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Morbidity and Mortality

Weekly
Report

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

Prepared by the COMMUNICABLE DISEASE CENTER MEIrose 4-5131

For release November 30, 1962 ATLANTA 22, GEORGIA Vol. 11, No. 47

PROVISIONAL INFORMATION ON SELECTED NOTIFIABLE DISEASES IN THE UNITED STATES AND ON DEATHS IN SELECTED CITIES FOR WEEK ENDED NOVEMBER 24, 1962

POLIOMYELITIS - The week ending November 24, 1962, brought reports of 19 cases of poliomyelitis (14 paralytic), totals almost identical to those noted the preceding week and similar to the 20 cases (10 paralytic) noted for the comparable week in 1961.

Twelve States reported cases this week, most cases representing delayed reports. Oklahoma and West Virginia each accounted for 3 cases. The cases from West Virginia represent delayed reporting of cases from the Type I outbreak in Boomer (pop. 2,091) and nearby Carbondale where a total of 10 cases of paralytic poliomyelitis has been noted among the Negro children in these communi-

ties. The cases from Oklahoma represent delayed reporting, with the last case having onset during the first week in November. No new case concentrations have been noted in the remaining States.

Reports of virologic studies have been received on 238 of the cases of paralytic poliomyelitis reported to the Poliomyelitis Surveillance Unit with onsets this year. These cases have yielded 204 poliovirus isolates, 155 Type I, 46 Type III, and 3 Type II. Of the Type I isolates, 69 have been reported from Texas, scene of several Type I outbreaks this summer.

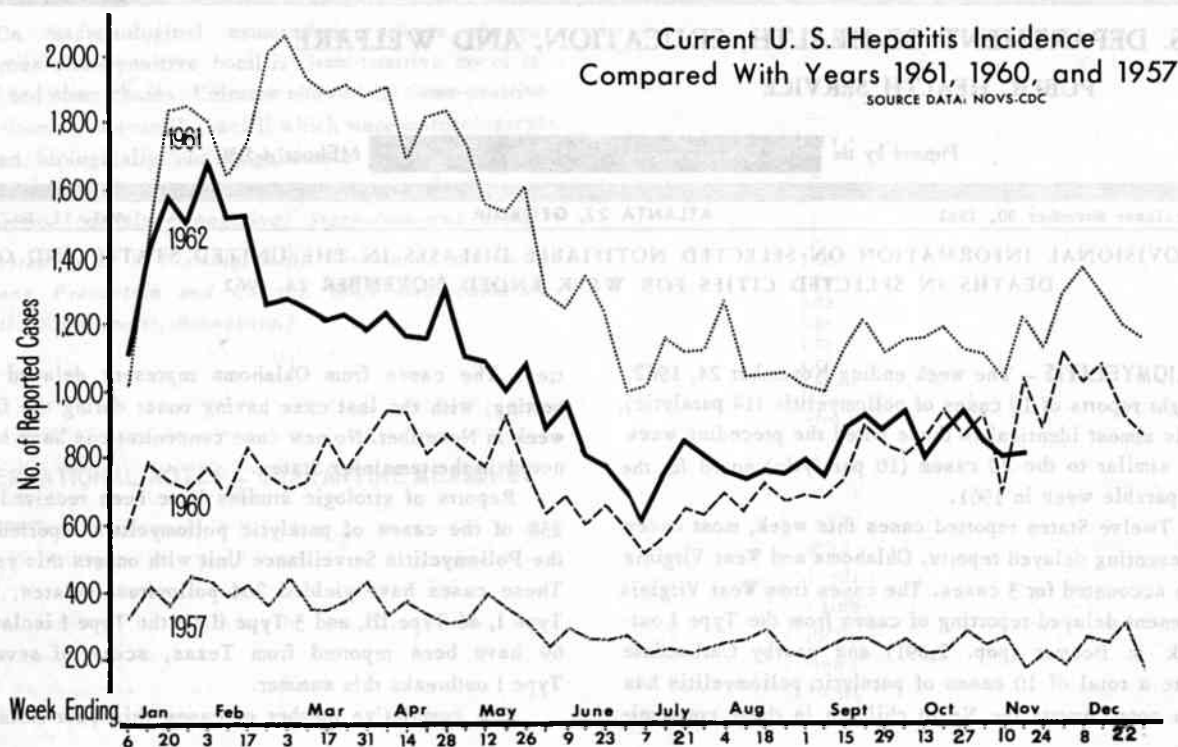
The cumulative number of cases this year remains

Table 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
(Cumulative totals include revised and delayed reports through previous week)

Disease	47th Week			Cumulative		
	Ended November 24, 1962	Ended November 25, 1961	Median 1957 - 1961	First 47 weeks		Median 1957 - 1961
				1962	1961	
Aseptic meningitis.....	39	34	---	2,347	2,975	---
Brucellosis	1	15	9	353	535	682
Diphtheria	14	8	28	413	514	758
Encephalitis, infectious	24	22	21	1,585	1,515	1,674
Hepatitis, infectious and serum...	781	1,139	456	48,818	66,281	20,266
Measles.....	2,460	2,183	2,320	458,216	401,998	409,863
Meningococcal infections.....	30	43	43	1,909	1,936	2,058
Poliomyelitis, total.....	19	20	59	811	1,262	5,579
Paralytic.....	14	10	43	643	822	2,804
Nonparalytic.....	2	6	10	116	302	1,934
Unspecified.....	3	4	6	52	138	841
Streptococcal sore throat and Scarlet fever	5,372	4,855	---	280,325	284,458	---
Tetanus	4	---	---	260	---	---
Tularemia	6	---	---	261	---	---
Typhoid fever	6	11	12	569	755	785
Typhus fever, tick-borne, (Rocky Mountain spotted).....	-	---	---	214	---	---
Rabies in Animals.....	28	69	65	3,309	3,118	3,514

Table 2. NOTIFIABLE DISEASES OF LOW FREQUENCY

Anthrax:	Psittacosis: Ill. - 1, Ohio - 1, Calif. - 1
Botulism:	Rabies in Man:
Malaria: Minn. - 1	Smallpox:
Plague:	Typhus, murine: Puerto Rico - 2



well below that for any previous years. Poliomyelitis incidence through the 47th week in 1962 and the preceding four years is shown below:

Poliomyelitis (1st through 47th Week) 1958-1962

	1962	1961	1960	1959	1958
Paralytic	643	822	2137	5387	2879
Total	811	1262	3065	8134	5655

HEPATITIS - The cases of hepatitis for the first ten months of 1962 are approximately 25% below the level of 1961. The accompanying graph shows the consistently lower level during 1962.

Nine States and the District of Columbia have experienced an increase in cases during 1962. Increases have been seen in the New England States of Maine, New Hampshire, and Massachusetts; in the Western States of Idaho, Oregon, and Washington; and also in Wisconsin, North Dakota, and Louisiana. The percent increases through October have ranged from 13% to 57% in these areas except for Maine where a five-fold increase has been seen.

An Analysis of Maine Hepatitis

The table (at right) shows the number of cases by county during each month from January through October 1962. From February through September 1962, the monthly variation in total cases was minimal and failed to show the

usual seasonal decline. More detailed analysis reveals that Androscoggin County in particular experienced an unusual upswing in hepatitis in the spring and summer at a time when some other counties showed the expected seasonal decrease.

The cases in the Lewiston-Auburn area in Androscoggin County occurred predominantly in school-age children in the poorer socio-economic area. This age selection and the prolonged duration of the outbreak indicate person-to-person transmission. There has been no evidence to suggest common source outbreaks.

The table indicates that a number of separate local outbreaks have occurred throughout Maine during the year.

MAINE HEPATITIS BY COUNTY AND MONTH, 1962

COUNTY	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Total
Androscoggin	6	7	8	19	22	16	17	16	30	40	181
Aroostook	1	1	3	3	—	3	1	2	—	—	22
Cumberland	12	—	10	4	2	8	3	6	15	47	107
Franklin	17	2	3	4	4	4	5	10	6	7	62
Hancock	13	1	3	3	1	1	2	—	—	1	25
Kennebec	2	1	2	2	2	4	4	2	2	6	27
Knox	18	12	8	5	11	12	1	3	1	2	73
Lincoln	—	1	—	2	—	—	—	3	—	—	6
Oxford	17	7	6	3	4	2	3	3	8	21	74
Penobscot	7	2	2	1	3	2	1	4	4	11	37
Piscataquis	—	—	—	—	—	—	—	—	2	—	2
Sagadahoc	—	—	—	1	—	—	1	—	—	—	2
Somerset	15	17	4	17	15	17	7	12	7	4	115
Waldo	1	—	6	12	9	7	7	6	3	5	56
Washington	—	1	2	1	—	1	2	1	—	5	13
York	3	2	1	3	—	—	—	4	1	4	18
TOTAL	112	54	58	80	73	77	54	72	87	153	820

The table below presents the annual total of reported hepatitis cases in Maine since 1952:

YEAR	TOTAL CASES	PERCENT 20 YEARS AND OLDER
1952	306	—
1953	725	—
1954	785	—
1955	399	—
1956	308	53.0
1957	240	45.7
1958	87	60.9
1959	96	54.1
1960	89	57.7
1961	215	47.4
1962*	820*	40.2*

* Preliminary figures for the first 10 months only.

Since 1956, there have been four years in which there were 200 or more cases. The percent of adults during these 4 years ranged from 40.2 to 53.0%, with an average of 46.6%. During 1962, in which the largest number of cases occurred, the percentage of adult cases was lowest. In the 3 "non-epidemic" years of 1958, 1959, and 1960, when there were fewer than 100 cases annually, adult cases represented from 54.1 to 60.9% of total cases, with

an average of 57.6%. It has been noted elsewhere in the country that a decrease in the proportion of adults is commonly seen as the total number of hepatitis cases rises.

(Reported by Dr. Dean Fisher, Commissioner Department of Health and Welfare and Mrs. Margaret H. Oakes, Assistant to the Director, Division of Communicable Disease Control, State of Maine.)

EPIDEMIOLOGICAL REPORT

Acute Respiratory Disease — Indiana

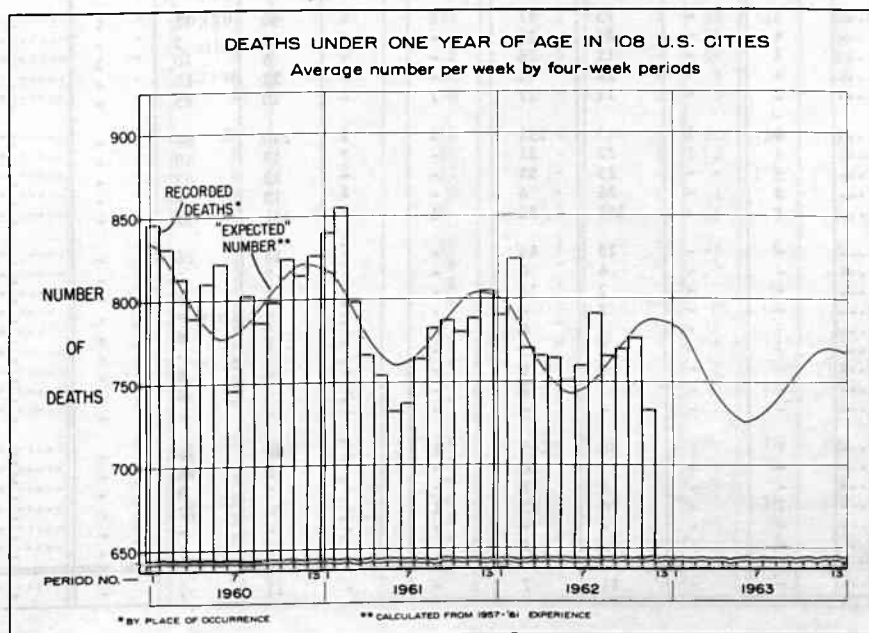
A notable respiratory disease outbreak recently occurred at DePauw University in Greencastle, Indiana. The outbreak which began on Friday, November 7, rose to a peak by November 12 and 13 and subsided by November 17. During this time, some 200 students reported to the infirmary. The illnesses were characterized by acute onsets of malaise, fever, sore throat, and myalgia. There

(Continued on page 376)

INFANT DEATHS IN 108 CITIES

The weekly average number of infant deaths in 108 cities for the four-week period ending November 24 was 733 as compared with an expected 787 weekly average.

	WEEK ENDING				4 Week Total	Weekly Average
	11/3	11/10	11/17	11/24		
Observed	759	762	731	680	2,932	733
Expected	786	787	787	787	3,147	787
Excess	-27	-25	-56	-107	-215	-54



(See Table, page 375)

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Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED

NOVEMBER 25, 1961 AND NOVEMBER 24, 1962

Area	Poliomyelitis, Total Cases				Poliomyelitis, Paralytic				Poliomyelitis, Nonparalytic		Aseptic Meningitis	
	47th week		Cumulative First 47 weeks		47th week		Cumulative First 47 weeks		47th week		47th week	
	1962	1961	1962	1961	1962	1961	1962	1961	1962	1961	1962	1961
UNITED STATES.....	19	20	811	1,262	14	10	643	822	2	6	39	34
NEW ENGLAND.....	-	1	8	41	-	-	7	28	-	-	3	1
Maine.....	-	-	-	5	-	-	-	5	-	-	1	-
New Hampshire.....	-	-	-	2	-	-	-	-	-	-	-	-
Vermont.....	-	-	1	12	-	-	-	10	-	-	-	-
Massachusetts.....	-	1	6	16	-	-	6	9	-	-	1	-
Rhode Island.....	-	-	-	1	-	-	-	1	-	-	1	1
Connecticut.....	-	-	1	5	-	-	1	3	-	-	-	-
MIDDLE ATLANTIC.....	1	4	76	327	1	2	55	215	-	1	4	3
New York.....	1	2	56	244	1	-	38	155	-	1	4	1
New Jersey.....	-	-	7	35	-	-	7	28	-	-	-	-
Pennsylvania.....	-	2	13	48	-	2	10	32	-	-	-	2
EAST NORTH CENTRAL.....	6	7	129	171	5	2	97	106	1	3	2	8
Ohio.....	1	1	20	47	1	-	18	21	-	-	-	-
Indiana.....	-	2	21	18	-	1	17	10	-	1	-	2
Illinois.....	2	1	58	35	1	1	41	18	1	-	-	3
Michigan.....	1	3	20	39	1	-	16	32	-	2	2	3
Wisconsin.....	2	-	10	32	2	-	5	25	-	-	-	-
WEST NORTH CENTRAL.....	-	1	37	73	-	1	26	33	-	-	2	3
Minnesota.....	-	-	7	6	-	-	7	6	-	-	2	3
Iowa.....	-	1	7	19	-	1	3	10	-	-	-	-
Missouri.....	-	-	10	24	-	-	5	7	-	-	-	-
North Dakota.....	-	-	4	4	-	-	2	1	-	-	-	-
South Dakota.....	-	-	1	3	-	-	1	1	-	-	-	-
Nebraska.....	-	-	8	8	-	-	8	4	-	-	-	-
Kansas.....	-	-	-	9	-	-	-	4	-	-	-	-
SOUTH ATLANTIC.....	4	2	72	218	4	2	64	161	-	-	1	2
Delaware.....	-	-	-	2	-	-	-	1	-	-	1	-
Maryland.....	-	-	2	41	-	-	1	31	-	-	-	-
District of Columbia..	-	-	2	3	-	-	1	3	-	-	-	-
Virginia.....	-	1	9	14	-	1	9	14	-	-	-	1
West Virginia.....	3	-	15	32	3	-	15	22	-	-	-	-
North Carolina.....	-	-	13	21	-	-	11	11	-	-	-	-
South Carolina.....	-	-	6	35	-	-	6	27	-	-	-	-
Georgia.....	1	-	17	30	1	-	14	23	-	-	-	-
Florida.....	-	1	8	40	-	1	7	29	-	-	-	1
EAST SOUTH CENTRAL.....	3	-	73	91	2	-	60	51	1	-	12	3
Kentucky.....	-	-	29	27	-	-	23	5	-	-	9	-
Tennessee.....	1	-	11	26	-	-	5	10	1	-	1	1

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Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
NOVEMBER 25, 1961 AND NOVEMBER 24, 1962 - (Continued)

Area	Brucellosis		Diphtheria		Encephalitis, Infectious		Hepatitis, Infectious and Serum				Measles	
	47th week	Cumulative 47 weeks	47th week	Cumulative 47 weeks	47th week	47th week	47th week				47th week	
							Under 20 yr.	20 & over	Total	Total		
							1962	1962	1962	1961	1962	1961
UNITED STATES.....	1	353	14	413	24	22	403	326	781	1,139	2,460	2,183
NEW ENGLAND.....	-	4	-	3	-	1	51	34	87	51	161	372
Maine.....	-	-	-	-	-	-	27	9	36	7	17	89
New Hampshire.....	-	-	-	-	-	-	2	-	3	4	2	61
Vermont.....	-	1	-	-	-	-	1	1	2	1	16	4
Massachusetts.....	-	1	-	1	-	-	19	13	32	27	42	198
Rhode Island.....	-	-	-	1	-	-	1	3	5	4	-	3
Connecticut.....	-	2	-	1	-	1	1	8	9	8	84	17
MIDDLE ATLANTIC.....	-	9	4	19	7	2	72	82	154	143	181	261
New York.....	-	4	4	17	7	2	44	53	97	70	74	144
New Jersey.....	-	1	-	1	-	-	7	9	16	42	36	75
Pennsylvania.....	-	4	-	1	-	-	21	20	41	31	71	42
EAST NORTH CENTRAL.....	-	80	-	11	-	3	55	63	127	250	944	331
Ohio.....	-	1	-	-	-	-	23	23	50	96	68	28
Indiana.....	-	6	-	5	-	-	9	4	15	27	35	21
Illinois.....	-	56	-	2	-	2	5	20	25	29	22	151
Michigan.....	-	6	-	3	-	1	16	16	32	87	182	68
Wisconsin.....	-	11	-	1	-	-	2	-	5	11	637	63
WEST NORTH CENTRAL.....	-	137	1	88	-	2	9	3	18	122	125	132
Minnesota.....	-	13	1	25	-	-	1	-	2	57	8	19
Iowa.....	-	80	-	15	-	-	1	-	3	23	60	34
Missouri.....	-	4	-	5	-	-	5	1	6	18	3	1
North Dakota.....	-	2	-	8	-	-	-	-	-	7	54	48
South Dakota.....	-	11	-	15	-	-	2	1	3	3	-	30
Nebraska.....	-	13	-	18	-	-	-	1	3	6	-	-
Kansas.....	-	14	-	2	-	2	-	-	1	8	NN	NN
SOUTH ATLANTIC.....	-	27	4	120	2	5	34	37	74	195	123	159
Delaware.....	-	-	-	-	-	-	-	1	1	4	2	3
Maryland.....	-	1	-	-	-	-	1	5	6	15	6	26
District of Columbia..	-	-	-	2	-	-	2	1	3	5	4	3
Virginia.....	-	13	-	13	-	-	2	6	9	24	11	39
West Virginia.....	-	-	-	2	-	-	6	3	10	24	89	42
North Carolina.....	-	2	-	11	1	1	11	8	19	73	11	25
South Carolina.....	-	-	-	10	1	-	2	1	3	29	-	-
Georgia.....	-	3	1	40	-	-	-	1	1	1	-	3
Florida.....	-	8	3	42	-	4	1					

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

NOVEMBER 25, 1961 AND NOVEMBER 24, 1962 - (Continued)

Area	Meningococcal Infections		Streptococcal Sore Throat & Scarlet Fever		Tetanus		Tickborne Typhus (Rocky Mt. Spotted)	Tularemia	Typhoid Fever		Rabies in Animals		
	47th wk.	Cumulative 47 weeks	47th week	47th week	47th wk.	47th wk.	47th wk.	47th wk.	47th wk.	Cumulative 47 weeks	47th week	47th week	Cumulative 47 weeks
	1962	1962	1962	1961	1962	1962	1962	1962	1962	1962	1962	1961	1962
UNITED STATES....	30	1,909	5,372	4,855	4	-	-	6	6	569	28	69	3,309
NEW ENGLAND.....	-	113	459	244	-	-	-	-	-	11	-	-	2
Maine.....	-	17	60	3	-	-	-	-	-	2	-	-	1
New Hampshire.....	-	4	11	2	-	-	-	-	-	-	-	-	-
Vermont.....	-	4	6	1	-	-	-	-	-	-	-	-	-
Massachusetts.....	-	44	60	63	-	-	-	-	-	8	-	-	1
Rhode Island.....	-	13	28	41	-	-	-	-	-	1	-	-	-
Connecticut.....	-	31	294	134	-	-	-	-	-	-	-	-	-
MIDDLE ATLANTIC....	7	337	210	173	-	-	-	1	2	60	1	3	148
New York.....	4	150	151	107	-	-	-	-	1	31	1	3	96
New Jersey.....	1	82	32	37	-	-	-	-	-	12	-	-	1
Pennsylvania.....	2	105	27	29	-	-	-	1	1	17	-	-	51
EAST NORTH CENTRAL..	3	371	498	498	-	-	-	2	-	92	3	8	715
Ohio.....	2	113	72	76	-	-	-	-	-	44	-	2	362
Indiana.....	-	30	71	98	-	-	-	2	-	13	1	3	184
Illinois.....	-	82	73	59	-	-	-	-	-	17	1	1	91
Michigan.....	1	124	148	148	-	-	-	-	-	12	1	2	42
Wisconsin.....	-	22	134	117	-	-	-	-	-	6	-	-	36
WEST NORTH CENTRAL..	-	101	110	201	-	-	-	-	-	31	8	15	872
Minnesota.....	-	19	8	22	-	-	-	-	-	-	5	6	214
Iowa.....	-	13	39	36	-	-	-	-	-	2	-	2	332
Missouri.....	-	24	-	1	-	-	-	-	-	24	1	3	149
North Dakota.....	-	8	58	52	-	-	-	-	-	2	-	-	49
South Dakota.....	-	6	3	-	-	-	-	-	-	1	2	2	100
Nebraska.....	-	17	1	-	-	-	-	-	-	2	-	2	21
Kansas.....	-	14	1	90	-	-	-	-	-	-	-	-	7
SOUTH ATLANTIC.....	4	290	325	230	-	-	-	2	1	101	4	5	346
Delaware.....	-	35	4	2	-	-	-	-	-	2	-	-	-
Maryland.....	-	23	16	8	-	-	-	-	-	3	-	-	11
Dist. of Columbia..	-	7	-	1	-	-	-	-	1	9	-	-	-
Virginia.....	3	66	132	75	-	-	-	-	-	18	4	4	134
West Virginia.....	-	16	120	56	-	-	-	1	-	5	-	1	130
North Carolina.....	-	66	30	22	-	-	-	1	-	6	-	-	-
South Carolina.....	1	1											

Table 4 (C). TOTAL DEATHS UNDER 1 YEAR OF AGE IN REPORTING CITIES

(Tables 4(A), 4(B), 4(C), and 4(D) will be published in sequence covering a four-week period.)^o

Area	For weeks ending				Area	For weeks ending			
	11/3	11/10	11/17	11/24		11/3	11/10	11/17	11/24
NEW ENGLAND:					SOUTH ATLANTIC:				
Boston, Mass.....	17	19	18	15	Atlanta, Ga.....	11	9	10	5
Bridgeport, Conn.....	4	2	4	4	Baltimore, Md.....	12	8	27	14
Cambridge, Mass.....	1	2	2	2	Charlotte, N.C.....	7	10	2	3
Fall River, Mass.....	0	1	2	0	Jacksonville, Fla.....	8	7	17	2
Hartford, Conn.....	0	5	5	6	Miami, Fla.....	2	6	7	1
Lowell, Mass.....	1	1	2	0	Norfolk, Va.....	10	4	8	3
Lynn, Mass.....	0	0	0	0	Richmond, Va.....	6	8	5	9
New Bedford, Mass.....	1	1	1	0	Savannah, Ga.....	1	2	7	5
New Haven, Conn.....	2	2	3	3	St. Petersburg, Fla.....	5	1	1	4
Providence, R.I.....	7	4	2	3	Tampa, Fla.....	3	5	12	7
Somerville, Mass.....	0	0	0	0	Washington, D.C.....	22	8	8	26
Springfield, Mass.....	1	2	5	1	Wilmington, Del.....	5	2	2	2
Waterbury, Conn.....	2	2	2	2					
Worcester, Mass.....	3	2	4	3	EAST SOUTH CENTRAL:				
MIDDLE ATLANTIC:					Birmingham, Ala.....	8	9	4	7
Albany, N.Y.....	5	2	3	2	Chattanooga, Tenn.....	3	2	4	4
Allentown, Pa.....	2	2	1	3	Knoxville, Tenn.....	1	1	1	4
Buffalo, N.Y.....	8	6	10	7	Louisville, Ky.....	10	4	19	6
Camden, N.J.....	2	5	3	6	Memphis, Tenn.....	5	6	6	6
Elizabeth, N.J.....	2	0	5	2	Mobile, Ala.....	4	8	2	5
Erie, Pa.....	6	3	3	3	Montgomery, Ala.....	6	3	4	1
Jersey City, N.J.....	5	3	4	6	Nashville, Tenn.....	4	3	6	8
Newark, N.J.....	20	4	5	1	WEST SOUTH CENTRAL:				
New York City, N.Y.....	61	90	84	88	Austin, Tex.....	1	2	2	4
Paterson, N.J.....	1	6	4	1	Baton Rouge, La.....	1	5	3	0
Philadelphia, Pa.....	32	24	24	13	Corpus Christi, Tex.....	4	4	3	1
Pittsburgh, Pa.....	16	12	8	9	Dallas, Tex.....	12	12	10	8
Reading, Pa.....	1	1	0	0	El Paso, Tex.....	5	7	9	4
Rochester, N.Y.....	4	6	6	7	Fort Worth, Tex.....	11	11	1	2
Schenectady, N.Y.....	1	1	0	0	Houston, Tex.....	21	14	9	19
Scranton, Pa.....	1	0	1	1	Little Rock, Ark.....	9	6	5	3
Syracuse, N.Y.....	7	4	8	3	New Orleans, La.....	18	20	14	14
Trenton, N.J.....	2	2	6	1	Oklahoma City, Okla.....	5	5	6	5
Utica, N.Y.....	3	0	2	1	San Antonio, Tex.....	10	4	4	10
Yonkers, N.Y.....	1	1	0	2	Shreveport, La.....	6	7	3	9
EAST NORTH CENTRAL:					Tulsa, Okla.....	5	6	3	1
Akron, Ohio.....	4	4	4	2	MOUNTAIN:				
Canton, Ohio.....	1	2	1	1	Albuquerque, N. Mex.....	5	9	5	8
Chicago, Ill.....	47	58	36	47	Colorado Springs, Colo....	0	1	1	2
Cincinnati, Ohio.....	8	14	7	1	Denver, Colo.....	11	10	7	6
Cleveland, Ohio.....	14	18	10	11	Ogden, Utah.....	1	0	2	2
Columbus, Ohio.....	17	11	9	10	Phoenix, Ariz.....	9	6	4	8
Dayton, Ohio.....	4	7	5	5*	Pueblo, Colo.....	0	1		

was no cough or chest pain. Oral temperatures ranged between 101° and 104° F. The syndrome was severe enough to confine many to bed, but the total duration of illness did not exceed 3 to 4 days. The impression was that only college students were involved, as no faculty members reported illness. There were approximately equal numbers of cases among males and females.

DePauw University has a population of approximately 2400 students, most of whom reside on campus. It is located in Greencastle, Indiana, which has a population of some 8,000. It was the impression of the local health officer that the epidemic did not involve the town or surrounding county.

Both throat washings and acute and convalescent sera were collected during the epidemic and have been sent to CDC for laboratory documentation.

(Reported by Dr. A. L. Marshall, Jr., Director, Division of Communicable Disease Control, State Board of Health, Indianapolis, Indiana.)

INTERNATIONAL NOTES - QUARANTINE MEASURES

No Report.

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