



# Morbidity and Mortality

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

PUBLIC HEALTH SERVICE

BUREAU OF DISEASE PREVENTION AND ENVIRONMENTAL CONTROL

EPIDEMIOLOGIC NOTES AND REPORTS

CONTENTS

INFLUENZA - Pinal County, Arizona

In mid-April 1967, a threefold increase in school absenteeism occurred in Pinal County, Arizona. Investigation revealed that the increase was due to influenza-like illnesses. The earliest reports were received from the town of Stanfield where school absenteeism rose from a normal of 6 percent to 22 percent in the first week of April. Subsequently, school districts in Casa Grande, Coolidge, and Eloy noticed equivalent absentee rates. The last epidemic in Arizona, confirmed as influenza A<sub>2</sub>, occurred in March and April 1966.

The investigation of the current outbreak indicated that both sexes were equally affected and adults were ill

Epidemiologic Notes and Reports  
 Influenza - Arizona . . . . . 133  
 Measles - Kansas . . . . . 134  
 Diphtheria - California . . . . . 135  
 Current Trends  
 Meningococcal Infection - 1967 . . . . . 135  
 International Notes  
 Quarantine Measures . . . . . 140

as frequently as children. The illness was characterized by fever, chills, malaise, generalized aches, rhinorrhea, cough, substernal pain, and sore throat. Positive physical findings were limited to mild pharyngitis and occasional rhonchi. The average duration of illness was approximately

(Continued on page 134)

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
 (Cumulative totals include revised and delayed reports through previous weeks)

DISEASE	17th WEEK ENDED		MEDIAN 1962 - 1966	CUMULATIVE, FIRST 17 WEEKS		
	APRIL 29, 1967	APRIL 30, 1966		1967	1966	MEDIAN 1962 - 1966
Aseptic meningitis . . . . .	34	18	20	495	464	461
Brucellosis . . . . .	9	5	5	69	67	111
Diphtheria . . . . .	-	1	3	35	50	72
Encephalitis, primary:						
Arthropod-borne & unspecified . . . . .	23	18	---	404	416	---
Encephalitis, post-infectious . . . . .	20	14	---	263	285	---
Hepatitis, serum . . . . .	31	16	824	635	416	15,401
Hepatitis, infectious . . . . .	760	533		13,448	11,610	
Malaria . . . . .	42	5	2	665	91	30
Measles (rubeola) . . . . .	2,433	8,163	16,295	39,759	126,061	212,000
Meningococcal infections, total . . . . .	63	65	65	1,013	1,694	1,135
Civilian . . . . .	60	58	---	937	1,482	---
Military . . . . .	3	7	---	76	212	---
Polioomyelitis, total . . . . .	-	-	1	5	7	23
Paralytic . . . . .	-	-	1	5	6	18
Rubella (German measles) . . . . .	1,886	2,021	---	20,911	24,701	---
Streptococcal sore throat & scarlet fever . . . . .	9,995	10,658	8,079	204,223	197,902	183,748
Tetanus . . . . .	1	1	3	50	35	57
Tularemia . . . . .	3	1	3	44	51	64
Typhoid fever . . . . .	8	11	4	109	92	105
Typhus, tick-borne (Rky. Mt. spotted fever) . . . . .	3	-	-	13	10	7
Rabies in animals . . . . .	96	117	117	1,509	1,521	1,490

NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax: . . . . .	1	Rabies in man: . . . . .	-
Botulism: . . . . .	-	Rubella, Congenital Syndrome: . . . . .	1
Leptospirosis: La.-1 . . . . .	11	Trichinosis: Md.-1, N.J.-1, Pa.-1 . . . . .	29
Plague: . . . . .	-	Typhus, murine: Tex.-1 . . . . .	8
Psittacosis: . . . . .	11		

**INFLUENZA - Arizona** (Continued from front page)

3 to 4 days. Although the school absentee rates were as elevated as those during the influenza A<sub>2</sub> epidemic last year, the mild character of the current illness has caused no appreciable increase in either hospital admissions or mortality. Throat swabs and blood specimens from patients throughout the County will be processed at the NCDC.

Because of the mild nature of the illness and the presence of influenza A<sub>2</sub> in the previous year, it has been speculated that this illness might represent influenza type B.

(Reported by Dr. Philip M. Hotchkiss, Arizona State Department of Health; and an EIS Officer.)

**MEASLES - Wyandotte County, Kansas**

Investigation of measles activity reported from Wyandotte County,\* Kansas (population 185,495), revealed 97 cases confirmed by history which occurred from March 26 through April 21, 1967. Forty-nine of the cases were in children aged 7 months through 5 years and 46 cases were in children aged 6 through 12 years (Figure 1). Two adults were confirmed as having contracted measles from their children.

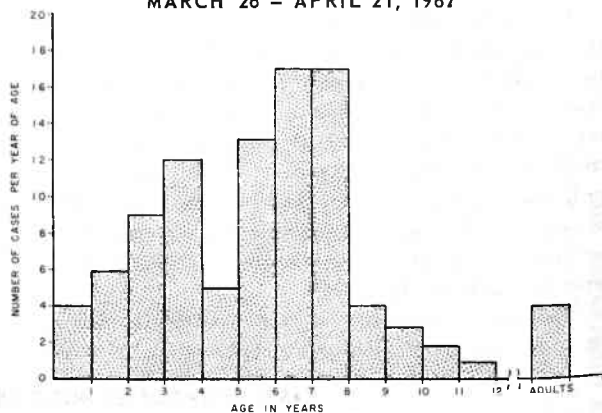
A total of 28 children were exposed at school with an additional 24 secondarily exposed at home. Unknown means of contact accounted for illness in 31 children and the remaining 14 cases were exposed as follows: 11 at home, one at a physician's office, and 2 at a hospital. Complications included four cases of otitis media and three cases of pneumonia among the 49 preschool children. Six cases of pharyngitis and one case of pneumonia were reported among school children.

A 20 percent sample telephone survey was conducted on 806 households in six Kansas City school districts. No cases of measles were confirmed by survey although three of the school districts were in areas of increased measles incidence. Table 1 shows susceptibility status among 651 children aged 7 months through 12 years. Fifty-nine percent of the school children surveyed had a history of measles, whereas 22 percent of the preschool group had a similar record. Measles vaccination was noted in 47 percent of the younger age group and 21 percent of the older children. Susceptibility level was 22 percent by history for all 651 children surveyed.

During a community-wide vaccination program held Sunday, April 16, 2,497 children in Kansas City were im-

\*Kansas City located in Wyandotte County.

**Figure 1**  
**CONFIRMED MEASLES CASES BY AGE**  
**WYANDOTTE COUNTY, KANSAS**  
**MARCH 26 - APRIL 21, 1967**



munized with Schwarz strain measles vaccine using jet injector guns. This community effort was sponsored by the Wyandotte County Medical Society and the Kansas City-Wyandotte County Health Department. Personnel from the Kansas State Department of Health, Kansas City school nurses, Kansas Jaycees and Jaycee Jaynes, and the Kansas City Association for Mental Retardation assisted with this measles eradication program. Of 651 children surveyed following the campaign, 41 (6 percent) were immunized on April 16.

(Reported by Dr. N. G. Walker, Director of Health, Wyandotte County Health Department; Dr. Donald E. Wilcox, Director of Division of Disease Prevention and Control, Kansas State Department of Health; and an EIS Officer.)

**Table 1**  
**Susceptibility Status of 651 Children from Sample Survey**  
**Wyandotte County, Kansas - April 1967**

Age Group	Immune		Susceptible		Immune Status Unknown		Total
	Hist. of Measles	%	Hist. of Vaccine	%	Susc. by History	%	
7 mos. - 5 yrs. . . . .	49	22	105	47	65	29	225
6 yrs. - 12 yrs. . . . .	250	59	91	21	79	19	426
7 mos. - 12 yrs. . . . .	299	46	196	30	144	22	651

CURRENT TRENDS  
MENINGOCOCCAL INFECTION - 1967

A total of 950 cases of meningococcal infection, 73 of which are military cases, has been reported in the United States through the first 16 weeks of 1967. For the comparable period in 1966, 1,629 cases including 205 in military personnel were notified. The numbers of cases with the respective military breakdown are presented for each geographic division for the first 16 weeks of 1967 and 1966 in Table 2. The overall decrease is striking and is reflected in all areas of the U.S. in both the military and civilian populations.

The monthly rates of meningococcal infection per 100,000 population since 1960 are shown in Figure 2. A general increase in incidence in the late winter and spring months occurred from 1963 through 1966. Rates in the spring of 1967, however, have shown a sharp decrease in comparison to those of previous years.

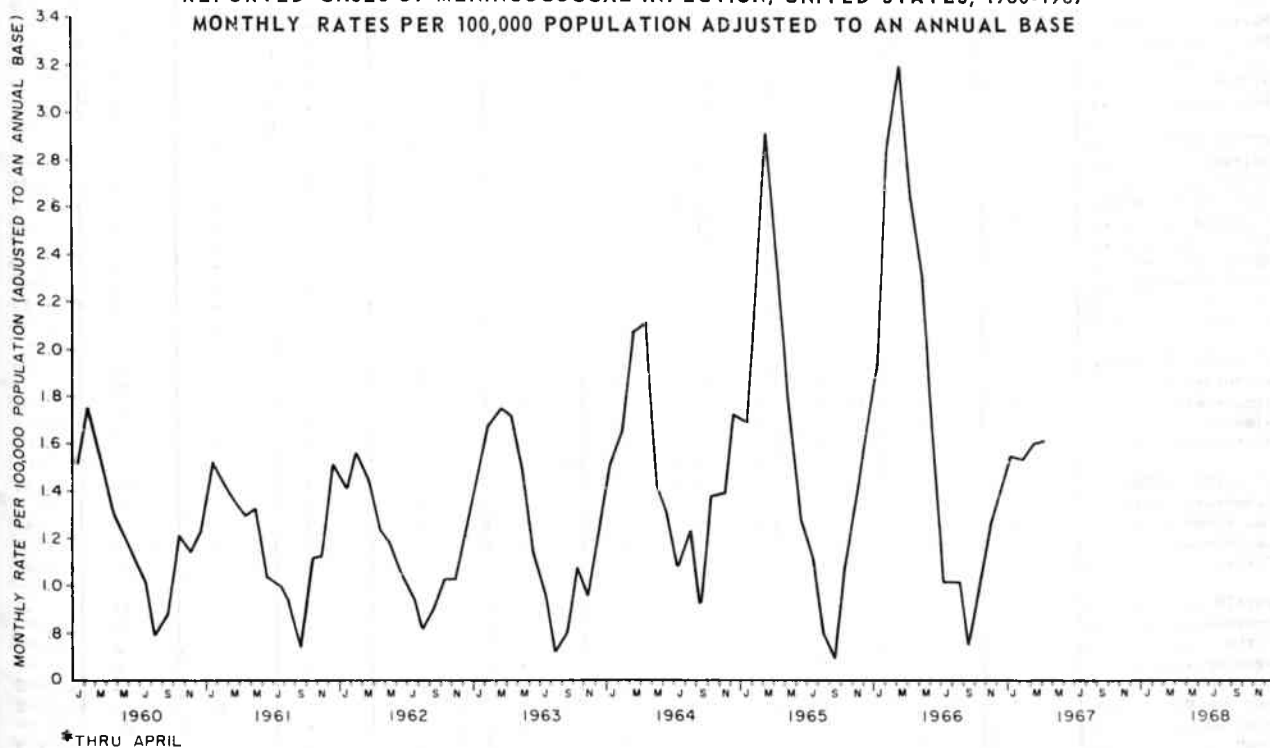
(Reported by the Bacterial Diseases Section, Epidemiology Program, NCDC.)

Table 2  
Meningococcal Infection - United States  
First 16 weeks of 1966 and 1967

	1967		1966	
	Total	Military	Total	Military
United States	950	73	1,629	205
New England	37	0	73	2
Middle Atlantic	138	28	175	18
East North Central	102	0	244	3
West North Central	40	0	87	14
South Atlantic	186	7	261	31
East South Central	91	3	140	32
West South Central	150	3	246	65
Mountain	19	1	56	4
Pacific	187	31	347	36

Figure 2

REPORTED CASES OF MENINGOCOCCAL INFECTION, UNITED STATES, 1960-1967\*  
MONTHLY RATES PER 100,000 POPULATION ADJUSTED TO AN ANNUAL BASE



EPIDEMIOLOGIC NOTES AND REPORTS  
DIPHTHERIA - Los Angeles, California

In January 1967, an outbreak of diphtheria occurred in a Mexican-American family from a low socio-economic area of Los Angeles. The index case was a 7-year-old girl who had had a low grade fever and a sore throat for

2 weeks. With the subsequent development of marked generalized muscle weakness and dyspnea on exertion, the child was hospitalized. On admission she was noted

(Continued on page 140)



# Morbidity and Mortality Weekly Report

137

## CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

### FOR WEEKS ENDED

APRIL 29, 1967 AND APRIL 30, 1966 (17th WEEK) - CONTINUED

AREA	MALARIA		MEASLES (Rubeola)		MENINGOCOCCAL INFECTIONS, TOTAL			POLIOMYELITIS			RUBELLA
	1967	1966	Cumulative		1967	Cumulative		Total	Paralytic		
			1967	1966		1967	1966		1967	1967	
UNITED STATES...	42	2,433	39,759	126,061	63	1,013	1,694	-	-	5	1,886
NEW ENGLAND.....	-	64	485	1,459	4	41	75	-	-	-	156
Maine.....	-	34	122	162	-	2	7	-	-	-	19
New Hampshire.....	-	-	69	26	-	1	7	-	-	-	3
Vermont.....	-	1	35	204	-	-	3	-	-	-	7
Massachusetts.....	-	20	179	564	2	19	30	-	-	-	52
Rhode Island.....	-	-	27	62	-	1	7	-	-	-	11
Connecticut.....	-	9	53	441	2	18	21	-	-	-	64
MIDDLE ATLANTIC.....	4	89	1,298	14,412	13	151	182	-	-	2	80
New York City.....	-	26	226	7,202	3	24	26	-	-	1	41
New York, Up-State.....	1	12	298	1,639	2	36	51	-	-	-	37
New Jersey.....	-	22	309	1,507	6	62	52	-	-	-	-
Pennsylvania.....	3	29	465	4,064	2	29	53	-	-	1	2
EAST NORTH CENTRAL...	-	253	3,161	46,871	10	112	256	-	-	-	311
Ohio.....	-	62	552	4,062	1	41	70	-	-	-	21
Indiana.....	-	34	375	3,168	1	15	40	-	-	-	28
Illinois.....	-	23	484	9,149	4	23	50	-	-	-	41
Michigan.....	-	76	683	7,672	3	24	71	-	-	-	104
Wisconsin.....	-	58	1,067	22,820	1	9	25	-	-	-	117
WEST NORTH CENTRAL...	1	87	1,757	5,951	3	43	93	-	-	-	167
Minnesota.....	-	-	84	1,385	-	9	24	-	-	-	-
Iowa.....	-	30	418	3,346	-	9	13	-	-	-	159
Missouri.....	1	12	129	376	2	11	35	-	-	-	2
North Dakota.....	-	16	642	796	-	-	4	-	-	-	6
South Dakota.....	-	3	45	4	1	6	3	-	-	-	-
Nebraska.....	-	26	439	44	-	6	7	-	-	-	-
Kansas.....	-	NN	NN	NN	-	2	7	-	-	-	-
SOUTH-ATLANTIC.....	10	316	4,601	9,647	13	199	268	-	-	1	115
Delaware.....	-	-	27	134	-	5	3	-	-	-	1
Maryland.....	-	6	81	1,457	2	25	25	-	-	1	18
Dist. of Columbia..	-	1	12	326	2	5	6	-	-	-	-
Virginia.....	-	71	1,417	1,022	1	16	36	-	-	-	12
West Virginia.....	-	106	854	3,615	-	16	9	-	-	-	14
North Carolina.....	-	18	746	167	3	41	54	-	-	-	-
South Carolina.....	-	66	344	451	4	19	39	-	-	-	8
Georgia.....	10	-	23	185	-	33	41	-	-	-	-
Florida.....	-	48	1,097	2,290	1	39	55	-	-	-	62
EAST SOUTH CENTRAL...	12	164	3,917	14,132	4	95	144	-	-	-	320
Kentucky.....	12	39	1,065	3,979	3	29	66	-	-	-	248
Tennessee.....	-	81	1,344	8,177	-	39	41	-	-	-	69
Alabama.....	-	32	915	1,267	1	17	28	-	-	-	3
Mississippi.....	-	12	593	709	-	10	9	-	-	-	-
WEST SOUTH CENTRAL...	-	623	13,735	15,074	3	153	259	-	-	2	31
Arkansas.....	-	25	1,348	523	-	16	14	-	-	-	-
Louisiana.....	-	2	87	72	-	59	103	-	-	-	-
Oklahoma.....	-	5	3,192	323	2	10	11	-	-	1	-
Texas.....	-	591	9,108	14,156	1	68	131	-	-	1	31
MOUNTAIN.....	2	200	2,913	7,064	1	20	60	-	-	-	100
Montana.....	-	20	204	1,073	-	-	4	-	-	-	2
Idaho.....	-	15	310	712	-	1	3	-	-	-	2
Wyoming.....	-	-	20	93	-	-	1	-	-	-	-
Colorado.....	1	88	791	737	-	10	33	-	-	-	25
New Mexico.....	1	42	456	530	-	3	9	-	-	-	-
Arizona.....	-	17	645	3,679	-	2	8	-	-	-	69
Utah.....	-	9	243	216	1	2	-	-	-	-	2
Nevada.....	-	9	244	24	-	2	2	-	-	-	-
PACIFIC.....	13	637	7,892	11,451	12	199	357	-	-	-	606
Washington.....	1	265	3,781	1,960	-	20	22	-	-	-	130
Oregon.....	-	104	1,020	843	3	17	24	-	-	-	22
California.....	7	265	2,915	8,514	9	153	294	-	-	-	444
Alaska.....	---	---	96	58	---	8	14	---	---	---	---
Hawaii.....	5	3	80	76	-	1	3	-	-	-	10
Puerto Rico.....	-	117	1,366	1,553	1	8	3	-	-	-	5

## Morbidity and Mortality Weekly Report

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
FOR WEEKS ENDED

APRIL 29, 1967 AND APRIL 30, 1966 (17th WEEK) - CONTINUED

AREA	STREPTOCOCCAL SORE THROAT & SCARLET FEVER	TETANUS		TULAREMIA		TYPHOID		TYPHUS FEVER TICK-BORNE (Rky. Mt. Spotted)		RABIES IN ANIMALS	
	1967	1967	Cum. 1967	1967	Cum. 1967	1967	Cum. 1967	1967	Cum. 1967	1967	Cum. 1967
UNITED STATES...	9,995	1	50	3	44	8	109	3	13	96	1,509
NEW ENGLAND.....	1,849	-	-	-	-	1	1	-	-	2	40
Maine.....	61	-	-	-	-	-	-	-	-	1	8
New Hampshire.....	18	-	-	-	-	-	-	-	-	-	25
Vermont.....	31	-	-	-	-	-	-	-	-	1	7
Massachusetts.....	304	-	-	-	-	1	1	-	-	-	-
Rhode Island.....	133	-	-	-	-	-	-	-	-	-	-
Connecticut.....	1,302	-	-	-	-	-	-	-	-	-	-
MIDDLE ATLANTIC.....	615	-	5	-	-	1	13	-	-	4	32
New York City.....	21	-	3	-	-	1	8	-	-	-	-
New York, Up-State.	499	-	-	-	-	-	3	-	-	3	23
New Jersey.....	NN	-	-	-	-	-	1	-	-	-	-
Pennsylvania.....	95	-	1	-	-	-	1	-	-	1	9
EAST NORTH CENTRAL...	849	-	2	-	5	-	9	1	2	11	123
Ohio.....	124	-	-	-	-	-	3	1	2	7	57
Indiana.....	157	-	-	-	1	-	-	-	-	-	20
Illinois.....	151	-	2	-	4	-	1	-	-	2	20
Michigan.....	252	-	-	-	-	-	4	-	-	-	4
Wisconsin.....	165	-	-	-	-	-	1	-	-	2	22
WEST NORTH CENTRAL...	418	-	1	1	10	-	2	-	-	21	323
Minnesota.....	6	-	1	-	-	-	-	-	-	3	65
Iowa.....	208	-	-	-	1	-	2	-	-	5	36
Missouri.....	17	-	-	-	3	-	-	-	-	5	75
North Dakota.....	92	-	-	-	-	-	-	-	-	-	54
South Dakota.....	20	-	-	-	-	-	-	-	-	7	46
Nebraska.....	70	-	-	-	-	-	-	-	-	1	21
Kansas.....	5	-	-	1	6	-	-	-	-	-	26
SOUTH ATLANTIC.....	785	1	12	-	5	4	14	1	5	15	209
Delaware.....	22	-	-	-	-	-	-	-	-	-	-
Maryland.....	160	-	-	-	-	1	1	-	-	-	-
Dist. of Columbia..	3	-	-	-	-	1	1	-	-	-	-
Virginia.....	161	-	3	-	-	-	2	-	-	5	108
West Virginia.....	229	-	-	-	1	-	1	-	-	2	36
North Carolina.....	10	1	4	-	-	-	2	1	4	-	1
South Carolina.....	25	-	-	-	2	2	2	-	-	-	-
Georgia.....	8	-	1	-	2	-	1	-	1	8	41
Florida.....	167	-	4	-	-	-	4	-	-	-	23
EAST SOUTH CENTRAL...	1,390	-	12	1	6	-	12	-	1	16	365
Kentucky.....	182	-	-	-	1	-	4	-	-	5	70
Tennessee.....	1,027	-	6	1	4	-	4	-	1	9	266
Alabama.....	129	-	4	-	-	-	4	-	-	2	27
Mississippi.....	52	-	2	-	1	-	-	-	-	-	2
WEST SOUTH CENTRAL...	766	-	10	-	11	1	17	-	2	25	283
Arkansas.....	-	-	3	-	1	-	3	-	-	2	43
Louisiana.....	1	-	1	-	2	-	11	-	-	-	28
Oklahoma.....	94	-	-	-	5	-	-	-	2	12	70
Texas.....	671	-	6	-	3	1	3	-	-	11	142
MOUNTAIN.....	1,376	-	-	1	6	-	14	1	1	2	41
Montana.....	67	-	-	-	1	-	1	-	-	-	-
Idaho.....	113	-	-	-	-	-	-	-	-	-	-
Wyoming.....	56	-	-	1	1	-	-	-	-	-	-
Colorado.....	697	-	-	-	1	-	11	1	1	-	5
New Mexico.....	289	-	-	-	-	-	-	-	-	1	9
Arizona.....	95	-	-	-	-	-	2	-	-	1	27
Utah.....	57	-	-	-	3	-	-	-	-	-	-
Nevada.....	2	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	1,947	-	8	-	1	1	27	-	2	-	93
Washington.....	622	-	-	-	-	-	-	-	-	-	-
Oregon.....	79	-	-	-	-	-	-	-	-	-	1
California.....	1,155	-	6	-	1	-	24	-	2	-	92
Alaska.....	-	-	-	-	-	-	-	-	-	-	-
Hawaii.....	91	-	2	-	-	1	3	-	-	-	-
Puerto Rico.....	3	-	3	-	-	-	4	-	-	1	14

# Morbidity and Mortality Weekly Report

Week No.  
17

## DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED APRIL 29, 1967

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

Area	All Causes		Pneumonia and Influenza All Ages	Under 1 year All Causes	Area	All Causes		Pneumonia and Influenza All Ages	Under 1 year All Causes
	All Ages	65 years and over				All Ages	65 years and over		
<b>NEW ENGLAND:</b>	812	522	41	38	<b>SOUTH ATLANTIC:</b>	1,113	577	48	71
Boston, Mass.-----	247	144	11	12	Atlanta, Ga.-----	107	47	5	9
Bridgeport, Conn.-----	75	51	8	7	Baltimore, Md.-----	241	127	9	11
Cambridge, Mass.-----	37	25	-	-	Charlotte, N. C.-----	43	20	1	3
Fall River, Mass.-----	29	21	-	1	Jacksonville, Fla.-----	55	23	1	2
Hartford, Conn.-----	47	31	2	5	Miami, Fla.-----	84	51	-	4
Lowell, Mass.-----	24	18	1	-	Norfolk, Va.-----	54	35	8	3
Lynn, Mass.-----	27	19	2	3	Richmond, Va.-----	80	35	-	9
New Bedford, Mass.-----	32	27	-	-	Savannah, Ga.-----	31	16	2	-
New Haven, Conn.-----	49	27	-	2	St. Petersburg, Fla.-----	91	74	10	1
Providence, R. I.-----	68	38	4	3	Tampa, Fla.-----	59	35	3	4
Somerville, Mass.-----	19	13	2	-	Washington, D. C.-----	221	96	8	20
Springfield, Mass.-----	60	40	5	1	Wilmington, Del.-----	47	18	1	5
Waterbury, Conn.-----	35	24	1	1	<b>EAST SOUTH CENTRAL:</b>	576	301	39	28
Worcester, Mass.-----	63	44	5	3	Birmingham, Ala.-----	66	29	3	3
<b>MIDDLE ATLANTIC:</b>	3,188	1,882	106	146	Chattanooga, Tenn.-----	41	22	6	2
Albany, N. Y.-----	44	30	1	-	Knoxville, Tenn.-----	41	27	-	1
Allentown, Pa.-----	27	20	4	-	Louisville, Ky.-----	146	84	20	8
Buffalo, N. Y.-----	124	79	1	8	Memphis, Tenn.-----	125	60	4	5
Camden, N. J.-----	40	22	-	2	Mobile, Ala.-----	39	18	1	4
Elizabeth, N. J.-----	35	17	-	1	Montgomery, Ala.-----	33	11	4	3
Erie, Pa.-----	39	23	-	2	Nashville, Tenn.-----	85	50	1	2
Jersey City, N. J.-----	55	36	5	1	<b>WEST SOUTH CENTRAL:</b>	1,130	592	33	69
Newark, N. J.-----	87	51	7	1	Austin, Tex.-----	41	26	4	-
New York City, N. Y.-----	1,665	974	53	78	Baton Rouge, La.-----	40	20	1	8
Paterson, N. J.-----	44	28	3	2	Corpus Christi, Tex.-----	20	8	-	-
Philadelphia, Pa.-----	447	251	9	24	Dallas, Tex.-----	130	64	3	8
Pittsburgh, Pa.-----	200	111	6	11	El Paso, Tex.-----	43	19	4	6
Reading, Pa.-----	44	30	2	1	Fort Worth, Tex.-----	77	45	1	11
Rochester, N. Y.-----	106	65	6	6	Houston, Tex.-----	246	116	6	12
Schenectady, N. Y.-----	27	19	2	-	Little Rock, Ark.-----	59	34	1	2
Scranton, Pa.-----	41	32	2	1	New Orleans, La.-----	168	82	5	9
Syracuse, N. Y.-----	55	32	-	4	Oklahoma City, Okla.-----	87	55	1	4
Trenton, N. J.-----	53	24	4	3	San Antonio, Tex.-----	127	72	4	5
Utica, N. Y.-----	21	16	1	1	Shreveport, La.-----	46	25	1	-
Yonkers, N. Y.-----	34	22	-	-	Tulsa, Okla.-----	46	26	2	4
<b>EAST NORTH CENTRAL:</b>	2,457	1,344	76	143	<b>MOUNTAIN:</b>	397	230	21	17
Akron, Ohio-----	67	43	-	2	Albuquerque, N. Mex.-----	39	22	6	2
Canton, Ohio-----	28	13	1	3	Colorado Springs, Colo.-----	20	14	-	3
Chicago, Ill.-----	706	405	25	45	Denver, Colo.-----	122	72	4	7
Cincinnati, Ohio-----	168	95	5	2	Ogden, Utah-----	16	10	2	-
Cleveland, Ohio-----	216	106	4	19	Phoenix, Ariz.-----	94	55	5	2
Columbus, Ohio-----	112	60	3	6	Pueblo, Colo.-----	19	14	1	-
Dayton, Ohio-----	88	48	1	9	Salt Lake City, Utah-----	42	21	1	3
Detroit, Mich.-----	365	186	9	15	Tucson, Ariz.-----	45	22	2	-
Evansville, Ind.-----	48	27	3	4	<b>PACIFIC:</b>	1,537	905	31	57
Flint, Mich.-----	37	19	3	4	Berkeley, Calif.-----	16	10	-	-
Fort Wayne, Ind.-----	46	20	1	2	Fresno, Calif.-----	35	14	-	3
Gary, Ind.-----	32	15	2	3	Glendale, Calif.-----	46	30	1	2
Grand Rapids, Mich.-----	39	22	3	2	Honolulu, Hawaii-----	58	34	1	6
Indianapolis, Ind.-----	104	52	2	10	Long Beach, Calif.-----	84	55	3	2
Madison, Wis.-----	26	15	1	1	Los Angeles, Calif.-----	473	286	12	20
Milwaukee, Wis.-----	119	71	4	6	Oakland, Calif.-----	101	49	1	6
Peoria, Ill.-----	30	21	3	1	Pasadena, Calif.-----	37	24	-	-
Rockford, Ill.-----	29	18	4	-	Portland, Oreg.-----	109	69	2	2
South Bend, Ind.-----	34	19	1	3	Sacramento, Calif.-----	53	30	1	1
Toledo, Ohio-----	97	54	1	4	San Diego, Calif.-----	89	51	-	1
Youngstown, Ohio-----	66	35	-	2	San Francisco, Calif.-----	171	87	1	7
<b>WEST NORTH CENTRAL:</b>	797	485	26	34	San Jose, Calif.-----	40	24	3	2
Des Moines, Iowa-----	55	35	2	-	Seattle, Wash.-----	136	84	5	1
Duluth, Minn.-----	26	16	-	3	Spokane, Wash.-----	53	40	1	1
Kansas City, Kans.-----	26	14	-	3	Tacoma, Wash.-----	36	18	-	3
Kansas City, Mo.-----	154	90	4	10	<b>Total</b>	<b>12,007</b>	<b>6,838</b>	<b>421</b>	<b>603</b>
Lincoln, Nebr.-----	11	4	-	1	Cumulative Totals including reported corrections for previous weeks				
Minneapolis, Minn.-----	107	66	2	3	All Causes, All Ages-----				219,411
Omaha, Nebr.-----	62	34	2	6	All Causes, Age 65 and over-----				126,903
St. Louis, Mo.-----	227	142	14	7	Pneumonia and Influenza, All Ages-----				8,722
St. Paul, Minn.-----	87	62	2	1	All Causes, Under 1 Year of Age-----				11,030
Wichita, Kans.-----	42	22	-	-					

\*Estimate - based on average percent of divisional total.

DIPHTHERIA - Los Angeles, California

(Continued from page 135)

to have a hemorrhagic pharyngitis, palatal paralysis and acute myocarditis in association with early congestive heart failure. Despite immediate, intensive antitoxin and antibiotic therapy, she expired 4 days later following a cardiac arrest.

Virulent Corynebacterium diphtheriae were isolated from the index case, from a 17-year-old sister with pharyngitis, and from an asymptomatic 8-year-old brother. Antibiotics were given to both siblings and, in addition, the sister received antitoxin therapy. They both recovered uneventfully. The index case had received only one previous DT immunization, and the two siblings had each received two doses in the past. Twenty other contacts were found to have negative throat cultures.

After the diagnosis of the index case, the health department carried out an emergency vaccination program in the district where the patient lived. Over 1,000 doses of DPT were administered to the residents.

(Reported by Dr. B.A. Kogan, Chief, Division of Acute Communicable Disease Control, County of Los Angeles Health Department; Dr. Philip K. Condit, Chief, Bureau of Communicable Diseases, State of California Department of Public Health; and an EIS Officer.)

INTERNATIONAL NOTES  
QUARANTINE MEASURES

Immunization Information for International Travel  
1965-66 edition—Public Health Service Publication No. 384

The following information should be added to the list of yellow fever vaccination centers in Section 6:

Page 77

- City: Amherst, Massachusetts
- Center: University Health Services  
University of Massachusetts
- Clinic Hours: Wednesday - 2 p.m.
- Fee: No

THE MORBIDITY AND MORTALITY WEEKLY REPORT, WITH A CIRCULATION OF 17,000, IS PUBLISHED AT THE NATIONAL COMMUNICABLE DISEASE CENTER, ATLANTA, GEORGIA.

DIRECTOR, NATIONAL COMMUNICABLE DISEASE CENTER  
DAVID J. SENCER, M.D.  
CHIEF, EPIDEMIOLOGY PROGRAM  
A. D. LANGMUIR, M.D.  
ACTING CHIEF, STATISTICS SECTION  
IDA L. SHERMAN, M.S.

IN ADDITION TO THE ESTABLISHED PROCEDURES FOR REPORTING MORBIDITY AND MORTALITY, THE NATIONAL COMMUNICABLE DISEASE CENTER WELCOMES ACCOUNTS OF INTERESTING OUTBREAKS OR CASE INVESTIGATIONS WHICH ARE OF CURRENT INTEREST TO HEALTH OFFICIALS AND WHICH ARE DIRECTLY RELATED TO THE CONTROL OF COMMUNICABLE DISEASES. SUCH COMMUNICATIONS SHOULD BE ADDRESSED TO:

THE EDITOR  
MORBIDITY AND MORTALITY WEEKLY REPORT  
NATIONAL COMMUNICABLE DISEASE CENTER  
ATLANTA, GEORGIA 30333

NOTE: THE DATA IN THIS REPORT ARE PROVISIONAL AND ARE BASED ON WEEKLY TELEGRAMS TO THE NCDC BY THE INDIVIDUAL STATE HEALTH DEPARTMENTS. THE REPORTING WEEK CONCLUDES ON SATURDAY; COMPILED DATA ON A NATIONAL BASIS ARE RELEASED ON THE SUCCEEDING FRIDAY.

Library  
81  
7 61  
CDC

U. S. DEPARTMENT OF  
HEALTH, EDUCATION, AND WELFARE  
PUBLIC HEALTH SERVICE  
NATIONAL  
BUREAU OF DISEASE PREVENTION AND ENVIRONMENTAL CONTROL  
COMMUNICABLE DISEASE CENTER  
ATLANTA, GEORGIA 30333  
OFFICIAL BUSINESS

POSTAGE AND FEES PAID  
U. S. DEPARTMENT OF H. E. W.