

# Morbidity and Mortality

Weekly  
Report



FEDERAL SECURITY AGENCY Public Health Service

NATIONAL OFFICE OF VITAL STATISTICS

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## Provisional Statistics for Specified Notifiable Diseases in the United States for Week Ended May 31, 1952

Although no weekly reports on malaria were received last year, until the first week in September, the increase which began about the first of April this year was a few weeks earlier than the rise for 1951, as indicated by information from the Division of Preventive Medicine, Office of the Surgeon General of the Army. The chart below shows the weekly incidence of malaria among civilians and military establishments for the first 22 weeks of 1952. For the week ended April 5, 134 cases in Georgia were excluded from the total. This figure represents an accumulation of delayed reports from military installations. Some of these cases date back as far as 6 months. For the current week there were 181 cases, or a slight increase over the 170 reported last week. Of the total this week, 41 cases were in civilians. Several States are now indicating, as they did late in 1951, that civilian cases were among veterans or that the source of infection was outside the United States. Beginning with the week ended April 5, Texas (42) and Wisconsin (23) reported almost 40 percent of the civilian cases (163). However, Wisconsin has reported cases as military for the past 2 weeks. During this period a total of 814 cases has been reported with a large number of States and the District of Columbia reporting either 1 or no cases. The largest number of military cases was reported in Kentucky, 75. Other States reporting large numbers were: Georgia, 70; California, 65; Lou-

isiana, 61; Virginia, 57; and South Carolina, 54. Puerto Rico has reported 40 cases of malaria, not designated as civilian or military, since the first of April. More than half of these cases were for the last 2 weeks when 13 and 11, respectively, were reported. A few single intermittent cases have been reported in Hawaii. However, there were 2 cases for the current week.

The number of cases of poliomyelitis for this week is 119 as compared with 147 for the previous week. Up to the present time California and Texas have been reporting by far the largest numbers of cases. For the current week, California and Texas reported 20 and 33 cases, respectively, which were decreases from the numbers reported for last week. For the other States there were no apparent increases over the previous week, except in Florida and Louisiana, where the rise was from 4 to 9, and 3 to 14, respectively.

### EPIDEMIOLOGICAL REPORTS

#### Anthrax

Dr. C. E. Weigle, New Jersey Department of Health, has supplied information on two probable cases of anthrax. On April 4, a physician saw two teen-age boys who had conditions considered to be anthrax. These conditions cleared under antibiotic therapy and the diagnosis was not confirmed by laboratory examination. The suspected source of infection was fertilizer, but laboratory examination failed to confirm this suspicion.

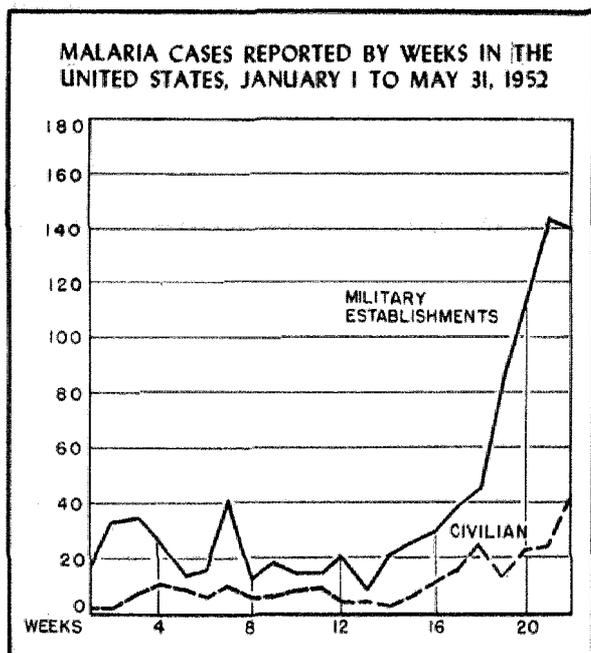
#### Smallpox

Dr. J. M. Mott, Kansas State Board of Health, reports that the case of smallpox for the week ended May 24, was in a 27-year old woman. The patient stated that she was vaccinated in 1945 but the results are unknown. She recently moved from Kansas City, Kansas, and was ill when she arrived in Atchison. Three days later the attending physician diagnosed the case as smallpox. All known contacts in Atchison have been vaccinated.

Dr. E. A. Rogers, Nebraska Department of Health, has given additional information on the case of smallpox reported for the week ended May 17. It was a very mild case in a 4-year old boy who had a headache and fever on May 8. The papules were hard, deep, and shotty, definitely multilocular, and appeared 5 days later. There was no evidence of a successful vaccination.

#### Gastro-enteritis

Dr. S. B. Osgood, Oregon State Board of Health, reports an outbreak of gastro-enteritis among 180 persons who attended a church banquet on May 12. The food consisted of baked ham, scalloped potatoes, green peas, fruit salad, lemon pie, milk, etc. A total of 150 persons became ill between 8 and 24 hours after the meal. Most of the illnesses lasted about 5 hours, and a few lasted for 3 days. The ham was suspected as the vehicle of infection, but due to the nature of the affair no food was left for laboratory examination. Four sweet pickled hams were obtained from a packing company and delivered to a restaurant where they were boned and thoroughly cooked. They were sliced while still hot just before delivery to the church at 4 p.m. The meat was left at the church about 3 hours before it was eaten. Ten other hams were purchased by the restaurant and used without report of illness. The potatoes and the lemon pies were prepared in private homes and brought to the banquet shortly before being



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served. The peas were commercially canned and were cooked at the church. The fruit salad was also commercially canned, but raw bananas were added about an hour before the banquet. The milk was purchased from a dairy in a case, but less than half of the persons present drank milk.

Dr. W. A. Longshore, Jr., California Department of Public Health has reported 2 outbreaks of gastro-enteritis. The first involved 6 persons who ate food from a highway restaurant. The food, spaghetti and ravioli in sauce, was brought from the restaurant in a cardboard carton. It was immediately placed in a pan and heated, and was eaten within 30 minutes. Specimens of food were negative and the restaurant showed no conditions conducive of food poisoning. The second included a group of 5 persons who became ill 3 to 6 hours after eating asparagus with hollandaise sauce at a luncheon. The laboratory examination of a specimen of the sauce revealed the presence of a hemolytic staphylococcus.

The medical officer in charge of Region I has reported an outbreak of food poisoning among 100 officers, chiefs, and crew, on board a coast guard ship which was docked at Boston. Eight of the crew were affected between 5 and 16 hours after eating the

noon meal. It was not possible to determine the food eaten by each individual on board. Therefore, the investigation was limited to the 8 ill crew members. The noon meal consisted of roast beef, salad, pie, milk, and ice cream, and was served to the total complement. A check of the 8 ill crew members revealed that all ate beef, pie, and ice cream. Two of the 8 had leftover pie for supper and were the sickest of the crew. Unfortunately, no pie was available for examination. Since it was possible that the pie was the offender, provisions are being made for better storage. Refrigeration is not available from a practicable standpoint due to space limitations. Investigation showed that the source of ice cream was another Federal Agency. A sample taken at random from the locker was sent to be tested by the Massachusetts Laboratories. Three of 5 flavors in the sample showed the presence of *Staphylococcus aureus*. It was noted that the plant supplying the ice cream had been previously judged insanitary and is not on the interstate carrier list. Although possible, it is doubtful that the ice cream was the vehicle of infection, since it was eaten by the remainder of the ship's complement without any adverse affects.

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 31, 1952	June 2, 1951			1951-52	1950-51		1952	1951	
Anthrax-----062	1	-	-	(2)	(2)	(2)	(2)	18	36	26
Brucellosis (undulant fever)----044	36	---	---	(2)	(2)	(2)	(2)	826	---	---
Diphtheria-----055	31	62	117	July 1	3,479	4,735	8,542	1,298	1,767	3,331
Encephalitis, acute infectious---082	20	20	9	(2)	(2)	(2)	(2)	541	370	217
Hepatitis, infectious, and serum---092,N998.5 pt.	135	---	---	(2)	(2)	(2)	(2)	8,021	---	---
Malaria-----110-117	181	---	---	(2)	(2)	(2)	(2)	31,306	---	---
Measles-----085	20,528	18,894	17,967	Sept. 1	611,119	411,968	411,968	558,942	383,267	383,267
Meningococcal infections-----057	82	79	58	Sept. 1	3,862	3,235	2,952	2,707	2,192	1,882
Polio-myelitis, acute-----080	119	115	133	Apr. 1	846	677	756	2,166	1,975	1,773
Rocky Mountain spotted fever---104A	15	15	19	(2)	(2)	(2)	(2)	60	61	82
Scarlet fever and streptococcal sore throat-----050,051	1,974	1,388	1,388	Aug. 1	81,990	63,014	69,760	66,079	47,066	46,108
Trichiniasis-----128	7	---	---	(2)	(2)	(2)	(2)	146	---	---
Tularemia-----059	13	9	25	(2)	(2)	(2)	(2)	290	299	434
Typhoid fever-----040	29	26	48	Apr. 1	252	265	360	651	657	845
Typhus fever, endemic-----101	1	---	---	Apr. 1	28	---	---	58	---	---
Whooping cough-----056	868	1,500	1,500	Oct. 1	38,311	55,395	76,740	24,126	33,781	44,864
Rabies in animals-----	136	153	---	(2)	(2)	(2)	(2)	4,003	3,368	---

<sup>1</sup>Reported in Illinois.<sup>2</sup>Not computed.<sup>3</sup>Deduction: Oregon, week ended April 12, 2 cases.

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

Alaska: Measles, 11 (-); scarlet fever, 11 (-).

Hawaii: Measles, 5 (20); poliomyelitis, 1 (-); hepatitis, infectious, and serum, 1; malaria, 2.

Puerto Rico: Diphtheria, 9 (5); measles, 27 (103); typhoid fever, - (2); whooping cough, 13 (7); hepatitis, infectious, and serum, 2; malaria, 11; rabies in animals, 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 31, 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 (090)		SCARLET FEVER AND STREPTOCOCCAL SORE THROAT (050,051)		TYPHOID FEVER (040)	
	Week ended		Week ended		Week ended		Week ended		Week ended		Week ended	
	May 31, 1952	June 2, 1951	May 31, 1952	June 2, 1951	May 31, 1952	June 2, 1951	May 31, 1952	June 2, 1951	May 31, 1952	June 2, 1951	May 31, 1952	June 2, 1951
UNITED STATES-----	31	62	20,528	18,894	82	79	119	115	1,974	1,588	29	26
NEW ENGLAND-----	2	5	2,246	987	5	5	-	-	179	150	-	-
Maine-----	-	1	229	35	-	2	-	-	7	16	-	-
New Hampshire-----	-	-	7	36	1	-	-	-	3	9	-	-
Vermont-----	-	-	78	101	-	-	-	-	7	6	-	-
Massachusetts-----	2	3	1,099	543	2	-	-	-	94	99	-	-
Rhode Island-----	-	-	55	23	1	-	-	-	10	3	-	-
Connecticut-----	-	1	778	249	2	3	-	-	56	15	-	-
MIDDLE ATLANTIC-----	4	11	5,527	3,919	11	10	7	7	584	371	3	5
New York-----	1	4	2,140	1,620	4	8	6	4	379	265	2	4
New Jersey-----	-	-	2,599	945	1	-	-	2	111	22	-	-
Pennsylvania-----	3	7	788	1,154	6	2	1	1	94	64	1	1
EAST NORTH CENTRAL-----	6	7	6,068	3,884	22	11	10	11	474	365	2	2
Ohio-----	4	1	932	650	2	4	1	-	140	104	1	1
Indiana-----	2	5	274	82	6	-	1	1	27	15	-	-
Illinois-----	-	-	864	670	8	3	4	3	64	46	-	-
Michigan-----	-	1	1,523	502	5	1	2	3	157	182	1	1
Wisconsin-----	-	-	2,475	1,980	1	3	2	4	66	58	-	-
WEST NORTH CENTRAL-----	1	4	692	1,116	5	4	3	4	56	63	3	-
Minnesota-----	1	2	193	112	1	-	-	-	26	16	-	-
Iowa-----	-	-	113	221	1	-	1	1	10	9	-	-
Missouri-----	-	-	68	225	1	1	1	-	10	16	3	-
North Dakota-----	-	1	94	164	1	1	-	-	4	4	-	-
South Dakota-----	-	-	54	12	1	-	-	-	1	3	-	-
Nebraska-----	-	-	105	5	-	-	-	3	2	1	-	-
Kansas-----	-	1	67	377	-	2	1	-	3	14	-	-
SOUTH ATLANTIC-----	10	13	1,391	1,574	9	11	15	23	147	72	3	7
Delaware-----	-	-	20	37	-	-	1	-	5	2	-	-
Maryland-----	-	-	149	267	-	-	-	-	28	22	-	1
District of Columbia-----	-	-	32	51	-	-	1	-	5	6	-	-
Virginia-----	3	-	586	639	2	2	-	1	57	6	-	1
West Virginia-----	-	1	137	290	1	6	1	-	5	12	-	-
North Carolina-----	-	6	205	39	1	2	1	4	18	19	-	1
South Carolina-----	6	3	67	35	2	-	2	2	-	-	-	-
Georgia-----	-	3	123	127	1	1	-	7	23	3	3	4
Florida-----	1	-	73	69	2	-	9	9	6	2	-	-
EAST SOUTH CENTRAL-----	-	8	546	580	9	12	5	6	24	43	5	2
Kentucky-----	-	1	195	216	3	5	-	1	8	19	1	1
Tennessee-----	-	1	178	123	2	1	2	-	8	10	1	1
Alabama-----	-	5	138	220	2	3	-	5	6	10	-	-
Mississippi-----	-	1	35	21	2	3	3	-	2	4	3	-
WEST SOUTH CENTRAL-----	3	7	1,047	2,238	9	19	48	30	227	45	9	5
Arkansas-----	-	-	83	201	1	3	1	2	11	2	3	1
Louisiana-----	1	1	22	73	-	1	14	4	3	5	1	2
Oklahoma-----	-	-	59	444	-	-	-	2	10	9	-	-
Texas-----	2	6	863	1,520	8	15	33	22	203	29	5	2
MOUNTAIN-----	-	3	671	815	-	-	6	6	127	32	2	4
Montana-----	-	-	114	96	-	-	-	-	3	2	-	-
Idaho-----	-	-	40	116	-	-	-	-	12	8	1	1
Wyoming-----	-	-	23	39	-	-	-	-	2	-	-	1
Colorado-----	-	-	126	159	-	-	-	3	6	5	1	1
New Mexico-----	-	2	38	86	-	-	1	-	2	1	-	1
Arizona-----	-	1	76	231	-	-	4	3	70	4	-	-
Utah-----	-	-	238	64	-	-	1	-	31	12	-	-
Nevada-----	-	-	16	4	-	-	-	-	1	-	-	-
PACIFIC-----	5	4	2,340	3,781	12	7	25	26	156	227	2	1
Washington-----	2	-	245	569	2	1	4	2	19	24	-	-
Oregon-----	2	1	96	536	-	1	1	1	15	10	-	-
California-----	1	3	1,999	2,676	10	5	20	25	122	193	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 31, 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 (082, 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 31, 1952	June 2, 1951											
UNITED STATES-----	866	1,500	-	36	20	135	181	15	-	7	13	1	156
NEW ENGLAND-----	53	74	-	1	2	10	-	-	-	-	-	-	-
Maine-----	4	14	-	-	-	-	-	-	-	-	-	-	-
New Hampshire-----	6	6	-	-	-	-	-	-	-	-	-	-	-
Vermont-----	-	3	-	1	-	-	-	-	-	-	-	-	-
Massachusetts-----	17	26	-	-	2	8	-	-	-	-	-	-	-
Rhode Island-----	-	8	-	-	-	-	-	-	-	-	-	-	-
Connecticut-----	6	17	-	-	-	-	-	-	-	-	-	-	-
MIDDLE ATLANTIC-----	111	110	-	1	3	16	10	1	-	5	-	-	8
New York-----	24	53	-	-	3	14	-	1	-	4	-	-	5
New Jersey-----	33	33	-	-	-	-	2	-	-	-	-	-	-
Pennsylvania-----	54	24	-	1	-	2	8	-	-	1	-	-	3
EAST NORTH CENTRAL-----	87	195	-	7	8	12	29	-	-	-	-	-	21
Ohio-----	17	38	-	-	-	2	1	-	-	-	-	-	6
Indiana-----	9	11	-	-	1	-	11	-	-	-	-	-	-
Illinois-----	11	29	-	2	5	2	4	-	-	-	-	-	7
Michigan-----	18	66	-	-	2	7	2	-	-	-	-	-	7
Wisconsin-----	32	51	-	5	-	1	11	-	-	-	-	-	1
WEST NORTH CENTRAL-----	25	71	-	10	2	10	7	1	-	-	-	-	27
Minnesota-----	2	8	-	3	-	1	2	1	-	-	-	-	11
Iowa-----	1	16	-	5	-	4	4	-	-	-	-	-	12
Missouri-----	3	7	-	-	1	4	1	-	-	-	-	-	3
North Dakota-----	-	14	-	-	-	-	-	-	-	-	-	-	-
South Dakota-----	-	1	-	2	1	-	-	-	-	-	-	-	-
Nebraska-----	2	-	-	-	-	-	-	-	-	-	-	-	1
Kansas-----	15	25	-	-	-	1	-	-	-	-	-	-	-
SOUTH ATLANTIC-----	101	209	-	5	-	42	59	5	-	-	5	1	37
Delaware-----	1	1	-	-	-	-	-	-	-	-	-	-	-
Maryland-----	12	6	-	1	-	2	6	1	-	-	-	-	-
District of Columbia-----	1	8	-	-	-	-	-	-	-	-	-	-	-
Virginia-----	17	72	-	-	-	21	15	2	-	-	1	-	3
West Virginia-----	24	43	-	-	-	1	-	-	-	-	-	-	4
North Carolina-----	39	29	-	-	-	5	1	1	-	-	3	-	13
South Carolina-----	5	3	-	-	-	-	3	1	-	-	1	-	7
Georgia-----	2	29	-	3	-	7	34	-	-	-	-	-	10
Florida-----	-	18	-	-	-	6	-	-	-	-	-	1	-
EAST SOUTH CENTRAL-----	40	101	-	1	4	23	8	1	-	-	1	-	16
Kentucky-----	2	22	-	-	-	1	2	-	-	-	-	-	5
Tennessee-----	14	10	-	-	1	14	-	-	-	-	-	-	6
Alabama-----	24	41	-	-	3	7	5	-	-	*	-	-	-
Mississippi-----	-	28	-	1	-	1	1	1	-	-	1	-	5
WEST SOUTH CENTRAL-----	322	551	-	5	1	5	33	2	-	1	7	-	22
Arkansas-----	25	52	-	1	-	4	10	-	-	-	2	-	1
Louisiana-----	2	8	-	-	-	-	15	-	-	-	-	-	-
Oklahoma-----	12	30	-	2	-	1	-	1	-	1	-	-	4
Texas-----	283	443	-	2	1	-	8	1	-	*	5	-	17
MOUNTAIN-----	69	127	-	-	-	4	14	4	-	-	-	-	-
Montana-----	-	7	-	-	-	-	-	-	-	-	-	-	-
Idaho-----	8	5	-	-	-	1	-	3	-	-	-	-	-
Wyoming-----	-	2	-	-	-	-	1	-	-	-	-	-	-
Colorado-----	18	28	-	-	-	1	10	1	-	-	-	-	-
New Mexico-----	3	14	-	-	-	1	-	-	-	-	-	-	-
Arizona-----	40	62	-	-	-	-	1	-	-	-	-	-	-
Utah-----	-	8	-	-	-	1	2	-	-	-	-	-	-
Nevada-----	-	1	-	-	-	-	-	-	-	-	-	-	-
PACIFIC-----	82	82	-	6	-	13	21	1	-	1	-	-	5
Washington-----	1	24	-	4	-	-	1	-	-	-	-	-	-
Oregon-----	11	8	-	1	-	-	1	1	-	1	-	-	-
California-----	70	50	-	1	-	13	19	-	-	-	-	-	5

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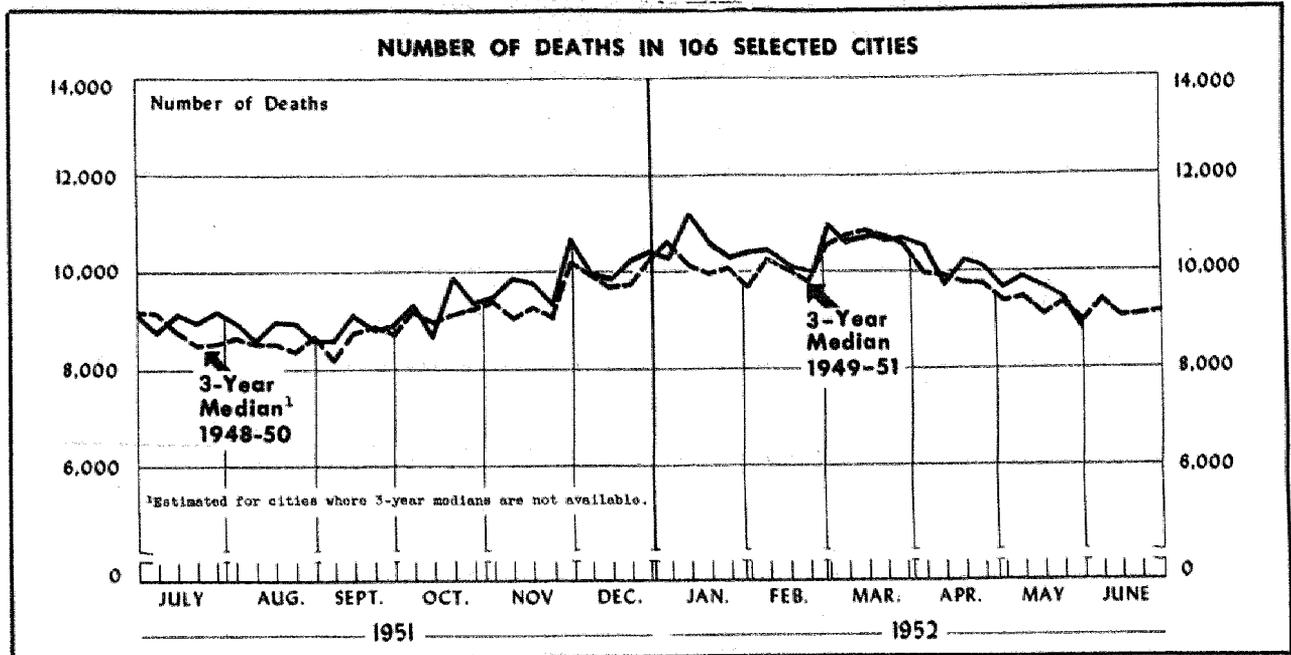
**Table 3.—CASES OF SPECIFIED DISEASES: SELECTED CITIES FOR WEEK ENDED  
MAY 31, 1952**

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

AREA	Brucellosis (undulant fever) (044)	Diphtheria (055)	Encephalitis, acute infectious (082)	Hepatitis, infectious, and serum (082, N998.5 pt.)	Measles (085)	Meningococcal infections (057)	Poliovirus, acute (080)	Rocky Mountain spotted fever (104A)	Scarlet fever and streptococcal sore throat (050,051)	Trichiniasis (128)	Tularemia (059)	Typhoid fever (040)	Typhus fever, endemic (101)	Whooping cough (056)	Rabies in animals	
<b>TOTAL: 99 cities--</b>	4	8	5	44	5,446	26	34	1	557	5	-	9	-	121	10	
<b>NEW ENGLAND</b>																
Boston-----		1			102	1			13							
Bridgeport-----					3				9							5
Cambridge-----					8				8							
Fall River-----					1											
Hartford-----					6				2							1
Lowell-----					16				2							
Lynn-----					86				2							
New Bedford-----					159				3							
New Haven-----					24				2							
Portland, Me.-----				1	42				8							1
Providence-----					6				3							
Scamerville-----					6				4							
Springfield, Mass.-----					2				10			1				
Waterbury-----					57				2							
Worcester-----				3		1										
<b>MIDDLE ATLANTIC</b>																
Albany-----																
Buffalo-----					3	8			2							
Camden-----					1	65			4							
Elizabeth-----					41	44			3							
Erie-----					211	1			5							
Jersey City-----					882	2			126		2					
Newark, N. J.-----					119		3		14							
New York City-----		1	3	1	95	3			14							
Patercon-----					9				7							
Philadelphia-----		1			26				1							
Pittsburgh-----					3				56							
Reading-----					11				12							
Rochester, N. Y.-----					91				13							
Schenectady-----					33											
Syracuse-----					23											
Trenton-----	1															
Utica-----																
Yonkers-----									2							
<b>EAST NORTH CENTRAL</b>																
Akron-----																
Canton-----					11				4							
Chicago-----					1	446			33							5
Cincinnati-----					13	1		1	12							1
Cleveland-----					3	281										7
Columbus-----					17				5			1				4
Dayton-----												1				
Detroit-----																
Evansville-----					6				2							
Flint-----									5							
Fort Wayne-----																
Grand Rapids-----					35				7							
Indianapolis-----					121				3							1
Milwaukee-----					905				17							5
Peoria-----					2				2							
South Bend-----									1							
Toledo-----																
Youngstown-----					23				1							
<b>WEST NORTH CENTRAL</b>																
Des Moines-----					9				2							
Duluth-----		1							2							
Kansas City, Kans.-----																
Kansas City, Mo.-----					2	44			4							4
Minneapolis-----					3	155			10							1
Omaha-----																
St. Louis-----					10	5		2	2							1
St. Paul-----					1	17			4							1
Wichita-----						39			1							



Provisional Statistics for Deaths in Selected Cities for Week Ended  
May 31, 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	22d week ended May 31, 1952	21st week ended May 24, 1952	22d week median 1949-51	Percentage difference between current week and median	CUMULATIVE NUMBER FOR FIRST 22 WEEKS		
					1952	1951	Percentage difference
TOTAL: 104 REPORTING CITIES-----	8,601	9,316	8,855	-2.9	221,645	222,019	-0.2
New England----- (14 cities)	622	639	614	+1.3	15,334	15,825	-3.1
Middle Atlantic----- (17 cities)	2,679	2,883	2,704	-0.9	67,867	68,674	-1.2
East North Central----- (18 cities)	2,000	2,078	2,028	-1.4	48,730	49,863	-2.3
West North Central----- (7 cities)	464	538	538	-13.8	13,152	12,795	+2.8
South Atlantic----- (9 cities)	644	764	702	-8.3	17,456	16,574	+5.3
East South Central----- (7 cities)	362	376	374	-3.2	9,471	9,550	-0.8
West South Central----- (13 cities)	632	656	675	-6.4	16,562	16,478	+0.5
Mountain----- (7 cities)	210	220	181	+16.0	4,996	4,640	+7.7
Pacific----- (12 cities)	988	1,162	989	-0.1	28,077	27,614	+1.7

## Weekly Mortality Report

Table 5.—DEATHS IN SELECTED CITIES FOR WEEK ENDED

May 31, 1952

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

CITY	22d week ended May 31, 1952	21st week ended May 24, 1952	CUMULATIVE NUMBER FOR FIRST 22 WEEKS		CITY	22d week ended May 31, 1952	21st week ended May 24, 1952	CUMULATIVE NUMBER FOR FIRST 22 WEEKS	
			1952	1951				1952	1951
<b>NEW ENGLAND</b>					<b>WEST NORTH CENTRAL—Con.</b>				
Boston-----	233	231	5,247	5,312	St. Paul-----	49	62	1,407	1,409
Bridgeport-----	43	33	793	771	Wichita-----	33	42	880	884
Cambridge-----	25	29	697	736	<b>SOUTH ATLANTIC</b>				
Fall River-----	27	29	651	704	Atlanta-----	80	89	2,214	1,874
Hartford-----	34	41	989	1,015	Baltimore-----	212	257	5,323	5,080
Lowell-----	22	18	563	664	Charlotte-----	28	15	600	624
Lynn-----	19	22	512	496	Miami-----	43	47	1,226	1,238
New Bedford-----	12	21	519	559	Norfolk-----	36	27	681	708
New Haven-----	32	31	975	999	Richmond-----	49	62	1,536	1,417
Providence-----	57	54	1,425	1,530	Tampa-----	44	44	1,325	1,105
Somerville-----	12	18	361	406	Washington, D. C.-----	126	185	3,821	3,818
Springfield, Mass.-----	34	32	845	895	Wilmington, Del.-----	26	38	730	710
Waterbury-----	19	22	535	543	<b>EAST SOUTH CENTRAL</b>				
Worcester-----	54	58	1,234	1,206	Birmingham-----	57	52	1,506	1,651
<b>MIDDLE ATLANTIC</b>					Birmingham-----	48	29	1,028	1,034
Albany-----	31	32	911	955	Chattanooga-----	22	37	758	760
Buffalo-----	136	111	3,149	3,323	Knorrville-----	82	80	2,209	2,130
Camden-----	41	37	832	785	Louisville-----	94	102	2,121	2,079
Elizabeth-----	25	30	686	692	Memphis-----	22	31	705	705
Eric-----	27	32	728	758	Mobile-----	(24)	(32)	(542)	(607)
Jersey City-----	59	64	1,648	1,624	Montgomery-----	37	45	1,164	1,191
Newark, N. J.-----	74	108	2,431	2,320	Nashville-----	19	14	519	556
New York City-----	1,403	1,530	35,715	35,613	Austin-----	9	22	348	339
Patercon-----	27	40	909	864	Baton Rouge-----	11	11	371	292
Philadelphia-----	418	459	10,740	11,705	Corpus Christi-----	84	85	1,984	1,908
Pittsburgh-----	179	171	3,995	3,959	Dallas-----	13	15	563	665
Rochester, N. Y.-----	90	90	2,101	2,071	El Paso-----	62	44	1,188	1,169
Schenectady-----	21	18	517	496	Fort Worth-----	118	108	2,589	2,475
Syracuse-----	53	55	1,188	1,141	Houston-----	40	37	1,056	939
Trenton-----	38	40	1,005	1,026	Little Rock-----	110	147	3,412	3,461
Utica-----	38	37	682	718	New Orleans-----	46	42	1,166	1,183
Yonkers-----	19	31	652	624	Oklahoma City-----	67	72	1,677	1,806
<b>EAST NORTH CENTRAL</b>					San Antonio-----	36	31	854	859
Akron-----	56	62	1,233	1,151	Shreveport-----	17	28	835	826
Canton-----	16	24	623	620	Tulsa-----	19	22	547	555
Chicago-----	720	704	16,065	16,715	Albuquerque-----	9	9	267	236
Cincinnati-----	131	125	3,241	3,381	Colorado Springs-----	101	105	2,321	2,157
Cleveland-----	187	208	4,657	4,788	Denver-----	17	14	288	243
Columbus-----	90	73	2,267	2,201	Ogden-----	17	20	471	407
Dayton-----	58	46	1,350	1,331	Phoenix-----	14	11	224	205
Detroit-----	264	312	6,773	7,305	Pueblo-----	33	39	878	837
Evansville-----	35	30	739	708	Salt Lake City-----	(3)	(5)	(126)	(126)
Flint-----	25	28	741	709	Tucson-----	19	22	547	555
Fort Wayne-----	36	22	673	721	Berkeley-----	36	37	1,043	1,025
Grand Rapids-----	29	40	850	892	Long Beach-----	370	412	10,245	9,949
Indianapolis-----	74	95	2,504	2,466	Los Angeles-----	89	93	2,254	2,102
Milwaukee-----	125	118	2,723	2,520	Oakland-----	30	25	709	712
Peoria-----	24	29	685	696	Pasadena-----	79	117	2,221	2,248
South Bend-----	19	18	518	583	Portland, Oreg.-----	36	41	1,030	981
Toledo-----	77	84	2,018	2,126	Sacramento-----	54	80	1,659	1,472
Youngstown-----	34	60	1,070	956	San Diego-----	129	175	4,250	4,392
<b>WEST NORTH CENTRAL</b>					San Francisco-----	87	102	2,551	2,618
Des Moines-----	31	46	1,131	1,044	Seattle-----	31	35	907	916
Duluth-----	29	26	567	559	Tacoma-----	28	24	781	809
Kansas City, Kans.-----	---	(40)	---	(851)	Honolulu-----	(30)	(30)	(726)	(685)
Kansas City, Mo.-----	85	107	2,556	2,427					
Minneapolis-----	---	(92)	---	(2,535)					
Omaha-----	61	49	1,416	1,260					
St. Louis-----	176	208	5,195	5,212					

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