



# Morbidity and Mortality

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MEASLES - CURRENT TRENDS

A total of 253,373 cases of measles has been reported during the first 48 weeks of 1965. It is apparent that the total number of cases for 1965 will be the lowest recorded in recent years (Table I). A comparison of the incidence of measles reported through the 48th week of 1965 with the highest and lowest incidence during the previous 11 years is depicted in Figure 1.

During the 4-week interval ended 4th December, 6,981 cases were reported, 2,915 more than for the preceding 4 weeks. This follows the pattern of seasonal increase noted during comparable periods of past years, with epidemic peaks in the following April and May. If

CONTENTS

Measles - Current Trends . . . . . 417  
 Meningococcal Infections . . . . . 418  
 International Notes  
 Smallpox - Kulmbach, West Germany. . . . . 419

past experience is repeated, major epidemics are to be expected in many sections of the country during the next 6 months.

Nine States reported more than 300 cases each during the 4 weeks ended 4th December and together they have reported approximately two-thirds of the nation's total for this period. While the epidemiological picture  
*(Continued on page 418)*

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

DISEASE	49th WEEK ENDED		MEDIAN 1960 - 1964	CUMULATIVE, FIRST 49 WEEKS		
	DECEMBER 11, 1965	DECEMBER 5, 1964		1965	1964	MEDIAN 1960 - 1964
Aseptic meningitis . . . . .	34	38	42	2,013	2,041	2,441
Brucellosis . . . . .	8	8	11	235	380	380
Diphtheria . . . . .	2	26	26	151	275	432
Encephalitis, primary infectious . .	26	30	---	1,790	3,070	---
Encephalitis, post-infectious . . .	7	11	---	625	760	---
Hepatitis, infectious including serum hepatitis . . . . .	646	695	911	31,813	35,668	40,528
Measles . . . . .	3,070	2,712	3,693	256,443	478,518	417,027
Meningococcal infections . . . . .	48	60	52	2,854	2,619	2,083
Poliomyelitis, Total . . . . .	1	1	8	55	114	856
Paralytic . . . . .	1	—	5	39	89	678
Nonparalytic . . . . .	—	1	---	10	14	---
Unspecified . . . . .	—	—	---	6	11	---
Streptococcal Sore Throat and Scarlet fever . . . . .	8,732	7,744	7,454	367,161	368,505	298,310
Tetanus . . . . .	7	7	---	265	261	---
Tularemia . . . . .	3	6	---	233	310	---
Typhoid fever . . . . .	10	6	9	431	428	605
Rabies in Animals . . . . .	72	73	64	4,048	4,236	3,425

NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax: . . . . .	7	Rabies in Man: . . . . .	1
Botulism: Ky.-5 . . . . .	18	Smallpox: . . . . .	—
Leptospirosis: Mass.-1, Ohio-1, Calif.-1 . . . . .	54	Trichinosis: . . . . .	105
Malaria: N.C.-3, Ga.-1 . . . . .	79	Typhus—	
Plague: . . . . .	6	Murine: . . . . .	26
Psittacosis: Tenn.-1 . . . . .	48	Rky. Mt. Spotted: . . . . .	260
Cholera: . . . . .	2		

## MEASLES - CURRENT TRENDS

(Continued from front page)

may be modified by recording totals of cases without relation to the size of population at risk or to the efficacy of reporting, the numbers of cases reported by each of these States, except New York, Texas and Pennsylvania, exceed the average totals for the comparable periods of the preceding 4 years. (Table II)

(Reported by the Childhood Virus Disease Unit, Epidemiology Branch, CDC.)

Table 1  
REPORTED CASES OF MEASLES BY  
GEOGRAPHIC DIVISION  
Weeks 45-48, 1960-1965

Area	1960	1961	1962	1963	1964	1965
New England . . .	1,031	1,846	528	633	1,762	156
Middle Atlantic . .	2,490	1,195	1,091	1,622	426	1,196
E. N. Central . . .	2,404	1,718	3,606	1,603	1,229	2,617
W. N. Central . . .	435	475	564	284	551	363
South Atlantic . .	1,149	704	577	914	704	621
E. S. Central . . .	532	983	419	803	458	649
W. S. Central . . .	509	857	318	232	665	390
Mountain . . . . .	594	787	1,221	619	1,190	399
Pacific . . . . .	1,031	2,172	1,519	1,550	1,045	590
Total . . . . .	10,175	10,737	9,843	8,260	8,030	6,981

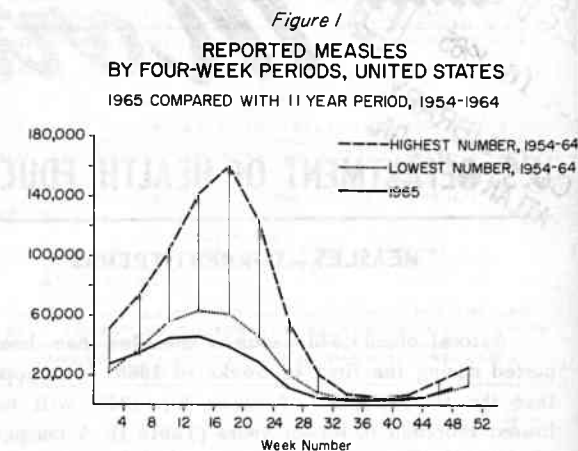


Table 2  
STATES REPORTING MORE THAN 300 CASES  
OF MEASLES  
Weeks 45-48, 1960-1965

State	1960	1961	1962	1963	1964	1965
Wisconsin . . . . .	906	267	1,891	201	359	1,316
Michigan . . . . .	403	432	960	314	458	606
New York (incl. NY City) . . . . .	1,044	696	378	684	189	551
Illinois . . . . .	136	725	229	495	64	395
West Virginia . .	171	227	338	233	406	374
Kentucky . . . . .	300	103	97	626	102	364
Texas . . . . .	442	767	255	227	651	359
New Jersey . . . .	354	235	177	418	44	344
Pennsylvania . .	1,092	264	536	520	193	301

## MENINGOCOCCAL INFECTIONS

There have been 2,806 cases of meningococcal infections reported in the United States from January 1 through December 4, 1965. This is an increase of 9.7 percent over the 2,559 cases reported through the 48th week of 1964 (Table 1). Figure 1 compares the incidence of reported cases by week in 1965 with the median number of cases reported during the preceding 5-year period of 1960-64. It is evident in Figure 1 that most of the increase in cases reported in 1965 occurred during the months of February, March, and April. Since that time the weekly incidence has deviated little from the median values of the preceding 5 years. A seasonal upward trend

in the weekly cases is apparent in recent weeks and further increases may be anticipated in the next several months.

Table 1  
MENINGOCOCCAL INFECTIONS (Cumulated Weekly)

	1965	1964	1963	1962	1961
Through 48th Week	2806*	2559	2165	1958	1971
Annual Total		2826	2470	2150	2232

\*Preliminary

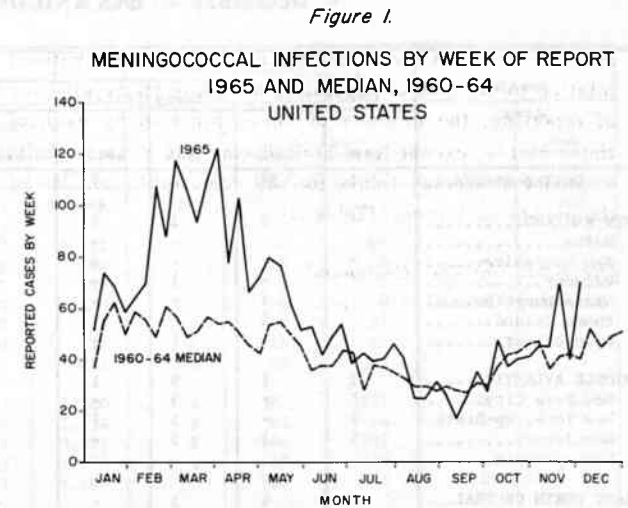
Table 2  
MENINGOCOCCAL INFECTIONS  
IN MILITARY PERSONNEL\*  
Through 48th Week, 1965

State	Total	Military	Percent
South Carolina	65	33	50.8
Missouri	54	23	42.6
Kentucky	83	27	32.5
Louisiana	192	27	14.1
Georgia	61	8	13.1
New Jersey	180	11	11.0
California	421	33	7.8
United States	2806	201	7.2

\*For those States with at least 7.8 percent of total cases in military personnel.

Meningococcal infections at military installations have remained at a relatively low level during the year. Through the 48th week of 1965, 201 cases were reported by State Health Departments at military installations, which is 7.2 percent of the total of 2,806 cases. In contrast, 14.3 percent of the total cases in 1964 were among military personnel or their dependents.

Of 293 meningococcus strains submitted to the Laboratory Branch of CDC from January 1 through October



15, 1965, for sulfadiazine sensitivity studies, 102 strains (35 percent) were not inhibited by 1.0 mg. percent of sulfadiazine. In 1964, 37 percent of the total submitted were not inhibited by 1.0 mg. percent of sulfadiazine (MMWR, Vol. 13, No. 50).

(Reported by the Investigations Section, Epidemiology Branch, CDC.)

## INTERNATIONAL NOTES

### SMALLPOX - KULMBACH, WEST GERMANY

An imported case of smallpox in Kulmbach, a town in West Germany of 23,700 inhabitants, was reported to the World Health Organization by the German Federal Ministry of Health on October 29, 1965. The infection occurred in a 49-year-old man who is a master machinist employed by a firm specializing in agricultural vehicles. He had gone to Tanzania at the end of September to demonstrate farm trailers and in the course of his work had visited Ifakara southwest of Dar es Salaam. Here no hotel accommodation was available and between October 1 and 13 the machinist stayed in a guest room in a mission hospital which had a ward on the same floor containing smallpox cases. He had been vaccinated at ages 1, 12 and 41 as well as in July 1965 just before his visit to Africa. The July revaccination resulted in formation of a red papule without vesiculation.

After leaving Ifakara, the machinist visited other areas of Tanzania, returning to Dar es Salaam on October 16 en route to Europe. He left Dar es Salaam on October 17 for Rome where he arrived the following day and spent 2½ hours in the airport transit area before going on to Munich by air. At Munich his wife met him and they

traveled by private car to Kulmbach, arriving there late October 18.

The next day, the machinist reported for duty at the factory, working all day on October 19 through 22; he also spent the morning of October 23 at the factory. During the morning of October 24 he developed a fever of 38°C accompanied by headache, lumbar pain and a cough. He consulted a doctor but apparently presented no specific signs and symptoms and, as his temperature fell to normal that evening, he returned to work the next day and was well enough to continue at work on October 25 and 26. On the evening of October 27 he developed a red macular rash over the forehead and face with a few scattered lesions over the shoulders and upper trunk. On the following morning he drove alone in his car to see his family physician. In view of the travel history, smallpox was suspected by the doctor and a consultation arranged with the chief public health physician. The patient again drove alone to the Kulmbach Public Health Clinic where the physician on duty concurred with the clinical diagnosis of suspect smallpox. The patient was

(Continued on page 424)



# Morbidity and Mortality Weekly Report

421

## CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

DECEMBER 11, 1965 AND DECEMBER 5, 1964 (49th 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		1965	Cumulative		1965	Cum. 1965
					1965	1964		1965	1964		
UNITED STATES...	8	646	273	342	31,813	35,668	48	2,854	2,619	7	265
NEW ENGLAND.....	-	28	10	18	1,799	3,182	3	147	89	-	7
Maine.....	-	8	2	6	316	984	-	18	7	-	-
New Hampshire.....	-	-	-	-	166	252	-	9	2	-	2
Vermont.....	-	1	-	1	91	370	-	8	4	-	-
Massachusetts.....	-	10	3	7	717	732	1	55	37	-	4
Rhode Island.....	-	3	2	1	198	210	1	18	11	-	-
Connecticut.....	-	6	3	3	311	634	1	39	28	-	1
MIDDLE ATLANTIC.....	-	124	43	81	5,663	7,800	6	381	337	2	21
New York City.....	-	39	9	30	1,176	1,236	2	63	46	1	4
New York, Up-State.....	-	43	16	27	2,122	3,391	2	109	102	-	6
New Jersey.....	-	19	6	13	1,038	1,279	1	101	106	-	2
Pennsylvania.....	-	23	12	11	1,327	1,894	1	108	83	1	9
EAST NORTH CENTRAL....	-	124	50	70	6,202	5,726	9	434	346	-	35
Ohio.....	-	30	13	17	1,670	1,508	1	118	91	-	3
Indiana.....	-	5	1	4	516	476	-	50	54	-	9
Illinois.....	-	23	7	15	1,173	1,089	5	118	92	-	16
Michigan.....	-	53	19	34	2,451	2,257	3	100	77	-	3
Wisconsin.....	-	13	10	-	392	396	-	48	32	-	4
WEST NORTH CENTRAL....	5	35	18	15	1,771	1,953	-	137	145	-	22
Minnesota.....	-	17	12	3	216	221	-	32	32	-	9
Iowa.....	1	7	2	5	575	345	-	12	9	-	4
Missouri.....	2	2	1	1	394	487	-	54	65	-	4
North Dakota.....	-	-	-	-	34	63	-	13	20	-	1
South Dakota.....	2	-	-	-	22	134	-	3	3	-	-
Nebraska.....	-	-	-	-	89	69	-	10	7	-	2
Kansas.....	-	9	3	6	441	634	-	13	9	-	2
SOUTH ATLANTIC.....	1	94	38	48	3,280	3,294	8	538	509	1	63
Delaware.....	-	8	3	-	86	74	-	11	7	-	-
Maryland.....	-	18	11	7	587	600	-	53	41	-	3
Dist. of Columbia..	-	1	-	1	50	69	-	11	17	-	-
Virginia.....	-	12	6	5	755	525	1	72	63	-	6
West Virginia.....	-	4	4	-	440	467	2	29	35	-	1
North Carolina.....	1	33	4	28	356	533	2	112	87	-	11
South Carolina.....	-	3	1	2	140	151	-	65	57	-	7
Georgia.....	-	4	4	-	116	106	-	61	82	-	10
Florida.....	-	11	5	5	750	769	3	124	120	1	25
EAST SOUTH CENTRAL....	-	38	20	17	2,263	2,427	6	221	197	2	34
Kentucky.....	-	12	10	1	820	856	3	86	68	-	8
Tennessee.....	-	12	6	6	765	860	-	68	60	2	12
Alabama.....	-	9	3	6	394	474	1	40	43	-	12
Mississippi.....	-	5	1	4	284	237	2	27	26	-	2
WEST SOUTH CENTRAL....	1	45	25	17	2,662	2,803	8	359	295	2	57
Arkansas.....	1	5	3	2	339	285	-	18	33	-	13
Louisiana.....	-	6	4	2	451	667	2	194	129	1	10
Oklahoma.....	-	-	-	-	54	132	-	21	15	-	1
Texas.....	-	34	18	13	1,818	1,719	6	126	118	1	33
MOUNTAIN.....	-	25	10	7	1,727	2,179	2	102	96	-	3
Montana.....	-	5	4	-	153	185	-	2	1	-	-
Idaho.....	-	1	-	-	196	307	-	13	4	-	-
Wyoming.....	-	1	-	1	51	91	1	6	5	-	-
Colorado.....	-	8	3	5	368	573	1	28	22	-	2
New Mexico.....	-	3	3	-	374	312	-	11	39	-	-
Arizona.....	-	6	-	-	365	475	-	20	8	-	1
Utah.....	-	1	-	1	205	185	-	17	7	-	-
Nevada.....	-	-	-	-	15	51	-	5	10	-	-
PACIFIC.....	1	133	59	69	6,446	6,304	6	535	605	-	23
Washington.....	-	10	5	5	498	640	2	47	48	-	-
Oregon.....	-	16	8	5	556	640	1	38	25	-	4
California.....	1	103	46	57	5,074	4,629	3	424	512	-	19
Alaska.....	-	2	-	-	233	278	-	18	7	-	-
Hawaii.....	-	2	-	2	85	117	-	8	13	-	-
Puerto Rico	-	15	9	6	1,338	962	-	11	36	1	57

## Morbidity and Mortality Weekly Report

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
FOR WEEKS ENDED  
DECEMBER 11, 1965 AND DECEMBER 5, 1964 (49th 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...	3,070	256,443	478,518	8,732	3	233	10	431	72	4,048
NEW ENGLAND.....	39	37,231	20,360	989	-	2	-	7	-	48
Maine.....	5	2,919	3,503	152	-	-	-	-	-	4
New Hampshire.....	-	383	760	30	-	-	-	-	-	5
Vermont.....	20	1,407	2,383	20	-	-	-	-	-	32
Massachusetts.....	2	19,374	6,530	179	-	2	-	3	-	2
Rhode Island.....	5	3,957	2,340	35	-	-	-	1	-	1
Connecticut.....	7	9,191	4,844	573	-	-	-	3	-	4
MIDDLE ATLANTIC.....	646	17,356	53,093	385	-	1	-	68	17	245
New York City.....	209	3,261	15,483	15	-	-	-	30	-	-
New York, up-State.....	63	4,407	13,032	261	-	1	-	16	17	229
New Jersey.....	238	3,425	12,319	60	-	-	-	7	-	-
Pennsylvania.....	136	6,263	12,259	49	-	-	-	15	-	16
EAST NORTH CENTRAL...	1,183	61,066	105,258	809	-	14	1	50	9	621
Ohio.....	97	9,130	19,970	44	-	-	-	10	3	333
Indiana.....	58	2,313	23,138	205	-	5	-	16	4	73
Illinois.....	236	3,631	16,758	118	-	6	-	11	2	90
Michigan.....	164	27,613	29,755	314	-	2	-	7	-	60
Wisconsin.....	628	18,379	15,637	128	-	1	1	6	-	65
WEST NORTH CENTRAL...	92	17,303	31,130	364	-	30	-	17	12	804
Minnesota.....	48	808	344	5	-	1	-	1	4	175
Iowa.....	26	9,261	23,561	100	-	-	-	2	3	225
Missouri.....	4	2,661	1,074	42	-	20	-	11	2	122
North Dakota.....	13	3,995	5,255	89	-	-	-	-	1	48
South Dakota.....	1	116	66	3	-	3	-	-	-	58
Nebraska.....	-	462	830	6	-	2	-	3	-	36
Kansas.....	NN	NN	NN	119	-	4	-	-	2	140
SOUTH ATLANTIC.....	195	26,514	39,879	897	1	35	1	79	9	525
Delaware.....	6	516	416	12	-	-	-	4	-	-
Maryland.....	24	1,240	3,442	116	-	-	-	21	-	27
Dist. of Columbia..	17	127	357	9	-	-	-	-	-	-
Virginia.....	4	4,194	12,925	172	1	9	-	9	9	320
West Virginia.....	98	14,659	9,596	307	-	-	-	3	-	25
North Carolina.....	1	412	1,259	17	-	8	1	16	-	3
South Carolina.....	19	1,167	4,295	42	-	3	-	9	-	3
Georgia.....	1	628	213	11	-	15	-	12	-	70
Florida.....	25	3,571	7,376	211	-	-	-	5	-	77
EAST SOUTH CENTRAL...	378	15,521	68,908	1,239	1	24	1	46	7	811
Kentucky.....	278	3,473	18,770	109	-	3	-	10	1	93
Tennessee.....	97	8,547	24,898	1,000	1	20	1	18	6	661
Alabama.....	2	2,353	18,490	91	-	1	-	10	-	16
Mississippi.....	1	1,148	6,750	39	-	-	-	8	-	41
WEST SOUTH CENTRAL...	227	31,933	73,424	868	1	97	-	60	17	659
Arkansas.....	100	1,188	1,150	-	-	66	-	15	2	97
Louisiana.....	1	121	121	3	1	8	-	11	-	83
Oklahoma.....	-	233	1,049	21	-	11	-	10	3	136
Texas.....	126	30,391	71,104	844	-	12	-	24	12	343
MOUNTAIN.....	123	20,707	20,864	1,748	-	16	-	32	-	95
Montana.....	20	3,894	3,949	68	-	4	-	1	-	5
Idaho.....	8	2,985	2,125	139	-	-	-	-	-	-
Wyoming.....	12	871	284	58	-	4	-	1	-	-
Colorado.....	22	5,957	3,377	690	-	-	-	1	-	9
New Mexico.....	-	688	969	411	-	-	-	12	-	21
Arizona.....	38	1,451	6,751	163	-	-	-	14	-	57
Utah.....	20	4,636	2,400	218	-	8	-	1	-	2
Nevada.....	3	225	1,009	1	-	-	-	2	-	1
PACIFIC.....	187	28,812	65,602	1,433	-	14	7	72	1	240
Washington.....	33	7,494	20,792	346	-	-	-	7	-	8
Oregon.....	25	3,447	8,918	20	-	5	-	8	-	9
California.....	124	13,614	33,911	936	-	9	7	56	1	221
Alaska.....	2	205	1,146	35	-	-	-	-	-	2
Hawaii.....	3	4,052	835	96	-	-	-	1	-	-
Puerto Rico	46	2,826	7,219	18	-	-	-	15	-	14

# Morbidity and Mortality Weekly Report

423

Week No. **Table 4. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED DECEMBER 11, 1965**

49

(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>	790	464	27	60	<b>SOUTH ATLANTIC:</b>	1,291	663	55	71
Boston, Mass.-----	293	159	10	24	Atlanta, Ga.-----	164	81	9	15
Bridgeport, Conn.-----	25	14	-	3	Baltimore, Md.-----	252	121	4	15
Cambridge, Mass.-----	29	19	-	-	Charlotte, N. C.-----	53	21	5	-
Fall River, Mass.-----	24	19	1	-	Jacksonville, Fla.-----	82	35	2	5
Hartford, Conn.-----	49	24	-	4	Miami, Fla.-----	100	58	-	5
Lowell, Mass.-----	36	22	2	2	Norfolk, Va.-----	61	32	3	5
Lynn, Mass.-----	18	11	2	-	Richmond, Va.-----	107	57	2	5
New Bedford, Mass.-----	30	19	1	3	Savannah, Ga.-----	29	9	3	3
New Haven, Conn.-----	41	25	1	3	St. Petersburg, Fla.-----	99	82	9	2
Providence, R. I.-----	61	34	1	3	Tampa, Fla.-----	87	56	7	4
Somerville, Mass.-----	19	14	1	3	Washington, D. C.-----	221	93	9	11
Springfield, Mass.-----	47	30	2	5	Wilmington, Del.-----	36	18	2	1
Waterbury, Conn.-----	27	15	-	1	<b>EAST SOUTH CENTRAL:</b>	761	402	46	50
Worcester, Mass.-----	91	59	6	9	Birmingham, Ala.-----	128	65	1	8
<b>MIDDLE ATLANTIC:</b>	3,405	1,991	137	180	Chattanooga, Tenn.-----	47	25	6	3
Albany, N. Y.-----	48	26	1	2	Knoxville, Tenn.-----	43	27	4	1
Allentown, Pa.-----	47	27	3	1	Louisville, Ky.-----	143	77	17	12
Buffalo, N. Y.-----	134	87	3	5	Memphis, Tenn.-----	194	94	6	20
Camden, N. J.-----	34	17	5	1	Mobile, Ala.-----	57	36	1	2
Elizabeth, N. J.-----	28	14	-	1	Montgomery, Ala.-----	51	26	8	1
Erie, Pa.-----	37	25	2	2	Nashville, Tenn.-----	98	52	3	3
Jersey City, N. J.-----	86	53	8	2	<b>WEST SOUTH CENTRAL:</b>	1,211	625	56	94
Newark, N. J.-----	92	43	3	19	Austin, Tex.-----	42	24	4	3
New York City, N. Y.-----	1,718	1,011	70	92	Baton Rouge, La.-----	30	20	1	-
Paterson, N. J.-----	35	23	2	3	Corpus Christi, Tex.-----	24	8	1	7
Philadelphia, Pa.-----	545	310	6	16	Dallas, Tex.-----	164	83	6	10
Pittsburgh, Pa.-----	175	89	1	10	El Paso, Tex.-----	22	11	3	2
Reading, Pa.-----	63	43	6	2	Fort Worth, Tex.-----	90	48	3	6
Rochester, N. Y.-----	111	64	9	13	Houston, Tex.-----	210	88	8	23
Schenectady, N. Y.-----	19	14	-	-	Little Rock, Ark.-----	61	35	3	5
Scranton, Pa.-----	40	26	1	1	New Orleans, La.-----	188	93	8	14
Syracuse, N. Y.-----	76	44	-	4	Oklahoma City, Okla.-----	85	52	-	4
Trenton, N. J.-----	43	24	6	2	San Antonio, Tex.-----	125	68	8	10
Utica, N. Y.-----	37	27	8	1	Shreveport, La.-----	70	32	3	6
Yonkers, N. Y.-----	37	24	3	3	Tulsa, Okla.-----	100	63	8	4
<b>EAST NORTH CENTRAL:</b>	2,780	1,560	97	161	<b>MOUNTAIN:</b>	419	240	32	25
Akron, Ohio-----	72	36	-	6	Albuquerque, N. Mex.-----	31	16	6	1
Canton, Ohio-----	34	23	6	1	Colorado Springs, Colo.-----	22	18	3	-
Chicago, Ill.-----	778	402	35	52	Denver, Colo.-----	124	69	9	8
Cincinnati, Ohio-----	175	110	4	9	Ogden, Utah-----	20	14	5	-
Cleveland, Ohio-----	186	101	1	5	Phoenix, Ariz.-----	106	62	6	10
Columbus, Ohio-----	146	82	4	12	Pueblo, Colo.-----	19	9	1	2
Dayton, Ohio-----	68	36	1	3	Salt Lake City, Utah-----	51	27	1	4
Detroit, Mich.-----	389	206	14	19	Tucson, Ariz.-----	46	25	1	-
Evansville, Ind.-----	53	38	3	-	<b>PACIFIC:</b>	1,763	1,018	71	88
Flint, Mich.-----	57	30	2	6	Berkeley, Calif.-----	19	13	-	-
Fort Wayne, Ind.-----	38	22	1	-	Fresno, Calif.-----	48	25	3	3
Gary, Ind.-----	50	18	2	6	Glendale, Calif.-----	48	31	-	3
Grand Rapids, Mich.-----	64	46	8	5	Honolulu, Hawaii*-----	48	21	2	4
Indianapolis, Ind.-----	203	123	5	13	Long Beach, Calif.-----	73	43	4	4
Madison, Wis.-----	58	31	-	8	Los Angeles, Calif.-----	676	381	37	39
Milwaukee, Wis.-----	133	75	-	5	Oakland, Calif.-----	54	38	-	1
Peoria, Ill.-----	49	34	3	2	Pasadena, Calif.-----	37	27	-	1
Rockford, Ill.-----	29	16	3	2	Portland, Oreg.-----	105	68	1	4
South Bend, Ind.-----	26	17	3	2	Sacramento, Calif.-----	74	53	1	3
Toledo, Ohio-----	106	68	2	2	San Diego, Calif.-----	97	47	7	8
Youngstown, Ohio-----	66	46	-	1	San Francisco, Calif.-----	220	111	3	5
<b>WEST NORTH CENTRAL:</b>	936	576	33	47	San Jose, Calif.-----	34	19	2	2
Des Moines, Iowa-----	62	43	1	2	Seattle, Wash.-----	137	81	8	7
Duluth, Minn.-----	24	21	-	-	Spokane, Wash.-----	59	35	2	-
Kansas City, Kans.-----	54	20	3	11	Tacoma, Wash.-----	34	25	1	4
Kansas City, Mo.-----	128	75	3	7	<b>Total</b>	<b>13,356</b>	<b>7,539</b>	<b>554</b>	<b>776</b>
Lincoln, Nebr.-----	29	17	-	2	<b>Cumulative Totals</b>				
Minneapolis, Minn.-----	123	72	-	7	including reported corrections for previous weeks				
Omaha, Nebr.-----	108	72	1	2	All Causes, All Ages-----				602,947
St. Louis, Mo.-----	246	156	14	9	All Causes, Age 65 and over-----				340,485
St. Paul, Minn.-----	98	65	5	3	Pneumonia and Influenza, All Ages-----				24,317
Wichita, Kans.-----	64	35	6	4	All Causes, Under 1 Year of Age-----				35,507

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

## INTERNATIONAL NOTES

## SMALLPOX - KULMBACH, WEST GERMANY

*(Continued from page 419)*

isolated in the examination room and the local hospital was alerted to prepare smallpox isolation facilities. Skin lesion specimens for virus identification were obtained and forwarded by police car to the regional Smallpox Diagnostic Laboratory in Munich, Germany.

Late that night, 2½ hours after the specimens were received at the laboratory, pox virus particles from the skin lesions were demonstrated by electron microscopy and a presumptive diagnosis of smallpox was made. This was later confirmed within 48 hours by the culture of variola virus on chick embryo chorio-allantoic membrane.

On the morning of October 29, WHO was notified of an imported case of smallpox. Ninety-one of the 102 persons classified as face-to-face contacts of the patient were quarantined. The primary contacts, who were vaccinated at the time of the identification visit to the home by a public health physician and nurse, were transferred the next day to a quarantine hospital set up in a local school. Eleven other primary contacts who had left Kulmbach were located in various German cities including one in the East Zone. Public health workers in these cities were notified and the contacts were identified, vaccinated, and quarantined for 16 days after their last contact with the patient.

A comprehensive vaccination campaign was started in Kulmbach on October 29 and 27,309 persons had been vaccinated by November 12; of these some 4,000 lived in areas lying around Kulmbach. Each person vaccinated was requested to return for a check of the vaccination 4 days later and 18,300 of them returned of whom 2,800 were revaccinated.

There were three other suspect cases of smallpox, none of which have been confirmed. These were the wife and son of the patient and a male employee at the factory working in the same room as the patient.

The patient's illness was mild with only a few more papular and vesicular lesions appearing on the back, chest, and lower arms. He experienced no constitutional symptoms after the prodromal period and the skin lesions matured and crusted rapidly with only slight pustulation. The clinical manifestations of the illness were said to be in character with an abortive vaccine-modified smallpox.

No further cases had occurred by November 17 and all primary contacts quarantined were released on this day. On November 26 Kulmbach was removed from the WHO list of infected local areas. In fact, as one imported case only had been confirmed, Kulmbach was not a smallpox "infected local area" in terms of the International Sanitary Regulations.

*(Reported by an observer from the Communicable Disease Center invited by the Bavarian Public Health Authorities and the Federal German Republic Health Ministry.)*

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IN ADDITION TO THE ESTABLISHED PROCEDURES FOR REPORTING MORBIDITY AND MORTALITY, THE 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  
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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