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Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended January 14, 1956

During the last 6 months of 1955 the reported weekly numbers of infectious hepatitis cases remained approximately constant, fluctuating for the most part between 400 and 500 for the country as a whole. An increase in incidence usually occurs during the winter months but as yet there is no indication of the usual seasonal rise. This is also true for the individual States.

While large numbers of cases have been reported recently in 3 States—California, New York, and Pennsylvania—with large populations, their incidence rates are lower than those of many States with fewer inhabitants. The States with the highest incidence rates are in the northern part of the United States. In previous years the southeastern part of the country has experienced a relatively high incidence. Unlike the continental United States, an increase in the incidence of the disease was reported in Alaska during the latter part of 1955. Conditions including lack of sanitary facilities in most communities in Alaska are favorable for the spread of the infection. Since July 1, 1955, more than 1 case has been reported for every 1,000 inhabitants of the Territory. This is the highest incidence rate that Alaska has experienced for a comparable period since the disease was made reportable in 1952.

For the current week, a total of 57 cases of diphtheria was reported. Michigan reported 12 cases—the highest weekly in more than a year—the usual number being less than 5. However, early in 1955 the State reported 10 cases in 1 week. Other States reporting 4 cases or more are: California, 8; Texas, 6; Florida, 5; and Louisiana and Georgia, 4 each.

EPIDEMIOLOGICAL REPORTS

Suspect smallpox

Dr. D. S. Fleming, Minnesota Department of Health, has supplied additional information on the case of suspect smallpox reported for the week ended December 24, 1955. A herpes simplex virus has been isolated from vesicular fluid obtained from the patient. This rules out a diagnosis of smallpox. No secondary cases have been reported among the patient's contacts.

Salmonellosis

Dr. F. Plotke, Public Health Officer in Illinois, has reported an outbreak of salmonellosis involving 6 persons in an institution. Epidemiologic evidence indicated that eggnog was the vehicle of infection. Bacteriological examination revealed the presence of Salmonella pullorum in frozen eggs used in the preparation of the eggnog.

The Los Angeles County Department of Health has reported an outbreak of salmonellosis among 10 persons in a private household. Of these, 9 became ill with acute gastrointestinal symptoms from 5½ to 15½ hours after eating a meal. A mixture of chopped beef liver and chicken served for dinner was considered to be the vehicle of infection because the person not ill ate none of it. Although never ill, this person was later found to be a carrier of Salmonella Newport. There were 2 other persons (infant twins) in the household who did not eat any of the dinner. Of the twins, one had diarrhea prior to the outbreak. A stool specimen collected yielded S. alachua. The other twin had had recurrent diarrhea since birth and had been under treatment by a family pediatrician. However, at the time of the dinner it was symptom free. A stool culture taken later was negative for Salmonella.

The liver mixture was prepared with onions and fried in chicken fat for about half an hour. It was left unrefrigerated for about 6 hours, then transported from the place of preparation to the residence where it was served. Here, it remained on a table for several hours with members of the family serving themselves from time to time. With one of the twins ill for several days prior to this occasion, it is possible that in handling the infant the infection may have been transferred to the food. None of the food was available for bacteriological examination but a specimen of liver, from which the chopped meat came, was negative for pathogens.

A special investigation was made in the household where the liver mixture was prepared. The head of the household had made a trip to Mexico about 2 months before the outbreak. A few days after returning home, he developed acute diarrhea which lasted about 3 days, but he did not seek medical attention. No stool specimens were obtained until after the food infection episode. Salmonella Newport was isolated from the first specimen collected. A later specimen was negative, but a third collected 2 months after the incident yielded S. alachua. The first specimen collected from his wife was negative, and the second was positive for S. typhimurium. From the clinical cases S. Newport and S. alachua were isolated. Because several types of Salmonella organisms were isolated, no definite etiology could be assigned to this outbreak.

Dr. D. C. Poskanzer, New York State Health Department, has reported an outbreak of salmonellosis among 60 persons following a testimonial dinner in a restaurant. Of these, 34 became ill with nausea, chills, headache, malaise, vomiting, and diarrhea, with a mean incubation period of 36 hours. Roast beef was suspected to be the vehicle of infection, but this was not definitely established. The source of infection was not found. A strain of Salmonella typhimurium was isolated from specimens obtained from 5 patients.

Gastro-enteritis

Dr. D. C. Poskanzer has reported 2 outbreaks of gastro-enteritis involving a hotel in New York State. The chef, who had gastro-enteritis prior to these outbreaks, was suspected to be the source of infection. However, no laboratory examinations were made to prove this supposition. The first was among 75 persons following a luncheon. Twenty of these became ill with abdominal cramps and diarrhea from 2 to 3 hours later. The source of illness was probably ground beef loaf, half of which was prepared the night before and left unrefrigerated. The second outbreak occurred about 2 weeks later. In this instance the symptoms were identical with those of the earlier outbreak, but the incubation period was from 10 to 20 hours. Epidemiologic evidence indicates that turkey was the vehicle of infection, but none of the food was available for bacteriological examination.

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	2d WEEK			CUMULATIVE NUMBER						Approximate seasonal low point
				First 2 weeks			Since seasonal low week			
	Ended Jan. 14, 1956	Ended Jan. 15, 1955	Median 1951-55	1956	1955	Median 1951-55	1955-56	1954-55	Median 1950-51 to 1954-55	
Anthrax---062	[1]1	1	1	3	1	1	(2)	(2)	(2)	(2)
Botulism---049.1	-	-	---	-	-	---	(2)	(2)	(2)	(2)
Brucellosis (undulant fever)---044	16	17	---	31	27	---	---	---	---	---
Diphtheria---055	57	39	42	98	105	105	1,428	1,322	1,772	July 1
Encephalitis, infectious---082	17	18	16	37	45	23	988	1,397	750	June 1
Hepatitis, infectious, and serum---092,N998.5 pt.	471	960	---	856	1,578	---	---	---	---	---
Malaria---110-117	5	5	---	10	8	---	(2)	(2)	(2)	(2)
Measles---085	7,230	11,942	7,370	11,694	21,986	14,614	40,792	76,455	50,706	Sept. 1
Meningococcal infections---057	87	117	118	[3]146	202	205	[3]1,069	1,251	1,360	Sept. 1
Meningitis, other---340	22	---	---	[4]44	---	---	---	---	---	---
Poliomyelitis---080	116	134	159	[5]236	263	285	[5]28,443	37,450	34,754	Apr. 1
Psittacosis---096.2	2	9	---	4	14	---	(2)	(2)	(2)	(2)
Rabies in man---094	-	-	-	-	-	-	(2)	(2)	(2)	(2)
Smallpox---084	-	-	-	-	-	-	(2)	(2)	(2)	(2)
Typhoid fever---040	23	24	25	43	40	54	1,462	1,917	2,033	Apr. 1
Typhus fever, endemic---101	-	2	---	-	2	---	(2)	(2)	(2)	(2)
Rabies in animals---	95	108	127	190	230	254	1,215	1,583	1,813	Oct. 1

[1]Reported in Pennsylvania.
[2]Frequencies are too small.
[3]Addition: Maryland, week ended January 7, 1 case.
[4]Addition: Maryland, week ended January 7, 1 case.
[5]Addition: Maryland, week ended January 7, 1 case. Deduction: Montana, week ended January 7, 1 case.

NOTE.—No report for the current week has been received from Utah.

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, 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.

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED JANUARY 15, 1955 AND JANUARY 14, 1956

(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.			
			2d week		Cumulative first 2 weeks				2d week		Cumulative first 2 weeks	
	1956	1955	1956	1955	1956	1955	1956	1955	1956	1955	1956	1955
CONT. UNITED STATES	16	17	57	39	98	105	17	18	471	960	856	1,578
NEW ENGLAND	-	1	-	-	-	3	1	-	21	100	80	150
Maine	-	-	-	-	-	-	-	-	3	6	37	9
New Hampshire	-	-	-	-	-	-	-	-	-	5	-	10
Vermont	-	-	-	-	-	1	-	-	4	4	10	8
Massachusetts	-	-	-	-	-	2	-	-	6	54	9	72
Rhode Island	-	-	-	-	-	-	-	-	1	18	10	30
Connecticut	-	1	-	-	-	-	1	-	7	13	14	21
MIDDLE ATLANTIC	-	-	1	2	1	2	4	4	96	225	160	358
New York	-	-	1	1	1	1	4	3	59	116	77	184
New Jersey	-	-	-	-	-	-	-	1	7	33	8	39
Pennsylvania	-	-	-	1	-	1	-	-	30	76	75	135
EAST NORTH CENTRAL	2	5	14	6	18	14	3	4	56	166	92	256
Ohio	-	-	-	1	3	1	1	1	13	20	26	34
Indiana	-	-	2	2	2	10	1	2	11	19	20	39
Illinois	1	2	-	1	-	1	-	-	16	20	22	39
Michigan	1	3	12	2	13	2	1	1	9	96	15	116
Wisconsin	-	-	-	-	-	-	-	-	7	11	9	28
WEST NORTH CENTRAL	8	3	5	8	9	25	-	1	46	129	76	211
Minnesota	1	1	2	4	3	13	-	-	17	62	26	84
Iowa	4	1	1	-	2	-	-	-	21	40	33	62
Missouri	-	1	-	-	-	1	-	-	1	10	1	13
North Dakota	-	-	-	-	-	-	-	1	1	1	3	19
South Dakota	2	-	-	1	-	4	-	-	4	12	7	27
Nebraska	-	-	2	3	4	7	-	-	1	-	5	1
Kansas	1	-	-	-	-	-	-	-	1	4	1	5
SOUTH ATLANTIC	1	5	13	12	19	32	1	2	35	85	59	172
Delaware	-	-	-	-	-	-	-	-	-	2	-	3
Maryland	-	-	-	1	-	1	-	-	2	7	3	9
District of Columbia	-	-	-	-	-	-	-	-	2	4	2	4
Virginia	-	-	-	1	-	1	-	-	19	38	31	84
West Virginia	-	-	1	-	1	-	-	-	-	12	2	28
North Carolina	-	2	3	2	4	7	-	-	3	5	3	19
South Carolina	1	-	-	2	-	5	1	-	2	-	7	3
Georgia	-	3	4	5	5	15	-	-	6	5	9	9
Florida	-	-	5	1	9	3	-	2	1	12	2	13
EAST SOUTH CENTRAL	1	-	5	2	14	6	1	1	28	46	54	77
Kentucky	-	-	-	1	1	2	-	-	4	20	10	20
Tennessee	1	-	2	1	2	1	1	-	20	18	33	38
Alabama	-	-	3	-	11	2	-	-	-	5	1	11
Mississippi	-	-	-	-	-	1	-	1	4	3	10	8
WEST SOUTH CENTRAL	2	1	11	7	28	15	3	-	19	34	46	68
Arkansas	-	1	-	1	3	3	-	-	-	7	2	15
Louisiana	1	-	4	1	6	3	-	-	-	1	2	1
Oklahoma	-	-	1	-	3	1	1	-	2	2	4	4
Texas	1	-	6	5	16	8	2	-	17	24	38	48
MOUNTAIN	2	1	-	-	-	-	-	1	70	87	115	139
Montana	-	-	-	-	-	-	-	-	10	-	23	2
Idaho	-	-	-	-	-	-	-	-	5	6	11	11
Wyoming	1	1	-	-	-	-	-	-	6	1	12	1
Colorado	-	-	-	-	-	-	-	-	11	12	18	18
New Mexico	-	-	-	-	-	-	-	-	2	31	2	48
Arizona	1	-	-	-	-	-	-	1	36	32	49	51
Utah	---	-	---	-	---	-	---	-	---	4	---	7
Nevada	-	-	-	-	-	-	-	-	-	1	-	1
PACIFIC	-	1	8	2	9	8	4	5	100	88	174	147
Washington	-	-	-	-	-	-	-	-	20	19	40	39
Oregon	-	1	-	-	-	-	-	-	34	31	51	48
California	-	-	8	2	9	8	4	5	46	38	83	60
Alaska	-	-	-	-	-	-	-	-	1	6	2	6
Hawaii	-	-	-	-	-	-	-	-	-	1	2	4
Puerto Rico	-	-	2	2	3	3	-	-	-	1	-	2

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED JANUARY 15, 1955 AND JANUARY 14, 1956--Continued

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

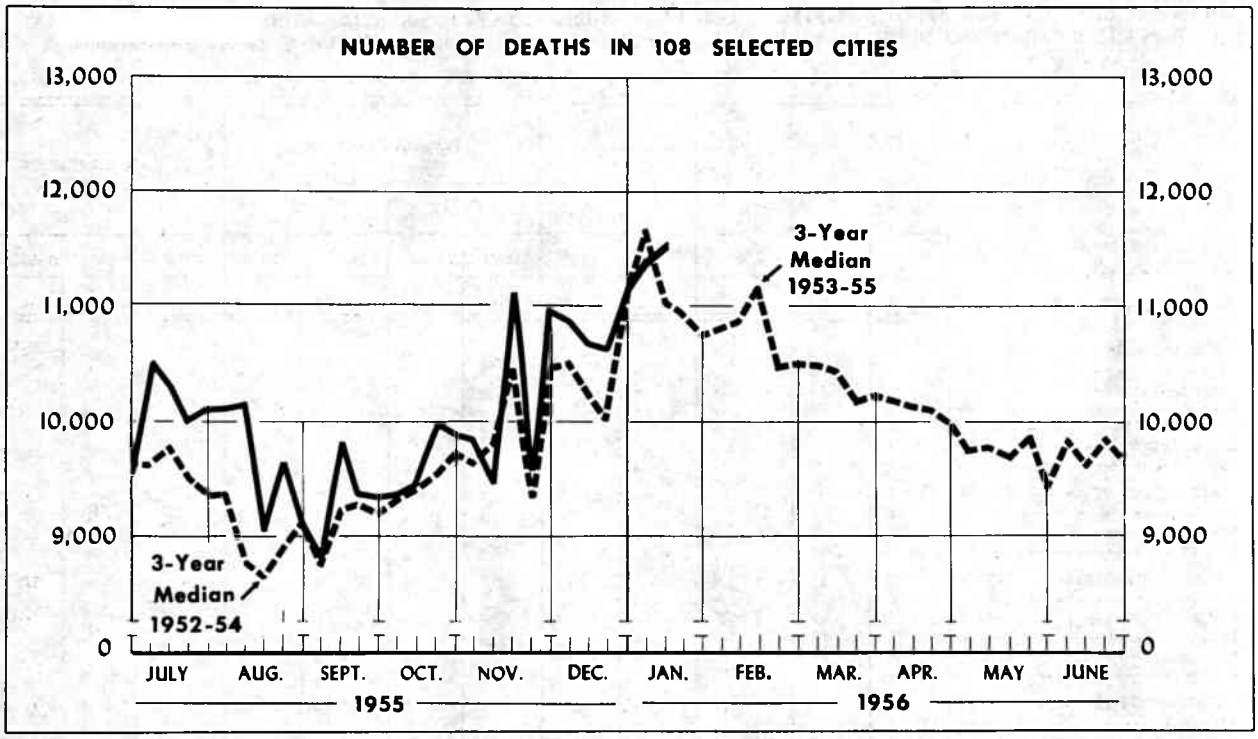
AREA	POLIOMYELITIS 080								MALARIA		MEASLES	
	Total[1]				Paralytic		Nonparalytic					
	2d week		Cumulative first 2 weeks		080.0,080.1		080.2		110-117		085	
	1956	1955	1956	1955	1956	1955	1956	1955	1956	1955	1956	1955
CONT. UNITED STATES	116	134	236	263	69	68	24	31	5	5	7,230	11,942
NEW ENGLAND	4	7	10	12	2	4	-	1	-	1	186	4,116
Maine	-	-	1	-	-	-	-	-	-	1	91	159
New Hampshire	-	1	1	1	-	-	-	-	-	-	-	107
Vermont	-	5	-	9	-	4	-	1	-	-	5	144
Massachusetts	3	1	6	1	1	-	-	-	-	-	83	2,649
Rhode Island	1	-	2	-	1	-	-	-	-	-	2	164
Connecticut	-	-	-	1	-	-	-	-	-	-	5	893
MIDDLE ATLANTIC	10	17	19	35	4	5	2	2	-	1	878	2,764
New York	7	11	13	19	4	5	2	2	-	-	344	1,144
New Jersey	-	1	1	6	-	-	-	-	-	1	154	1,078
Pennsylvania	3	5	5	10	-	-	-	-	-	-	380	542
EAST NORTH CENTRAL	10	13	21	23	3	6	1	1	-	-	1,765	1,746
Ohio	4	1	6	2	1	1	-	-	-	-	275	188
Indiana	-	2	1	2	-	-	-	-	-	-	53	35
Illinois	-	2	-	4	-	-	-	-	-	-	819	274
Michigan	3	6	6	10	2	5	1	1	-	-	450	796
Wisconsin	3	2	8	5	-	-	-	-	-	-	168	453
WEST NORTH CENTRAL	5	3	11	16	3	1	-	-	-	-	864	704
Minnesota	-	1	1	2	-	-	-	-	-	-	2	383
Iowa	3	-	6	3	2	-	-	-	-	-	343	134
Missouri	1	-	1	2	1	-	-	-	-	-	57	102
North Dakota	-	1	-	2	-	1	-	-	-	-	52	63
South Dakota	1	-	2	2	-	-	-	-	-	-	2	7
Nebraska	-	-	-	1	-	-	-	-	-	-	8	1
Kansas	-	1	1	4	-	-	-	-	-	-	400	14
SOUTH ATLANTIC	9	20	17	36	9	13	-	4	-	-	943	333
Delaware	-	-	-	-	-	-	-	-	-	-	-	1
Maryland	1	2	1	3	1	2	-	-	-	-	360	27
District of Columbia	-	-	-	-	-	-	-	-	-	-	21	4
Virginia	-	-	-	-	-	-	-	-	-	-	239	58
West Virginia	-	1	-	1	-	1	-	-	-	-	93	125
North Carolina	2	6	5	13	2	2	-	3	-	-	85	17
South Carolina	-	-	1	-	-	-	-	-	-	-	61	6
Georgia	5	2	5	5	5	2	-	-	-	-	77	81
Florida	1	9	5	14	1	6	-	1	-	-	7	14
EAST SOUTH CENTRAL	3	4	7	9	3	2	-	-	-	-	276	214
Kentucky	1	2	3	5	1	2	-	-	-	-	161	54
Tennessee	-	1	-	1	-	-	-	-	-	-	79	116
Alabama	-	-	-	1	-	-	-	-	-	-	18	40
Mississippi	2	1	4	2	2	-	-	-	-	-	18	4
WEST SOUTH CENTRAL	28	19	49	29	16	12	8	5	2	2	791	780
Arkansas	2	2	4	4	2	2	-	-	-	-	154	27
Louisiana	3	3	6	3	3	1	-	2	-	-	2	-
Oklahoma	2	4	3	7	1	2	-	-	-	-	144	11
Texas	21	10	36	15	10	7	8	3	2	2	491	742
MOUNTAIN	3	11	12	27	1	2	-	1	-	1	977	279
Montana	1	2	2	5	1	2	-	-	-	-	140	31
Idaho	-	-	-	-	-	-	-	-	-	-	11	4
Wyoming	-	-	-	3	-	-	-	-	-	-	101	1
Colorado	-	2	2	2	-	-	-	1	-	1	447	4
New Mexico	-	1	-	2	-	-	-	-	-	-	29	52
Arizona	-	-	4	2	-	-	-	-	-	-	248	175
Utah	---	5	---	9	---	-	---	-	---	-	---	10
Nevada	2	1	3	4	-	-	-	-	-	-	1	2
PACIFIC	44	40	90	76	28	23	13	17	3	-	550	1,006
Washington	7	8	7	9	5	6	-	2	-	-	119	231
Oregon	1	2	6	4	-	2	-	-	1	-	15	80
California	36	30	77	63	23	15	13	15	2	-	416	695
Alaska	-	1	-	2	-	1	-	-	-	-	15	4
Hawaii	5	-	9	-	5	-	-	-	-	-	6	63
Puerto Rico	-	10	-	36	-	10	-	-	-	-	29	54

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

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED JANUARY 15, 1955 AND JANUARY 14, 1956—Continued

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

AREA	MENINGOCOCCAL INFECTIONS 057		MENINGITIS, OTHER 340	PSITTACOSIS 096.2		TYPHOID FEVER 040				TYPHUS FEVER, ENDEMIC 101	RABIES IN ANIMALS	
						2d week		Cumulative first 2 weeks				
	1956	1955	1956	1956	1955	1956	1955	1956	1955	1956	1956	1955
CONT. UNITED STATES	87	117	22	2	9	23	24	43	40	-	95	108
NEW ENGLAND	9	2	1	-	1	-	-	-	-	-	-	-
Maine	-	1	-	-	-	-	-	-	-	-	-	-
New Hampshire	3	-	-	-	-	-	-	-	-	-	-	-
Vermont	1	-	-	-	-	-	-	-	-	-	-	-
Massachusetts	2	1	-	-	-	-	-	-	-	-	-	-
Rhode Island	1	-	1	-	-	-	-	-	-	-	-	-
Connecticut	2	-	-	-	1	-	-	-	-	-	-	-
MIDDLE ATLANTIC	8	17	-	-	1	4	4	9	7	-	16	9
New York	2	8	-	-	-	1	1	3	1	-	10	7
New Jersey	3	3	-	-	1	-	1	-	1	-	-	-
Pennsylvania	3	6	-	-	-	3	2	6	5	-	6	2
EAST NORTH CENTRAL	22	19	9	1	-	2	4	2	7	-	10	10
Ohio	6	2	-	-	-	1	2	1	5	-	-	3
Indiana	1	2	1	-	-	-	-	-	-	-	5	6
Illinois	11	7	7	1	-	-	-	-	-	-	-	-
Michigan	4	4	1	-	-	1	2	1	2	-	-	-
Wisconsin	-	4	-	-	-	-	-	-	-	-	5	1
WEST NORTH CENTRAL	4	6	2	-	-	2	3	3	3	-	6	14
Minnesota	-	1	-	-	-	-	-	-	-	-	-	5
Iowa	1	1	2	-	-	1	-	1	-	-	-	2
Missouri	-	1	-	-	-	1	3	2	3	-	4	7
North Dakota	1	-	-	-	-	-	-	-	-	-	-	-
South Dakota	-	2	-	-	-	-	-	-	-	-	-	-
Nebraska	-	-	-	-	-	-	-	-	-	-	2	-
Kansas	2	1	-	-	-	-	-	-	-	-	-	-
SOUTH ATLANTIC	11	29	6	-	4	3	1	8	4	-	25	33
Delaware	-	-	-	-	-	-	-	1	-	-	1	-
Maryland	-	1	-	-	-	-	-	-	-	-	-	-
District of Columbia	-	-	-	-	-	-	-	-	-	-	-	-
Virginia	2	3	3	-	-	-	-	-	2	-	10	14
West Virginia	1	2	3	-	-	-	-	-	1	-	3	2
North Carolina	4	10	-	-	-	2	-	3	-	-	1	3
South Carolina	-	5	-	-	-	-	-	-	-	-	9	9
Georgia	2	3	-	-	4	1	-	1	-	-	1	5
Florida	2	5	-	-	-	-	1	3	1	-	-	-
EAST SOUTH CENTRAL	7	12	1	-	-	7	-	9	-	-	12	21
Kentucky	1	2	1	-	-	1	-	2	-	-	2	-
Tennessee	4	6	-	-	-	5	-	5	-	-	2	6
Alabama	2	4	-	-	-	-	-	-	-	-	7	10
Mississippi	-	-	-	-	-	1	-	2	-	-	1	5
WEST SOUTH CENTRAL	14	12	3	-	-	4	2	5	7	-	20	18
Arkansas	1	2	1	-	-	2	1	2	2	-	3	2
Louisiana	4	4	-	-	-	-	-	-	-	-	-	-
Oklahoma	-	2	2	-	-	1	-	1	1	-	-	1
Texas	9	4	-	-	-	1	1	2	4	-	17	15
MOUNTAIN	4	2	-	-	1	-	9	1	11	-	-	2
Montana	2	1	-	-	-	-	-	-	-	-	-	-
Idaho	2	-	-	-	1	-	1	-	1	-	-	-
Wyoming	-	-	-	-	-	-	-	-	-	-	-	-
Colorado	-	-	-	-	-	-	-	-	-	-	-	-
New Mexico	-	-	-	-	-	-	6	1	7	-	-	2
Arizona	-	-	-	-	-	-	2	-	3	-	-	-
Utah	---	-	---	---	-	---	-	---	-	---	---	-
Nevada	-	1	-	-	-	-	-	-	-	-	-	-
PACIFIC	8	18	-	1	2	1	1	6	1	-	6	1
Washington	2	2	-	-	-	-	-	-	-	-	-	-
Oregon	-	3	-	1	-	-	-	1	-	-	-	-
California	6	13	-	-	2	1	1	5	1	-	6	1
Alaska	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico	-	-	1	-	-	-	-	-	-	-	-	-



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 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 DIVISION

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

AREA	2d week ended Jan. 14, 1956	1st week ended Jan. 7, 1956	2d week median 1953-55	Percent change, median to current week	CUMULATIVE NUMBER FIRST 2 WEEKS		
					1956	1955	Percent change
TOTAL: 106 REPORTING CITIES	10,918	10,742	10,423	+4.7	21,660	20,476	+5.8
New England (13 cities)	491	539	496	-1.0	1,030	993	+3.7
Middle Atlantic (17 cities)	3,237	3,387	3,264	-0.8	6,624	6,381	+3.8
East North Central (17 cities)	2,317	2,040	2,015	+15.0	4,357	3,945	+10.4
West North Central (9 cities)	801	860	748	+7.1	1,661	1,343	+23.7
South Atlantic (9 cities)	951	872	810	+17.4	1,823	1,616	+12.8
East South Central (8 cities)	513	499	563	-8.9	1,012	984	+2.8
West South Central (13 cities)	945	884	845	+11.8	1,829	1,745	+4.8
Mountain (8 cities)	269	245	254	+5.9	514	543	-5.3
Pacific (12 cities)	1,394	1,416	1,468	-5.0	2,810	2,926	-4.0

Table 4. DEATHS IN SELECTED CITIES FOR WEEK ENDED JANUARY 14, 1956

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

CITY	2d week ended Jan. 14, 1956	1st week ended Jan. 7, 1956	CUMULATIVE NUMBER FIRST 2 WEEKS	
			1956	1955
NEW ENGLAND				
Boston, Mass.	---	(268)	---	(559)
Bridgeport, Conn.	51	41	92	89
Cambridge, Mass.	31	35	66	67
Fall River, Mass.	28	31	59	54
Hartford, Conn.	58	54	112	131
Lowell, Mass.	27	26	53	44
Lynn, Mass.	14	19	33	56
New Bedford, Mass.	31	28	59	45
New Haven, Conn.	71	51	122	95
Providence, R. I.	48	69	117	137
Somerville, Mass.	18	29	47	39
Springfield, Mass.	44	54	98	91
Waterbury, Conn.	27	34	61	57
Worcester, Mass.	43	68	111	88
MIDDLE ATLANTIC				
Albany, N. Y.	55	57	112	82
Allentown, Pa.	(47)	(36)	(83)	(70)
Buffalo, N. Y.	103	193	296	270
Camden, N. J.	28	46	74	87
Elizabeth, N. J.	22	24	46	63
Erie, Pa.	27	37	64	69
Jersey City, N. J.	78	99	177	125
Newark, N. J.	94	100	194	257
New York City, N. Y.	1,782	1,795	3,577	3,452
Paterson, N. J.	37	44	81	73
Philadelphia, Pa.	541	444	985	963
Pittsburgh, Pa.	171	232	403	386
Reading, Pa.	(21)	(16)	(37)	(41)
Rochester, N. Y.	96	107	203	183
Schenectady, N. Y.	26	22	48	42
Scranton, Pa.	(35)	(37)	(72)	(58)
Syracuse, N. Y.	71	67	138	110
Trenton, N. J.	50	44	94	111
Utica, N. Y.	30	43	73	61
Yonkers, N. Y.	26	33	59	47
EAST NORTH CENTRAL				
Akron, Ohio	53	60	113	112
Canton, Ohio	29	20	49	64
Chicago, Ill.	925	808	1,733	1,475
Cincinnati, Ohio	218	159	377	380
Cleveland, Ohio	243	202	445	369
Columbus, Ohio	119	116	235	233
Dayton, Ohio	78	73	151	126
Detroit, Mich.	---	(317)	---	(692)
Evansville, Ind.	31	40	71	57
Flint, Mich.	40	43	83	75
Fort Wayne, Ind.	34	49	83	61
Gary, Ind.	(19)	(37)	(56)	(67)
Grand Rapids, Mich.	48	28	76	71
Indianapolis, Ind.	136	98	234	222
Milwaukee, Wis.	140	136	276	251
Peoria, Ill.	31	27	58	58
South Bend, Ind.	27	26	53	59
Toledo, Ohio	110	107	217	223
Youngstown, Ohio	55	48	103	109
WEST NORTH CENTRAL				
Des Moines, Iowa	48	56	104	75
Duluth, Minn.	21	37	58	49
Kansas City, Kans.	32	27	59	80
Kansas City, Mo.	112	104	216	204
Minneapolis, Minn.	134	136	270	244
Omaha, Nebr.	75	79	154	139
WEST NORTH CENTRAL—Con.				
St. Louis, Mo.	263	319	582	327
St. Paul, Minn.	56	67	123	141
Wichita, Kans.	60	35	95	84
SOUTH ATLANTIC				
Atlanta, Ga.	122	116	238	236
Baltimore, Md.	262	248	510	490
Charlotte, N. C.	49	53	102	62
Jacksonville, Fla.	(54)	(61)	(115)	(117)
Miami, Fla.	75	61	136	123
Norfolk, Va.	54	40	94	79
Richmond, Va.	79	71	150	134
Savannah, Ga.	---	---	---	(69)
Tampa, Fla.	74	55	129	120
Washington, D. C.	188	195	383	292
Wilmington, Del.	48	33	81	80
EAST SOUTH CENTRAL				
Birmingham, Ala.	74	69	143	154
Chattanooga, Tenn.	47	44	91	103
Knoxville, Tenn.	47	47	94	66
Louisville, Ky.	123	87	210	245
Memphis, Tenn.	96	124	220	188
Mobile, Ala.	46	33	79	47
Montgomery, Ala.	18	25	43	68
Nashville, Tenn.	62	70	132	113
WEST SOUTH CENTRAL				
Austin, Tex.	35	31	66	54
Baton Rouge, La.	18	25	43	51
Corpus Christi, Tex.	18	9	27	31
Dallas, Tex.	107	120	227	189
El Paso, Tex.	31	26	57	72
Fort Worth, Tex.	50	56	106	104
Houston, Tex.	193	117	310	301
Little Rock, Ark.	59	46	105	90
New Orleans, La.	166	160	326	321
Oklahoma City, Okla.	74	61	135	139
San Antonio, Tex.	91	95	186	188
Shreveport, La.	53	74	127	88
Tulsa, Okla.	50	64	114	117
MOUNTAIN				
Albuquerque, N. Mex.	18	20	38	53
Colorado Springs, Colo.	11	19	30	27
Denver, Colo.	126	105	231	274
Ogden, Utah	14	18	32	17
Phoenix, Ariz.	26	27	53	51
Pueblo, Colo.	19	10	29	23
Salt Lake City, Utah	50	39	89	88
Tucson, Ariz.	5	7	12	10
PACIFIC				
Berkeley, Calif.	13	19	32	41
Long Beach, Calif.	58	60	118	107
Los Angeles, Calif.	518	536	1,054	1,123
Oakland, Calif.	102	106	208	238
Pasadena, Calif.	47	35	82	74
Portland, Oreg.	121	115	236	218
Sacramento, Calif.	45	58	103	122
San Diego, Calif.	96	52	148	207
San Francisco, Calif.	210	217	427	371
Seattle, Wash.	121	146	267	269
Spokane, Wash.	35	41	76	76
Tacoma, Wash.	28	31	59	80
Honolulu, Hawaii	(41)	(48)	(89)	(77)

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

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