



Morbidity and Mortality

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MEASLES - MASON COUNTY, KENTUCKY

Since the measles immunization campaign among school children in Mason County (MMWR, Vol. 14, No. 44), there have been 12 additional cases of measles reported. All of these cases were directly related to the Orangeburg School outbreak in Maysville, Kentucky. Ten of them occurred in preschool children who were either siblings or contacts of school cases; of these 10, five had been given measles vaccine 2 to 6 days following a known exposure to measles. The other two cases were in Orangeburg School second graders who were vaccinated 8 and 9 days respectively before they developed symptoms which have been diagnosed as measles rather than reactions to measles vaccine.

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In Mays Lick, Kentucky, some 10 miles from Maysville, two cases of measles in preschool children occurred on November 11 and resulted from a known contact with an Orangeburg School case. The school-age siblings of these two Mays Lick cases were immunized in the county-wide campaign early in November and had not developed measles by the first week in December.

(Continued on page 410)

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

DISEASE	48th WEEK ENDED		MEDIAN 1960 - 1964	CUMULATIVE, FIRST 48 WEEKS		
	DECEMBER 4, 1965	NOVEMBER 28, 1964		1965	1964	MEDIAN 1960 - 1964
Aseptic meningitis	47	39	39	1,979	2,003	2,398
Brucellosis	1	7	7	227	372	372
Diphtheria	1	2	10	149	249	423
Encephalitis, primary infectious	30	43	---	1,763	3,040	---
Encephalitis, post-infectious	8	7	---	618	749	---
Hepatitis, infectious including serum hepatitis	748	557	912	31,167	34,973	39,642
Measles	2,630	2,272	2,907	253,373	475,806	413,445
Meningococcal infections	70	41	41	2,806	2,559	2,030
Poliomyelitis, Total	—	5	18	52	113	848
Paralytic	—	4	13	38	89	673
Nonparalytic	—	1	---	10	13	---
Unspecified	—	—	---	4	11	---
Streptococcal Sore Throat and Scarlet fever	8,194	6,331	6,327	358,429	360,761	290,856
Tetanus	6	3	---	256	254	---
Tularemia	—	4	---	230	304	---
Typhoid fever	15	11	11	421	422	589
Rabies in Animals	77	98	52	3,976	4,163	3,365

NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	7	Rabies in Man:	1
Botulism:	13	Smallpox:	—
Leptospirosis:	51	Trichinosis: Calif.-2	105
Malaria: Calif.-1	75	Typhus -	
Plague:	6	Murine:	26
Psittacosis: Fla.-1, Minn.-1, Tenn.-3	47	Rky. Mt. Spotted: N.C.-1, Va.-1	260
Cholera:	2		

MEASLES - MASON COUNTY, KENTUCKY

(Continued from front page)

Four weeks after the Mason County immunization campaign, telephone inquiries were made from the 13 physicians in Mason County regarding calls from parents of the 345 children who had been given measles vaccine. Seven of the physicians had not had any such calls; six had received one call each and of these only four had

actually seen the child concerned. No severe reactions had been noted.

(Reported by Mr. J.R. Sills, Administrator, Mason County Health Department; Dr. Joseph W. Skaggs, Kentucky State Health Department; and an EIS Officer.)

MEASLES - DOVER, NEW JERSEY

There have been 115 cases of measles reported in Dover, New Jersey, between September 24 and November 29. Dover, which has a population of 13,070, has four elementary schools with a total enrollment of 1,206 children in kindergarten through third grades. The outbreak has been largely localized in one elementary school which had 82 cases. The other three elementary schools had four, three and no cases respectively. There were 20 cases in preschool children, 4 cases in a junior high school and 2 cases reported from schools outside Dover. The age distribution of all cases and the attack rates by class in the elementary school with 82 cases are in Tables 1 and 2.

spread was considered to be intra-familial from a primary case in the family to other siblings; in 10 such families the primary case was a school-age child.

The peak of measles incidence occurred during the week of November 14-20, and besides being localized largely to one elementary school, was also localized to one area of the town. The Health Department anticipated further outbreaks in other schools and areas in town and decided that the intensive vaccination of all susceptible school children might avert an epidemic. Arrangements were accordingly made by the Dover Health Officer and local physicians for a combined measles immunization program to be carried out in the three public and one parochial elementary schools involved.

Analysis of school records and permission notes from parents indicated that 627 children had had measles previously or had been immunized against measles. This left 579 children regarded as susceptible and on December 2, 465 of these children were given further attenuated live virus vaccine. This would be expected to reduce the percentage of susceptibles in the elementary school-age group to approximately 10 percent. It is of importance that this cooperative campaign has also resulted in a marked increase in the number of children of all ages attending physicians' offices and child health clinics for measles immunizations. During the period November 29 to December 3 an estimated 600 additional children were immunized in this way.

Officials of the Dover Board of Health and New Jersey State Department of Health are continuing surveillance to obtain pertinent post-immunization data in the child community.

(Reported by Mr. William J. Young, Health Officer, Dover, New Jersey; Dr. Donald Myers, Director, Northern State Health District; Dr. William J. Dougherty, Director, Division of Preventable Diseases, New Jersey State Department of Health; and an EIS Officer.)

Table 1

Age	<1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	Total
Number	0	3	4	6	8	20	26	17	12	7	2	4	1	3	2	115

Table 2
EAST DOVER SCHOOL

Grade	Cases	Enrollment	Attack Rate
K	21	89	24%
1	29	82	35%
2	13	103	13%
3	7	94	7%
4	5	99	5%
Other	7	369	0.2%
Total	82	836	10%

Analysis of cases by families showed that there were 56 cases in 21 different families. In 11 of these families,

STAPHYLOCOCCAL FOOD POISONING

CINCINNATI, OHIO

Two outbreaks of acute staphylococcal enteritis, associated with cream-filled doughnuts and eclairs from the same bakery, have been reported from Cincinnati.

On October 23, three members of one family, the father, mother and a son of 16 years, developed severe diarrhea and vomiting 4 to 6 hours after eating cream-filled doughnuts. All recovered without mishap. A fourth member of the family, who did not eat the doughnuts, was not affected. The doughnuts had been purchased from a certain bakery the previous day and had been kept in a cupboard at room temperature for 24 hours before they were eaten. No specimens were obtained either from the patients or of the doughnuts, so further studies were not possible.

On October 25, it was reported that 40 people had become ill after eating chocolate eclairs at a college function. Investigation by the City Health Department failed to reveal more than seven people who had actually been ill. In these, the onset of the illness was from 4 to 7 hours after eating the eclairs and those affected had complained of nausea, vomiting, and some diarrhea.

The college function had been planned for 3 p.m. on October 25, but had been postponed until 7 p.m. The chocolate eclairs, which had been purchased from the same bakery as the doughnuts, had been kept at room temperature in the college for 10 hours.

On examination the eclairs were found to be heavily contaminated with staphylococci and there were also large numbers of coliform organisms present. Eclairs from the bakery were likewise heavily contaminated with staphylococci. Two isolates of staphylococci from the college eclairs were coagulase positive, one isolate being phage type 7 and the other being untypable.

All 15 members of the bakery and its food service staff were examined and nasal swabs taken. Only two persons, both of whom had been engaged in preparing the eclairs, had positive cultures. Each had a staphylococcal lesion on a finger and isolates from each of these lesions were coagulase positive. The phage type from one isolate was type 3C; that from the other isolate was untypable.

Eclairs from the bakery and from the college were tested for staphylococcal toxins. No toxins were demonstrated in the eclairs but a strain of staphylococcus isolated from them produced enterotoxin A. Further laboratory studies are in progress and the possibility of an unidentified enterotoxin being responsible is being explored.

(Reported by Dr. Thomas A. Cockburn, Assistant Commissioner of Health and Director, Division of Research, Mr. Harold Cook, Director of Cincinnati Public Health Laboratories, and Mr. Charles Lenzer, Chief Sanitarian, Cincinnati Department of Health, Ohio.)

INTERNATIONAL NOTES

YELLOW FEVER - Senegal, West Africa

An outbreak of yellow fever in Senegal has been reported from Diourbel, 100 km due east of Dakar. The first case was confirmed by histology on November 12. Since then there have been 23 fatal cases of confirmed yellow fever reported to WHO.

The ages of the first 11 fatal cases histologically confirmed have ranged from 1 year to 26 years, 9 of the cases being 10 years of age or younger. In the area of the outbreak, children under 10 years appear to be most susceptible. Previous yellow fever vaccination campaigns have resulted in an immunity level around 70 percent of the population over 20 years of age. These campaigns were carried out with the Dakar vaccine and did not include children under 10 years of age.

A mass vaccination campaign was started on November 16 using the Dakar vaccine for persons 10 years and over and the Rockefeller 17D vaccine for children under 10 years of age.

This is the first time yellow fever has been reported in Senegal since November 1, 1953 and is the first reported since December 1964 in Africa as a whole, when there were six cases in Portuguese Guinea.

(Data obtained from the World Health Organization Weekly Epidemiological Records, No. 46, Nov. 19, 1965, and No. 48, Dec. 3, 1965.)

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CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

DECEMBER 4, 1965 AND NOVEMBER 28, 1964 (48th WEEK) - Continued

Area	Brucel- losis	Infectious Hepatitis including Serum Hepatitis					Meningococcal Infections			Tetanus	
		Total incl. unk.	Under 20 years	20 years and over	Cumulative Totals		Cumulative	1965	1964	1965	Cum. 1965
					1965	1964					
UNITED STATES...	1	748	393	317	31,167	34,973	70	2,806	2,559	6	256
NEW ENGLAND.....	-	40	22	18	1,771	3,140	2	144	82	1	7
Maine.....	-	5	2	3	308	973	-	18	6	-	-
New Hampshire.....	-	1	1	-	166	246	-	9	2	-	2
Vermont.....	-	-	-	-	90	366	-	8	4	-	-
Massachusetts.....	-	19	12	7	707	723	1	54	31	1	4
Rhode Island.....	-	7	2	5	195	202	1	17	11	-	-
Connecticut.....	-	8	5	3	305	630	-	38	28	-	1
MIDDLE ATLANTIC.....	-	203	98	105	5,539	7,666	11	375	329	2	19
New York City.....	-	21	7	14	1,137	1,201	2	61	45	2	3
New York, Up-State.....	-	112	49	63	2,079	3,338	2	107	100	-	6
New Jersey.....	-	22	8	14	1,019	1,255	4	100	104	-	2
Pennsylvania.....	-	48	34	14	1,304	1,872	3	107	80	-	8
EAST NORTH CENTRAL...	1	120	73	44	6,078	5,587	10	425	341	-	35
Ohio.....	-	25	19	6	1,640	1,474	3	117	89	-	3
Indiana.....	-	8	4	3	511	462	1	50	54	-	9
Illinois.....	-	25	16	9	1,150	1,057	3	113	92	-	16
Michigan.....	-	56	32	24	2,398	2,208	2	97	75	-	3
Wisconsin.....	1	6	2	2	379	386	1	48	31	-	4
WEST NORTH CENTRAL...	-	40	21	19	1,736	1,930	3	137	143	-	22
Minnesota.....	-	6	2	4	199	218	-	32	32	-	9
Iowa.....	-	6	3	3	568	341	-	12	9	-	4
Missouri.....	-	15	10	5	392	482	1	54	64	-	4
North Dakota.....	-	4	1	3	34	63	1	13	20	-	1
South Dakota.....	-	-	-	-	22	134	-	3	3	-	-
Nebraska.....	-	-	-	-	89	69	-	10	6	-	2
Kansas.....	-	9	5	4	432	623	1	13	9	-	2
SOUTH ATLANTIC.....	-	61	36	22	3,186	3,249	17	530	501	1	62
Delaware.....	-	-	-	-	78	73	1	11	7	-	-
Maryland.....	-	13	9	4	569	588	3	53	38	-	3
Dist. of Columbia..	-	2	-	-	49	68	-	11	16	-	-
Virginia.....	-	7	5	1	743	517	3	71	61	-	6
West Virginia.....	-	11	9	2	436	460	1	27	35	-	1
North Carolina.....	-	14	4	10	323	527	1	110	87	-	11
South Carolina.....	-	2	2	-	137	147	1	65	57	-	7
Georgia.....	-	1	1	-	112	106	1	61	81	-	10
Florida.....	-	11	6	5	739	763	6	121	119	1	24
EAST SOUTH CENTRAL...	-	58	31	16	2,225	2,381	5	215	194	-	32
Kentucky.....	-	30	14	5	808	842	4	83	67	-	8
Tennessee.....	-	21	13	8	753	842	1	68	58	-	10
Alabama.....	-	3	1	2	385	462	-	39	43	-	12
Mississippi.....	-	4	3	1	279	235	-	25	26	-	2
WEST SOUTH CENTRAL...	-	44	24	20	2,617	2,725	11	351	287	2	53
Arkansas.....	-	10	4	6	334	272	-	18	31	1	13
Louisiana.....	-	6	3	3	445	654	6	192	129	1	9
Oklahoma.....	-	-	-	-	54	131	-	21	14	-	1
Texas.....	-	28	17	11	1,784	1,668	5	120	113	-	30
MOUNTAIN.....	-	35	22	6	1,702	2,114	2	100	91	-	3
Montana.....	-	2	1	1	148	180	-	2	1	-	-
Idaho.....	-	1	-	-	195	299	-	13	4	-	-
Wyoming.....	-	2	2	-	50	86	-	5	5	-	-
Colorado.....	-	2	1	1	360	554	-	27	21	-	2
New Mexico.....	-	23	18	3	371	300	-	11	35	-	-
Arizona.....	-	4	-	-	359	465	-	20	8	-	1
Utah.....	-	1	-	1	204	179	-	17	7	-	-
Nevada.....	-	-	-	-	15	51	2	5	10	-	-
PACIFIC.....	-	147	66	67	6,313	6,181	9	529	591	-	23
Washington.....	-	11	2	9	488	620	4	45	48	-	-
Oregon.....	-	16	11	5	540	637	1	37	25	-	4
California.....	-	101	51	50	4,971	4,532	4	421	498	-	19
Alaska.....	-	14	-	-	231	275	-	18	7	-	-
Hawaii.....	-	5	2	3	83	117	-	8	13	-	-
Puerto Rico	-	25	16	9	1,323	961	-	11	35	2	56

Morbidity and Mortality Weekly Report

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
 FOR WEEKS ENDED
 DECEMBER 4, 1965 AND NOVEMBER 28, 1964 (48th WEEK) - Continued

Area	Measles			Strept. Sore Th. & Scarlet Fev.	Tularemia		Typhoid Fever		Rabies in Animals	
	1965	Cumulative			1965	Cum. 1965	1965	Cum. 1965	1965	Cum. 1965
		1965	1964							
UNITED STATES...	2,630	253,373	475,806	8,194	-	230	15	421	77	3,976
NEW ENGLAND.....	47	37,192	19,610	1,107	-	2	-	7	-	48
Maine.....	15	2,914	3,400	267	-	-	-	-	-	4
New Hampshire.....	-	383	670	20	-	-	-	-	-	5
Vermont.....	12	1,387	2,383	37	-	-	-	-	-	32
Massachusetts.....	15	19,372	6,190	149	-	2	-	3	-	2
Rhode Island.....	1	3,952	2,250	63	-	-	-	1	-	1
Connecticut.....	4	9,184	4,717	571	-	-	-	3	-	4
MIDDLE ATLANTIC.....	488	16,710	53,000	328	-	1	2	68	13	228
New York City.....	182	3,052	15,462	13	-	-	-	30	-	-
New York, up-State.....	59	4,344	13,006	205	-	1	1	16	12	212
New Jersey.....	140	3,187	12,299	65	-	-	-	7	-	-
Pennsylvania.....	107	6,127	12,233	45	-	-	1	15	1	16
EAST NORTH CENTRAL...	1,085	59,883	104,903	513	-	14	3	49	18	612
Ohio.....	37	9,033	19,902	37	-	-	1	10	9	330
Indiana.....	68	2,255	23,082	102	-	5	2	16	1	69
Illinois.....	180	3,395	16,746	65	-	6	-	11	4	88
Michigan.....	292	27,449	29,602	208	-	2	-	7	2	60
Wisconsin.....	508	17,751	15,571	101	-	1	-	5	2	65
WEST NORTH CENTRAL...	100	17,211	31,002	324	-	30	2	17	8	792
Minnesota.....	1	760	343	11	-	1	-	1	3	171
Iowa.....	48	9,235	23,531	82	-	-	-	2	2	222
Missouri.....	19	2,657	1,066	2	-	20	2	11	2	120
North Dakota.....	32	3,982	5,180	198	-	-	-	-	1	47
South Dakota.....	-	115	52	9	-	3	-	-	-	58
Nebraska.....	-	462	830	6	-	2	-	3	-	36
Kansas.....	NN	NN	NN	16	-	4	-	-	-	138
SOUTH ATLANTIC.....	202	26,319	39,558	880	-	34	-	78	8	516
Delaware.....	1	510	416	35	-	-	-	4	-	-
Maryland.....	11	1,216	3,437	150	-	-	-	21	1	27
Dist. of Columbia..	16	110	356	18	-	-	-	-	-	-
Virginia.....	5	4,190	12,874	191	-	8	-	9	4	311
West Virginia.....	126	14,561	9,351	240	-	-	-	3	2	25
North Carolina.....	1	411	1,247	24	-	8	-	15	-	3
South Carolina.....	28	1,148	4,295	18	-	3	-	9	-	3
Georgia.....	1	627	212	13	-	15	-	12	1	70
Florida.....	13	3,546	7,370	191	-	-	-	5	-	77
EAST SOUTH CENTRAL...	317	15,143	68,712	1,355	-	23	2	45	8	804
Kentucky.....	185	3,195	18,700	73	-	3	-	10	1	92
Tennessee.....	126	8,450	24,809	1,099	-	19	2	17	7	655
Alabama.....	4	2,351	18,457	123	-	1	-	10	-	16
Mississippi.....	2	1,147	6,746	60	-	-	-	8	-	41
WEST SOUTH CENTRAL...	153	31,706	73,219	917	-	96	1	60	19	642
Arkansas.....	-	1,088	1,150	1	-	66	-	15	5	95
Louisiana.....	4	120	121	3	-	7	1	11	2	83
Oklahoma.....	7	233	1,035	43	-	11	-	10	2	133
Texas.....	142	30,265	70,913	870	-	12	-	24	10	331
MOUNTAIN.....	107	20,584	20,485	1,505	-	16	-	32	2	95
Montana.....	32	3,874	3,777	75	-	4	-	1	-	5
Idaho.....	14	2,977	2,086	56	-	-	-	-	-	-
Wyoming.....	3	859	275	34	-	4	-	1	-	-
Colorado.....	19	5,935	3,350	568	-	-	-	1	-	9
New Mexico.....	1	688	911	392	-	-	-	12	-	21
Arizona.....	15	1,413	6,747	88	-	-	-	14	2	57
Utah.....	15	4,616	2,343	279	-	8	-	1	-	2
Nevada.....	8	222	996	13	-	-	-	2	-	1
PACIFIC.....	131	28,625	65,317	1,265	-	14	5	65	1	239
Washington.....	28	7,461	20,702	454	-	-	-	7	-	8
Oregon.....	17	3,422	8,885	24	-	5	-	8	-	9
California.....	82	13,490	33,804	652	-	9	5	49	1	220
Alaska.....	-	203	1,146	50	-	-	-	-	-	2
Hawaii.....	4	4,049	780	85	-	-	-	1	-	-
Puerto Rico	21	2,780	7,152	4	-	-	-	15	-	14

QUARANTINE MEASURES

Immunization Information for International Travel

1964-65 edition—Public Health Service Publication No. 384

The following information should be added to the list of Yellow Fever Vaccination Centers in Section 6:

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City: Las Vegas, Nevada

Center: Clark County District Health Department 625 Shadow Lane

Clinic Hours: Monday, 1:00-3:00 p.m.

Fee: Yes

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JAMES L. GODDARD, M.D.
A. D. LANGMUIR, M.D.
IDA L. SHERMAN, M.S.
D. A. HENDERSON, M.D.

EDITOR: MMWR

D.J.M. MACKENZIE, M.B., F.R.C.P.E.

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

NOTE: THE DATA IN THIS REPORT ARE PROVISIONAL AND ARE BASED ON WEEKLY TELEGRAMS TO THE CDC 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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