

Morbidity and Mortality

Weekly
Report



U. S. Department of
HEALTH, EDUCATION, AND WELFARE

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 September 18, 1954

The incidence of poliomyelitis for 1954 is following the same pattern as it did in 1953, when the incidence remained on a high plane for about 5 weeks. The 2,678 cases reported this week exceed the next largest weekly number this year by 472 cases. There was a slight increase during the corresponding week of 1953, but the total reported that week was not in excess of the peak figure.

Nine States in the northeastern part of the United States reported significant increases in the incidence of poliomyelitis for the current week. Massachusetts, Connecticut, New York, Pennsylvania, and the 5 States in the East North Central Division reported a total of 1,211 cases as compared with 796 for the previous week.

The cumulative total for the year to date is 24,004 as compared with 24,591 for 1953. For the "disease year," which began about April 1, the cumulative total is 22,452 as compared with 23,010 for last year.

EPIDEMIOLOGICAL REPORTS

Encephalitis

The California Department of Public Health has reported an increase in the number of cases of St. Louis type of encephalitis. Through September 11, a total of 41 human cases has been confirmed by laboratory examinations. There have also been 14 cases of western equine type of infection. The majority of the St. Louis cases have not been in the areas where intensive surveillance programs are being carried out. In these areas, virus isolations from mosquitoes have been predominantly western equine.

The outbreak of suspect encephalitis in Texas is still under investigation and the etiology has not been determined.

Indigenous malaria

Dr. C. G. Salsbury, Arizona Commissioner of Health, has reported 4 cases of vivax malaria in a small town in the southern part of the State. Laboratory confirmation was made in 2 laboratories. The ages of the patients varied from 8 to 15, and the dates of onset were July 18 for 1 of the cases, and July 19 for the other 3. Three other children in the family did not become ill. The source of infection is thought to be either a man in military service who had been stationed in a nearby area and had used a recreation area visited by the 4 cases, or a civilian who is reported to have been in military service and had malaria overseas. The former had been in service in Korea, and the time and place of the latter was not stated. The family was on a 1-day trip to Nogales, Mexico, by automobile on July 4, and while no definite evidence of malaria in this town has been found, one suspect is under investigation. They had attended an outdoor movie on June 6 and July 8. About the third week of June they also were on a picnic at a ford of the San Pedro River. This picnic area is used by military personnel from a nearby establishment.

The only anopheline mosquitoes found were in a nearby area. These were *Anopheles pseudopunctipennis franciscanus*, and this species is not presently considered to be a natural vector of malaria. No adult mosquitoes were found on the premises or in the town where the 4 affected persons lived, but conditions were found favorable for mosquito breeding.

Psittacosis

The California Department of Public Health reports a case of psittacosis in a caretaker of experimental animals. He had been in contact with guinea pigs which were experimentally infected with psittacosis. An X-ray showed his chest to be clear. However, the complement fixation test was positive for psittacosis and showed a fourfold rise in titer, from 1:16 to 1:64.

Anthrax in animals

According to the monthly report from the Department of Agriculture for August, 29 outbreaks of anthrax in animals occurred in 9 States. Fifteen of these were in Louisiana and Mississippi where 204 cattle, 100 sheep, 18 horses, 2 hogs, and 1 deer were reported lost. In some areas in Mississippi, and especially in Louisiana, it was difficult to get an accurate count of the number of animals lost, because livestock belonging to different owners are pastured on open range and many places are inaccessible by roads. The figures reported are estimates based on information obtained during a survey by State and Federal officials. The other 7 States reported that 37 cattle were lost. In all the outbreaks, except 2, soil was given as the source of infection. For the 2 exceptions the source was unknown.

Gastro-enteritis

The Arctic Health Research Center, PHS, Alaska, has reported an outbreak of gastro-enteritis among persons on flight from Tokyo to Anchorage. The plane arrived in Anchorage at 5:00 p.m. with 59 passengers and a crew of 10. The passengers had been served a chow mein dinner approximately 9 hours prior to arrival. Two hours before arrival a sandwich snack, half ham and half cheese, was served. About 15 minutes before the plane landed, 2 passengers became ill, but the stewardess thought that they were air sick. However, other passengers developed symptoms shortly after arrival. The plane left with the balance of the passengers, but in a short while it was forced to turn back because of illness of the pilot and several passengers. Twenty-five passengers and the pilot were ill with chills, fever, nausea, and vomiting between 5:00 and 7:00 p.m.

The next morning all the food was delivered to the laboratory for examination. Coliform organisms (*E. coli*), proteus, and staphylococci (coagulase positive) were isolated from the ham. The time of onset and clinical symptoms indicate the outbreak was due to staphylococcus enterotoxin or massive bacterial contamination. This indicates mishandling of the ham and sandwiches at the time of preparation in Tokyo. The investigators have no representatives in Japan at present, and no follow-up was made concerning the preparation of food there.

The Arctic Health Research Center was reported in a similar outbreak in 1950, at which time the passengers and crew of 3 planes were involved. At that time the causative agent was determined to be a staphylococcus toxin isolated from the filling in sandwiches.

The U. S. Quarantine Station in Florida reports an outbreak of gastro-enteritis among the passengers and crew aboard a ship. The vehicle of infection was suspected to be eclairs served at an evening meal. None of the eclairs or other foods served at this meal were available for bacteriological examination. The filling for the eclairs had been made early in the afternoon

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and left at room temperature. The eclairs as well as the filling were left at room temperature until served. An inspection of the ship's galley and store room revealed fair sanitary conditions, but the baker who made the eclairs appeared very unclean.

Although water was not suspected to be the vehicle of infection, 2 of 3 samples taken were grossly contaminated. A sanitary engineer was sent to institute corrective measures in the ship's water system.

Dr. S. H. Osborn, Connecticut Department of Health, reports an outbreak of gastro-enteritis in an institution. Among approximately 500 persons eating salmon salad, 100 became ill from 4 to 6 hours later. The salad was prepared in the morning and left at room temperature until served for the evening meal. Laboratory tests on remaining portions of the salad were negative for staphylococcus. As far as is known none of the food handlers had infected hands.

Communicable diseases in other areas

Up to the present time, 6 cases of yellow fever have been

reported in Trinidad since the beginning of the outbreak. The case occurring in Port-of-Spain was reported August 25 but had onset of symptoms on August 7. This was a woman who had not been out of the city, which indicates that the disease was transmitted by *Aedes aegypti*. Another case has occurred in an oil field at Palo Seco in the southwestern part of the island. Five of the 6 cases occurred in different parts of Trinidad and location of the sixth is unknown. Another possible case was in a person who died, the cause of death being stated as typhoid fever. An attempt is being made to vaccinate the whole population on the island, and all persons leaving Trinidad are being vaccinated. All ships as well as aircraft are being disinfected and aedes control is being actively carried out in Port-of-Spain. A certain nearby area of Venezuela, opposite Trinidad, has reported cases of jungle yellow fever recently.

The Ministry of Health, Jamaica, states that 242 cases of poliomyelitis, with 6 deaths, have been reported up to September 11. The first case was reported on June 9. Of the total cases which were predominantly paralytic, 140 were in Kingston.

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	37th week			CUMULATIVE NUMBER						Approximate seasonal low point
	Ended Sept. 18, 1954	Ended Sept. 19, 1953	Median 1949-53	First 37 weeks			Since seasonal low week			
				1954	1953	Median 1949-53	1953-54	1952-53	Median 1948-49 to 1952-53	
Anthrax-----062	-	1	1	16	23	30	(¹)	(¹)	(¹)	(¹)
Botulism-----049.1	-	-	---	10	15	---	(¹)	(¹)	(¹)	(¹)
Brucellosis (undulant fever)-----044	52	32	---	21,231	1,301	---	(¹)	(¹)	(¹)	(¹)
Diphtheria-----055	36	47	94	³ 1,185	1,438	2,520	³ 313	386	550	July 1
Encephalitis, infectious-----082	84	33	33	1,317	804	744	(¹)	(¹)	(¹)	(¹)
Hepatitis, infectious, and serum-----092,N998.5 pt.	755	611	---	39,187	23,202	---	(¹)	(¹)	(¹)	(¹)
Malaria-----110-117	15	35	---	511	1,131	---	(¹)	(¹)	(¹)	(¹)
Measles-----085	999	763	579	631,010	412,976	470,657	3,182	2,298	1,933	Sept. 1
Meningococcal infections-----057	52	48	46	3,155	3,917	3,061	139	152	141	Sept. 1
Poliomyelitis-----080	2,678	2,155	2,155	⁴ 24,004	24,591	24,591	⁴ 22,452	23,010	23,010	Apr. 1
Psittacosis-----096.2	⁵ 4	4	---	400	41	---	(¹)	(¹)	(¹)	(¹)
Rabies in man-----094	-	2	-	5	8	8	(¹)	(¹)	(¹)	(¹)
Rocky Mountain spotted fever-----104A	5	6	7	252	263	289	(¹)	(¹)	(¹)	(¹)
Scarlet fever and streptococcal sore throat-----050,051	1,102	915	404	116,604	105,886	58,992	8,863	6,279	1,956	Aug. 1
Smallpox-----084	-	-	-	-	5	13	(¹)	(¹)	(¹)	(¹)
Trichinosis-----128	2	4	---	186	296	---	(¹)	(¹)	(¹)	(¹)
Tularemia-----059	16	14	16	436 ⁶	401	493	(¹)	(¹)	(¹)	(¹)
Typhoid fever-----040	73	68	68	⁶ 1,622	1,659	1,841	⁶ 1,213	1,354	1,375	Apr. 1
Typhus fever, endemic-----101	7	6	---	150	185	---	116	145	---	Apr. 1
Whooping cough-----056	1,285	856	1,014	41,272	25,576	43,704	51,029	33,433	53,737	Oct. 1
Rabies in animals-----	110	127	---	5,185	5,423	---	(¹)	(¹)	(¹)	(¹)

¹Information not available or frequencies are too small.

²Addition: Indiana, week ended September 4, 1 case.

³Deduction: Arkansas, week ended September 11, 2 cases.

⁴Deductions: Georgia, week ended September 4, 4 cases; Indiana, weeks ended August 28, and September 11, 1 case each.

⁵Reported in North Carolina and Texas, 1 case each; California, 2 cases.

⁶Deduction: Arkansas, August 21, 1 case. Addition, Arkansas week ended September 11, 1 case.

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 Territory and of one possession. They give the total number of cases of certain communicable diseases reported during the week usually ended the preceding Saturday. Cases of anthrax, botulism, psittacosis, rabies in man, and smallpox are not shown

in table 2, but a footnote to table 1 shows the States making the reports. In addition, when diseases of rare occurrence (cholera, dengue, plague, relapsing fever—louse borne, typhus fever—epidemic, and yellow fever) are reported, they will be noted at the end of table 1.

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

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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 SEPTEMBER 19, 1953, AND SEPTEMBER 18, 1954

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

AREA	BRUCELLOSIS (UNDULANT FEVER) (044)		DIPHTHERIA (055)		ENCEPHALITIS, INFECTIOUS (082)		HEPATITIS, INFECTIOUS, AND SERUM (092,N998.5 pt.)		MALARIA (110-117)			
									Civilian ¹		Military	
	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953
CONT. UNITED STATES-----	52	32	36	47	84	33	755	611	10	9	5	26
NEW ENGLAND-----	-	2	-	-	-	-	54	37	-	1	-	1
Maine-----	-	-	-	-	-	-	11	8	-	1	-	-
New Hampshire-----	-	-	-	-	-	-	-	1	-	-	-	-
Vermont-----	-	-	-	-	-	-	6	2	-	-	-	-
Massachusetts-----	-	-	-	-	-	-	25	19	-	-	-	1
Rhode Island-----	-	-	-	-	-	-	6	-	-	-	-	-
Connecticut-----	-	2	-	-	-	-	6	7	-	-	-	-
MIDDLE ATLANTIC-----	1	1	3	1	7	5	178	123	1	1	1	1
New York-----	1	-	1	-	7	5	114	95	-	-	-	1
New Jersey-----	-	-	-	-	-	-	13	7	1	1	1	-
Pennsylvania-----	-	1	2	1	-	-	51	21	-	-	-	-
EAST NORTH CENTRAL-----	21	5	1	1	-	4	57	44	-	-	-	-
Ohio-----	-	-	1	-	-	1	9	13	-	-	-	-
Indiana-----	-	-	-	1	-	-	8	9	-	-	-	-
Illinois-----	9	4	-	-	-	1	18	9	-	-	-	-
Michigan-----	9	-	-	-	-	1	18	8	-	-	-	-
Wisconsin-----	3	1	-	-	-	1	4	5	-	-	-	-
WEST NORTH CENTRAL-----	10	14	7	-	5	18	93	65	1	2	-	1
Minnesota-----	2	3	-	-	-	-	34	7	-	2	-	-
Iowa-----	6	7	-	-	-	-	43	³ 39	-	-	-	-
Missouri-----	1	-	6	-	-	-	5	6	1	-	-	1
North Dakota-----	-	-	-	-	1	12	3	2	-	-	-	-
South Dakota-----	-	2	-	-	1	1	-	1	-	-	-	-
Nebraska-----	-	-	1	-	2	4	2	2	-	-	2	7
Kansas-----	1	2	-	-	1	1	6	8	-	-	-	-
SOUTH ATLANTIC-----	4	3	14	17	2	4	159	112	1	2	2	12
Delaware-----	-	-	-	-	-	-	3	3	-	-	-	-
Maryland-----	1	-	-	-	-	-	2	13	-	-	-	-
District of Columbia-----	-	-	-	-	-	-	1	1	-	-	-	-
Virginia-----	1	1	-	1	-	2	24	63	-	1	-	-
West Virginia-----	-	1	-	-	-	-	³ 109	4	-	1	-	-
North Carolina-----	-	-	4	1	1	-	15	17	1	-	-	-
South Carolina-----	-	-	3	2	-	2	-	-	-	-	-	4
Georgia-----	2	-	6	8	-	-	-	8	-	-	2	7
Florida-----	-	1	1	5	1	-	5	3	-	-	-	1
EAST SOUTH CENTRAL-----	3	1	5	16	-	-	42	73	-	2	-	1
Kentucky-----	-	-	-	2	-	-	6	2	-	-	-	1
Tennessee-----	1	1	-	2	-	-	14	9	-	-	-	-
Alabama-----	1	-	5	8	-	-	7	12	-	-	-	-
Mississippi-----	1	-	-	4	-	-	15	50	-	2	-	-
WEST SOUTH CENTRAL-----	7	5	4	8	44	1	38	43	5	-	-	-
Arkansas-----	1	1	1	-	-	-	4	5	-	-	-	-
Louisiana-----	4	2	2	-	-	-	10	-	-	-	-	-
Oklahoma-----	-	-	1	3	-	-	2	2	-	-	-	-
Texas-----	2	2	-	5	44	1	22	36	5	-	-	-
MOUNTAIN-----	6	-	-	-	2	1	40	17	-	-	-	1
Montana-----	2	-	-	-	1	-	-	2	-	-	-	-
Idaho-----	-	-	-	-	-	-	8	3	-	-	-	-
Wyoming-----	-	-	-	-	-	-	4	-	-	-	-	-
Colorado-----	1	-	-	-	-	-	8	5	-	-	-	-
New Mexico-----	-	-	-	-	1	-	2	-	-	-	-	-
Arizona-----	-	-	-	-	-	1	18	2	-	-	-	-
Utah-----	3	-	-	-	-	-	-	5	-	-	-	1
Nevada-----	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC-----	-	1	2	4	24	-	94	97	2	1	2	9
Washington-----	-	-	-	-	-	-	22	31	-	-	2	2
Oregon-----	-	-	-	3	-	-	27	30	1	-	-	-
California-----	-	1	2	1	24	-	45	36	1	1	-	7
Alaska-----	-	-	-	-	-	-	2	-	-	-	-	-
Hawaii-----	-	-	-	-	-	-	-	-	-	-	-	1
Puerto Rico-----	-	-	4	13	-	-	3	1	1	-	-	-

¹Includes cases not specified as civilian or military.

³Includes delayed cases.

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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 SEPTEMBER 19, 1953, AND SEPTEMBER 18, 1954—Con.

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

AREA	MEASLES (085)		MENINGO- COCCAL INFECTIONS (057)		POLIOMYELITIS (080)						ROCKY MOUNTAIN SPOTTED FEVER (104A)	
	1954	1953	1954	1953	Total ²		Paralytic (080.0,080.1)		Nonparalytic (080.2)		1954	1953
					1954	1953	1954	1953	1954	1953		
CONT. UNITED STATES-----	999	763	52	48	2,678	2,155	817	666	772	590	5	6
NEW ENGLAND-----	81	26	6	2	158	133	32	56	69	48	-	-
Maine-----	4	11	-	-	8	26	6	15	2	7	-	-
New Hampshire-----	-	-	-	-	8	1	-	-	-	-	-	-
Vermont-----	2	2	-	-	5	8	4	4	1	2	-	-
Massachusetts-----	61	6	5	2	94	47	15	21	46	19	-	-
Rhode Island-----	1	-	-	-	11	28	-	13	-	9	-	-
Connecticut-----	13	7	1	-	32	23	7	3	20	11	-	-
MIDDLE ATLANTIC-----	175	71	13	5	323	405	78	89	61	56	-	1
New York-----	87	41	8	3	169	236	56	66	43	37	-	1
New Jersey-----	56	10	2	-	43	55	22	23	18	19	-	-
Pennsylvania-----	32	20	3	2	111	114	-	-	-	-	-	-
EAST NORTH CENTRAL-----	147	129	8	9	805	576	202	162	162	134	1	-
Ohio-----	20	11	-	1	214	195	51	42	33	35	-	-
Indiana-----	8	7	3	2	75	53	8	-	7	-	-	-
Illinois-----	29	32	2	1	255	139	52	60	37	37	1	-
Michigan-----	46	39	1	5	181	142	66	60	76	62	-	-
Wisconsin-----	44	40	2	-	80	47	25	-	9	-	-	-
WEST NORTH CENTRAL-----	24	31	1	4	378	338	125	75	119	83	-	-
Minnesota-----	4	2	1	1	61	179	22	49	17	45	-	-
Iowa-----	1	4	-	1	126	41	37	9	57	22	-	-
Missouri-----	1	6	-	1	53	51	20	8	13	6	-	-
North Dakota-----	16	11	-	-	4	14	-	3	2	5	-	-
South Dakota-----	-	1	-	1	12	10	2	-	5	-	-	-
Nebraska-----	-	1	-	-	71	8	35	4	20	3	-	-
Kansas-----	2	6	-	-	51	35	9	2	5	2	-	-
SOUTH ATLANTIC-----	61	59	4	11	250	208	85	86	93	90	2	3
Delaware-----	1	1	-	-	5	3	4	2	1	1	-	-
Maryland-----	1	13	-	-	21	43	12	23	9	20	-	1
District of Columbia-----	1	1	-	-	8	3	6	1	1	2	-	-
Virginia-----	14	18	-	4	39	36	20	15	17	20	-	1
West Virginia-----	26	3	-	1	21	29	8	14	6	12	-	-
North Carolina-----	5	4	2	4	48	30	16	13	19	12	1	1
South Carolina-----	7	1	-	-	11	6	1	1	1	1	-	-
Georgia-----	3	13	1	1	41	18	10	5	11	8	1	-
Florida-----	3	5	1	1	56	40	8	12	28	14	-	-
EAST SOUTH CENTRAL-----	68	18	3	-	142	40	39	17	43	12	2	2
Kentucky-----	53	2	1	-	63	8	22	4	25	4	-	-
Tennessee-----	10	10	-	-	36	15	6	7	4	2	2	2
Alabama-----	3	4	2	-	23	11	11	6	10	5	-	-
Mississippi-----	2	2	-	-	20	6	-	-	4	1	-	-
WEST SOUTH CENTRAL-----	124	226	8	9	176	119	60	44	67	45	-	-
Arkansas-----	8	3	-	1	11	16	6	9	4	5	-	-
Louisiana-----	1	11	2	-	17	10	10	7	7	3	-	-
Oklahoma-----	1	4	-	1	29	21	2	6	5	1	-	-
Texas-----	114	208	6	7	119	72	42	22	51	36	-	-
MOUNTAIN-----	60	42	2	3	148	74	37	20	31	18	-	-
Montana-----	17	4	-	1	15	25	5	12	4	11	-	-
Idaho-----	7	11	1	1	9	4	-	-	-	-	-	-
Wyoming-----	-	1	-	-	12	3	3	-	2	-	-	-
Colorado-----	5	12	-	-	34	9	15	4	14	5	-	-
New Mexico-----	3	2	-	1	24	8	10	-	4	-	-	-
Arizona-----	21	1	1	-	11	11	4	4	7	2	-	-
Utah-----	7	9	-	-	38	11	-	-	-	-	-	-
Nevada-----	-	2	-	-	5	3	-	-	-	-	-	-
PACIFIC-----	259	161	7	5	298	262	159	117	127	104	-	-
Washington-----	113	29	-	-	27	38	9	-	12	-	-	-
Oregon-----	20	11	-	1	15	19	8	10	6	8	-	-
California-----	126	121	7	4	256	205	142	107	109	96	-	-
Alaska-----	1	52	-	-	22	-	12	-	8	-	-	-
Hawaii-----	9	1	-	-	1	-	1	-	-	-	-	-
Puerto Rico-----	172	11	2	-	-	-	-	-	-	-	-	-

²Includes cases not specified by type, category number (080.3).

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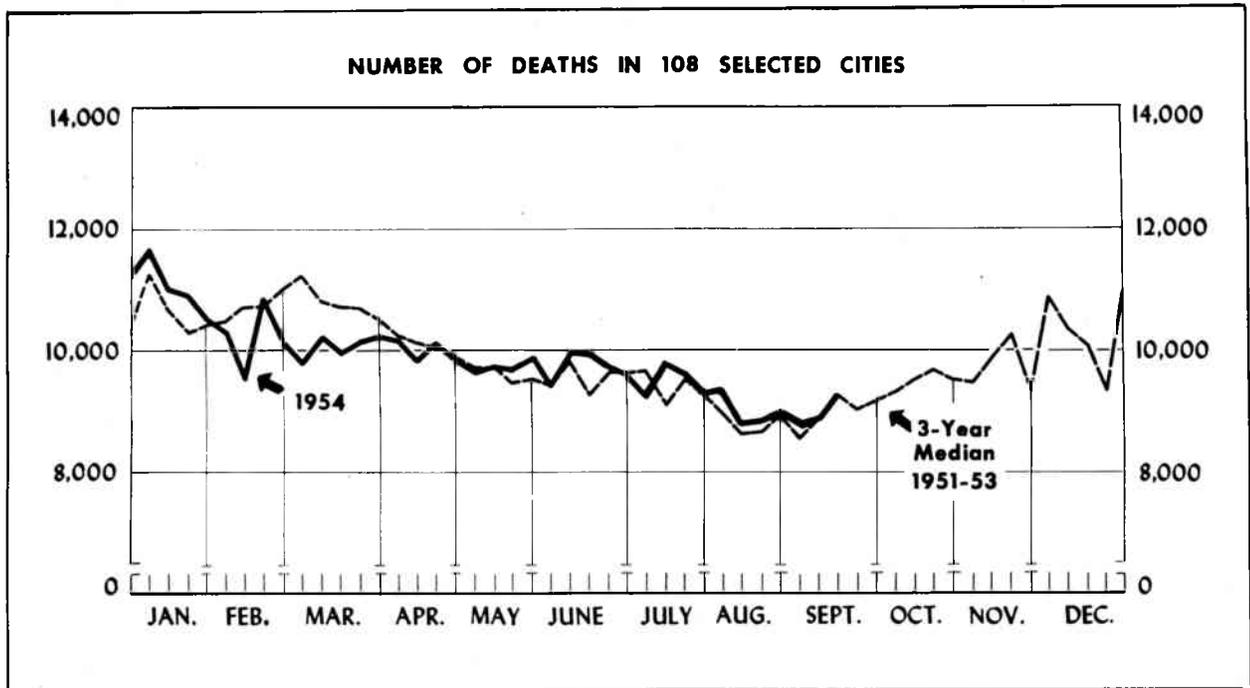
Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED SEPTEMBER 19, 1953, AND SEPTEMBER 18, 1954—Con.

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

AREA	SCARLET FEVER AND STREPTOCOCCAL SORE THROAT (050,051)		TRICHI-NIASIS (128)	TULAREMIA (059)		TYPHOID FEVER (040)		TYPHUS FEVER, ENDEMIC (101)	WHOOPIING COUGH (056)		RABIES IN ANIMALS	
	1954	1953	1954	1954	1953	1954	1953	1954	1954	1953	1954	1953
	CONT. UNITED STATES-----	1,102	915	2	16	14	73	68	7	1,285	856	110
NEW ENGLAND-----	28	24	-	-	-	-	2	-	87	85	-	-
Maine-----	2	5	-	-	-	-	-	-	10	6	-	-
New Hampshire-----	1	-	-	-	-	-	-	-	-	2	-	-
Vermont-----	-	1	-	-	-	-	-	-	-	7	-	-
Massachusetts-----	13	15	-	-	-	-	1	-	41	41	-	-
Rhode Island-----	-	-	-	-	-	-	-	-	3	6	-	-
Connecticut-----	12	3	-	-	-	-	1	-	33	23	-	-
MIDDLE ATLANTIC-----	35	22	-	-	-	7	6	-	229	268	17	11
New York-----	22	8	-	-	-	5	3	-	110	166	17	10
New Jersey-----	3	9	-	-	-	-	-	-	48	59	-	-
Pennsylvania-----	10	5	-	-	-	2	3	-	71	43	-	1
EAST NORTH CENTRAL-----	105	45	-	2	-	6	2	-	388	232	12	21
Ohio-----	13	-	-	-	-	5	-	-	32	53	2	1
Indiana-----	30	5	-	-	-	-	-	-	33	26	6	13
Illinois-----	24	18	-	2	-	-	1	-	64	26	3	7
Michigan-----	33	11	-	-	-	1	1	-	210	104	1	-
Wisconsin-----	5	11	-	-	-	-	-	-	49	23	-	-
WEST NORTH CENTRAL-----	30	25	-	1	-	2	4	1	65	19	16	9
Minnesota-----	14	16	-	1	-	-	-	-	12	6	4	3
Iowa-----	3	2	-	-	-	-	2	-	15	5	-	2
Missouri-----	1	-	-	-	-	2	2	-	11	1	9	2
North Dakota-----	6	2	-	-	-	-	-	-	7	-	-	-
South Dakota-----	-	2	-	-	-	-	-	-	10	-	-	-
Nebraska-----	6	1	-	-	-	-	-	1	10	-	-	-
Kansas-----	-	2	-	-	-	-	-	-	-	1	3	2
SOUTH ATLANTIC-----	106	95	-	3	1	13	10	4	154	38	19	29
Delaware-----	-	2	-	-	-	-	-	-	-	-	-	-
Maryland-----	5	3	-	1	-	-	-	-	16	10	-	-
District of Columbia-----	-	2	-	-	-	-	1	-	6	2	-	-
Virginia-----	47	40	-	1	-	2	3	1	25	3	1	3
West Virginia-----	26	15	-	-	-	1	1	-	39	4	11	15
North Carolina-----	13	16	-	-	-	6	-	-	28	7	3	2
South Carolina-----	6	5	-	1	-	1	3	1	26	5	3	6
Georgia-----	5	3	-	-	1	3	1	2	6	1	1	3
Florida-----	4	9	-	-	-	-	1	-	8	6	-	-
EAST SOUTH CENTRAL-----	34	33	1	2	1	23	17	1	70	41	11	27
Kentucky-----	14	5	-	2	-	15	4	-	46	24	-	7
Tennessee-----	12	15	1	-	1	3	9	-	14	14	2	7
Alabama-----	6	7	-	-	-	2	1	1	5	2	7	6
Mississippi-----	2	6	-	-	-	3	3	-	5	1	2	7
WEST SOUTH CENTRAL-----	560	584	-	4	2	14	15	1	60	85	32	25
Arkansas-----	24	43	-	3	1	2	5	-	3	9	7	2
Louisiana-----	7	-	-	1	-	2	3	-	-	6	9 ^a	-
Oklahoma-----	12	7	-	-	1	1	1	-	5	6	-	1
Texas-----	517	534	-	-	-	9	6	1	52	64	18	22
MOUNTAIN-----	138	28	1	3	7	3	9	-	50	34	1	1
Montana-----	-	-	-	-	-	1	-	-	5	6	-	-
Idaho-----	8	7	-	-	1	-	1	-	1	11	-	-
Wyoming-----	2	-	-	-	2	-	1	-	-	-	-	-
Colorado-----	6	4	1	-	-	-	2	-	12	1	-	-
New Mexico-----	8	3	-	-	-	-	5	-	3	9	-	1
Arizona-----	93	2	-	-	-	2	-	-	21	-	1	-
Utah-----	21	12	-	3	4	-	-	-	8	7	-	-
Nevada-----	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC-----	66	59	-	1	3	5	3	-	182	54	2	4
Washington-----	9	12	-	-	-	1	-	-	11	17	-	-
Oregon-----	8	6	-	1	3	-	1	-	10	8	-	1
California-----	49	41	-	-	-	4	2	-	161	29	2	3
Alaska-----	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii-----	-	-	-	-	-	-	-	-	11	1	-	-
Puerto Rico-----	-	-	-	-	-	-	-	-	14	23	-	1

^aIncludes delayed cases.

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The chart shows the number of deaths reported for 108 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 where 50 deaths are the weekly average, 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 DIVISION

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

AREA	37th week ended Sept. 18, 1954	36th week ended Sept. 11, 1954	37th week median 1951-53	Percent change, median to current week	CUMULATIVE NUMBER FOR FIRST 37 WEEKS		
					1954	1953	Percent change
TOTAL: 102 REPORTING CITIES-----	8,906	8,453	8,955	-0.5	350,599	363,354	-3.5
New England----- (13 cities)	591	577	579	+2.1	23,091	23,640	-2.3
Middle Atlantic----- (16 cities)	2,578	2,490	2,754	-6.4	105,004	110,396	-4.9
East North Central----- (17 cities)	1,926	1,971	2,029	-5.1	78,544	81,938	-4.1
West North Central----- (8 cities)	602	660	645	-6.7	26,236	27,454	-4.4
South Atlantic----- (9 cities)	739	674	672	+10.0	27,749	28,876	-3.9
East South Central----- (8 cities)	451	412	436	+3.4	17,070	17,613	-3.1
West South Central----- (12 cities)	598	608	567	+5.5	23,213	22,882	+1.4
Mountain----- (8 cities)	210	206	209	+0.5	8,361	9,060	-7.7
Pacific----- (11 cities)	1,211	855	1,093	+10.8	41,331	41,495	-0.4

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Table 4. DEATHS IN SELECTED CITIES FOR WEEK ENDED SEPTEMBER 18, 1954

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

CITY	37th week ended Sept. 18, 1954	36th week ended Sept. 11, 1954	CUMULATIVE NUMBER FOR FIRST 37 WEEKS		CITY	37th week ended Sept. 18, 1954	36th week ended Sept. 11, 1954	CUMULATIVE NUMBER FOR FIRST 37 WEEKS	
			1954	1953				1954	1953
NEW ENGLAND					WEST NORTH CENTRAL—Con.				
Boston-----	213	192	8,023	8,219	St. Louis-----	183	208	8,588	9,114
Bridgeport-----	32	34	1,305	1,240	St. Paul-----	70	63	2,348	2,344
Cambridge-----	24	20	1,001	1,028	Wichita-----	38	28	1,607	1,466
Fall River-----	23	19	1,005	1,033	SOUTH ATLANTIC				
Hartford-----	54	54	1,672	1,691	Atlanta-----	116	87	3,858	3,855
Lowell-----	25	30	995	939	Baltimore-----	179	204	7,843	8,421
Lynn-----	22	16	787	807	Charlotte-----	32	21	1,088	1,051
New Bedford-----	21	18	817	858	Jacksonville-----	(56)	(33)	(1,819)	---
New Haven-----	37	40	1,564	1,594	Miami-----	54	42	2,374	2,223
Providence-----	61	66	2,205	2,216	Norfolk-----	24	14	1,051	1,192
Somerville-----	10	13	507	568	Richmond-----	68	61	2,314	2,387
Springfield, Mass.-----	29	32	1,410	1,431	Savannah-----	---	(19)	---	---
Waterbury-----	---	(29)	---	(952)	Tampa-----	41	50	1,941	1,963
Worcester-----	40	43	1,800	2,016	Washington, D. C.-----	196	160	6,083	6,553
MIDDLE ATLANTIC					Wilmington, Del.-----	29	35	1,197	1,231
Albany-----	41	33	1,658	1,665	EAST SOUTH CENTRAL				
Allentown-----	(24)	(31)	(1,216)	---	Birmingham-----	81	66	2,731	2,711
Buffalo-----	122	31	4,910	5,279	Chattanooga-----	47	33	1,611	1,714
Camden-----	36	32	1,353	1,363	Knockville-----	26	38	1,242	1,218
Elizabeth-----	---	(39)	---	(993)	Louisville-----	111	92	3,977	3,903
Erie-----	31	35	1,240	1,262	Memphis-----	84	82	3,533	3,971
Jersey City-----	47	78	2,469	2,546	Mobile-----	31	30	1,177	1,163
Newark, N. J.-----	82	82	3,552	3,911	Montgomery-----	24	24	954	1,015
New York City-----	1,377	1,393	55,704	58,566	Nashville-----	47	47	1,845	1,918
Paterson-----	27	31	1,372	1,425	WEST SOUTH CENTRAL				
Philadelphia-----	395	400	16,935	17,833	Austin-----	23	17	939	951
Pittsburgh-----	150	105	5,852	6,311	Baton Rouge-----	18	20	777	584
Reading-----	(19)	(16)	(743)	---	Corpus Christi-----	22	17	635	636
Rochester, N. Y.-----	88	95	3,331	3,494	Dallas-----	113	118	3,674	3,499
Schenectady-----	30	28	908	862	El Paso-----	26	20	977	1,011
Scranton-----	(21)	(33)	(1,225)	---	Fort Worth-----	56	63	2,059	2,141
Syracuse-----	52	45	1,984	2,011	Houston-----	103	141	4,441	4,607
Trenton-----	41	42	1,631	1,715	Little Rock-----	36	12	1,506	1,579
Utica-----	36	32	1,116	1,157	New Orleans-----	---	(127)	---	(5,877)
Yonkers-----	23	28	989	996	Oklahoma City-----	43	58	2,191	2,001
EAST NORTH CENTRAL					San Antonio-----	79	74	2,862	3,006
Akron-----	54	41	1,998	2,143	Shreveport-----	46	28	1,426	1,461
Canton-----	20	29	1,039	1,051	Tulsa-----	33	40	1,726	1,406
Chicago-----	646	704	26,343	27,515	MOUNTAIN				
Cincinnati-----	119	127	5,133	5,385	Albuquerque-----	18	22	952	978
Cleveland-----	163	174	7,260	7,603	Colorado Springs-----	14	11	434	500
Columbus-----	80	100	3,700	3,863	Denver-----	92	87	3,696	4,019
Dayton-----	50	56	2,291	2,279	Ogden-----	7	12	402	458
Detroit-----	267	278	11,284	11,702	Phoenix-----	21	16	775	847
Evansville-----	25	30	1,107	1,208	Pueblo-----	14	17	489	505
Flint-----	38	41	1,390	1,346	Salt Lake City-----	38	39	1,460	1,568
Fort Wayne-----	24	22	955	1,135	Tucson-----	6	2	153	185
Gary-----	(22)	(35)	(927)	---	PACIFIC				
Grand Rapids-----	40	39	1,421	1,442	Berkeley-----	11	19	649	614
Indianapolis-----	135	63	4,055	4,134	Long Beach-----	40	57	1,778	1,721
Milwaukee-----	109	103	4,468	4,552	Los Angeles-----	492	298	15,999	16,280
Peoria-----	33	35	1,115	1,158	Oakland-----	85	89	3,376	3,457
South Bend-----	---	(17)	---	(870)	Pasadena-----	28	32	1,213	1,228
Toledo-----	71	90	3,232	3,440	Portland, Oreg.-----	---	(86)	---	(3,665)
Youngstown-----	52	39	1,753	1,982	Sacramento-----	34	35	1,661	1,736
WEST NORTH CENTRAL					San Diego-----	80	47	2,640	2,587
Des Moines-----	55	49	1,854	1,834	San Francisco-----	224	116	6,688	6,923
Duluth-----	25	17	992	992	Seattle-----	128	99	4,449	4,240
Kansas City, Kans.-----	---	(31)	---	(1,256)	Spokane-----	62	41	1,635	1,500
Kansas City, Mo.-----	74	120	4,430	4,580	Tacoma-----	27	22	1,243	1,209
Minneapolis-----	108	114	4,167	4,703	Honolulu-----	(37)	(27)	(1,248)	(1,168)
Omaha-----	49	61	2,250	2,421					

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

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