

Morbidity and Mortality

Weekly
Report



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Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended January 26, 1957

EPIDEMIOLOGICAL REPORTS

Influenza

The following information has been received by the Influenza Information Center.

The Preventive Medicine Division, Office of the Surgeon General, Department of the Army, reports that of 27 paired sera submitted to the 408th Medical General Laboratory (Japan) for serologic diagnosis of influenza, 10 showed a rise in antibody. Twenty-two paired sera were submitted from 13 military personnel and 9 from civilians in Japan. Three specimens from the military showing a rise in antibody were from persons previously vaccinated; and the 2 civilians whose sera showed serologic reactions had not been vaccinated. All 5 paired sera submitted from military personnel in Korea showed a rise in antibody. All but 1 had been immunized. Influenza was reported not to have reached epidemic proportions in military personnel in Japan, although there was some increase in upper respiratory infections.

The epidemic of influenza previously reported in personnel stationed at an Air Force base in Colorado has involved a total of about 500 persons. The peak in incidence was reached on January 18 when 121 cases were reported. The infection has been mild and has been confined to recruits whose vaccination status is not known.

California Influenza Surveillance Report states that as of January 16 no laboratory confirmed cases of influenza have occurred in that State during the current year.

Diphtheria

Dr. John Mason, New Mexico Department of Public Health, has supplied additional information on the outbreak of diphtheria reported in Albuquerque during the latter part of 1956. The preliminary report was given for the week ended December 1, 1956. Eighteen cases were reported between the middle of November 1956 and January 7, 1957. Eight cases were mild; 7 were moderate; and 3 (1 death) were severe. Virulent *Corynebacterium diphtheriae* organisms were isolated from all cases or from family contacts of these cases. All cultures were of the gravis type except one which was a mitis type. During the investigation 3 carriers were discovered in 3 different families. Fourteen of the cases, including the fatal case, had no previous immunization against diphtheria, and none had a complete series of immunizations. Seventeen of the cases resided in a neighborhood in the southwestern part of the city.

Psittacosis

Dr. W. H. Y. Smith, Alabama State Department of Public Health, has reported a case of psittacosis in a 55-year-old woman. This person had purchased a parakeet which died in a few days. Fifteen days later she was admitted to a hospital with upper respiratory symptoms, including a nonproductive cough. A chest X-ray revealed infiltration in the left upper lobe. Complement fixation tests revealed a fourfold rise in antibody titer, using a psittacosis antigen. The patient was treated with broad spectrum antibiotics and has now made a satisfactory recovery.

Leptospirosis

The California State Department of Public Health has reported a case of leptospirosis in a veterinarian. During his work he sees a number of cases of bovine leptospirosis and about 3½ weeks before his illness had had contact with a dog having the disease. His illness was first diagnosed as a virus infection and later changed to leptospirosis. *Leptospira pomona* was isolated from a guinea pig injected with a urine specimen from the patient. Agglutination tests were also positive for *L. pomona* in titers of 1:160 and 1:320.

Typhoid fever

The Los Angeles City (California) Health Department has reported 2 cases of typhoid fever in persons who had eaten at the same drugstore counter. *Salmonella typhosa*, phage type B₁, was isolated from a blood specimen of 1 patient but only a positive agglutination reaction was found in a specimen from the other patient. Stool and urine specimens were collected from 29 employees of the drugstore and 1, "a pantry girl," was found to be a carrier of the same organism as that isolated from one of the patients.

Salmonellosis

The California State Department of Public Health has reported 2 outbreaks of salmonellosis, each associated with turkey meat. One outbreak involved 4 persons in a private residence who became ill from 10 to 12 hours after eating sliced turkey. Cold, sliced turkey was purchased from a delicatessen. It is customary for this delicatessen to roast 2 turkeys daily and store them in a refrigerated cabinet until sold. Bacteriologic examination of a specimen of cold, sliced turkey revealed *Salmonella typhimurium*. The same organism was found in stool specimens from 2 of the patients and from 2 of the 9 food handlers. No other complaints regarding illness following consumption of turkey purchases at this delicatessen have been reported.

The other outbreak was among 2 groups of persons totaling 376 who ate turkey from a single source. The turkeys, cellophane-wrapped, boneless-type, no stuffing, were baked in an oven at a temperature of 325 degrees for about 5 hours. After baking, the turkeys were left overnight (17 hours) at room temperature to cool. The turkeys were transported to a meat market for slicing, then to the dining area where the meat remained unrefrigerated for 2½ hours before being served. The sample of turkey meat collected was not suitable for bacteriologic examination. However, of 34 specimens from the patients, 12 were positive for *Salmonella anatum*. The same organism was also found in a specimen from one of the food handlers.

Gastro-enteritis

Dr. Ringelman, Albany County (New York) Health Department, has reported an outbreak of gastro-enteritis among 18 members of a home economics class. Of these, 5 became ill from 1½ to 2 hours after eating smoked ham. Coagulase-positive, hemolytic *Staphylococcus aureus* was isolated from a

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specimen of the ham.

Dr. Roy F. Feemster, Massachusetts Department of Public Health, has reported an outbreak of gastro-enteritis following a smorgasbord supper served to about 200 people at a club. The menu consisted of fish balls, cheese, roast beef, bologna, potato salad, and chicken croquettes. Approximately 75 persons became ill with abdominal pain and diarrhea from 8 to 12 hours later. Bacteriologic examination of food items revealed that the chicken croquettes were contaminated with coagulase-positive *S. aureus*. Stool specimens from 3 food handlers were negative for the common enteric pathogens. Throat cultures on the same day from these individuals failed to yield the staphylococcus.

Dr. E. R. Smith, City Health Officer, Jacksonville, Florida, has reported an outbreak of gastro-enteritis among approximately 120 persons eating a luncheon on board a ship. Of these, 60 are known to have become ill with severe nausea and vomiting. An investigation revealed gross contamination of chicken salad, smoked salmon, potato salad, lobster salad, and roast turkey served at the meal. Food cultures revealed coagulase-positive staphylococci in large numbers. A staphylococcus having the same phage type as those cultured from the food

was recovered from the nose and throat of the chief food handler, and also from the stool from 1 patient.

Dr. Warren Weathington, Wakulla County (Florida) Health Department, has reported an outbreak of gastro-enteritis among school children. Twelve of 274 children eating a school lunch developed severe nausea and vomiting, without diarrhea, from 2 to 10 hours later. Turkey and dressing, which were improperly prepared and refrigerated, were suspected of being the vehicle of infection.

Dr. John Mason has also reported from New Mexico an outbreak of gastro-enteritis involving 323 of 519 children and teachers in a school. The illness began from 2 to 10 hours after a lunch of turkey and dressing served at 3 different schools. The lunch was prepared in a central kitchen of 1 school and transported to the other 2 in a mobile food unit. The turkeys had been supplied by the surplus commodities program. Bacteriologic examination of turkey meat revealed a heavy growth of a paracolon organism, possibly of the Arizona group. The same organism was also found in stool specimens from 3 of the patients. Further bacteriologic studies are being carried out, testing for possible staphylococcal enterotoxin.

Continued on page 8

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	4th WEEK			CUMULATIVE NUMBER						Approximate seasonal low point
	Ended Jan. 26, 1957	Ended Jan. 28, 1956	Median 1952-56	First 4 weeks			Since seasonal low week			
				1957	1956	Median 1952-56	1956-57	1955-56	Median 1951-52 to 1955-56	
Anthrax-----062	-	1	1	1	5	2	(1)	(1)	(1)	(1)
Botulism-----049.1	-	-	-	-	-	2	(1)	(1)	(1)	(1)
Brucellosis (undulant fever)----044	10	19	22	47	61	85	(1)	(1)	(1)	(1)
Diphtheria-----055	25	47	44	94	180	194	849	1,510	1,510	July 1
Encephalitis, infectious-----082	20	27	19	75	83	79	1,639	1,005	1,005	June 1
Hepatitis, infectious, and serum-----092, N998.5 pt.	441	543	656	1,528	1,921	2,425	6,727	9,424	---	Sept. 1
Malaria-----110-117	1	-	8	5	11	24	(1)	(1)	(1)	(1)
Measles-----085	11,137	8,145	8,837	37,428	26,938	28,202	74,632	56,036	59,543	Sept. 1
Meningococcal infections-----057	48	67	106	197	297	438	928	1,220	1,612	Sept. 1
Meningitis, other-----340	40	35	---	122	102	---	---	---	---	---
Poliomyelitis-----080	56	82	130	188	433	553	14,521	28,640	34,951	Apr. 1
Paralytic-----080.0, 080.1	34	47	---	109	242	---	6,234	10,419	---	Apr. 1
Nonparalytic-----080.2	15	18	---	43	114	---	5,636	10,922	---	Apr. 1
Unspecified-----080.3	7	17	---	36	77	---	2,651	7,299	---	Apr. 1
Psittacosis-----096.2	4	5	---	12	14	---	(1)	(1)	(1)	(1)
Rabies in man-----094	-	-	-	-	3	-	(1)	(1)	(1)	(1)
Typhoid fever-----040	27	30	30	81	100	100	1,528	1,519	1,969	Apr. 1
Typhus fever, endemic-----101	3	1	3	13	2	10	(1)	(1)	(1)	(1)
Rabies in animals-----	127	115	153	384	407	567	1,348	1,434	2,082	Oct. 1

¹Data show no pronounced seasonal change in incidence.

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.

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 JANUARY 28, 1956 AND JANUARY 26, 1957

(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		HEPATITIS, INFECTIOUS, AND SERUM 092,N998.5 pt.			
			4th week		Cumulative first 4 weeks		082		4th week		Cumulative first 4 weeks	
	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956
CONT. UNITED STATES-----	10	19	25	47	94	180	20	27	441	543	1,528	1,921
NEW ENGLAND-----	-	1	-	-	1	-	-	1	31	26	106	132
Maine-----	-	-	-	-	1	-	-	-	16	4	51	44
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	3	-
Vermont-----	-	1	-	-	-	-	-	2	3	-	23	14
Massachusetts-----	-	-	-	-	-	-	-	1	8	8	32	27
Rhode Island-----	-	-	-	-	-	-	-	-	3	1	9	14
Connecticut-----	-	-	-	-	-	-	-	-	2	10	8	33
MIDDLE ATLANTIC-----	1	-	1	2	2	3	2	3	44	114	183	380
New York-----	-	-	1	1	2	2	2	3	16	68	96	206
New Jersey-----	-	-	-	-	-	-	-	-	11	8	36	30
Pennsylvania-----	1	-	-	1	-	1	-	-	17	38	51	144
EAST NORTH CENTRAL-----	3	4	1	3	10	27	5	3	71	86	269	257
Ohio-----	-	3	-	-	2	3	-	-	15	17	91	54
Indiana-----	-	-	-	-	-	3	-	1	2	7	13	32
Illinois-----	3	1	-	-	-	-	1	1	14	32	50	86
Michigan-----	-	-	1	3	8	21	3	1	28	24	90	57
Wisconsin-----	-	-	-	-	-	-	1	-	12	6	25	28
WEST NORTH CENTRAL-----	3	10	3	3	6	18	3	4	42	45	127	174
Minnesota-----	-	2	1	1	2	7	-	-	15	8	45	61
Iowa-----	2	4	-	2	1	5	2	-	12	12	31	48
Missouri-----	-	1	-	-	-	-	-	3	7	7	12	9
North Dakota-----	-	3	-	-	-	-	-	-	8	-	36	7
South Dakota-----	1	-	1	-	1	-	-	-	-	4	2	25
Nebraska-----	-	-	1	-	1	6	1	1	-	-	1	10
Kansas-----	-	-	-	1	-	-	-	-	-	12	-	14
SOUTH ATLANTIC-----	2	1	6	15	24	40	3	2	25	47	100	126
Delaware-----	-	-	-	-	-	-	-	-	-	-	-	-
Maryland-----	-	-	-	-	1	-	-	-	1	5	5	10
District of Columbia-----	-	-	-	-	-	-	1	-	3	-	6	3
Virginia-----	-	-	-	-	-	1	-	2	6	23	31	63
West Virginia-----	-	-	-	-	1	1	-	-	2	3	8	5
North Carolina-----	-	-	-	4	1	9	1	-	2	14	13	20
South Carolina-----	1	-	4	3	6	4	1	-	-	-	3	7
Georgia-----	-	1	2	3	8	11	-	-	7	1	21	13
Florida-----	1	-	-	5	7	14	-	-	4	1	13	5
EAST SOUTH CENTRAL-----	-	1	8	10	21	30	1	2	74	43	244	130
Kentucky-----	-	1	4	1	7	4	-	-	25	8	62	34
Tennessee-----	-	-	-	1	1	3	1	-	37	26	140	68
Alabama-----	-	-	2	4	6	18	-	2	5	3	22	10
Mississippi-----	-	-	2	4	7	5	-	-	7	6	20	18
WEST SOUTH CENTRAL-----	1	1	2	13	21	51	1	4	18	34	74	108
Arkansas-----	-	-	-	1	1	5	-	-	1	1	13	4
Louisiana-----	1	1	-	1	2	8	-	-	1	2	8	4
Oklahoma-----	-	-	1	3	2	7	-	-	2	4	8	8
Texas-----	-	-	1	8	16	31	1	4	14	27	45	92
MOUNTAIN-----	-	1	2	-	6	-	-	-	64	62	140	239
Montana-----	-	-	-	-	2	-	-	-	5	9	11	62
Idaho-----	-	1	-	-	-	-	-	-	2	3	8	16
Wyoming-----	-	-	-	-	1	-	-	-	-	5	3	19
Colorado-----	-	-	-	-	-	-	-	-	4	8	26	39
New Mexico-----	-	-	2	-	3	-	-	-	32	11	45	15
Arizona-----	-	-	-	-	-	-	-	-	11	21	26	81
Utah-----	-	-	-	-	-	-	-	-	6	5	9	7
Nevada-----	-	-	-	-	-	-	-	-	4	-	12	-
PACIFIC-----	-	-	2	1	3	11	5	8	72	86	285	375
Washington-----	-	-	-	-	-	-	-	-	5	20	38	89
Oregon-----	-	-	-	-	-	-	-	1	16	16	61	85
California-----	-	-	2	1	3	11	5	7	51	50	186	201
Alaska-----	-	-	-	-	-	-	-	-	3	6	4	8
Hawaii-----	-	-	-	-	-	-	-	-	1	-	2	3
Puerto Rico-----	-	-	1	1	1	6	-	-	1	6	6	19

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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 JANUARY 28, 1956 AND JANUARY 26, 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 ¹				Paralytic		Nonparalytic		110-117		085	
	4th week		Cumulative first 4 weeks		080.0,080.1		080.2		110-117		085	
	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956
CONT. UNITED STATES-----	56	82	188	433	34	47	15	18	1	-	11,137	8,145
NEW ENGLAND-----	-	6	1	21	-	6	-	-	-	-	432	180
Maine-----	-	2	-	5	-	2	-	-	-	-	29	8
New Hampshire-----	-	-	-	2	-	-	-	-	-	-	1	2
Vermont-----	-	2	-	3	-	2	-	-	-	-	95	9
Massachusetts-----	-	2	-	9	-	2	-	-	-	-	98	120
Rhode Island-----	-	-	-	2	-	-	-	-	-	-	31	2
Connecticut-----	-	-	1	-	-	-	-	-	-	-	178	39
MIDDLE ATLANTIC-----	2	4	6	34	1	1	-	-	-	-	2,007	946
New York-----	1	3	5	26	1	1	-	-	-	-	973	318
New Jersey-----	1	-	1	1	-	-	-	-	-	-	540	173
Pennsylvania-----	-	1	-	7	-	-	-	-	-	-	494	455
EAST NORTH CENTRAL-----	15	5	27	31	11	2	3	1	-	-	1,604	1,761
Ohio-----	2	1	7	7	2	-	-	-	-	-	159	215
Indiana-----	11	-	14	1	9	-	2	-	-	-	199	71
Illinois-----	1	1	1	1	-	-	-	1	-	-	366	709
Michigan-----	1	2	3	12	-	2	1	-	-	-	524	466
Wisconsin-----	-	1	2	10	-	-	-	-	-	-	356	300
WEST NORTH CENTRAL-----	2	6	16	19	1	1	1	2	-	-	674	314
Minnesota-----	-	1	1	2	-	-	-	1	-	-	136	9
Iowa-----	-	-	1	7	-	-	-	-	-	-	208	155
Missouri-----	1	3	4	4	1	1	-	-	-	-	133	50
North Dakota-----	-	1	-	1	-	-	-	1	-	-	111	38
South Dakota-----	-	-	-	3	-	-	-	-	-	-	82	8
Nebraska-----	1	-	4	-	-	-	-	1	-	-	4	11
Kansas-----	-	1	6	2	-	-	-	-	-	-	-	43
SOUTH ATLANTIC-----	7	8	25	32	4	4	3	3	-	-	612	1,280
Delaware-----	-	-	-	1	-	-	-	-	-	-	14	1
Maryland-----	-	-	-	4	-	-	-	-	-	-	16	439
District of Columbia-----	-	-	-	-	-	-	-	-	-	-	9	40
Virginia-----	-	-	1	-	-	-	-	-	-	-	105	377
West Virginia-----	-	-	-	-	-	-	-	-	-	-	-	184
North Carolina-----	2	5	2	12	1	2	1	3	-	-	32	104
South Carolina-----	3	1	10	3	2	1	1	-	-	-	154	73
Georgia-----	-	-	-	5	-	-	-	-	-	-	122	51
Florida-----	2	2	12	7	1	1	1	-	-	-	160	11
EAST SOUTH CENTRAL-----	2	1	15	15	1	-	-	1	-	-	1,412	490
Kentucky-----	-	-	2	5	-	-	-	-	-	-	580	204
Tennessee-----	1	-	4	-	1	-	-	-	-	-	579	213
Alabama-----	1	-	4	1	-	-	-	-	-	-	234	41
Mississippi-----	-	1	5	9	-	-	-	1	-	-	19	32
WEST SOUTH CENTRAL-----	7	10	35	80	6	5	1	2	-	-	1,143	1,183
Arkansas-----	-	-	1	4	-	-	-	-	-	-	35	93
Louisiana-----	-	2	6	10	-	1	-	1	-	-	4	5
Oklahoma-----	1	-	2	3	1	-	-	-	-	-	-	148
Texas-----	6	8	26	63	5	4	1	1	-	-	1,104	937
MOUNTAIN-----	7	10	19	30	2	6	2	-	-	-	1,264	1,269
Montana-----	-	1	1	4	-	1	-	-	-	-	37	280
Idaho-----	-	1	-	3	-	-	-	-	-	-	48	15
Wyoming-----	-	-	-	-	-	-	-	-	-	-	2	276
Colorado-----	-	-	2	2	-	-	-	-	-	-	49	419
New Mexico-----	1	-	2	-	1	-	-	-	-	-	151	19
Arizona-----	3	5	3	14	1	5	2	-	-	-	174	235
Utah-----	3	-	9	1	-	-	-	-	-	-	793	25
Nevada-----	-	3	2	6	-	-	-	-	-	-	10	-
PACIFIC-----	14	32	44	171	8	22	5	9	1	-	1,989	722
Washington-----	1	4	2	11	-	3	-	-	-	-	397	185
Oregon-----	1	1	3	13	-	-	1	1	-	-	119	38
California-----	12	27	39	147	8	19	4	8	1	-	1,473	499
Alaska-----	1	-	1	-	1	-	-	-	-	-	13	189
Hawaii-----	-	6	-	19	-	4	-	2	-	-	374	7
Puerto Rico-----	-	-	3	-	-	-	-	-	-	-	71	74

¹Includes cases not specified by type, category number 080.3.

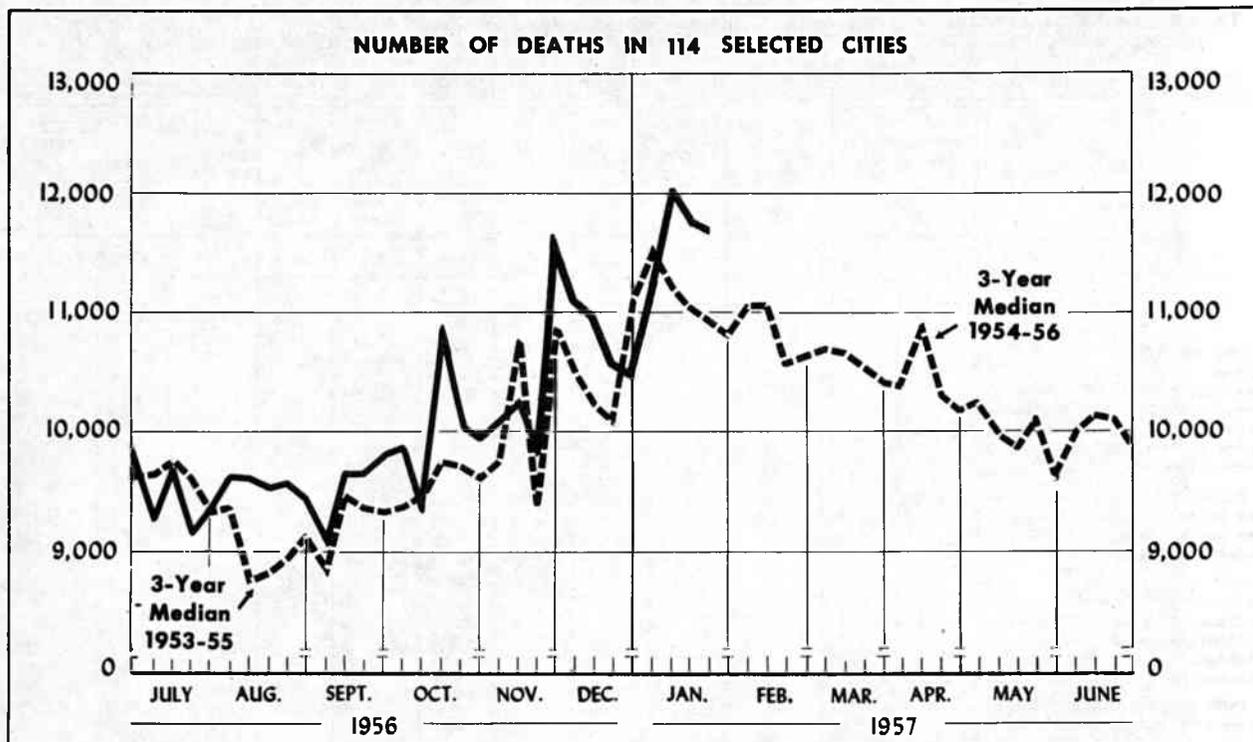
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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED JANUARY 28, 1956 AND JANUARY 26, 1957—Continued

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

AREA	MENINGOCOCCAL INFECTIONS		MENINGITIS, OTHER 340	PSITTACOSIS 096.2		TYPHOID FEVER 040				TYPHUS FEVER, ENDEMIC 101	RABIES IN ANIMALS	
	057			1957	1956	4th week		Cumulative first 4 weeks			1957	1957
	1957	1956	1957			1956	1957	1956	1957	1956		
CONT. UNITED STATES-----	48	67	40	4	5	27	30	81	100	3	127	115
NEW ENGLAND-----	-	1	2	-	-	1	-	3	1	-	-	-
Maine-----	-	-	1	-	-	-	-	-	-	-	-	-
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	-	-
Vermont-----	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts-----	-	1	-	-	-	-	-	1	1	-	-	-
Rhode Island-----	-	-	1	-	-	-	-	1	-	-	-	-
Connecticut-----	-	-	-	-	-	1	-	1	-	-	-	-
MIDDLE ATLANTIC-----	6	11	-	1	2	1	1	8	13	-	3	6
New York-----	2	8	-	-	1	1	1	2	4	-	2	4
New Jersey-----	1	1	-	-	-	-	-	2	1	-	-	-
Pennsylvania-----	3	2	-	1	-	-	-	4	8	-	1	2
EAST NORTH CENTRAL-----	14	13	4	1	1	3	2	10	6	-	10	10
Ohio-----	2	3	-	1	-	1	-	8	2	-	6	3
Indiana-----	2	1	1	-	-	-	-	-	-	-	-	-
Illinois-----	5	4	3	-	1	-	-	1	1	-	3	5
Michigan-----	5	3	-	-	-	1	1	1	2	-	1	2
Wisconsin-----	-	2	-	-	-	-	1	-	1	-	-	-
WEST NORTH CENTRAL-----	6	1	-	1	-	3	10	8	16	-	20	11
Minnesota-----	-	-	-	1	-	-	7	-	7	-	10	3
Iowa-----	-	-	-	-	-	1	-	3	3	-	8	1
Missouri-----	2	-	-	-	-	2	-	4	3	-	2	5
North Dakota-----	-	-	-	-	-	-	-	2	2	-	-	-
South Dakota-----	-	1	-	-	-	-	-	1	-	-	-	-
Nebraska-----	2	-	-	-	-	-	-	-	-	-	-	2
Kansas-----	2	-	-	-	-	-	-	-	-	-	-	-
SOUTH ATLANTIC-----	7	11	16	1	1	3	3	11	15	1	28	17
Delaware-----	-	-	1	-	-	-	-	-	1	-	-	2
Maryland-----	-	6	-	-	-	-	-	-	1	-	-	-
District of Columbia-----	-	-	-	-	-	-	-	-	-	-	-	-
Virginia-----	1	3	10	1	-	2	-	4	-	-	13	6
West Virginia-----	-	-	2	-	-	-	1	3	1	-	1	1
North Carolina-----	1	2	-	-	1	1	1	1	4	-	3	-
South Carolina-----	1	-	-	-	-	-	1	-	3	1	6	5
Georgia-----	-	-	3	-	-	-	-	1	2	-	4	1
Florida-----	4	-	-	-	-	-	-	2	3	-	1	2
EAST SOUTH CENTRAL-----	4	11	8	-	-	8	1	14	14	-	16	21
Kentucky-----	2	1	2	-	-	-	-	2	3	-	6	11
Tennessee-----	1	4	5	-	-	3	1	6	7	-	4	4
Alabama-----	3	5	-	-	-	-	-	-	-	-	6	5
Mississippi-----	-	1	1	-	-	5	-	6	4	-	-	1
WEST SOUTH CENTRAL-----	7	5	4	-	-	5	7	19	19	2	48	40
Arkansas-----	2	-	1	-	-	2	-	3	4	-	2	4
Louisiana-----	2	-	-	-	-	-	3	7	3	-	11	12
Oklahoma-----	1	-	-	-	-	1	2	3	5	-	-	1
Texas-----	2	5	3	-	-	2	2	6	7	2	25	14
MOUNTAIN-----	3	5	5	-	-	2	3	4	4	-	1	-
Montana-----	-	4	-	-	-	-	-	1	-	-	-	-
Idaho-----	-	-	-	-	-	-	-	-	-	-	-	-
Wyoming-----	1	-	-	-	-	-	-	-	-	-	-	-
Colorado-----	-	-	1	-	-	-	1	1	1	-	-	-
New Mexico-----	1	-	2	-	-	2	2	2	3	-	-	-
Arizona-----	1	1	2	-	-	-	-	-	-	-	1	-
Utah-----	-	-	-	-	-	-	-	-	-	-	-	-
Nevada-----	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC-----	1	9	1	1	2	-	3	4	12	-	1	10
Washington-----	-	-	-	-	1	-	-	-	-	-	-	-
Oregon-----	-	-	1	1	-	-	1	-	2	-	-	-
California-----	1	9	-	-	1	-	2	4	10	-	1	10
Alaska-----	-	2	-	-	-	-	-	-	-	-	-	-
Hawaii-----	-	-	-	-	-	1	-	1	-	-	-	-
Puerto Rico-----	-	-	1	-	-	1	-	7	-	-	1	-

¹Report for December.
²Report for January.



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 38 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	4th week ended Jan. 26, 1957	3d week ended Jan. 19, 1957	4th week median 1954-56	Percent change, median to current week	CUMULATIVE NUMBER FIRST 4 WEEKS		
					1957	1956	Percent change
TOTAL: 111 REPORTING CITIES-----	11,543	11,604	10,798	+6.9	46,181	44,920	+2.8
New England----- (13 cities)	732	756	674	+8.6	2,943	2,851	+3.2
Middle Atlantic----- (19 cities)	3,346	3,388	3,262	+2.6	13,420	13,242	+1.3
East North Central----- (18 cities)	2,475	2,453	2,276	+8.7	9,685	9,510	+1.8
West North Central----- (9 cities)	775	839	778	-0.4	3,174	3,176	-0.1
South Atlantic----- (11 cities)	996	997	910	+9.5	4,053	4,024	+0.7
East South Central----- (8 cities)	512	497	507	+1.0	2,122	2,131	-0.4
West South Central----- (13 cities)	979	934	889	+10.1	3,868	3,588	+7.8
Mountain----- (8 cities)	318	267	265	+20.0	1,138	1,034	+10.1
Pacific----- (12 cities)	1,410	1,473	1,333	+5.8	5,778	5,364	+7.7

Morbidity and Mortality Weekly Report

Table 4. DEATHS IN SELECTED CITIES

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

AREA	4th week ended Jan. 26, 1957	3d week ended Jan. 19, 1957	CUMULATIVE NUMBER FIRST 4 WEEKS		AREA	4th week ended Jan. 26, 1957	3d week ended Jan. 19, 1957	CUMULATIVE NUMBER FIRST 4 WEEKS	
			1957	1956				1957	1956
NEW ENGLAND					WEST NORTH CENTRAL—Con.				
Boston, Mass.-----	261	266	1,055	1,072	St. Louis, Mo.-----	232	256	961	1,090
Bridgeport, Conn.-----	44	41	173	170	St. Paul, Minn.-----	61	74	275	258
Cambridge, Mass.-----	35	33	140	130	Wichita, Kans.-----	39	47	174	170
Fall River, Mass.-----	18	25	99	129	SOUTH ATLANTIC				
Hartford, Conn.-----	54	63	213	216	Atlanta, Ga.-----	130	127	508	496
Lowell, Mass.-----	37	26	115	101	Baltimore, Md.-----	233	252	1,034	1,044
Lynn, Mass.-----	22	37	107	75	Charlotte, N. C.-----	30	36	148	176
New Bedford, Mass.-----	41	35	131	92	Jacksonville, Fla.-----	52	65	237	240
New Haven, Conn.-----	---	(51)	---	(231)	Miami, Fla.-----	53	52	220	266
Providence, R. I.-----	70	70	275	265	Norfolk, Va.-----	40	38	170	159
Somerville, Mass.-----	15	13	61	77	Richmond, Va.-----	105	73	332	318
Springfield, Mass.-----	55	54	190	186	Savannah, Ga.-----	26	39	146	115
Waterbury, Conn.-----	29	30	119	123	Tampa, Fla.-----	80	63	287	261
Worcester, Mass.-----	51	63	265	215	Washington, D. C.-----	205	214	816	803
MIDDLE ATLANTIC					Wilmingon, Del.-----	42	38	155	146
Albany, N. Y.-----	41	66	207	208	EAST SOUTH CENTRAL				
Allentown, Pa.-----	49	35	166	158	Birmingham, Ala.-----	73	57	330	339
Buffalo, N. Y.-----	108	151	630	638	Chattanooga, Tenn.-----	52	55	221	194
Camden, N. J.-----	56	43	182	160	Knoxville, Tenn.-----	42	37	137	184
Elizabeth, N. J.-----	30	35	104	104	Louisville, Ky.-----	102	125	463	451
Erie, Pa.-----	35	36	155	132	Memphis, Tenn.-----	116	101	444	444
Jersey City, N. J.-----	97	57	316	308	Mobile, Ala.-----	41	34	145	159
Newark, N. J.-----	110	115	475	414	Montgomery, Ala.-----	21	27	110	111
New York City, N. Y.-----	1,762	1,706	6,966	6,784	Nashville, Tenn.-----	65	61	272	249
Peterson, N. J.-----	41	46	165	151	WEST SOUTH CENTRAL				
Philadelphia, Pa.-----	491	481	1,814	2,003	Austin, Tex.-----	32	39	147	132
Pittsburgh, Pa.-----	207	212	815	835	Baton Rouge, La.-----	30	27	110	80
Reading, Pa.-----	---	(24)	---	(87)	Corpus Christi, Tex.-----	16	16	73	72
Rochester, N. Y.-----	104	121	455	390	Dallas, Tex.-----	114	107	454	428
Schenectady, N. Y.-----	29	26	110	102	El Paso, Tex.-----	34	34	124	112
Scranton, Pa.-----	41	63	169	143	Fort Worth, Tex.-----	54	58	246	232
Syracuse, N. Y.-----	53	65	250	263	Houston, Tex.-----	156	129	624	594
Trenton, N. J.-----	35	69	190	193	Little Rock, Ark.-----	56	47	207	190
Utica, N. Y.-----	29	34	128	130	New Orleans, La.-----	220	197	775	677
Yonkers, N. Y.-----	28	27	123	126	Oklahoma City, Okla.-----	58	74	270	262
EAST NORTH CENTRAL					San Antonio, Tex.-----	111	112	414	577
Akron, Ohio-----	58	46	216	213	Shreveport, La.-----	64	50	208	232
Canton, Ohio-----	41	35	145	101	Tulsa, Okla.-----	34	44	216	200
Chicago, Ill.-----	840	831	3,249	3,300	MOUNTAIN				
Cincinnati, Ohio-----	147	152	665	698	Albuquerque, N. Mex.-----	27	34	115	85
Cleveland, Ohio-----	214	240	890	815	Colorado Springs, Colo.-----	11	12	53	58
Columbus, Ohio-----	137	102	462	455	Denver, Colo.-----	136	113	504	468
Dayton, Ohio-----	---	(67)	---	(304)	Ogden, Utah-----	13	14	52	53
Detroit, Mich.-----	356	371	1,364	1,301	Phoenix, Ariz.-----	34	30	129	104
Evansville, Ind.-----	28	34	117	147	Pueblo, Colo.-----	16	17	56	65
Flint, Mich.-----	44	33	163	163	Salt Lake City, Utah-----	63	33	171	181
Fort Wayne, Ind.-----	46	30	157	158	Tucson, Ariz.-----	18	14	58	20
Gary, Ind.-----	38	26	129	135	PACIFIC				
Grand Rapids, Mich.-----	46	35	157	156	Berkeley, Calif.-----	15	22	84	77
Indianapolis, Ind.-----	140	127	526	454	Long Beach, Calif.-----	62	60	233	225
Milwaukee, Wis.-----	126	148	532	560	Los Angeles, Calif.-----	493	595	2,132	2,019
Peoria, Ill.-----	30	41	122	122	Oakland, Calif.-----	105	81	427	391
South Bend, Ind.-----	22	31	102	96	Pasadena, Calif.-----	44	51	173	154
Toledo, Ohio-----	103	113	442	423	Portland, Oreg.-----	104	94	393	423
Youngstown, Ohio-----	59	58	247	213	Sacramento, Calif.-----	61	51	223	183
WEST NORTH CENTRAL					San Diego, Calif.-----	77	80	339	300
Des Moines, Iowa-----	59	56	217	218	San Francisco, Calif.-----	219	240	865	801
Duluth, Minn.-----	28	38	118	106	Seattle, Wash.-----	144	113	556	492
Kansas City, Kans.-----	32	34	129	126	Spokane, Wash.-----	52	43	191	161
Kansas City, Mo.-----	127	109	466	429	Tacoma, Wash.-----	34	43	162	138
Minneapolis, Minn.-----	113	144	524	504	Honolulu, Hawaii-----	(46)	(42)	(167)	(150)
Omaha, Nebr.-----	84	81	310	275					

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

EPIDEMIOLOGICAL REPORTS—Continued

Mr. Vaughn Anderson, Idaho State Board of Health, has reported an outbreak of gastro-enteritis among members of a family from out of State. After arriving in Idaho the family separated into groups and visited relatives in the area. None ate together until breakfast on December 30. The only food eaten in common was sausage, however, 2 children of another family also ate the sausage and showed no clinical symptoms. Bacteriologic examination of samples of the sausage revealed no pathogenic organisms. The source and mode of spread of the outbreak was not determined.

Mrs. Sarah Dugan, Kentucky State Department of Health, has reported an outbreak of gastro-enteritis in a school. School lunch, including turkey, was served to about 300 persons. Of these, 103 became ill 1½ to 6 hours later. The turkey was cooked one Tuesday afternoon, and the meat was removed from the bones, and stored in a refrigerator. On Wednesday morning the refrigeration was found off, and the meat remained at room temperature until noon when it was served. An investigation revealed that 1 of 3 employees who deboned the turkey had an infected burn on one finger. None of the meat was available for bacteriologic examination.

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