

Morbidity and Mortality

Weekly
Report

PUBLIC HEALTH SERVICE

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

Prepared by the

COMMUNICABLE DISEASE CENTER

MEIrose 4-5131

For release January 13, 1961

Atlanta 22, Georgia

Vol. 10, No. 1

Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended January 7, 1961

With the production of this issue of the Morbidity and Mortality weekly Report, the Communicable Disease Center has assumed responsibility for the collection and publication of data on notifiable diseases reported by the States and Puerto Rico and deaths reported by 123 major cities.

The Center welcomes the addition of this important function. We believe the closer current contact with those reporting morbidity and mortality data will better permit us more rapidly and successfully to carry out our primary role of providing consultation and assistance to the States when communicable disease problems occur.

The collection of morbidity data by the Public Health Service had its beginning more than 80 years ago when Congress authorized the compilation and publication of data on cholera, smallpox, plague and yellow fever. Prior to 1900, however, monthly and annual summaries of notifiable diseases were received from only a few States and cities. The number of States reporting gradually increased and in 1912, the Tenth Annual Conference of State and Territorial Health Authorities recommended weekly telegraphic reporting for selected communicable diseases. Until 1949, the weekly morbidity and mortality statistics were published in Public Health Reports. In 1949 this

Table 1. Cases of Specified Notifiable Diseases: United States

(Cumulative totals include revised and delayed reports through previous week)

Disease (Seventh Revision of International Lists, 1955)	1st Week			Cumulative						Approximate seasonal low point
	Ended Jan. 7, 1961	Ended Jan. 9, 1960	Median 1956-60	First week		Since seasonal low week				
				1961	1960	Median 1956-60	1960-61	1959-60	Median 1955-56 to 1959-60	
* Weekly incidence low or sporadic										
--- Data not available										
- Quantity zero										
Anthrax-----062	-	-	*	-	-	*	*	*	*	*
Botulism-----049.1	-	3	*	-	3	*	*	*	*	*
Brucellosis (undulant fever)-----044	9	10	10	9	10	10	*	*	*	*
Diphtheria-----055	20	31	24	20	31	24	600	569	779	July 1
Encephalitis, infectious-----082	25	23	20	25	23	20	25	23	20	Jan. 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	1,014	594	385	1,014	594	385	16,189	8,614	5,475	Sept. 1
Malaria-----110-117	1	1	*	1	1	*	*	*	*	*
Measles-----085	6,261	7,076	6,650	6,261	7,076	6,650	42,308	45,148	43,319	Sept. 1
Meningitis, aseptic-----340 pt.	25	30	---	25	30	---	25	30	---	Jan. 1
Meningococcal infections-----057	37	36	54	37	36	54	691	686	860	Sept. 1
Poliomyelitis-----080	14	17	29	14	17	29	3,078	8,291	8,291	Apr. 1
Paralytic-----080.0,080.1	8	12	17	8	12	17	2,117	5,513	5,513	Apr. 1
Nonparalytic-----080.2	3	1	7	3	1	7	624	2,118	2,118	Apr. 1
Unspecified-----080.3	3	4	5	3	4	5	337	660	660	Apr. 1
Psittacosis-----096.2	1	1	*	1	1	*	*	*	*	*
Rabies in man-----094	-	-	*	-	-	*	*	*	*	*
Streptococcal sore throat, including scarlet fever-----050,051	7,596	6,977	---	7,596	6,977	---	105,248	---	---	Aug. 1
Typhoid fever-----040	6	6	13	6	6	13	692	732	1,023	Apr. 1
Typhus fever, endemic-----101	1	-	*	1	-	*	*	*	*	*
Rabies in animals-----	42	67	86	42	67	86	612	1,051	1,035	Oct. 1

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function was transferred to the National Office of Vital Statistics and the *Morbidity and Mortality Weekly Report* became an independent publication growing to a current circulation of over 6,000 copies. Prepared under the able direction of Dr. Carl Dauer, this report has been a valuable aid in the fight against communicable disease.

We look forward to the continued improvement and development of this report so that it may be of greatest usefulness to all concerned with the problem of communicable disease control.

SUMMARY

Poliomyelitis – Eight paralytic cases were reported this week, four of which were delayed reports from Pennsylvania. Single cases were reported from Ohio, Virginia, North Carolina and Louisiana. Total and paralytic poliomyelitis cases are showing the customary seasonal decline.

Diphtheria – Texas reported 14 of the 20 current cases. A major outbreak in Hale County (see Epidemiological Reports) and other scattered occurrences including 6 cases and 2 deaths in Gonzalez have resulted in 110 cases being reported by Texas during the past 4 weeks. Some of the 110 reported cases represent asymptomatic carriers.

Hepatitis – A total of 1,014 cases were reported this week. During the four week period ending January 7, 1961, there has been an 85% increase in reported cases over the comparable four week period one year ago.

Influenza – To this date there have been no reports of outbreaks of influenza nor of an unusual incidence of respiratory disease. Pneumonia and influenza deaths reported from the 123 cities are at normal levels for this season of the year.

In view of the epidemic of A₂ strain influenza in the United States during the first three months of 1960, it is not expected that type A influenza will occur this year in the form of a nation-wide epidemic. Localized outbreaks or concentrations of cases of either Influenza A or B, however, may occur during the coming winter season.

Prompted by an analysis of excess influenza associated mortality during the past three years, the Public Health Service has encouraged routine, annual immunization against influenza among certain high-risk groups in order to prevent or reduce influenza-associated excess mortality. These high-risk groups include (1) persons with associated chronic illness, (2) individuals over 65 years of age, and (3) pregnant women.

With the exception of diphtheria and hepatitis, no unusual disease patterns are evident in this report for the week ending January 7, 1961.

EPIDEMIOLOGICAL REPORTS

Hepatitis - New Jersey

A report has been received from Dr. William J. Dougherty, Director, Preventable Disease Control, New Jersey State Department of Health, describing an unusual series of hepatitis cases among the patients of a single osteopathic physician practicing psychiatry who employed a great variety of oral and parenteral medications in his practice. A thorough epidemiological investigation has identified 36 possible cases and 14 fatalities.

The State Health Department learned of the problem late in October 1960, when Dr. William D. Schrack, Director, Communicable Disease Control, Pennsylvania Department of Health, reported a comatose patient and two deaths due to hepatitis, all patients of a New Jersey physician. Subsequent investigation showed the existence of 12 additional deaths probably due to acute liver disease also among this doctor's patients. Many of the deaths had similar histories of short, 3-7 day prodromata, with malaise, anorexia, and upper respiratory symptoms, followed by the abrupt onset of jaundice, coma, deterioration, and death. This picture was felt to be consistent with a fulminant viral hepatitis or a hepatotoxin.

The following tables present the age and time distribution of cases and deaths.

Month 1960	Total Cases	No. of Deaths	Age	Total Cases	Deaths
Jan-Feb	1	0	11 - 20	1	1
Mar-Apr	0	0	21 - 30	7	2
May-June	2	0	31 - 40	12	5
July-Aug	7	3	41 - 50	10	3
Sept-Oct	18	6	51 - 60	3	3
Nov-Dec	8	5	61 - 70	1	0
			Unknown	2	0
Total	36	14	Total	36	14

Only 1 case had its onset in December. The cases were almost equally divided among the sexes. Of the deaths, however, 10 were females and only 4 males. Many cases have now apparently recovered.

The common factor in this outbreak was a history of having received parenteral therapy from the doctor a sufficient length of time prior to the onset of the disease to have incubated serum hepatitis. Pathological material from each of the 14 fatalities was considered by a recognized authority on hepatopathology to be consistent with viral hepatitis.

All evidence thus far accumulated strongly supports the diagnosis of serum hepatitis among cases and deaths. The precise route of transmission is still under investigation.

Continued on page 8.

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED JANUARY 9, 1960 AND JANUARY 7, 1961 - Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Diphtheria 055				Encephalitis, infectious		Hepatitis, infectious, and serum 082, N998.5 pt.				Measles	
	1st Week		Cumulative, first week		082		1st Week		Cumulative, first week		085	
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960
UNITED STATES-----	20	31	20	31	25	23	1,014	594	1,014	594	6,261	7,076
NEW ENGLAND-----	-	-	-	-	1	-	29	18	29	18	451	539
Maine-----	-	-	-	-	-	-	4	-	4	-	18	128
New Hampshire-----	-	-	-	-	-	-	2	-	2	-	25	2
Vermont-----	-	-	-	-	-	-	3	-	3	-	17	-
Massachusetts-----	-	-	-	-	1	-	9	13	9	13	268	355
Rhode Island-----	-	-	-	-	-	-	3	3	3	3	102	21
Connecticut-----	-	-	-	-	-	-	8	2	8	2	21	33
MIDDLE ATLANTIC-----	-	-	-	-	2	7	85	43	85	43	1,312	581
New York-----	-	-	-	-	2	-	48	19	48	19	683	514
New Jersey-----	-	-	-	-	-	-	4	2	4	2	117	23
Pennsylvania-----	-	-	-	-	-	7	33	22	33	22	512	44
EAST NORTH CENTRAL-----	-	1	-	1	4	-	229	91	229	91	1,819	1,766
Ohio-----	-	1	-	1	-	-	131	14	131	14	280	152
Indiana-----	-	-	-	-	-	-	11	1	11	1	100	124
Illinois-----	-	-	-	-	3	-	25	25	25	25	214	751
Michigan-----	-	-	-	-	1	-	56	39	56	39	215	329
Wisconsin-----	-	-	-	-	-	-	6	12	6	12	1,010	410
WEST NORTH CENTRAL-----	1	4	1	4	2	2	83	58	83	58	257	104
Minnesota-----	1	2	1	2	-	1	19	6	19	6	5	40
Iowa-----	-	-	-	-	-	-	10	8	10	8	18	6
Missouri-----	-	-	-	-	2	-	15	21	15	21	93	4
North Dakota-----	-	1	-	1	-	1	2	5	2	5	134	51
South Dakota-----	-	-	-	-	-	-	4	6	4	6	1	1
Nebraska-----	-	-	-	-	-	-	21	5	21	5	6	2
Kansas-----	-	1	-	1	-	-	12	7	12	7	NN	NN
SOUTH ATLANTIC-----	3	8	3	8	6	2	122	62	122	62	853	302
Delaware-----	-	-	-	-	-	-	10	5	10	5	71	4
Maryland-----	-	-	-	-	-	1	14	10	14	10	19	67
District of Columbia-----	-	-	-	-	-	-	-	-	-	-	1	18
Virginia-----	-	4	-	4	3	1	17	18	17	18	322	142
West Virginia-----	1	-	1	-	-	-	34	18	34	18	88	10
North Carolina-----	-	-	-	-	-	-	10	2	10	2	72	21
South Carolina-----	-	3	-	3	-	-	21	-	21	-	210	3
Georgia-----	1	1	1	1	-	-	2	1	2	1	-	1
Florida-----	1	-	1	-	3	-	14	8	14	8	70	36
EAST SOUTH CENTRAL-----	2	3	2	3	-	-	202	101	202	101	660	322
Kentucky-----	1	-	1	-	-	-	83	49	83	49	505	188
Tennessee-----	1	1	1	1	-	-	73	37	73	37	129	132
Alabama-----	-	2	-	2	-	-	37	12	37	12	23	2
Mississippi-----	-	-	-	-	-	-	9	3	9	3	3	-
WEST SOUTH CENTRAL-----	14	5	14	5	2	3	52	55	52	55	177	1,558
Arkansas-----	-	-	-	-	-	-	3	5	3	5	2	-
Louisiana-----	-	-	-	-	-	-	1	-	1	-	-	-
Oklahoma-----	-	-	-	-	-	-	-	6	-	6	1	18
Texas-----	14	5	14	5	2	3	48	44	48	44	174	1,540
MOUNTAIN-----	-	10	-	10	1	-	63	70	63	70	291	692
Montana-----	-	-	-	-	-	-	9	4	9	4	42	76
Idaho-----	-	9	-	9	-	-	6	6	6	6	49	138
Wyoming-----	-	-	-	-	-	-	1	-	1	-	10	167
Colorado-----	-	-	-	-	-	-	27	14	27	14	62	27
New Mexico-----	-	-	-	-	-	-	2	26	2	26	-	-
Arizona-----	-	-	-	-	1	-	4	15	4	15	88	43
Utah-----	-	1	-	1	-	-	12	5	12	5	18	241
Nevada-----	-	-	-	-	-	-	2	-	2	-	22	-
PACIFIC-----	-	-	-	-	7	9	149	96	149	96	441	1,212
Washington-----	-	-	-	-	-	-	3	3	3	3	68	309
Oregon-----	-	-	-	-	-	-	29	20	29	20	77	156
California-----	-	-	-	-	7	9	117	69	117	69	271	179
Alaska-----	-	-	-	-	-	-	-	2	-	2	25	81
Hawaii-----	-	-	-	-	-	-	-	2	-	2	-	487
Puerto Rico-----	-	-	-	-	-	-	-	-	-	-	42	14

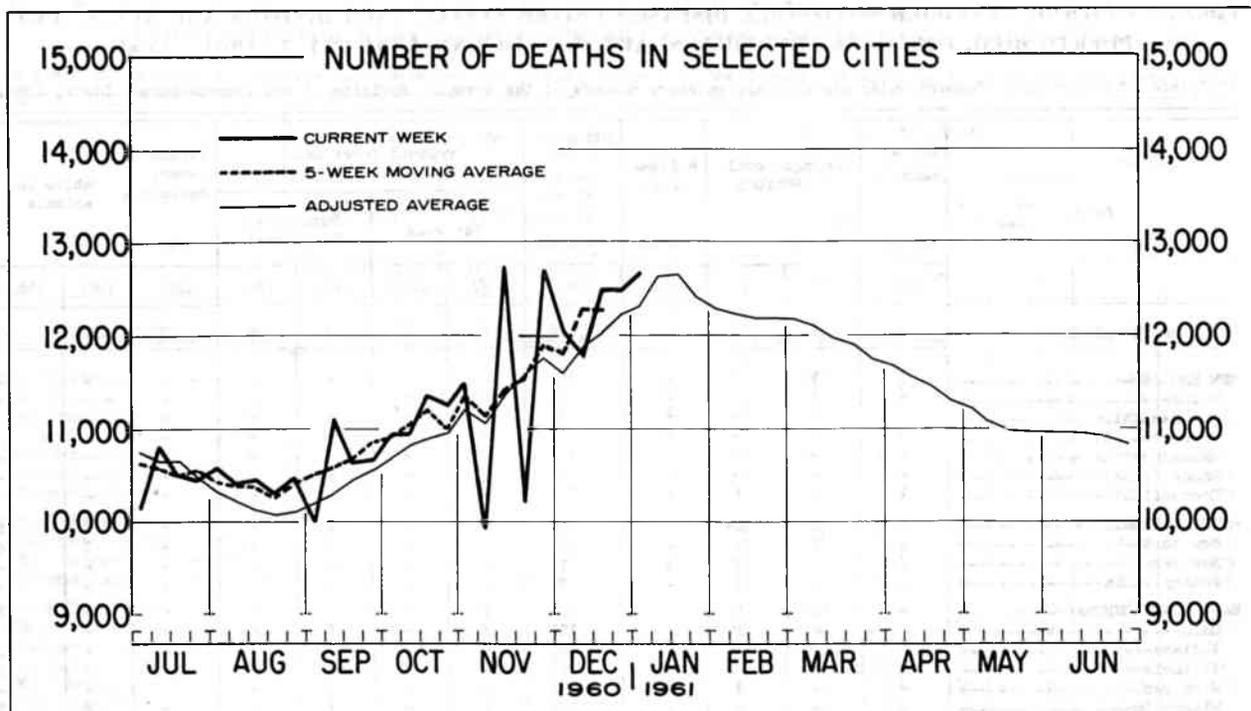
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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED JANUARY 9, 1960 AND JANUARY 7, 1961 - Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Malaria	Meningococcal infections		Psittacosis	Streptococcal sore throat, etc.	Typhoid fever 040				Typhus fever, endemic	Rabies in animals	
	110-117	057		096.2	050,051	1st Week		Cumulative, first week		101	1961	1960
	1961	1961	1960	1961	1961	1961	1960	1961	1960	1961	1961	1960
UNITED STATES-----	1	37	36	1	7,596	6	6	6	6	1	42	67
NEW ENGLAND-----	1	1	1	-	357	-	-	-	-	-	-	-
Maine-----	-	1	-	-	23	-	-	-	-	-	-	-
New Hampshire-----	-	-	-	-	12	-	-	-	-	-	-	-
Vermont-----	-	-	-	-	3	-	-	-	-	-	-	-
Massachusetts-----	-	-	-	-	131	-	-	-	-	-	-	-
Rhode Island-----	-	-	-	-	17	-	-	-	-	-	-	-
Connecticut-----	1	-	1	-	171	-	-	-	-	-	-	-
MIDDLE ATLANTIC-----	-	2	10	-	341	1	-	1	-	-	2	6
New York-----	-	2	5	-	272	1	-	1	-	-	2	6
New Jersey-----	-	-	1	-	17	-	-	-	-	-	-	-
Pennsylvania-----	-	-	4	-	52	-	-	-	-	-	-	-
EAST NORTH CENTRAL-----	-	10	6	-	666	2	-	2	-	-	2	7
Ohio-----	-	4	1	-	154	1	-	1	-	-	-	2
Indiana-----	-	-	-	-	100	-	-	-	-	-	-	2
Illinois-----	-	-	4	-	71	-	-	-	-	-	-	1
Michigan-----	-	6	1	-	185	-	-	-	-	-	-	-
Wisconsin-----	-	-	-	-	156	1	-	1	-	-	2	2
WEST NORTH CENTRAL-----	-	3	3	-	211	-	-	-	-	-	10	13
Minnesota-----	-	1	2	-	8	-	-	-	-	-	-	3
Iowa-----	-	-	-	-	33	-	-	-	-	-	6	4
Missouri-----	-	-	-	-	9	-	-	-	-	-	3	6
North Dakota-----	-	-	-	-	138	-	-	-	-	-	-	-
South Dakota-----	-	-	-	-	-	-	-	-	-	-	-	-
Nebraska-----	-	1	-	-	-	-	-	-	-	-	1	-
Kansas-----	-	1	1	-	23	-	-	-	-	-	-	-
SOUTH ATLANTIC-----	-	6	4	-	504	-	2	-	2	-	4	9
Delaware-----	-	-	-	-	3	-	-	-	-	-	-	-
Maryland-----	-	-	-	-	5	-	-	-	-	-	-	-
District of Columbia-----	-	1	-	-	3	-	-	-	-	-	-	-
Virginia-----	-	2	3	-	141	-	-	-	-	-	2	4
West Virginia-----	-	-	-	-	158	-	-	-	-	-	-	2
North Carolina-----	-	-	-	-	17	-	2	-	2	-	-	3
South Carolina-----	-	-	-	-	43	-	-	-	-	-	-	-
Georgia-----	-	-	-	-	-	-	-	-	-	-	-	-
Florida-----	-	3	1	-	134	-	-	-	-	-	2	-
EAST SOUTH CENTRAL-----	-	6	4	-	1,621	-	2	-	2	-	4	7
Kentucky-----	-	2	-	-	342	-	-	-	-	-	-	3
Tennessee-----	-	2	2	-	1,230	-	2	-	2	-	4	3
Alabama-----	-	2	1	-	42	-	-	-	-	-	-	1
Mississippi-----	-	-	1	-	7	-	-	-	-	-	-	-
WEST SOUTH CENTRAL-----	-	2	1	-	1,301	1	2	1	2	1	14	20
Arkansas-----	-	-	-	-	-	-	-	-	-	-	7	9
Louisiana-----	-	-	-	-	8	-	-	-	-	-	1	1
Oklahoma-----	-	-	-	-	35	-	-	-	-	-	-	-
Texas-----	-	2	1	-	1,258	1	2	1	2	1	6	10
MOUNTAIN-----	-	2	1	-	1,699	1	-	1	-	-	4	-
Montana-----	-	-	-	-	105	1	-	1	-	-	-	-
Idaho-----	-	-	-	-	147	-	-	-	-	-	-	-
Wyoming-----	-	-	-	-	8	-	-	-	-	-	-	-
Colorado-----	-	-	-	-	454	-	-	-	-	-	-	-
New Mexico-----	-	-	-	-	378	-	-	-	-	-	4	-
Arizona-----	-	1	1	-	188	-	-	-	-	-	-	-
Utah-----	-	-	-	-	378	-	-	-	-	-	-	-
Nevada-----	-	1	-	-	41	-	-	-	-	-	-	-
PACIFIC-----	-	5	6	1	896	1	-	1	-	-	2	5
Washington-----	-	-	1	-	230	-	-	-	-	-	-	-
Oregon-----	-	-	-	1	52	-	-	-	-	-	-	-
California-----	-	5	5	-	614	1	-	1	-	-	2	5
Alaska-----	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii-----	-	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico-----	-	-	-	-	-	-	1	-	1	-	-	-

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The chart shows the number of deaths reported for 117 major cities of the United States by week for the current year, a 5-week moving average of these figures plotted at the central week, and an adjusted average for comparison. For each region the adjusted average was computed as follows: From the total deaths reported each week for the years 1956-1960, 3 central figures were selected by eliminating the highest and lowest figure reported for that week. A 5-week moving average of the arithmetic mean of the 3 central figures was then computed with adjustment to allow for population growth in each region. The average value of the regional increases was 2 percent which was incorporated in the adjusted average shown in the chart.

Table 4 shows the number of death certificates re-

ceived during the week indicated for deaths that occurred in selected cities. 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 and because of incomplete reporting due to holidays or vacations. If a report is not received from a city in time to be included in the total for the current week, an estimate is used.

The number of deaths in cities of the same size may also differ because of variations in the age, race, and sex composition of the 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. Data exclude figures shown in parentheses in table 4)

Area	1st week ended Jan. 7, 1961	52nd week ended Dec. 31, 1960	Adjusted average, 1st week 1956-60	Percent change, adjusted average to current week	Cumulative, first week		
					1961	1960	Percent change
TOTAL, 117 REPORTING CITIES	12,650	12,149	12,311	+2.8	12,650	13,287	-4.8
New England (14 cities)	778	842	753	+3.3	778	852	-8.7
Middle Atlantic (20 cities)	3,671	3,428	3,372	+8.9	3,671	3,559	+3.1
East North Central (21 cities)	2,714	2,707	2,640	+2.8	2,714	2,970	-8.6
West North Central (9 cities)	842	829	858	-1.9	842	841	+0.1
South Atlantic (11 cities)	1,186	1,033	1,068	+11.0	1,186	1,098	+8.0
East South Central (8 cities)	559	475	547	+2.2	559	665	-15.9
West South Central (13 cities)	1,051	1,021	1,126	-6.7	1,051	1,219	-13.8
Mountain (8 cities)	355	337	379	-6.3	355	418	-15.1
Pacific (13 cities)	1,494	1,477	1,568	-4.7	1,494	1,665	-10.3

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Table 4. DEATHS IN SELECTED CITIES

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

Area	1st week ended	52nd week ended	Cumulative, first week		Area	1st week ended	52nd week ended	Cumulative, first week	
	Jan. 7, 1961	Dec. 31, 1960	1961	1960		Jan. 7, 1961	Dec. 31, 1960	1961	1960
	NEW ENGLAND: Boston, Mass.----- 270 303 270 238 Bridgeport, Conn.----- 51 35 51 62 Cambridge, Mass.----- 32 29 32 42 Fall River, Mass.----- 28 30 28 28 Hartford, Conn.----- 41 45 41 50 Lowell, Mass.----- 34 29 34 18 Lynn, Mass.----- 35 28 35 35 New Bedford, Mass.----- 30 35 30 35 New Haven, Conn.----- 39 45 39 63 Providence, R.I.----- 72 71 72 97 Somerville, Mass.----- 13 19 13 14 Springfield, Mass.----- 42 52 42 54 Waterbury, Conn.----- 28 30 28 33 Worcester, Mass.----- 63 91 63 83 MIDDLE ATLANTIC: Albany, N.Y.----- 62 51 62 47 Allentown, Pa.----- 34 39 34 43 Buffalo, N.Y.----- 166 170 166 195 Camden, N.J.----- 45 51 45 52 Elizabeth, N.J.----- 31 36 31 33 Erie, Pa.----- 50 45 50 49 Jersey City, N.J.----- 112 76 112 96 Newark, N.J.----- 148 102 148 135 New York City, N.Y.----- 1,790 1,897 1,790 1,690 Paterson, N.J.----- 52 39 52 57 Philadelphia, Pa.----- 515 312 515 513 Pittsburgh, Pa.----- 232 189 232 251 Reading, Pa.----- 19 28 19 30 Rochester, N.Y.----- 126 117 126 120 Schenectady, N.Y.----- 29 43 29 30 Scranton, Pa.----- 40 50 40 51 Syracuse, N.Y.----- 79 81 79 72 Trenton, N.J.----- 52 53 52 28 Utica, N.Y.----- 48 23 48 42 Yonkers, N.Y.----- 41 26 41 25 EAST NORTH CENTRAL: Akron, Ohio----- 54 70 54 56 Canton, Ohio----- 30 40 30 44 Chicago, Ill.----- 785 854 785 968 Cincinnati, Ohio----- 181 153 181 167 Cleveland, Ohio----- 260 235 260 225 Columbus, Ohio----- 134 124 134 172 Dayton, Ohio----- 101 88 101 76 Detroit, Mich.----- 366 330 366 355 Evansville, Ind.----- 26 46 26 27 Flint, Mich.----- 49 43 49 50 Fort Wayne, Ind.----- 49 40 49 58 Gary, Ind.----- 35 35 35 49 Grand Rapids, Mich.----- 45 57 45 51 Indianapolis, Ind.----- 159 160 159 155 Madison, Wis.----- 39 31 39 30 Milwaukee, Wis.----- 149 128 149 151 Peoria, Ill.----- 37 35 37 37 Rockford, Ill.----- 23 36 23 44 South Bend, Ind.----- 37 35 37 44 Toledo, Ohio----- 102 104 102 137 Youngstown, Ohio----- 53 63 53 74 WEST NORTH CENTRAL: Des Moines, Iowa----- 35 50 35 62 Duluth, Minn.----- 35 24 35 24 Kansas City, Kans.----- 43 51 43 35 Kansas City, Mo.----- 165 120 165 75 Lincoln, Nebr.----- (61) (9) (61) (43) Minneapolis, Minn.----- 118 119 118 139 Omaha, Nebr.----- 66 77 66 86 WEST NORTH CENTRAL--Con.: St. Louis, Mo.----- 263 256 263 312 St. Paul, Minn.----- 77 63 77 84 Wichita, Kans.----- 40 69 40 24 SOUTH ATLANTIC: Atlanta, Ga.----- 122 122 122 121 Baltimore, Md.----- 295 258 295 234 Charlotte, N.C.----- 40 33 40 52 Jacksonville, Fla.----- 112 60 112 59 Miami, Fla.----- 64 86 64 74 Norfolk, Va.----- 58 45 58 56 Richmond, Va.----- 92 88 92 113 Savannah, Ga.----- 49 35 49 58 St. Petersburg, Fla.----- (104) (63) (104) (95) Tampa, Fla.----- 94 86 94 73 Washington, D.C.----- 208 187 208 195 Wilmington, Del.----- 52 33 52 63 EAST SOUTH CENTRAL: Birmingham, Ala.----- 100 67 100 130 Chattanooga, Tenn.----- 68 35 68 54 Knoxville, Tenn.----- 38 23 38 36 Louisville, Ky.----- 88 76 88 141 Memphis, Tenn.----- 122 109 122 124 Mobile, Ala.----- 47 45 47 49 Montgomery, Ala.----- 27 55 27 46 Nashville, Tenn.----- 69 65 69 85 WEST SOUTH CENTRAL: Austin, Tex.----- 33 35 33 29 Baton Rouge, La.----- 36 44 36 38 Corpus Christi, Tex.----- 23 17 23 18 Dallas, Tex.----- 127 138 127 113 El Paso, Tex.----- 45 40 45 54 Fort Worth, Tex.----- 52 60 52 43 Houston, Tex.----- 188 180 188 209 Little Rock, Ark.----- 55 40 55 88 New Orleans, La.----- 178 193 178 214 Oklahoma City, Okla.----- 87 85 87 88 San Antonio, Tex.----- 114 105 114 184 Shreveport, La.----- 34 51 34 68 Tulsa, Okla.----- 79 33 79 73 MOUNTAIN: Albuquerque, N. Mex.----- 34 33 34 40 Colorado Springs, Colo.----- 18 23 18 20 Denver, Colo.----- 101 88 101 138 Ogden, Utah----- 14 14 14 17 Phoenix, Ariz.----- 98 68 98 85 Pueblo, Colo.----- 12 16 12 13 Salt Lake City, Utah----- 38 44 38 82 Tucson, Ariz.----- 40 51 40 23 PACIFIC: Berkeley, Calif.----- 16 17 16 21 Fresno, Calif.----- (25) (45) (25) (42) Glendale, Calif.----- (30) (28) (30) (46) Honolulu, Hawaii----- 60 48 60 39 Long Beach, Calif.----- 52 52 52 54 Los Angeles, Calif.----- 536 557 536 547 Oakland, Calif.----- 107 105 107 102 Pasadena, Calif.----- 32 38 32 47 Portland, Oreg.----- 118 88 118 145 Sacramento, Calif.----- 71 65 71 89 San Diego, Calif.----- 65 68 65 116 San Francisco, Calif.----- 201 185 201 254 San Jose, Calif.----- (---) (38) (---) (29) Seattle, Wash.----- 139 149 139 154 Spokane, Wash.----- 54 46 54 43 Tacoma, Wash.----- 43 59 43 54 San Juan, P. R.----- (40) (27) (40) (---)								

() Figures shown in parenthesis are from cities which have been reporting less than five years and hence are not included in Table 3.

QUARANTINE MEASURES

Immunization Information for International TravelNo Changes Reported

SOURCE AND NATURE OF MORBIDITY DATA

These provisional data are based on reports to the Public Health Service from the health departments of each State and Puerto Rico. They give the total number of cases of certain communicable diseases reported during the week usually ended the preceding Saturday. Total figures for the United States and the Pacific Division include data for the States of Alaska and Hawaii. Cases of anthrax, botulism, and rabies in man are not shown in table 2, but a footnote to table 1 shows the States reporting these diseases. When diseases of rare occurrence are reported by a State (cholera, dengue, plague, louse-borne relapsing fever, smallpox, louse-borne epidemic typhus, and yellow fever) this is noted below table 1.

Diphtheria - Hale County, Texas

A follow-up on the diphtheria outbreak reported in Vol. 9, No. 51, has been received from Dr. Van Tipton, Chief, Communicable Disease Control, Texas State Board of Health.

A total of 60 cases, including one death, have occurred in Hale County since early November, with 56 cases localized in Plainview (population 18,000). The cases are concentrated in the lower socioeconomic Latin and Anglo-American children.

During the first two weeks in November, 9 cases occurred in children attending two elementary schools. Immunization programs in these schools seemed to contain the outbreak. However, during the week ending December 17, 14 cases were reported, 11 of them from one family. During the two following weeks 32 additional cases were reported in Plainview, with the last case having been reported January 1. Students from 5 additional schools were infected during this second phase of the outbreak.

In school and extensive public clinics, 8,800 immunizations have been given. Private physicians of the community have given about 12,000 additional immunizations. These large scale measures appear to have controlled the outbreak.

Ages of Plainview cases are as follows:

	0-4	5-9	10-14	15-19	20-29	Over 29
Cases	19	9	13	7	3	5

Immunization status of cases:

Status	No.
Fully immunized	0
Lapsed	6
Inadequate	8
No immunizations	42

A virulent *mitis* strain has been recovered from 14 of 19 isolates typed. In addition to the cases, 28 asymptomatic carriers in Plainview have been identified by culture.

U. S. DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE
Communicable Disease Center
Atlanta 22, Georgia
Official Business



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