

Morbidity and Mortality

Weekly
Report



FEDERAL SECURITY AGENCY Public Health Service

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Provisional Statistics for Specified Notifiable Diseases in the United States for Week Ended May 3, 1952

Since all reports indicate that influenza is no longer prevalent the publication of numbers of deaths from influenza and pneumonia in 58 cities is being temporarily discontinued. Late in the year when the disease is apt to reappear publication of these data will be resumed, although collection and tabulation will be continued throughout all months of the year.

The data collected since the beginning of 1952 have been summarized and mortality rates calculated on an annual basis. The figures shown in the table of page 4 are average weekly rates for four 4-week periods. For comparison, data for 1951 and 1950 are included.

The rates in one geographical area should not be compared with those of another since no correction has been made for residence. Changes in rates from one 4-week period to another in the same area may be indicative of the presence or absence of influenza. It will be noted in the table that there was a very slight increase in mortality in some areas during March of 1952, namely, in the New England and East South Central States. In 1951 influenza and pneumonia mortality rates rose much higher in the New England, Middle Atlantic, and Pacific States, and in 1950 the Mountain States showed the greatest amount of increase.

Excess mortality from all causes probably is a better indicator of influenza than mortality from influenza and pneumonia alone. However, such data have not been included in the present study.

EPIDEMIOLOGICAL REPORTS

Influenza

The following reports have been received by the Influenza Information Center, National Institutes of Health.

Dr. E. H. Lennette, Director, Regional Laboratory, California State Department of Public Health, reports that for the week ending April 26 5 paired sera tested by the complement fixation and hemagglutination inhibition tests were found positive to influenza B. The onsets of the illnesses were from March 14 to March 30, with one onset unknown. Three paired sera from Fort Ord tested in the week of March 13-19 by the complement fixation test were found positive to influenza B. The onsets of the illnesses were from March 13 to March 19.

Dr. Charles C. Croft, Ohio State Department of Health, reports that from 18 paired sera collected from students at the hospital at Bowling Green State University during March and April, 15 showed significant rises in titer to influenza type B. Two paired specimens from Seneca County also showed diagnostic rises to B antigen.

Typhoid Fever

Dr. W. J. Murphy, Georgia Department of Public Health, has

reported an outbreak of typhoid fever in Bryan County centering in a village of about 1,200 population. The onset of the original case was February 3, 9 more cases developed between February 18 and 28, and the onset of the last case was March 18. All but 2 of the 11 cases lived in the village. Patients came from all strata of society, and few had any contact with each other. This disease was found in both the white and the nonwhite population. The time sequence suggested that the 9 cases in a 10-day period were related to the original case but no connection could be found. No common food was found since all had eaten at home and there was no history of attendance at a community gathering. However, all families involved were patrons of one store which supplied about 10 percent of the groceries consumed in the area. A probable means of infection from this store has not been found. All cases had used the public water supply but no indication of contamination has been discovered. The possibility that a water main was contaminated in an unusual manner is still being investigated. Laboratory examination showed that all the cases were type A infections.

Gastro-enteritis

Dr. N. H. Dyer, West Virginia Director of Health, has reported an outbreak of food poisoning following the eating of coconut cream pies. Twenty persons became ill 4 to 6 hours after eating pies purchased on the same date from trucks of one bakery. Large numbers of staphylococci and a smaller number of streptococci were found on bacteriological examination of specimens of this food. One food handler who assisted in preparation of the pies had ulcerative lesions on his hands.

Dr. L. L. Park, Florida Board of Health, has reported 2 outbreaks of gastro-enteritis. One group of ladies who attended a bridge club luncheon in a hotel were served chicken salad and 12 became ill 6 to 10 hours later. Sanitary conditions and food handling practices in the hotel were considered excellent, and there was proper refrigeration. No laboratory examinations of the salad were reported. The second outbreak followed the eating of ham salad in a drive-in restaurant. Five persons became ill 6 to 10 hours after eating the salad. Mayonnaise used in the salad was not kept in a refrigerator and it was believed that the ham was mishandled.

Dr. W. A. Longshore, California Department of Public Health, has reported an outbreak of gastro-enteritis which followed the eating of cold turkey meat in a restaurant. This food was eaten by 171 persons of whom 45 became ill about 11 to 12 hours later. Bacteriological examination of the turkey revealed the presence of *Staphylococcus aureus* and *Streptococcus fecalis*. Because of the incubation period the latter organism was considered to be the cause of the outbreak. The turkey was allowed to remain at room temperature for 15 hours after cooking before being served.

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AVERAGE WEEKLY MORTALITY RATES ON AN ANNUAL BASIS PER 100,000 POPULATION FOR INFLUENZA AND PNEUMONIA IN CERTAIN CITIES, BY 4-WEEK PERIODS: GEOGRAPHIC DIVISIONS, 1950, 1951, AND 1952

AREA	1952				1951				1950			
	4 weeks ended				4 weeks ended				4 weeks ended			
	Jan. 26	Feb. 23	Mar. 22	Apr. 19	Jan. 27	Feb. 24	Mar. 24	Apr. 21	Jan. 28	Feb. 25	Mar. 25	Apr. 22
New England-----	61.4	56.2	75.9	67.1	58.8	67.1	137.3	61.4	64.5	67.1	78.5	81.1
Middle Atlantic-----	42.6	45.2	49.4	42.6	42.6	48.9	92.1	53.0	40.1	36.4	64.0	58.8
East North Central-----	41.6	31.2	41.6	35.4	39.0	34.8	55.6	57.2	27.0	28.6	39.0	33.8
West North Central-----	43.2	45.2	54.6	49.4	54.6	53.0	39.5	56.7	54.6	45.2	89.6	64.0
South Atlantic-----	46.8	44.7	85.5	44.7	48.4	44.7	48.4	56.2	41.1	46.8	59.8	58.2
East South Central-----	57.2	58.6	73.8	78.0	66.0	53.6	82.1	73.8	45.2	53.6	69.7	73.8
West South Central-----	39.5	37.4	44.2	28.6	30.7	66.0	50.4	48.4	39.5	34.8	59.3	48.4
Mountain-----	65.0	72.3	52.0	58.7	84.7	58.7	84.7	65.0	52.0	65.0	117.5	65.0
Pacific-----	39.0	31.8	42.1	31.8	28.6	25.5	63.4	45.2	46.8	37.4	42.1	34.3

Table 1.—COMPARATIVE DATA FOR CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

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

DISEASE	TOTAL FOR WEEK ENDED		5-year median 1947-51	Approximate seasonal low week ended	CUMULATIVE TOTAL SINCE SEASONAL LOW WEEK		5-year median 1946-47 through 1950-51	CUMULATIVE TOTAL FOR CALENDAR YEAR		5-year median 1947-51
	May 3, 1952	May 5, 1951			1951-52	1950-51		1952	1951	
Anthrax-----062	1	2	2	(2)	(2)	(2)	(2)	14	28	23
Brucellosis (undulant fever)-----044	41	---	---	(2)	(2)	(2)	(2)	662	---	---
Diphtheria-----055	51	45	106	July 1	3,318	4,483	8,086	1,137	1,515	2,875
Encephalitis, acute infectious---082	27	12	12	(2)	(2)	(2)	(2)	431	275	158
Hepatitis, infectious, and serum-----092,N998.5 pt.	178	---	---	(2)	(2)	(2)	(2)	7,286	---	---
Malaria-----110-117	72	---	---	(2)	(2)	(2)	(2)	715	---	---
Measles-----085	30,664	24,611	24,611	Sept. 1	504,598	322,762	322,762	452,421	294,061	294,061
Meningococcal infections-----057	113	75	75	Sept. 1	3,481	2,942	2,666	2,326	1,899	1,596
Poliomyelitis, acute-----080	93	70	70	Apr. 1	360	325	270	1,680	1,623	1,263
Rocky Mountain spotted fever---104A	2	6	6	(2)	(2)	(2)	(2)	14	13	21
Scarlet fever and streptococcal sore throat-----050,051	2,694	1,930	1,938	Aug. 1	72,337	56,456	62,606	56,426	40,513	40,954
Trichiniasis-----128	8	---	---	(2)	(2)	(2)	(2)	111	---	---
Tularemia-----059	8	17	16	(2)	(2)	(2)	(2)	249	250	363
Typhoid fever-----040	23	32	41	Apr. 1	136	139	172	535	531	635
Typhus fever, endemic-----101	1	---	---	Apr. 1	15	---	---	45	---	---
Whooping cough-----056	997	1,415	1,712	Oct. 1	34,066	49,121	68,646	19,881	27,508	38,450
Rabies in animals-----	178	148	---	(2)	(2)	(2)	(2)	3,295	2,711	---

¹Reported in Ohio.²Not computed.³Deduction: Arkansas, week ended April 19, 1 case.

NOTE.—Cases of specified notifiable diseases occurring in outlying possessions for current week (corresponding week of 1951 shown in parentheses) follow:

Alaska: Measles, 3 (-); scarlet fever, 5 (-); whooping cough, - (2).

Hawaii: Measles, 25 (3); meningococcal infections, 1 (-); poliomyelitis, 5 (-); scarlet fever, 1 (-); brucellosis, 1; hepatitis infections and serum, 1.

Puerto Rico: Diphtheria, 9 (5); measles, 47 (69); scarlet fever, 1 (-); typhoid fever, 4 (-); whooping cough, 26 (15); malaria, 4; typhus fever, 1.

SOURCE AND NATURE OF DATA

These provisional data are based on reports from State and territorial health departments to the Public Health Service. They give the total number of cases of certain communicable diseases reported during the week usually ended the preceding Saturday.

When the diseases with low frequencies (botulism, cholera, dengue, plague, rabies in man, smallpox, typhus fever—epidemic, and yellow fever) are reported, they will be noted under the table above.

Symbols.—1 dash [-]: no cases reported; asterisk [*]: disease stated not notifiable; parentheses, [()]: data not included in total; 3 dashes [---]: data not available.

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Table 2.—CASES OF SPECIFIED DISEASES WITH COMPARATIVE DATA: UNITED STATES,
EACH DIVISION AND STATE FOR WEEK ENDED MAY 3, 1952

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

AREA	DIPHTHERIA (055)		MEASLES (085)		MENINGOCOCCAL INFECTIONS (057)		POLIOMYELITIS, ACUTE (080)		SCARLET FEVER AND STREPTOCOCCAL SORE THROAT (050,051)		TYPHOID FEVER (040)	
	Week ended		Week ended		Week ended		Week ended		Week ended		Week ended	
	May 3, 1952	May 5, 1951	May 3, 1952	May 5, 1951	May 3, 1952	May 5, 1951	May 3, 1952	May 5, 1951	May 3, 1952	May 5, 1951	May 3, 1952	May 5, 1951
UNITED STATES-----	51	45	30,644	24,611	113	75	93	70	2,694	1,938	23	32
NEW ENGLAND-----	-	3	3,251	831	3	2	3	-	168	166	1	2
Maine-----	-	-	331	15	-	-	-	-	11	19	1	1
New Hampshire-----	-	-	41	15	-	-	-	-	1	6	-	-
Vermont-----	-	-	153	123	1	-	-	-	5	5	-	-
Massachusetts-----	-	3	1,654	489	1	-	2	-	84	115	-	-
Rhode Island-----	-	-	123	12	-	-	-	-	16	8	-	-
Connecticut-----	-	-	946	177	1	2	1	-	71	13	-	1
MIDDLE ATLANTIC-----	7	7	9,085	3,414	19	13	6	9	761	313	-	3
New York-----	3	4	3,293	1,122	7	8	5	4	494	166	-	-
New Jersey-----	-	1	4,396	742	4	1	1	4	136	42	-	-
Pennsylvania-----	4	2	1,396	1,550	8	4	-	1	131	105	-	3
EAST NORTH CENTRAL-----	5	6	6,765	4,528	32	15	7	3	701	695	5	3
Ohio-----	4	4	819	1,263	12	3	2	-	250	222	4	1
Indiana-----	1	2	524	146	2	2	1	-	31	24	-	-
Illinois-----	-	-	1,600	880	11	6	2	3	100	74	-	2
Michigan-----	-	-	1,694	627	2	1	2	-	252	305	1	-
Wisconsin-----	-	-	2,128	1,612	5	3	-	-	68	70	-	-
WEST NORTH CENTRAL-----	6	4	1,375	1,668	6	6	4	9	128	113	3	2
Minnesota-----	1	1	88	118	-	-	1	3	28	13	-	-
Iowa-----	1	-	132	216	1	1	-	2	24	15	-	-
Missouri-----	3	1	110	215	3	3	-	1	15	50	3	-
North Dakota-----	-	-	319	73	-	1	-	2	35	2	-	-
South Dakota-----	-	-	25	40	-	-	-	4	6	6	-	2
Nebraska-----	-	-	263	65	-	-	3	1	5	5	-	-
Kansas-----	1	2	439	941	1	1	-	-	17	22	-	-
SOUTH ATLANTIC-----	14	6	2,478	2,003	19	12	7	10	194	119	1	4
Delaware-----	-	-	17	26	1	2	-	-	7	-	-	-
Maryland-----	-	-	252	194	1	1	1	-	24	13	1	-
District of Columbia-----	-	-	62	56	-	-	-	1	7	7	-	-
Virginia-----	2	2	839	657	4	1	1	-	84	21	-	2
West Virginia-----	1	1	460	387	2	-	1	-	10	14	-	-
North Carolina-----	4	3	287	179	3	3	-	1	50	33	-	1
South Carolina-----	4	-	115	30	-	-	1	1	1	2	-	-
Georgia-----	3	-	268	304	5	3	-	1	7	13	-	1
Florida-----	-	-	178	170	3	2	3	6	4	16	-	-
EAST SOUTH CENTRAL-----	3	7	1,624	949	10	8	2	5	68	45	6	8
Kentucky-----	-	1	705	420	3	4	-	1	14	18	2	-
Tennessee-----	-	1	355	259	3	2	-	-	43	23	-	2
Alabama-----	1	3	494	227	4	2	-	2	7	3	2	3
Mississippi-----	2	2	70	43	-	-	2	2	4	1	2	1
WEST SOUTH CENTRAL-----	13	9	2,340	4,466	10	12	51	12	224	77	2	8
Arkansas-----	-	-	176	360	-	2	1	1	54	4	-	2
Louisiana-----	-	1	28	33	-	1	8	4	3	6	2	2
Oklahoma-----	2	1	151	525	-	2	2	-	6	16	-	-
Texas-----	11	7	1,985	3,548	10	7	40	7	161	51	-	4
MOUNTAIN-----	2	1	1,035	1,212	1	1	-	6	210	93	1	3
Montana-----	-	-	215	27	1	1	-	-	8	3	1	-
Idaho-----	1	-	68	135	-	-	-	-	12	8	-	-
Wyoming-----	-	1	90	102	-	-	-	1	7	2	-	-
Colorado-----	-	-	216	295	-	-	-	-	6	4	-	-
New Mexico-----	1	-	62	127	-	-	-	3	1	2	-	2
Arizona-----	-	-	109	447	-	-	-	2	93	12	-	-
Utah-----	-	-	256	76	-	-	-	-	81	62	-	1
Nevada-----	-	-	19	3	-	-	-	-	2	-	-	-
PACIFIC-----	1	2	2,711	5,540	14	6	13	16	220	317	4	1
Washington-----	-	-	247	1,070	1	4	1	2	25	54	-	-
Oregon-----	-	1	112	746	1	-	-	-	32	29	2	-
California-----	1	1	2,352	3,724	12	2	12	14	163	234	2	1

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Table 2.—CASES OF SPECIFIED DISEASES WITH COMPARATIVE DATA: UNITED STATES,
EACH DIVISION AND STATE FOR WEEK ENDED MAY 3, 1952—Continued
(Numbers under diseases are category numbers of the Sixth Revision of the International Lists, 1948)

AREA	WHOOPING COUGH (056)		Botulism (049.1)	Brucellosis (undulant fever) (044)	Encephalitis, acute infectious (082)	Hepatitis, infectious, and serum (092, N998.5 pt.)	Malaria (110-117)	Rocky Mountain spotted fever (104A)	Smallpox (084)	Trichiniasis (128)	Tularemia (059)	Typhus fever, endemic (101)	Rabies in animals
	Week ended												
	May 3, 1952	May 5, 1951											
UNITED STATES-----	997	1,415	-	41	27	178	72	2	-	8	3	1	178
NEW ENGLAND-----	58	90	-	-	-	4	-	-	-	1	-	-	-
Maine-----	8	36	-	-	-	-	-	-	-	-	-	-	-
New Hampshire-----	1	4	-	-	-	-	-	-	-	-	-	-	-
Vermont-----	10	8	-	-	-	-	-	-	-	-	-	-	-
Massachusetts-----	31	38	-	-	-	3	-	-	-	-	-	-	-
Rhode Island-----	-	2	-	-	-	-	-	-	-	1	-	-	-
Connecticut-----	8	2	-	-	-	1	-	-	-	-	-	-	-
MIDDLE ATLANTIC-----	90	172	-	4	10	31	8	-	-	6	-	-	24
New York-----	46	61	-	1	8	25	4	-	-	5	-	-	6
New Jersey-----	19	84	-	-	1	-	-	-	-	1	-	-	-
Pennsylvania-----	33	47	-	3	1	6	4	-	-	-	-	-	18
EAST NORTH CENTRAL-----	100	199	-	10	7	20	8	-	-	1	1	-	22
Ohio-----	22	32	-	-	-	4	-	-	-	-	-	-	3
Indiana-----	2	39	-	1	-	1	-	-	-	-	-	-	-
Illinois-----	8	24	-	3	4	4	-	-	-	-	1	-	11
Michigan-----	32	40	-	-	3	11	1	-	-	-	-	-	7
Wisconsin-----	36	64	-	6	-	-	7	-	-	1	-	-	1
WEST NORTH CENTRAL-----	39	38	-	12	-	23	5	-	-	-	2	-	22
Minnesota-----	1	2	-	3	-	2	2	-	-	-	-	-	6
Iowa-----	6	6	-	4	-	16	1	-	-	-	-	-	1
Missouri-----	18	6	-	2	-	5	1	-	-	-	1	-	13
North Dakota-----	-	3	-	-	-	-	-	-	-	-	-	-	2
South Dakota-----	-	1	-	1	-	-	-	-	-	-	-	-	-
Nebraska-----	1	2	-	-	-	-	1	-	-	-	-	-	-
Kansas-----	13	16	-	2	-	-	-	-	-	-	1	-	-
SOUTH ATLANTIC-----	106	185	-	-	3	41	22	2	-	-	2	-	25
Delaware-----	-	5	-	-	-	-	-	-	-	-	-	-	-
Maryland-----	10	12	-	-	1	2	-	-	-	-	-	-	-
District of Columbia-----	1	10	-	-	-	-	-	-	-	-	-	-	-
Virginia-----	17	40	-	-	1	11	8	-	-	*	2	-	9
West Virginia-----	46	-	-	-	1	3	-	-	-	-	-	-	-
North Carolina-----	17	55	-	-	-	8	7	2	-	-	-	-	6
South Carolina-----	-	1	-	-	-	2	2	-	-	-	-	-	2
Georgia-----	11	42	-	-	-	15	5	-	-	-	-	-	7
Florida-----	4	20	-	-	-	-	-	-	-	-	-	-	1
EAST SOUTH CENTRAL-----	55	122	-	-	5	34	7	-	-	-	1	-	47
Kentucky-----	2	15	-	-	-	4	6	-	-	-	-	-	12
Tennessee-----	26	32	-	-	5	15	-	-	-	-	-	-	19
Alabama-----	8	55	-	-	-	15	-	-	-	*	-	-	9
Mississippi-----	19	22	-	-	-	-	1	-	-	*	1	-	7
WEST SOUTH CENTRAL-----	354	372	-	7	1	5	17	-	-	-	2	1	32
Arkansas-----	5	30	-	-	-	5	4	-	-	-	1	-	7
Louisiana-----	11	7	-	3	-	-	-	-	-	-	-	-	-
Oklahoma-----	5	18	-	1	-	-	2	-	-	-	-	-	3
Texas-----	333	319	-	3	1	-	11	-	-	*	1	1	22
MOUNTAIN-----	61	141	-	4	1	5	-	-	-	-	-	-	1
Montana-----	-	18	-	-	-	-	-	-	-	-	-	-	-
Idaho-----	-	-	-	-	-	-	-	-	-	-	-	-	-
Wyoming-----	1	10	-	-	-	-	-	-	-	-	-	-	-
Colorado-----	19	15	-	4	-	2	-	-	-	-	-	-	-
New Mexico-----	14	36	-	-	-	-	-	-	-	-	-	-	-
Arizona-----	25	55	-	-	1	2	-	-	-	-	-	-	1
Utah-----	2	7	-	-	-	1	-	-	-	-	-	-	-
Nevada-----	-	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC-----	126	96	-	4	-	15	5	-	-	-	-	-	5
Washington-----	6	30	-	2	-	2	-	-	-	-	-	-	-
Oregon-----	10	5	-	-	-	3	-	-	-	-	-	-	-
California-----	110	61	-	2	-	10	5	-	-	-	-	-	5

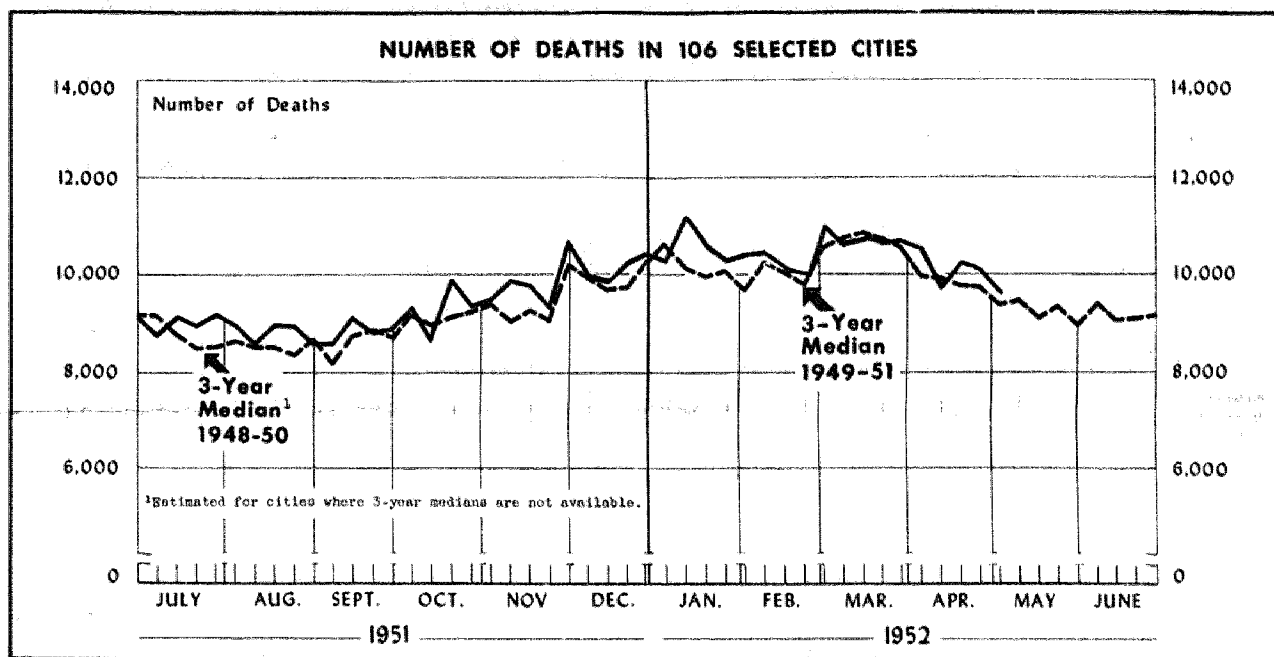
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**Table 3.—CASES OF SPECIFIED DISEASES: SELECTED CITIES FOR WEEK ENDED
MAY 3, 1952**

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

AREA	Brucellosis (undulant fever) (044)	Diphtheria (055)	Enecephalitis, acute infectious (082)	Hepatitis, infectious, and serum (082, N999.5 pt.)	Measles (085)	Meningococcal infections (057)	Poliomyelitis, acute (080)	Rocky Mountain spotted fever (104A)	Scarlet fever and streptococcal sore throat (050, 051)	Trichiniasis (122)	Tularemia (059)	Typhoid fever (040)	Typhus fever, endemic (101)	Whooping cough (056)	Rabies in animals	
TOTAL: 95 cities--	-	13	10	38	9,828	40	27	-	737	7	1	3	-	194	23	
NEW ENGLAND																
Boston-----					211	3	1		12						5	
Bridgeport-----					15				6							
Cambridge-----					29				4						1	
Fall River-----					10											
Hartford-----					10											
Lowell-----					6											
Lynn-----					25				1							
New Bedford-----					81											
New Haven-----					132				2							
Portland, Me.-----					99											
Providence-----					75				13	1						
Somerville-----					13				2						1	
Springfield, Mass.-----					8				4						3	
Waterbury-----					10				8							
Worcester-----				2	55				4							
MIDDLE ATLANTIC																
Albany-----																
Buffalo-----																
Camden-----					14										1	
Elizabeth-----					65				5							
Erie-----					58				3							
Jersey City-----					146				5						2	
Newark, N. J.-----					542				2	1					7	
New York City-----		2	7	10	1,369	3	2		183	5					27	
Paterson-----					98				24							
Philadelphia-----		1		5	374	3			9						9	
Pittsburgh-----					33	4			17						3	
Reading-----					15				4							
Rochester, N. Y.-----																
Schenectady-----																
Syracuse-----																
Trenton-----					27											
Utica-----																
Yonkers-----																
EAST NORTH CENTRAL																
Akron-----					76				5						16	
Canton-----					9											
Chicago-----			2		603	7			35						2	
Cincinnati-----				3	41	1			10						2	
Cleveland-----					364	2			33			1			11	
Columbus-----				1	30	6			9						1	
Dayton-----																
Detroit-----			1	1	412		1		67						9	
Evansville-----					21	1			2							
Flint-----																
Fort Wayne-----																
Grand Rapids-----					49				13						1	
Indianapolis-----					230	1			10							
Milwaukee-----					892				12						13	
Peoria-----					10				7						1	
South Bend-----					2											
Toledo-----																
Youngstown-----					37										2	
WEST NORTH CENTRAL																
Des Moines-----					5											
Duluth-----		3			1				3							
Kansas City, Kans.-----																
Kansas City, Mo.-----		1		2	73	1			1						9	
Minneapolis-----				1	62				7							
Omaha-----					22											
St. Louis-----					9				12							
St. Paul-----					20				2							
Wichita-----					1,547				3							

Provisional Statistics for Deaths in Selected Cities for Week Ended
May 3, 1952



The chart shows the number of deaths reported for 106 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 three 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 4.—DEATHS IN SELECTED CITIES BY GEOGRAPHIC DIVISION
(By place of occurrence, and week of filing certificate. Exclusive of fetal deaths)

GEOGRAPHIC DIVISION	18th week ended May 3, 1952	17th week ended Apr. 26, 1952	18th week median 1949-51	Percentage difference between current week and median	CUMULATIVE NUMBER FOR FIRST 18 WEEKS		
					1952	1951	Percentage difference
TOTAL: 100 REPORTING CITIES-----	8,556	8,961	8,344	+2.5	167,202	167,213	+0.0
New England----- (14 cities)	663	750	630	+5.2	12,773	13,306	-4.0
Middle Atlantic----- (17 cities)	2,941	3,025	2,901	+1.4	56,384	57,503	-1.9
East North Central----- (15 cities)	1,156	1,216	1,198	-3.5	22,200	22,501	-1.3
West North Central----- (8 cities)	703	710	681	+3.2	13,163	12,667	+3.9
South Atlantic----- (9 cities)	698	801	684	+2.0	14,558	13,717	+6.1
East South Central----- (7 cities)	414	396	389	+6.4	7,904	7,881	+0.3
West South Central----- (11 cities)	625	631	609	+2.6	12,646	12,650	-0.0
Mountain----- (7 cities)	206	243	192	+7.3	4,128	3,773	+9.4
Pacific----- (12 cities)	1,150	1,189	1,044	+10.2	23,526	23,215	+1.3

Weekly Mortality Report

Table 5.—DEATHS IN SELECTED CITIES FOR WEEK ENDED

MAY 3, 1952

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

CITY	18th week ended	17th week ended	CUMULATIVE NUMBER FOR FIRST 18 WEEKS		CITY	18th week ended	17th week ended	CUMULATIVE NUMBER FOR FIRST 18 WEEKS	
	May 3, 1952	Apr. 26, 1952	1952	1951		May 3, 1952	Apr. 26, 1952	1952	1951
NEW ENGLAND					WEST NORTH CENTRAL—Con.				
Boston-----	246	261	4,356	4,478	St. Paul-----	65	59	1,164	1,155
Bridgeport-----	32	26	644	648	Wichita-----	32	33	745	717
Cambridge-----	32	35	600	620	SOUTH ATLANTIC				
Fall River-----	23	39	548	572	Atlanta-----	76	107	1,803	1,542
Hartford-----	50	64	831	858	Baltimore-----	219	249	4,440	4,211
Lowell-----	24	28	468	571	Charlotte-----	25	32	507	513
Lynn-----	17	22	437	426	Miami-----	48	50	1,033	1,044
New Bedford-----	14	19	444	474	Norfolk-----	33	27	559	591
New Haven-----	37	48	816	839	Richmond-----	60	65	1,307	1,179
Providence-----	57	74	1,188	1,296	Tampa-----	59	66	1,124	944
Somerville-----	12	16	304	337	Washington, D. C.-----	142	176	3,197	3,101
Springfield, Mass.-----	43	40	699	731	Wilmington, Del.-----	36	29	588	592
Waterbury-----	22	25	445	446	EAST SOUTH CENTRAL				
Worcester-----	54	53	993	1,010	Birmingham-----	71	63	1,269	1,407
MIDDLE ATLANTIC					Chattanooga-----	33	33	845	877
Albany-----	36	54	753	802	Knockville-----	27	28	613	627
Buffalo-----	146	145	2,602	2,767	Louisville-----	108	97	1,858	1,751
Camden-----	38	39	672	653	Memphis-----	105	86	1,758	1,636
Elizabeth-----	36	15	589	588	Mobile-----	20	37	590	594
Erie-----	26	34	602	629	Montgomery-----	(20)	(14)	(427)	(503)
Jersey City-----	76	65	1,366	1,345	Nashville-----	52	52	971	989
Newark, N. J.-----	73	124	2,026	1,904	WEST SOUTH CENTRAL				
New York City-----	1,549	1,578	29,637	29,851	Austin-----	15	21	426	487
Paterson-----	39	30	772	716	Baton Rouge-----	---	(16)	---	(271)
Philadelphia-----	497	488	8,986	9,928	Corpus Christi-----	21	17	317	236
Pittsburgh-----	162	180	3,319	3,271	Dallas-----	86	92	1,656	1,551
Rochester, N. Y.-----	96	73	1,731	1,717	El Paso-----	21	30	487	541
Schenectady-----	23	29	430	412	Fort Worth-----	58	54	972	983
Syracuse-----	56	51	982	956	Houston-----	117	79	2,142	2,060
Trenton-----	40	46	819	881	Little Rock-----	---	(47)	---	(799)
Utica-----	23	41	549	588	New Orleans-----	148	162	2,843	2,930
Yonkers-----	25	33	529	515	Oklahoma City-----	50	51	992	996
EAST NORTH CENTRAL					San Antonio-----	60	55	1,396	1,476
Akron-----	57	61	1,013	958	Shreveport-----	31	32	695	711
Canton-----	19	30	537	514	Tulsa-----	18	38	720	679
Chicago-----	---	(708)	---	(13,851)	MOUNTAIN				
Cincinnati-----	147	151	2,670	2,807	Albuquerque-----	18	24	448	431
Cleveland-----	---	(208)	---	(3,983)	Colorado Springs-----	12	12	227	195
Columbus-----	93	108	1,906	1,850	Denver-----	82	127	1,920	1,780
Dayton-----	---	(63)	---	(1,124)	Ogden-----	22	14	237	185
Detroit-----	304	291	5,600	6,086	Phoenix-----	22	27	389	334
Evanaville-----	24	24	598	576	Pueblo-----	12	4	180	170
Flint-----	37	31	618	600	Salt Lake City-----	38	35	727	678
Fort Wayne-----	19	22	556	602	Tucson-----	(6)	(5)	(107)	(115)
Grand Rapids-----	38	31	706	736	PACIFIC				
Indianapolis-----	97	142	2,134	2,041	Berkeley-----	11	19	349	310
Milwaukee-----	131	125	2,236	2,077	Long Beach-----	44	42	885	845
Peoria-----	30	41	582	584	Los Angeles-----	403	479	8,653	8,471
South Bend-----	27	26	440	484	Oakland-----	104	86	1,883	1,754
Toledo-----	82	82	1,704	1,804	Pasadena-----	28	36	609	592
Youngstown-----	51	51	900	782	Portland, Oreg.-----	96	57	1,835	1,882
WEST NORTH CENTRAL					Sacramento-----	48	35	877	813
Des Moines-----	54	42	957	883	San Diego-----	61	80	1,389	1,220
Duluth-----	23	34	449	456	San Francisco-----	180	179	3,563	3,669
Kansas City, Kans.-----	(49)	---	---	(683)	Seattle-----	105	114	2,099	2,231
Kansas City, Mo.-----	110	124	2,121	1,996	Spokane-----	40	39	747	755
Minneapolis-----	124	118	2,159	2,084	Tacoma-----	30	23	637	673
Omaha-----	67	65	1,186	1,021	Honolulu-----	(25)	(24)	(599)	(578)
St. Louis-----	228	235	4,382	4,355					

Symbols.—parentheses [()] : data not included in table 4; 3 dashes [---] : data not available.