

Morbidity and Mortality



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WEEKLY
REPORTWeek Ending
April 13, 1968

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

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BUREAU OF DISEASE PREVENTION AND ENVIRONMENTAL CONTROL

CURRENT TRENDS MEASLES - United States

For the week ending April 13, 1968 (week 15), 786 cases of measles were reported to NCDC. This is a decrease of 161 cases from the total of 947 cases reported for the preceding week. Since mid-January, the number of measles cases reported each week has ranged from 532 (week ending February 17) to 949 (week ending March 23). However, these 786 cases for the current week are only 29 percent, 10 percent, 7.2 percent, and 2.9 percent of the cases reported for the corresponding week in the years 1967, 1966, 1965, and 1964, respectively.

The striking decrease in measles cases reported during the current year compared with cases reported during the 4 previous years (December-June, weeks 49-24) is

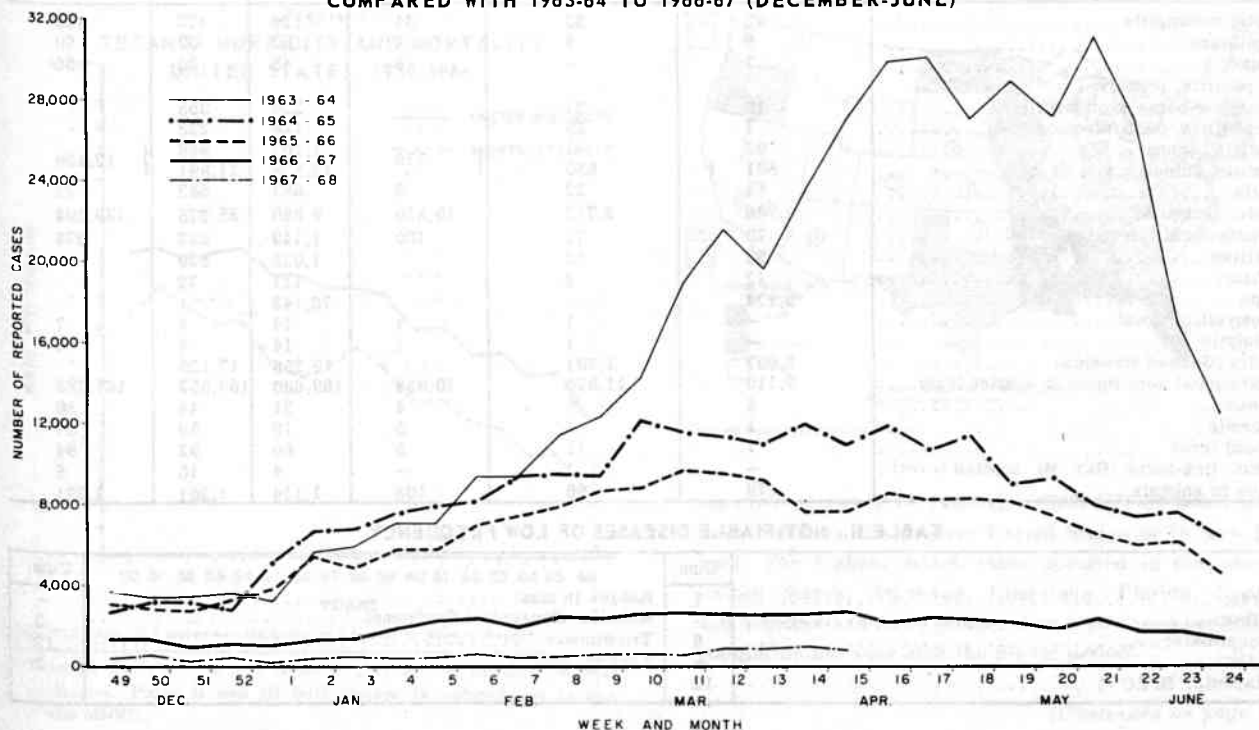
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readily apparent in Figure 1. A total of 9,880 cases of measles have been reported for the first 15 weeks of 1968. This total is 25,395 cases, 99,503 cases, 129,714 cases, and 186,004 cases fewer than the totals for the comparable 15 weeks in 1967-1964, respectively.

(Reported by State Services Section, and Statistics Section, Epidemiology Program, NCDC.)

Figure 1
REPORTED CASES OF MEASLES BY WEEK, UNITED STATES 1967-68
COMPARED WITH 1963-64 TO 1966-67 (DECEMBER-JUNE)



SUMMARY OF REPORTED CASES OF INFECTIOUS SYPHILIS

CASES OF PRIMARY AND SECONDARY SYPHILIS: BY REPORTING AREAS MARCH 1968 AND MARCH 1967-PROVISIONAL DATA

Reporting Area	March		Cumulative Jan-March		Reporting Area	March		Cumulative Jan-March	
	1968	1967	1968	1967		1968	1967	1968	1967
NEW ENGLAND.....	26	33	91	99	EAST SOUTH CENTRAL.....	145	150	368	464
Maine.....	1	-	1	-	Kentucky.....	7	14	28	29
New Hampshire.....	-	1	-	4	Tennessee.....	26	17	77	59
Vermont.....	-	-	-	2	Alabama.....	79	77	178	270
Massachusetts.....	9	23	57	60	Mississippi.....	33	42	85	106
Rhode Island.....	9	2	13	6	WEST SOUTH CENTRAL.....	323	234	671	736
Connecticut.....	7	7	20	27	Arkansas.....	14	15	35	37
MIDDLE ATLANTIC.....	230	325	772	890	Louisiana.....	80	55	204	152
Upstate New York.....	16	30	48	68	Oklahoma.....	4	3	18	29
New York City.....	145	204	482	532	Texas.....	225	159	614	518
Pa. (Excl. Phila.).....	22	20	68	75	MOUNTAIN.....	42	36	130	156
Philadelphia.....	20	23	75	67	Montana.....	1	-	2	1
New Jersey.....	27	48	99	148	Idaho.....	-	5	2	10
EAST NORTH CENTRAL.....	256	305	800	769	Wyoming.....	-	2	-	2
Ohio.....	53	57	143	156	Colorado.....	2	8	13	20
Indiana.....	22	17	68	29	New Mexico.....	13	12	34	41
Downstate Illinois.....	9	15	44	36	Arizona.....	20	24	66	77
Chicago.....	89	92	280	276	Utah.....	-	1	-	1
Michigan.....	80	122	260	315	Nevada.....	6	4	13	4
Wisconsin.....	3	2	5	7	PACIFIC.....	176	179	423	509
WEST NORTH CENTRAL.....	42	15	86	60	Washington.....	2	6	8	17
Minnesota.....	7	3	13	10	Oregon.....	3	7	9	14
Iowa.....	2	2	4	6	California.....	170	165	403	473
Missouri.....	24	3	47	17	Alaska.....	-	-	-	1
North Dakota.....	-	-	-	1	Hawaii.....	1	1	3	4
South Dakota.....	6	4	10	11	U. S. TOTAL.....	1,723	1,817	4,912	5,218
Nebraska.....	-	3	8	8	TERRITORIES.....	111	90	260	212
Kansas.....	3	-	4	7	Puerto Rico.....	106	85	238	201
SOUTH ATLANTIC.....	483	520	1,371	1,535	Virgin Islands.....	5	5	22	11
Delaware.....	4	3	9	12	Note: Cumulative Totals include revised and delayed reports through previous months.				
Maryland.....	41	52	130	169					
District of Columbia.....	62	61	190	157					
Virginia.....	24	24	57	75					
West Virginia.....	4	2	12	4					
North Carolina.....	67	41	184	171					
South Carolina.....	53	79	150	220					
Georgia.....	71	67	204	236					
Florida.....	157	191	435	491					

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

DISEASE	15th WEEK ENDED		MEDIAN 1963 - 1967	CUMULATIVE, FIRST 15 WEEKS		
	April 13, 1968	April 15, 1967		1968	1967	MEDIAN 1963 - 1967
Aseptic meningitis	42	33	31	426	423	423
Brucellosis	6	4	4	32	57	60
Diphtheria	3	-	3	45	35	55
Encephalitis, primary:						
Arthropod-borne & unspecified	18	31	---	226	355	---
Encephalitis, post-infectious	7	29	---	128	223	---
Hepatitis, serum	93	41	---	1,103	568	---
Hepatitis, infectious	801	850	775	12,528	11,891	12,459
Malaria	43	22	3	663	582	32
Measles (rubeola)	786	2,712	10,859	9,880	35,275	139,594
Meningococcal infections, total	70	71	100	1,149	892	975
Civilian	58	63	---	1,038	820	---
Military	12	8	---	111	72	---
Mumps	5,124	---	---	76,143	---	---
Poliomyelitis, total	-	1	1	14	4	7
Paralytic	-	1	1	14	4	6
Rubella (German measles)	2,607	1,701	---	19,256	17,125	---
Streptococcal sore throat & scarlet fever.....	9,110	11,823	10,854	169,680	183,553	167,786
Tetanus	4	5	4	31	46	50
Tularemia	1	4	3	19	39	57
Typhoid fever	1	11	6	66	93	94
Typhus, tick-borne (Rky. Mt. spotted fever) ..	-	1	-	4	10	6
Rabies in animals	79	96	106	1,114	1,301	1,291

TABLE II. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	1	Rabies in man:	-
Botulism:	-	Rubella, Congenital Syndrome:	3
Leptospirosis:	6	Trichinosis:	12
Plague:	-	Typhus, murine:	3
Psittacosis: N.Y.C.-1	12		

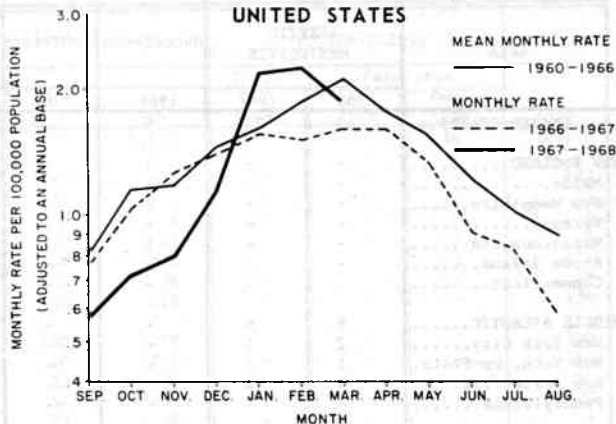
MENINGOCOCCAL DISEASE — United States

The adjusted incidence rate of meningococcal infections for March 1968 is 1.89 cases per 100,000 population. This rate is higher than the rate of 1.59 cases per 100,000 population for March 1967; however, it is well below the 1966 rate of 3.20 cases per 100,000 population and the mean monthly rate of 2.10 for March 1960-66 (Figure 2).

A total of 1,079 cases of meningococcal infection have been reported for the first 14 weeks of 1968; this is 31 percent more than the 821 cases reported for the corresponding period in 1967. Of the 1968 total to date, 99 cases (9 percent) were military cases; in the corresponding period for 1967, military cases comprised 8 percent of the total cases.

(Reported by Special Pathogens Unit, Bacterial Diseases Section, and Statistics Section, NCDC.)

Figure 2
MONTHLY INCIDENCE OF MENINGOCOCCAL INFECTIONS
UNITED STATES

SURVEILLANCE SUMMARY
TETANUS — 1965 and 1966

Part I*

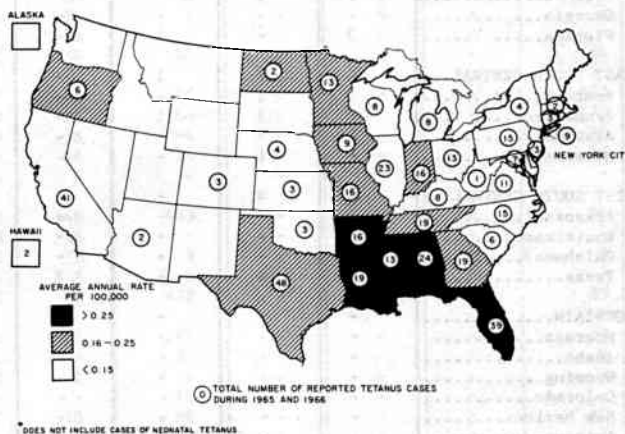
During 1965 and 1966, a total of 535 tetanus cases were reported to NCDC. Tetanus surveillance forms with additional epidemiologic and clinical information were received on 507 of these cases. A history of immunization was unknown, suggested inadequate protection, or was not obtained in 96 percent of the cases.

Tetanus morbidity and mortality rates have continued to decrease gradually in a parallel pattern since 1950 (Figure 3). Thus the case fatality ratio has remained vir-

tually unchanged at approximately 65 percent during this 17-year period.

Non-neonatal tetanus cases in 1965 and 1966 showed a wide geographic distribution (Figure 4). Only 14 states

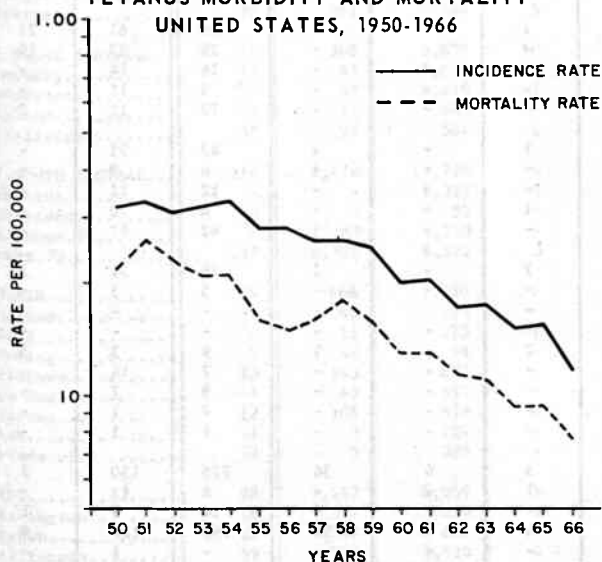
Figure 4
GEOGRAPHIC DISTRIBUTION OF TETANUS
CASES AND INCIDENCE RATES BY STATE
UNITED STATES, 1965-1966*



reported no cases in 1965 and 1966. All of these states were either in the western United States or in New England. The highest attack rates occurred in the southern United States. Arkansas, Louisiana, Florida, Georgia, and Alabama had rates greater than 0.25 cases per 100,000 population per year over the 2-year period.

(Continued on page 136)

Figure 3
TETANUS MORBIDITY AND MORTALITY
UNITED STATES, 1950-1966



SOURCE: Annual Supplement Morbidity and Mortality Weekly Report

*This is the first part of a three part series on tetanus surveillance. Parts II and III will appear in subsequent issues of the MMWR.

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TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

APRIL 13, 1968 AND APRIL 15, 1967 (15th WEEK)

AREA	ASEPTIC MENINGITIS		BRUCellosis	DIPHTHERIA	ENCEPHALITIS			HEPATITIS			MALARIA
					Primary including unsp. cases		Post- Infectious	Serum	Infectious		
	1968	1967			1968	1968	1967	1968	1968	1968	
UNITED STATES...	42	33	6	3	18	31	7	93	801	850	43
NEW ENGLAND.....	-	-	1	-	-	2	-	2	16	33	-
Maine.....	-	-	-	-	-	-	-	-	-	2	-
New Hampshire.....	-	-	-	-	-	-	-	-	-	1	-
Vermont.....	-	-	-	-	-	-	-	-	-	-	-
Massachusetts.....	-	-	1	-	-	-	-	-	10	22	-
Rhode Island.....	-	-	-	-	-	1	-	2	4	5	-
Connecticut.....	-	-	-	-	-	1	-	-	2	3	-
MIDDLE ATLANTIC.....	6	6	-	-	6	6	-	22	130	174	4
New York City.....	2	1	-	-	2	1	-	18	40	52	-
New York, up-State.....	1	2	-	-	3	-	-	-	37	42	1
New Jersey*.....	3	3	-	-	1	3	-	1	25	42	2
Pennsylvania.....	-	-	-	-	-	2	-	3	28	38	1
EAST NORTH CENTRAL...	6	4	-	1	5	6	-	6	124	141	-
Ohio*.....	5	-	-	-	5	3	-	1	56	36	-
Indiana*.....	-	-	-	1	-	3	-	-	5	14	-
Illinois.....	-	2	-	-	-	-	-	-	41	38	-
Michigan.....	1	2	-	-	-	-	-	5	7	43	-
Wisconsin.....	-	-	-	-	-	-	-	-	15	10	-
WEST NORTH CENTRAL...	-	-	2	-	-	1	-	1	54	61	1
Minnesota.....	-	-	1	-	-	1	-	1	12	13	-
Iowa.....	-	-	-	-	-	-	-	-	22	2	-
Missouri.....	-	-	-	-	-	-	-	-	8	38	-
North Dakota.....	-	-	1	-	-	-	-	-	4	1	-
South Dakota.....	-	-	-	-	-	-	-	-	1	-	-
Nebraska.....	-	-	-	-	-	-	-	-	5	3	1
Kansas.....	-	-	-	-	-	-	-	-	2	4	-
SOUTH ATLANTIC.....	6	1	2	-	1	7	2	6	93	108	7
Delaware.....	-	-	-	-	-	-	-	-	-	1	-
Maryland*.....	1	-	-	-	-	-	-	-	17	19	-
Dist. of Columbia..	-	-	-	-	-	-	-	-	1	-	-
Virginia.....	-	-	1	-	1	-	-	2	10	30	1
West Virginia.....	2	-	-	-	-	-	-	-	1	8	-
North Carolina.....	-	-	-	-	-	-	-	-	6	9	5
South Carolina.....	-	1	-	-	-	1	-	-	-	1	-
Georgia.....	-	-	-	-	-	-	-	-	28	23	1
Florida.....	3	-	1	-	-	6	2	4	30	17	-
EAST SOUTH CENTRAL...	6	7	1	-	-	1	1	-	59	61	21
Kentucky.....	1	1	-	-	-	-	-	-	26	23	19
Tennessee.....	-	3	1	-	-	1	1	-	16	14	-
Alabama.....	5	2	-	-	-	-	-	-	4	12	-
Mississippi.....	-	1	-	-	-	-	-	-	13	12	2
WEST SOUTH CENTRAL...	4	4	-	2	-	1	-	1	62	91	-
Arkansas.....	-	-	-	-	-	-	-	-	4	3	-
Louisiana.....	-	-	-	-	-	-	-	-	12	11	-
Oklahoma*.....	2	-	-	-	-	1	-	-	4	10	-
Texas.....	2	4	-	2	-	-	-	1	42	67	-
MOUNTAIN.....	-	-	-	-	1	2	-	1	38	31	3
Montana.....	-	-	-	-	1	-	-	-	5	5	-
Idaho.....	-	-	-	-	-	-	-	-	-	-	-
Wyoming.....	-	-	-	-	-	-	-	-	-	-	-
Colorado.....	-	-	-	-	-	2	-	1	9	3	3
New Mexico.....	-	-	-	-	-	-	-	-	7	14	-
Arizona.....	-	-	-	-	-	-	-	-	9	7	-
Utah.....	-	-	-	-	-	-	-	-	7	1	-
Nevada.....	-	-	-	-	-	-	-	-	1	1	-
PACIFIC.....	14	11	-	-	5	5	4	54	225	150	7
Washington.....	-	-	-	-	-	1	-	-	8	13	-
Oregon.....	1	1	-	-	-	-	-	-	14	9	1
California.....	13	10	-	-	5	4	4	54	193	127	6
Alaska.....	-	-	-	-	-	-	-	-	-	1	-
Hawaii.....	-	-	-	-	-	-	-	-	10	-	-
Puerto Rico.....	-	-	-	-	-	-	-	-	26	35	-

*Delayed reports: Encephalitis, primary: Ind. delete 1.

Hepatitis, infectious: N.J. delete 1, Ohio 1, Md. 2 cases 1967, Okla. 1

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TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
APRIL 13, 1968 AND APRIL 15, 1967 (15th WEEK) - CONTINUED

AREA	MEASLES (Rubeola)			MENINGOCOCCAL INFECTIONS, TOTAL			MUMPS	POLIOMYELITIS			RUBELLA
	1968	Cumulative		1968	Cumulative		1968	Total	Paralytic		1968
		1968	1967		1968	1967		1968	1968	Cum. 1968	
UNITED STATES...	786	9,880	35,275	70	1,149	892	5,124	-	-	14	2,607
NEW ENGLAND.....	35	443	392	7	60	32	627	-	-	-	403
Maine.*.....	-	11	84	2	4	2	1	-	-	-	10
New Hampshire.....	3	56	68	-	6	1	8	-	-	-	1
Vermont.....	1	1	21	-	1	-	27	-	-	-	5
Massachusetts.....	12	207	150	2	28	14	335	-	-	-	172
Rhode Island.*.....	-	1	27	-	4	1	38	-	-	-	79
Connecticut.....	19	167	42	3	17	14	218	-	-	-	136
MIDDLE ATLANTIC.....	98	1,376	1,132	10	179	130	228	-	-	-	330
New York City.....	51	379	180	-	32	20	127	-	-	-	144
New York, Up-State.....	24	682	264	3	30	33	NN	-	-	-	61
New Jersey.....	17	225	278	3	66	54	101	-	-	-	124
Pennsylvania.....	6	90	410	4	51	23	NN	-	-	-	1
EAST NORTH CENTRAL...	171	2,260	2,735	14	127	91	1,674	-	-	-	602
Ohio.....	23	185	467	6	33	37	52	-	-	-	83
Indiana.....	29	357	312	-	17	13	170	-	-	-	32
Illinois.....	63	941	416	3	30	17	241	-	-	-	295
Michigan.....	7	142	579	5	35	17	683	-	-	-	50
Wisconsin.....	49	635	961	-	12	7	528	-	-	-	142
WEST NORTH CENTRAL...	9	229	1,559	1	49	39	522	-	-	-	125
Minnesota.....	-	6	68	1	13	8	-	-	-	-	1
Iowa.*.....	-	56	367	-	3	9	443	-	-	-	120
Missouri.....	1	60	111	-	10	9	1	-	-	-	1
North Dakota.....	4	69	585	-	2	-	24	-	-	-	3
South Dakota.....	1	4	39	-	4	5	NN	-	-	-	-
Nebraska.....	3	27	389	-	4	7	54	-	-	-	-
Kansas.....	-	7	NN	-	13	1	-	-	-	-	-
SOUTH ATLANTIC.....	69	871	3,904	18	256	172	266	-	-	-	217
Delaware.....	-	7	27	1	3	5	5	-	-	-	-
Maryland.....	9	50	68	1	16	20	33	-	-	-	19
Dist. of Columbia..	-	5	11	-	9	3	2	-	-	-	-
Virginia.....	9	160	1,219	3	19	13	30	-	-	-	28
West Virginia.....	1	149	694	-	6	15	55	-	-	-	45
North Carolina.....	18	220	685	4	57	34	NN	-	-	-	-
South Carolina.....	-	16	253	2	46	14	1	-	-	-	1
Georgia.....	-	3	23	2	47	30	-	-	-	-	-
Florida.....	32	261	924	5	53	38	140	-	-	-	124
EAST SOUTH CENTRAL...	54	308	3,638	10	99	88	176	-	-	-	290
Kentucky.....	19	97	1,015	8	40	25	64	-	-	-	173
Tennessee.....	-	43	1,216	1	29	38	94	-	-	-	40
Alabama.....	5	71	843	-	14	16	14	-	-	-	77
Mississippi.....	30	97	564	1	16	9	4	-	-	-	-
WEST SOUTH CENTRAL...	219	2,478	12,726	4	223	146	443	-	-	6	90
Arkansas.....	-	-	1,312	1	13	16	-	-	-	-	-
Louisiana.....	2	3	82	-	56	55	1	-	-	-	1
Oklahoma.*.....	-	83	3,210	-	41	8	4	-	-	-	-
Texas.*.....	217	2,392	8,122	3	113	67	438	-	-	6	89
MOUNTAIN.....	35	468	2,520	1	14	19	277	-	-	-	94
Montana.....	1	63	183	-	1	-	30	-	-	-	3
Idaho.....	-	11	275	1	3	1	16	-	-	-	-
Wyoming.....	1	40	14	-	-	-	11	-	-	-	-
Colorado.....	13	193	622	-	7	10	96	-	-	-	62
New Mexico.....	4	45	393	-	-	3	16	-	-	-	5
Arizona.....	12	108	579	-	1	2	78	-	-	-	24
Utah.....	1	3	224	-	-	1	12	-	-	-	-
Nevada.....	3	5	230	-	2	2	18	-	-	-	-
PACIFIC.....	96	1,447	6,669	5	142	175	911	-	-	8	456
Washington.....	16	352	3,274	1	24	18	245	-	-	-	67
Oregon.....	21	317	818	-	14	13	10	-	-	-	9
California.....	59	751	2,420	4	95	136	609	-	-	8	355
Alaska.....	-	-	87	-	-	8	35	-	-	-	14
Hawaii.....	-	27	70	-	9	-	12	-	-	-	11
Puerto Rico.....	35	195	1,205	-	15	7	33	-	-	-	4

*Delayed reports: Measles: R. I. delete 2, Iowa 15, Okla. 26
Mumps: Me. 2
Poliomyelitis, paralytic: Tex. delete 1
Rubella: Me. 4

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TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
APRIL 13, 1968 AND APRIL 15, 1967 (15th WEEK) - CONTINUED

AREA	STREPTOCOCCAL SORE THROAT & SCARLET FEVER	TETANUS		TULAREMIA		TYPHOID		TYPHUS FEVER TICK-BORNE (Rky. Mt. Spotted)		RABIES IN ANIMALS	
	1968	1968	Cum. 1968	1968	Cum. 1968	1968	Cum. 1968	1968	Cum. 1968	1968	Cum. 1968
UNITED STATES...	9,110	4	31	1	19	1	66	-	4	79	1,114
NEW ENGLAND.....	1,613	-	-	-	-	-	2	-	-	6	46
Maine.*.....	33	-	-	-	-	-	-	-	-	5	44
New Hampshire.....	80	-	-	-	-	-	-	-	-	1	2
Vermont.....	20	-	-	-	-	-	-	-	-	-	-
Massachusetts.....	294	-	-	-	-	-	1	-	-	-	-
Rhode Island.....	209	-	-	-	-	-	-	-	-	-	-
Connecticut.....	977	-	-	-	-	-	1	-	-	-	-
MIDDLE ATLANTIC.....	261	-	6	-	-	-	7	-	-	-	10
New York City.....	36	-	3	-	-	-	5	-	-	-	-
New York, Up-State.....	179	-	3	-	-	-	1	-	-	-	6
New Jersey.....	NN	-	-	-	-	-	-	-	-	-	-
Pennsylvania.....	46	-	-	-	-	-	1	-	-	-	4
EAST NORTH CENTRAL...	1,067	-	3	1	4	-	9	-	-	3	64
Ohio.*.....	244	-	-	-	1	-	6	-	-	-	29
Indiana.....	278	-	-	-	-	-	1	-	-	2	17
Illinois.....	159	-	2	1	2	-	1	-	-	-	7
Michigan.....	238	-	1	-	1	-	-	-	-	-	3
Wisconsin.....	148	-	-	-	-	-	1	-	-	1	8
WEST NORTH CENTRAL...	500	-	2	-	4	-	4	-	-	24	245
Minnesota.....	47	-	-	-	-	-	-	-	-	6	54
Iowa.....	140	-	-	-	-	-	-	-	-	4	43
Missouri.....	4	-	2	-	2	-	3	-	-	1	44
North Dakota.....	64	-	-	-	-	-	-	-	-	8	46
South Dakota*.....	42	-	-	-	1	-	1	-	-	-	34
Nebraska.....	156	-	-	-	-	-	-	-	-	2	11
Kansas.....	47	-	-	-	1	-	-	-	-	3	13
SOUTH ATLANTIC.....	988	2	4	-	4	-	18	-	3	8	134
Delaware.....	1	-	-	-	-	-	-	-	-	-	-
Maryland.....	49	-	-	-	-	-	4	-	-	-	2
Dist. of Columbia..	-	1	1	-	-	-	-	-	-	-	-
Virginia.....	304	-	1	-	1	-	3	-	2	2	69
West Virginia.....	218	-	-	-	-	-	-	-	-	4	18
North Carolina.....	26	1	2	-	2	-	2	-	1	1	4
South Carolina.....	7	-	-	-	-	-	-	-	-	-	-
Georgia.....	15	-	-	-	1	-	6	-	-	-	10
Florida.....	368	-	-	-	-	-	3	-	-	1	31
EAST SOUTH CENTRAL...	1,255	2	4	-	4	1	11	-	1	19	327
Kentucky.....	78	1	1	-	1	-	1	-	-	10	150
Tennessee.....	892	-	-	-	3	-	7	-	-	8	163
Alabama.....	122	-	1	-	-	-	-	-	-	1	14
Mississippi.....	163	1	2	-	-	1	3	-	1	-	-
WEST SOUTH CENTRAL...	446	-	5	-	1	-	4	-	-	14	209
Arkansas.....	13	-	-	-	-	-	-	-	-	2	27
Louisiana.....	4	-	4	-	-	-	1	-	-	1	24
Oklahoma.....	24	-	-	-	1	-	1	-	-	3	66
Texas.....	405	-	1	-	-	-	2	-	-	8	92
MOUNTAIN.....	1,523	-	-	-	2	-	5	-	-	4	16
Montana.....	33	-	-	-	-	-	-	-	-	-	-
Idaho.....	113	-	-	-	-	-	-	-	-	-	-
Wyoming.*.....	96	-	-	-	-	-	-	-	-	-	1
Colorado.....	826	-	-	-	1	-	2	-	-	-	1
New Mexico.....	102	-	-	-	-	-	3	-	-	2	6
Arizona.....	148	-	-	-	-	-	-	-	-	2	8
Utah.....	205	-	-	-	1	-	-	-	-	-	-
Nevada.....	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	1,457	-	7	-	-	-	6	-	-	1	63
Washington.....	287	-	-	-	-	-	-	-	-	-	-
Oregon.....	181	-	-	-	-	-	-	-	-	-	-
California.....	847	-	7	-	-	-	6	-	-	1	63
Alaska.....	63	-	-	-	-	-	-	-	-	-	-
Hawaii.....	79	-	-	-	-	-	-	-	-	-	-
Puerto Rico.....	7	-	1	-	-	-	-	-	-	-	11

*Delayed reports: SST: Me. 8, Ohio delete 1, Wyo. 165

Rabies in animals: S.D. 34

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TABLE IV. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED APRIL 13, 1968

(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		
NEW ENGLAND:	658	399	28	40	SOUTH ATLANTIC:	1,037	552	48	38
Boston, Mass.-----	253	130	10	19	Atlanta, Ga.-----	118	53	6	4
Bridgeport, Conn.-----	30	20	-	-	Baltimore, Md.-----	201	95	6	3
Cambridge, Mass.-----	27	18	-	1	Charlotte, N. C.-----	44	23	6	3
Fall River, Mass.-----	34	24	-	1	Jacksonville, Fla.-----	69	34	5	2
Hartford, Conn.-----	45	31	1	3	Miami, Fla.-----	99	61	1	5
Lowell, Mass.-----	20	12	2	2	Norfolk, Va.-----	56	29	1	1
Lynn, Mass.-----	24	14	2	3	Richmond, Va.-----	22	10	6	-
New Bedford, Mass.-----	22	17	1	-	Savannah, Ga.-----	25	13	1	4
New Haven, Conn.-----	33	24	-	2	St. Petersburg, Fla.-----	89	71	5	1
Providence, R. I.-----	49	28	-	3	Tampa, Fla.-----	75	52	3	1
Somerville, Mass.-----	8	5	-	-	Washington, D. C.-----	198	83	6	13
Springfield, Mass.-----	46	29	3	1	Wilmington, Del.-----	41	28	2	1
Waterbury, Conn.-----	21	14	-	1					
Worcester, Mass.-----	46	33	9	4	EAST SOUTH CENTRAL:	596	338	33	49
MIDDLE ATLANTIC:	3,211	1,910	129	115	Birmingham, Ala.-----	70	41	5	6
Albany, N. Y.-----	46	26	-	5	Chattanooga, Tenn.-----	38	24	5	3
Allentown, Pa.-----	30	17	2	-	Knoxville, Tenn.-----	37	21	1	2
Buffalo, N. Y.-----	124	71	4	9	Louisville, Ky.-----	136	64	7	23
Camden, N. J.-----	39	21	4	1	Memphis, Tenn.-----	129	79	5	7
Elizabeth, N. J.-----	35	21	1	-	Mobile, Ala.-----	48	28	1	3
Erie, Pa.-----	34	22	2	-	Montgomery, Ala.-----	37	19	5	2
Jersey City, N. J.-----	60	34	2	3	Nashville, Tenn.-----	101	62	4	3
Newark, N. J.-----	72	33	4	2	WEST SOUTH CENTRAL:	1,145	568	48	76
New York City, N. Y.-----	1,664	1,002	66	53	Austin, Tex.-----	41	17	7	3
Paterson, N. J.-----	26	13	2	-	Baton Rouge, La.-----	36	23	-	1
Philadelphia, Pa.-----	510	286	10	23	Corpus Christi, Tex.-----	48	24	3	2
Pittsburgh, Pa.-----	182	109	5	9	Dallas, Tex.-----	172	88	1	5
Reading, Pa.-----	48	36	1	-	El Paso, Tex.-----	43	19	3	5
Rochester, N. Y.-----	106	65	9	4	Fort Worth, Tex.-----	81	41	1	7
Schenectady, N. Y.-----	26	18	4	-	Houston, Tex.-----	223	88	12	24
Scranton, Pa.-----	29	19	1	-	Little Rock, Ark.-----	47	29	-	2
Syracuse, N. Y.-----	57	42	1	1	New Orleans, La.-----	145	67	4	5
Trenton, N. J.-----	51	28	4	2	Oklahoma City, Okla.-----	71	32	2	8
Utica, N. Y.-----	30	18	6	1	San Antonio, Tex.-----	118	62	4	12
Yonkers, N. Y.-----	42	29	1	2	Shreveport, La.-----	68	43	5	-
					Tulsa, Okla.-----	52	35	6	2
EAST NORTH CENTRAL:	2,582	1,460	81	118	MOUNTAIN:	399	232	20	15
Akron, Ohio-----	63	33	-	7	Albuquerque, N. Mex.-----	41	22	4	4
Canton, Ohio-----	36	23	1	1	Colorado Springs, Colo.-----	19	10	2	1
Chicago, Ill.-----	695	373	33	18	Denver, Colo.-----	100	54	8	4
Cincinnati, Ohio-----	176	106	6	8	Ogden, Utah-----	15	11	-	-
Cleveland, Ohio-----	203	117	3	6	Phoenix, Ariz.-----	92	56	2	1
Columbus, Ohio-----	124	63	6	9	Pueblo, Colo.-----	29	23	1	-
Dayton, Ohio-----	85	48	5	4	Salt Lake City, Utah-----	45	21	-	2
Detroit, Mich.-----	348	207	5	11	Tucson, Ariz.-----	58	35	3	3
Evansville, Ind.-----	37	23	-	2	PACIFIC:	1,568	952	34	53
Flint, Mich.-----	30	19	-	2	Berkeley, Calif.-----	22	14	-	1
Fort Wayne, Ind.-----	49	34	2	1	Fresno, Calif.-----	52	33	-	3
Gary, Ind.-----	33	15	4	3	Glendale, Calif.-----	18	10	-	-
Grand Rapids, Mich.-----	60	39	2	8	Honolulu, Hawaii-----	37	15	-	7
Indianapolis, Ind.-----	173	82	4	15	Long Beach, Calif.-----	79	50	5	1
Madison, Wis.-----	39	22	2	5	Los Angeles, Calif.-----	504	313	11	15
Milwaukee, Wis.-----	129	83	2	6	Oakland, Calif.-----	109	66	2	4
Peoria, Ill.-----	41	18	-	4	Pasadena, Calif.-----	28	19	-	-
Rockford, Ill.-----	37	23	1	1	Portland, Oreg.-----	116	67	-	4
South Bend, Ind.-----	34	18	1	2	Sacramento, Calif.-----	63	40	-	4
Toledo, Ohio-----	126	77	4	2	San Diego, Calif.-----	101	52	3	5
Youngstown, Ohio-----	64	37	-	3	San Francisco, Calif.-----	164	97	4	2
WEST NORTH CENTRAL:	749	447	32	33	San Jose, Calif.-----	40	24	2	1
Des Moines, Iowa-----	71	39	5	3	Seattle, Wash.-----	146	82	6	5
Duluth, Minn.-----	23	18	-	3	Spokane, Wash.-----	59	46	1	1
Kansas City, Kans.-----	31	15	4	3	Tacoma, Wash.-----	30	24	-	-
Kansas City, Mo.-----	138	73	4	3	Total	11,945	6,858	453	537
Lincoln, Nebr.-----	23	17	-	1					
Minneapolis, Minn.-----	93	67	4	4					
Omaha, Nebr.-----	75	41	1	8					
St. Louis, Mo.-----	163	106	4	3					
St. Paul, Minn.-----	67	36	2	3					
Wichita, Kans.-----	65	35	8	2					

TETANUS - (Continued from page 131)

The geographic distribution of neonatal tetanus clearly indicates that the problem is localized to the South Atlantic and South Central divisions (Figure 5). All but three cases were reported from these divisions and Texas alone accounted for 56 percent of the total number of cases.

Figure 5
GEOGRAPHIC DISTRIBUTION OF CASES
OF NEONATAL TETANUS - 1965-1966



(Reported by Special Pathogens Unit, Bacterial Diseases Section, and Statistics Section, Epidemiology Program, NCDC.)

EPIDEMIOLOGIC NOTES AND REPORTS
FOLLOW-UP MEASLES - Rockport, Montana

The outbreak in the Montana, Hutterite colony known as Rockport (MMWR, Vol. 17, No. 13) has been confirmed serologically as consistent with measles. On March 26, sera were obtained from 33 previously ill colony members. A sample of 12 sera, including sera from the index case, cases in the first and second waves of the epidemic, the most severe clinical cases, and the last cases, were tested for rubella and rubeola antibodies by the hemagglutination inhibition (HAI) test. All 12 sera were positive for rubeola; nine were positive for rubeola at 1:64 and three were positive at 1:32. Of the 12, eight sera had no HAI antibody for rubella at 1:10 and four had titers of 1:80, 1:320, 1:640, and 1:1280, respectively. Of these four sera, three were from patients with documented fevers of 105°F. One of these three patients was seen by a physician who made the diagnosis of measles based on fever, conjunctivitis, rash, cough, coryza, and Koplik's spots; this patient was hospitalized because of a complicating bronchitis.

Further evaluation of this epidemic is in progress. (Reported by State Services Section, Epidemiology Program, and Viral Immunoserology Unit, Virology Section, Laboratory Program, NCDC.)

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

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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:

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

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.

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