

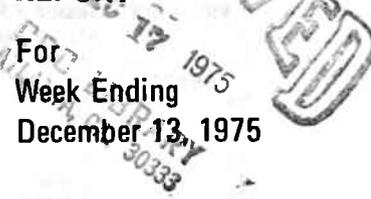
# Morbidity and Mortality



Vol. 24, No. 50

WEEKLY REPORT

For Week Ending December 13, 1975



U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE PUBLIC HEALTH SERVICE  
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**EPIDEMIOLOGIC NOTES AND REPORTS**  
**MEASLES - Allegan County, Michigan**

Between August 11-November 12, 1975, 66 cases of measles were reported from a predominantly rural township in southwestern Michigan. The initial cases occurred during the summer in 4 related preschool children. Shortly after the opening of school in early September, measles was introduced into the public school, and there was a rapid increase in the number of cases (Figure 1), making documentation of transmission from person-to-person difficult. Forty-one cases (62%) were in students in kindergarten through grade 5, 11 (17%) in preschool children, 9 (14%) in junior high school students, and 5 (7%) in senior high school students.

A school-based immunization clinic was conducted on October 3, 1975. Permission slips were sent home with all

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students. Within grades 1-5, 489 (70%) of 695 pupils returned the slips, and 199 (28%) of these requested vaccination against measles. Since only an estimated 10-15% of the students in these grades were susceptible, this response was considered excellent.

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

DISEASE	WEEK ENDING		MEDIAN 1970-1974	CUMULATIVE, FIRST 50 WEEKS		
	December 13, 1975	December 14, 1974		December 13, 1975	December 14, 1974	MEDIAN 1970-1974
Aseptic meningitis . . . . .	59	54	75	3,951	3,081	4,581
Brucellosis . . . . .	3	7	4	254	182	181
Chickenpox . . . . .	3,500	2,968	---	136,238	116,896	---
Diphtheria . . . . .	6	13	10	286	240	196
Encephalitis	Primary . . . . .	27	15	2,470	1,046	1,468
	Post-Infectious	9	5	295	245	266
Hepatitis, Viral	Type B . . . . .	275	208	11,365	9,573	8,497
	Type A . . . . .	801	794	33,487	40,008	52,718
	Type unspecified . . . . .	221	149	7,589	7,875	---
Malaria . . . . .	4	4	5	402	256	801
Measles (rubeola) . . . . .	285	220	409	23,475	21,742	30,679
Meningococcal infections, total . . . . .	30	29	29	1,374	1,300	1,316
Civilian . . . . .	30	29	28	1,346	1,271	1,296
Military . . . . .	-	-	-	28	29	48
Mumps . . . . .	1,264	1,675	1,675	56,223	54,919	68,735
Pertussis . . . . .	27	62	---	1,499	1,700	---
Rubella (German measles) . . . . .	111	154	263	15,993	11,655	27,638
Tetanus . . . . .	-	2	2	93	93	113
Tuberculosis . . . . .	630	584	---	31,850	29,225	---
Tularemia . . . . .	1	2	4	107	135	153
Typhoid fever . . . . .	12	9	9	356	413	405
Typhus, tick-borne (Rky. Mt. spotted fever) . . . . .	1	6	1	813	767	520
Venereal Diseases:						
Gonorrhea { Civilian . . . . .	20,684	18,270	---	958,220	862,404	---
Military . . . . .	422	585	---	27,654	28,774	---
Syphilis, primary and secondary { Civilian . . . . .	559	492	---	24,461	24,400	---
Military . . . . .	7	10	---	338	460	---
Rabies in animals . . . . .	29	34	42	2,277	2,796	3,223

**TABLE II. NOTIFIABLE DISEASES OF LOW FREQUENCY**

	Cum.		Cum.
Anthrax . . . . .	1	Poliomyelitis, total: . . . . .	7
Botulism: . . . . .	15	Paralytic: . . . . .	7
Congenital rubella syndrome: . . . . .	27	Psittacosis: . . . . .	48
Leprosy: Mass. 1, Texas 1 . . . . .	144	Rabies in man: . . . . .	2
Leptospirosis: La. 2 . . . . .	62	Trichinosis: Mass. 2, N.S. 2, Va. 1, Cal. 1, Alaska 2 . . . . .	129
Plague: . . . . .	15	Typhus, murine: . . . . .	32

\*Delayed Reports: Leptospirosis: Pa. delete 1. Plague: Colorado 1.



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**TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
FOR WEEKS ENDING DECEMBER 13, 1975 AND DECEMBER 14, 1974 (50th WEEK)**

AREA	ASEPTIC MENIN- GITIS	BRUCEL- LOSIS	CHICKEN- POX	DIPHTHERIA		ENCEPHALITIS			HEPATITIS, VIRAL			MALARIA	
						Primary: Arthropod- borne and Unspecified		Post In- fectious	Type B	Type A	Type Unspecified		
						1975	1974	1975	1975	1975	1975		
<b>UNITED STATES</b> . . . . .	<b>59</b>	<b>3</b>	<b>3,500</b>	<b>6</b>	<b>286</b>	<b>27</b>	<b>15</b>	<b>9</b>	<b>275</b>	<b>801</b>	<b>221</b>	<b>4</b>	<b>402</b>
<b>NEW ENGLAND</b> . . . . .	<b>1</b>	<b>-</b>	<b>462</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>5</b>	<b>24</b>	<b>12</b>	<b>-</b>	<b>24</b>
Maine* . . . . .	-	-	2	-	-	-	-	-	-	-	-	-	2
New Hampshire* . . . . .	-	-	1	-	-	-	-	-	1	2	-	-	1
Vermont* . . . . .	-	-	18	-	-	-	-	-	-	3	1	-	3
Massachusetts . . . . .	-	-	295	-	-	-	-	-	2	9	11	-	9
Rhode Island . . . . .	1	-	105	-	-	-	-	-	2	3	-	-	2
Connecticut . . . . .	-	-	41	-	-	-	-	1	-	7	-	-	7
<b>MIDDLE ATLANTIC</b> . . . . .	<b>10</b>	<b>1</b>	<b>262</b>	<b>-</b>	<b>-</b>	<b>3</b>	<b>4</b>	<b>-</b>	<b>69</b>	<b>111</b>	<b>41</b>	<b>2</b>	<b>96</b>
Upstate New York . . . . .	2	-	150	-	-	1	-	-	11	19	1	2	11
New York City . . . . .	2	-	17	-	-	-	-	-	4	8	-	-	29
New Jersey . . . . .	2	1	NN	-	-	-	3	-	37	44	34	-	13
Pennsylvania . . . . .	4	-	95	-	-	2	1	-	17	40	6	-	43
<b>EAST NORTH CENTRAL</b> . . . . .	<b>10</b>	<b>1</b>	<b>1,538</b>	<b>-</b>	<b>5</b>	<b>4</b>	<b>2</b>	<b>3</b>	<b>26</b>	<b>132</b>	<b>14</b>	<b>-</b>	<b>15</b>
Ohio . . . . .	2	-	293	-	-	-	-	1	6	25	-	-	4
Indiana . . . . .	-	-	141	-	-	-	-	-	-	19	-	-	-
Illinois . . . . .	-	-	133	-	4	-	-	-	10	56	8	-	5
Michigan . . . . .	5	-	492	-	1	4	1	1	7	27	6	-	6
Wisconsin . . . . .	3	1	478	-	-	-	1	1	3	5	-	-	-
<b>WEST NORTH CENTRAL</b> . . . . .	<b>-</b>	<b>1</b>	<b>513</b>	<b>-</b>	<b>8</b>	<b>6</b>	<b>2</b>	<b>4</b>	<b>30</b>	<b>43</b>	<b>33</b>	<b>-</b>	<b>16</b>
Minnesota . . . . .	-	-	10	-	-	-	-	-	11	5	-	-	6
Iowa . . . . .	-	-	426	-	-	5	1	4	4	7	-	-	-
Missouri* . . . . .	-	1	7	-	1	1	1	-	11	21	27	-	7
North Dakota . . . . .	-	-	5	-	6	-	-	-	-	2	-	-	1
South Dakota . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-
Nebraska . . . . .	-	-	65	-	1	-	-	-	2	2	-	-	2
Kansas . . . . .	-	-	-	-	-	-	-	-	2	6	6	-	-
<b>SOUTH ATLANTIC</b> . . . . .	<b>7</b>	<b>-</b>	<b>258</b>	<b>-</b>	<b>-</b>	<b>4</b>	<b>2</b>	<b>1</b>	<b>39</b>	<b>128</b>	<b>41</b>	<b>-</b>	<b>56</b>
Delaware . . . . .	-	-	3	-	-	-	-	-	2	5	-	-	-
Maryland . . . . .	1	-	5	-	-	2	1	-	2	16	2	-	10
District of Columbia . . . . .	-	-	-	-	-	-	-	-	2	2	-	-	10
Virginia . . . . .	-	-	58	-	-	-	-	-	5	10	10	-	8
West Virginia . . . . .	-	-	136	-	-	-	-	-	-	4	-	-	2
North Carolina* . . . . .	3	-	NN	-	-	2	-	-	2	12	4	-	6
South Carolina . . . . .	-	-	-	-	-	-	-	1	2	6	2	-	2
Georgia . . . . .	-	-	-	-	-	-	-	-	-	40	-	-	10
Florida . . . . .	3	-	56	-	-	-	1	-	24	33	23	-	8
<b>EAST SOUTH CENTRAL</b> . . . . .	<b>3</b>	<b>-</b>	<b>22</b>	<b>-</b>	<b>-</b>	<b>4</b>	<b>1</b>	<b>-</b>	<b>17</b>	<b>53</b>	<b>1</b>	<b>-</b>	<b>11</b>
Kentucky* . . . . .	-	-	14	-	-	4	-	-	5	21	-	-	3
Tennessee . . . . .	3	-	NN	-	-	-	-	-	9	24	-	-	-
Alabama* . . . . .	-	-	6	-	-	-	-	-	3	-	1	-	6
Mississippi . . . . .	-	-	2	-	-	-	1	-	-	8	-	-	2
<b>WEST SOUTH CENTRAL</b> . . . . .	<b>13</b>	<b>-</b>	<b>159</b>	<b>-</b>	<b>6</b>	<b>4</b>	<b>2</b>	<b>-</b>	<b>13</b>	<b>96</b>	<b>25</b>	<b>-</b>	<b>22</b>
Arkansas . . . . .	-	-	2	-	-	-	2	-	-	7	-	-	1
Louisiana* . . . . .	4	-	NN	-	-	2	-	-	3	11	4	-	-
Oklahoma . . . . .	-	-	30	-	-	-	-	-	1	6	-	-	2
Texas . . . . .	9	-	127	-	6	2	-	-	9	72	21	-	19
<b>MOUNTAIN</b> . . . . .	<b>4</b>	<b>-</b>	<b>99</b>	<b>-</b>	<b>30</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>6</b>	<b>50</b>	<b>17</b>	<b>-</b>	<b>15</b>
Montana . . . . .	-	-	30	-	6	-	-	-	-	1	-	-	1
Idaho . . . . .	-	-	4	-	-	-	-	-	-	7	3	-	-
Wyoming . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-
Colorado . . . . .	2	-	10	-	1	-	-	-	4	19	2	-	8
New Mexico . . . . .	2	-	3	-	8	-	-	-	-	5	1	-	-
Arizona . . . . .	-	-	-	-	15	-	-	-	1	8	-	-	4
Utah . . . . .	-	-	52	-	-	-	-	-	1	4	11	-	2
Nevada* . . . . .	-	-	-	-	-	-	-	-	-	6	-	-	-
<b>PACIFIC</b> . . . . .	<b>11</b>	<b>-</b>	<b>187</b>	<b>6</b>	<b>237</b>	<b>2</b>	<b>2</b>	<b>-</b>	<b>70</b>	<b>164</b>	<b>37</b>	<b>2</b>	<b>147</b>
Washington . . . . .	-	-	148	6	213	-	-	-	6	28	5	-	6
Oregon . . . . .	1	-	2	-	-	-	-	-	5	10	6	-	10
California* . . . . .	10	-	-	-	6	2	2	-	56	106	26	2	126
Alaska . . . . .	-	-	31	-	18	-	-	-	1	8	-	-	2
Hawaii . . . . .	-	-	6	-	-	-	-	-	2	12	-	-	3
Guam* . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico* . . . . .	1	-	11	-	-	-	-	-	-	6	-	-	1
Virgin Islands . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-

NN: Not Notifiable.  
 \*Delayed Reports: Chickenpox: Me. 23, Vt. 40, Calif. 42, Guam 2. Diphtheria: Mo. delete 1. Enceph.: Ala. 58. Hep. B: N. Carolina 1, Kentucky 1. Hep. A: Me. 1, N.H. 1, Nev. 1, P.R. 18, Guam 1.  
 Hep. Unsp.: N. Carolina 1, Kentucky delete 1, La. delete 1, P.R. delete 18.

## Morbidity and Mortality Weekly Report

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
FOR WEEKS ENDING DECEMBER 13, 1975 AND DECEMBER 14, 1974 (50th WEEK) - Continued

AREA	MEASLES (Rubeola)			MENINGOCOCCAL INFECTIONS, TOTAL			MUMPS		PERTUSSIS	RUBELLA		TETANUS
	1975	Cumulative		1975	Cumulative		1975	Cum. 1975	1975	1975	Cum. 1975	Cum. 1975
		1975	1974		1975	1974						
UNITED STATES	285	23,475	21,742	30	1,374	1,300	1,264	56,223	27	111	15,993	93
NEW ENGLAND	1	354	959	1	80	75	77	2,078	1	4	2,089	3
Maine	-	15	45	-	7	4	-	83	-	-	43	-
New Hampshire	1	22	212	-	4	11	7	128	-	1	307	-
Vermont	-	75	56	-	2	13	1	19	-	-	71	-
Massachusetts	-	114	403	-	28	17	8	288	1	1	1,221	1
Rhode Island	-	3	61	1	7	10	54	831	-	-	28	-
Connecticut	-	125	182	-	32	20	7	729	-	2	419	2
MIDDLE ATLANTIC	50	2,288	8,295	1	142	194	154	3,189	11	12	1,824	13
Upstate New York	48	1,028	979	-	44	70	89	1,142	10	4	324	2
New York City	1	166	640	1	36	42	23	922	1	6	190	2
New Jersey	-	476	5,706	-	22	53	9	421	-	1	1,027	3
Pennsylvania	1	618	970	-	40	29	33	704	-	1	283	6
EAST NORTH CENTRAL	89	7,042	8,492	3	201	172	460	22,806	3	58	4,680	6
Ohio	-	110	3,072	2	68	67	129	2,678	-	6	649	2
Indiana	11	500	280	-	10	18	32	2,271	-	5	1,036	-
Illinois	4	1,862	2,155	-	25	12	31	2,706	2	8	363	3
Michigan	-	3,180	2,304	-	75	53	137	9,304	1	26	1,651	-
Wisconsin	74	1,390	681	1	23	22	131	5,847	-	13	981	1
WEST NORTH CENTRAL	11	5,137	761	5	93	102	71	4,241	2	-	1,481	11
Minnesota	4	231	85	1	20	33	8	205	-	-	37	2
Iowa	7	674	134	1	8	15	52	1,491	1	-	30	3
Missouri	-	273	265	3	48	31	6	940	1	-	744	2
North Dakota	-	1,061	37	-	2	3	3	511	-	-	71	-
South Dakota	-	356	27	-	1	3	-	6	-	-	18	-
Nebraska	-	395	45	-	3	3	2	86	-	-	21	-
Kansas	-	2,147	168	-	11	14	-	1,002	-	-	560	4
SOUTH ATLANTIC	20	467	597	9	272	253	95	3,965	1	4	1,628	17
Delaware	-	35	16	-	8	5	-	13	-	-	21	-
Maryland	-	62	24	-	32	25	32	418	-	-	38	1
District of Columbia	-	2	3	-	5	1	-	155	-	-	-	-
Virginia	-	40	37	-	21	42	5	815	-	3	325	2
West Virginia	12	214	223	-	5	9	41	1,423	-	1	236	1
North Carolina	-	2	5	2	51	52	8	125	1	-	44	6
South Carolina	-	-	57	2	39	22	5	74	-	-	780	2
Georgia	-	40	4	3	18	8	-	17	-	-	4	-
Florida	8	72	228	2	93	89	4	925	-	-	180	5
EAST SOUTH CENTRAL	5	366	288	3	184	127	52	5,000	3	4	1,001	9
Kentucky	5	155	198	1	77	49	14	1,843	-	-	245	3
Tennessee	-	178	57	1	61	55	31	2,346	-	3	723	2
Alabama	-	5	18	1	32	14	7	439	-	-	23	1
Mississippi	-	28	15	-	14	9	-	372	3	1	10	3
WEST SOUTH CENTRAL	68	489	256	4	209	206	63	4,848	2	6	766	21
Arkansas	-	-	7	-	13	14	-	186	2	-	20	1
Louisiana	-	1	14	1	39	50	-	343	-	-	283	5
Oklahoma	64	212	29	-	15	21	10	308	-	3	98	-
Texas	4	276	206	3	142	121	53	4,011	-	3	365	15
MOUNTAIN	25	1,575	848	1	40	42	55	1,092	2	3	529	-
Montana	-	50	373	-	8	1	-	43	-	-	253	-
Idaho	4	16	54	-	5	3	17	63	-	-	74	-
Wyoming	-	3	1	-	1	3	-	2	1	-	-	-
Colorado	-	1,163	123	1	11	9	19	667	-	1	136	-
New Mexico	1	16	62	-	4	3	2	40	1	1	19	-
Arizona	1	83	20	-	3	10	-	-	-	-	2	-
Utah	19	216	15	-	7	9	17	176	-	1	37	-
Nevada	-	28	200	-	1	4	-	101	-	-	8	-
PACIFIC	16	5,757	1,246	3	153	129	237	9,004	2	20	1,995	13
Washington	7	300	77	-	22	18	111	4,560	-	16	356	1
Oregon	-	199	7	1	9	17	17	741	-	1	190	-
California	9	5,193	1,096	2	113	87	108	3,600	2	3	1,429	11
Alaska	-	-	-	-	7	4	-	49	-	-	-	-
Hawaii	-	65	66	-	2	3	1	54	-	-	20	1
Guam	-	24	20	-	2	2	-	32	-	-	8	-
Puerto Rico	21	733	674	-	1	6	102	1,123	1	-	30	17
Virgin Islands	-	8	35	-	-	-	-	250	-	-	3	3

\*Delayed Reports: Measles: La. 1, Guam 2. Men. Inf.: Mo. delete 1. Mumps: N.H. 2. Rubella: Mo. 1.

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
FOR WEEKS ENDING DECEMBER 13, 1975 AND DECEMBER 14, 1974 (50th WEEK) - Continued

AREA	TUBERCULOSIS		TULA- REMIA	TYPHOID FEVER		TYPHUS-FEVER TICK-BORNE (RMSF)		VENEREAL DISEASES (Civilian Cases Only)					RABIES IN ANIMALS	
	1975	Cum. 1975	Cum. 1975	1975	Cum. 975	1975	Cum. 1975	GONORRHEA		SYPHILIS (Pri. & Sec.)		Cum. 1975		
								1975	Cumulative	1975	Cumulative			
													1974	1974
UNITED STATES	630	31,850	107	12	356	1	813	20,684	958,220	862,404	559	24,461	24,400	2,277
NEW ENGLAND	13	1,200	-	-	16	-	6	782	26,762	23,471	9	818	867	70
Maine	1	75	-	-	-	-	-	54	2,077	1,985	-	35	44	43
New Hampshire	-	30	-	-	-	-	-	18	688	772	1	16	13	2
Vermont	1	28	-	-	-	-	-	-	618	612	-	7	3	-
Massachusetts	8	687	-	-	10	-	2	489	12,629	10,782	7	536	612	12
Rhode Island	2	133	-	-	-	-	3	26	2,044	2,011	-	23	16	4
Connecticut	1	247	-	-	6	-	1	195	8,706	7,309	1	201	179	9
MIDDLE ATLANTIC	76	5,718	4	3	65	1	87	2,670	109,472	106,632	83	4,445	5,229	90
Upstate New York	23	877	3	1	10	1	34	738	20,000	19,802	2	391	511	70
New York City	27	2,222	-	-	28	-	2	963	45,566	46,259	57	2,625	3,026	-
New Jersey	26	1,165	1	-	13	-	10	443	16,504	14,825	14	700	809	-
Pennsylvania*	-	1,454	-	2	14	-	41	526	27,402	25,746	10	729	883	20
EAST NORTH CENTRAL	88	4,428	5	3	40	-	19	3,584	159,337	139,195	28	1,997	2,091	116
Ohio	16	1,201	-	3	14	-	16	971	44,647	36,270	13	497	314	5
Indiana	7	558	-	-	-	-	1	213	13,392	13,414	2	146	188	10
Illinois	33	1,304	-	-	16	-	1	1,541	55,735	46,305	10	948	1,073	24
Michigan*	21	1,202	1	-	9	-	1	587	30,369	30,782	2	328	418	9
Wisconsin	11	163	4	-	1	-	-	272	15,194	12,424	1	78	98	68
WEST NORTH CENTRAL	28	1,140	20	-	16	-	32	971	48,582	45,258	25	611	627	487
Minnesota	6	176	-	-	3	-	-	107	9,606	9,164	2	110	84	133
Iowa	2	124	1	-	1	-	-	214	7,076	5,943	12	80	38	97
Missouri	5	520	15	-	7	-	19	321	17,723	15,462	10	270	403	49
North Dakota	1	17	-	-	-	-	-	18	776	721	-	5	7	97
South Dakota	6	70	-	-	-	-	-	16	1,814	2,048	-	5	3	48
Nebraska	-	40	1	-	3	-	2	125	4,291	3,886	-	18	10	4
Kansas	8	193	3	-	2	-	11	170	7,296	8,034	1	123	82	59
SOUTH ATLANTIC	163	7,051	17	-	49	-	405	4,393	233,773	220,594	172	7,427	7,592	338
Delaware	-	130	-	-	-	-	4	68	3,336	3,085	-	83	79	5
Maryland	30	1,141	1	-	11	-	30	493	28,517	23,516	13	552	739	7
District of Columbia	3	349	1	-	4	-	-	312	13,595	18,333	15	662	635	-
Virginia	8	829	6	-	7	-	111	300	22,863	20,497	6	585	687	100
West Virginia	2	257	-	-	4	-	4	107	3,050	2,576	1	56	20	3
North Carolina*	27	1,132	-	-	2	-	129	556	33,540	30,293	39	1,013	867	12
South Carolina	23	445	3	-	7	-	84	524	22,071	20,449	16	535	666	11
Georgia	40	1,012	5	-	3	-	37	826	43,847	42,742	16	1,017	1,108	164
Florida	30	1,756	1	-	11	-	6	1,207	62,954	59,103	66	2,924	2,791	36
EAST SOUTH CENTRAL	52	2,784	13	3	32	-	110	1,432	80,705	72,395	26	1,130	1,204	146
Kentucky	9	544	1	-	7	-	12	228	10,511	9,072	3	166	260	93
Tennessee	23	1,062	12	2	17	-	72	505	31,916	28,772	7	418	443	21
Alabama	15	771	-	1	3	-	8	368	22,464	20,112	8	260	245	32
Mississippi*	5	407	-	-	5	-	18	331	15,814	14,439	8	286	256	-
WEST SOUTH CENTRAL	82	3,658	43	-	29	-	145	3,212	118,506	111,821	69	2,231	2,129	474
Arkansas	10	473	15	-	1	-	20	465	12,718	11,493	3	71	93	80
Louisiana*	13	473	2	-	10	-	1	353	20,489	22,688	10	513	548	8
Oklahoma	11	298	9	-	1	-	93	267	11,302	9,842	2	87	136	103
Texas	48	2,414	17	-	17	-	31	2,127	73,997	67,798	54	1,560	1,352	283
MOUNTAIN	35	985	3	-	9	-	8	780	38,736	33,591	14	559	572	266
Montana	14	72	1	-	-	-	5	31	2,010	1,877	-	6	4	162
Idaho	1	32	-	-	-	-	2	33	2,003	1,695	-	16	12	1
Wyoming	-	30	1	-	1	-	-	34	940	787	-	10	2	5
Colorado	8	216	-	-	1	-	1	221	10,484	9,170	2	97	143	32
New Mexico	-	132	-	-	2	-	-	148	6,836	4,878	7	155	91	37
Arizona	11	406	-	-	5	-	-	197	10,174	9,464	3	204	248	26
Utah	-	49	1	-	-	-	-	51	2,414	2,082	-	16	12	3
Nevada*	1	48	-	-	-	-	-	65	3,875	3,638	2	55	60	-
PACIFIC	93	4,886	2	3	100	-	1	2,860	142,347	109,447	133	5,243	4,089	290
Washington*	-	425	1	-	6	-	1	269	12,895	11,893	17	181	132	4
Oregon	6	189	-	-	-	-	-	224	10,865	11,187	4	141	110	7
California	78	3,654	1	2	91	-	-	2,294	112,832	81,288	109	4,860	3,806	273
Alaska	-	62	-	-	1	-	-	23	3,451	2,837	-	6	10	6
Hawaii	9	556	-	1	2	-	-	50	2,304	2,242	3	55	31	-
Guam*	-	58	-	-	-	-	-	-	343	-	-	13	-	-
Puerto Rico*	4	472	18	-	8	-	-	50	2,797	2,957	-	679	882	42
Virgin Islands	-	3	-	-	2	-	-	-	219	739	-	41	52	-

\*Delayed Reports: TB: Mich. delete 7, N.C. delete 3, P.R. 18, Guam 3. Tularemia: P.R. delete 18. RMSF: Pa. delete 1, Miss. delete 1. GC: La. delete 12, Nev. 36, Guam 17. Syphilis: La. delete 1, Nev. 1, Wash. 13.

Week No.  
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TABLE IV. DEATHS IN 121 UNITED STATES CITIES FOR WEEK ENDING DECEMBER 13, 1975

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

Area	All Causes					Pneumonia and Influenza All Ages	Area	All Causes					Pneumonia and Influenza All Ages
	All Ages	65 years and over	45-64 years	25-44 years	Under 1 year			All Ages	65 years and over	45-64 years	25-44 years	Under 1 year	
<b>NEW ENGLAND</b>	726	427	211	29	39	35	<b>SOUTH ATLANTIC</b>	1,187	651	355	82	61	46
Boston, Mass.	186	103	54	12	6	6	Atlanta, Ga.	122	59	42	7	12	3
Bridgeport, Conn.	65	44	19	1	1	7	Baltimore, Md.	232	128	74	14	8	3
Cambridge, Mass.	24	19	3	2	-	4	Charlotte, N. C.	58	37	15	3	1	2
Fall River, Mass.	29	17	9	2	-	4	Jacksonville, Fla.	110	55	36	9	5	1
Hartford, Conn.	71	37	24	2	5	1	Miami, Fla.	82	35	33	6	5	-
Lowell, Mass.	31	17	13	1	-	1	Norfolk, Va.	57	34	15	6	1	5
Lynn, Mass.	27	18	9	-	-	1	Richmond, Va.	107	62	30	7	6	7
New Bedford, Mass.	30	24	6	-	-	2	Savannah, Ga.	30	15	10	3	1	5
New Haven, Conn.	75	31	16	2	24	2	St. Petersburg, Fla.	68	57	9	-	2	1
Providence, R. I.	48	20	22	4	2	8	Tampa, Fla.	86	45	23	8	6	12
Somerville, Mass.	17	10	4	2	-	1	Washington, D. C.	177	87	58	15	12	5
Springfield, Mass.	39	31	7	-	-	3	Wilmington, Del.	58	37	10	4	2	2
Waterbury, Conn.	25	18	6	1	-	1							
Worcester, Mass.	59	38	19	-	1	1							
<b>MIDDLE ATLANTIC</b>	2,991	1,834	822	160	97	94	<b>EAST SOUTH CENTRAL</b>	741	407	220	60	29	45
Albany, N. Y.	41	25	13	2	-	1	Birmingham, Ala.	106	56	32	11	3	1
Allentown, Pa.	20	15	2	2	-	3	Chattanooga, Tenn.	57	34	14	5	2	7
Buffalo, N. Y.	134	64	52	11	5	8	Knoxville, Tenn.	53	33	13	3	4	1
Camden, N. J.	34	17	13	-	3	-	Louisville, Ky.	144	81	43	8	5	19
Elizabeth, N. J.	31	23	8	-	-	-	Memphis, Tenn.	167	92	50	12	7	1
Erie, Pa.	41	23	12	1	4	3	Mobile, Ala.	62	34	21	3	4	2
Jersey City, N. J.	53	21	26	2	2	1	Montgomery, Ala.	45	23	13	8	-	5
Newark, N. J.	71	29	30	5	3	2	Nashville, Tenn.	107	54	34	10	4	9
New York City, N. Y. †	1,506	926	400	96	53	40	<b>WEST SOUTH CENTRAL</b>	1,207	678	313	75	85	39
Paterson, N. J.	39	29	6	2	1	-	Austin, Tex.	37	23	8	3	-	3
Philadelphia, Pa.	403	230	122	20	14	6	Baton Rouge, La.	53	39	12	1	-	-
Pittsburgh, Pa.	190	114	58	5	6	7	Corpus Christi, Tex.	36	19	11	2	3	-
Reading, Pa.	43	34	7	1	-	4	Dallas, Tex.	164	83	47	15	14	2
Rochester, N. Y.	124	87	29	6	1	8	El Paso, Tex.	54	30	12	4	3	5
Schenectady, N. Y.	36	29	4	2	-	-	Fort Worth, Tex.	81	48	21	5	5	-
Scranton, Pa.	42	31	10	1	-	-	Houston, Tex.	218	96	62	22	24	7
Syracuse, N. Y.	100	70	16	4	3	3	Little Rock, Ark.	81	41	20	4	11	6
Trenton, N. J.	31	23	7	-	1	4	New Orleans, La.	156	90	41	5	16	-
Utica, N. Y.	24	19	5	-	-	1	San Antonio, Tex.	140	91	35	2	3	6
Yonkers, N. Y.	28	25	2	-	1	3	Shreveport, La.	91	52	26	6	5	3
							Tulsa, Okla.	96	66	18	6	1	5
<b>EAST NORTH CENTRAL</b>	2,396	1,414	£29	149	102	52	<b>MOUNTAIN</b>	498	298	134	26	14	33
Akron, Ohio	81	43	19	7	5	-	Albuquerque, N. Mex.	67	38	19	5	1	11
Canton, Ohio	31	19	9	2	-	2	Colorado Springs, Colo.	23	13	8	2	-	3
Chicago, Ill.	605	330	159	50	38	10	Denver, Colo.	95	50	31	6	3	1
Cincinnati, Ohio	198	118	56	11	6	2	Las Vegas, Nev.	30	14	9	4	2	4
Cleveland, Ohio	177	102	61	5	3	4	Ogden, Utah	18	11	2	2	1	5
Columbus, Ohio	141	80	34	8	12	2	Phoenix, Ariz.	123	80	29	4	2	3
Dayton, Ohio	92	56	25	2	2	-	Pueblo, Colo.	18	11	4	-	1	2
Detroit, Mich.	263	132	89	20	9	4	Salt Lake City, Utah	55	34	14	1	4	3
Evansville, Ind.	60	41	13	3	1	5	Tucson, Ariz.	69	47	18	2	-	1
Fort Wayne, Ind.	41	29	8	2	2	4							
Gary, Ind.	18	9	6	1	2	-	<b>PACIFIC</b>	1,644	1,036	410	102	43	45
Grand Rapids, Mich.	59	45	10	2	-	5	Berkeley, Calif.	24	15	4	3	-	2
Indianapolis, Ind.	162	93	43	12	6	-	Fresno, Calif.	66	37	19	5	4	-
Madison, Wis.	33	19	7	4	2	5	Glendale, Calif.	22	19	2	1	-	1
Milwaukee, Wis.	117	86	22	3	2	3	Honolulu, Hawaii	63	36	14	6	7	1
Peoria, Ill.	66	39	17	4	4	1	Long Beach, Calif.	110	64	34	6	2	3
Rockford, Ill.	35	27	4	2	-	5	Los Angeles, Calif.	436	283	99	29	8	11
South Bend, Ind.	51	32	10	2	3	-	Oakland, Calif.	88	58	19	3	2	4
Toledo, Ohio	100	68	23	5	4	-	Pasadena, Calif.	47	31	13	1	1	2
Youngtown, Ohio	66	46	14	4	1	-	Portland, Oreg.	143	95	37	5	1	3
							Sacramento, Calif.	61	37	17	3	3	-
<b>WEST NORTH CENTRAL</b>	817	515	190	42	42	37	San Diego, Calif.	109	61	36	5	2	4
Des Moines, Iowa	58	35	18	1	2	2	San Francisco, Calif.	164	105	39	15	3	5
Duluth, Minn.	36	28	4	1	2	6	San Jose, Calif.	50	34	13	1	-	7
Kansas City, Kans.	37	24	8	2	1	4	Seattle, Wash.	182	117	46	10	5	7
Kansas City, Mo.	123	69	38	7	7	3	Spokane, Wash.	40	26	8	3	3	2
Lincoln, Nebr.	33	24	5	2	-	3	Tacoma, Wash.	39	18	10	6	2	-
Minneapolis, Minn.	104	67	14	6	10	8							
Omaha, Nebr.	75	44	20	3	5	2	<b>Total</b>	12,207	7,260	3,284	725	512	426
St. Louis, Mo.	177	108	46	11	6	5	<b>Expected Number</b>	12,510	7,618	3,267	782	404	442
St. Paul, Minn.	83	56	17	4	5	1							
Wichita, Kans.	91	60	20	5	4	3							

†Delayed Report for Week Ending 12/13/75

**TICK FEVER – Continued**

It is unlikely that the recipient was exposed to CTF before coming to the hospital because the area of Montana near his home is thought to be free of the small rodent hosts which are necessary to maintain the cycle of infection.

**CYANIDE POISONING FROM INGESTION OF APRICOT KERNELS – California**

On October 22, 1975, a 34-year-old man from San Diego County developed symptoms of cyanide poisoning after ingestion of apricot kernels. He had purchased a 1-pound package of raw, dried apricot kernels at a health food store, and used them in the preparation of milk shakes, following a recipe in a health-nutritional magazine. The kernels were roasted at 300°F for 10 minutes, and 48 kernels were used, together with milk and honey, to prepare 2 milk shakes. The man's wife consumed only a small amount of her milk shake since she didn't like the taste; the man drank all of his milk shake as well as the remainder of his wife's. He had also eaten a few kernels separately, for a total consumption of approximately 48 seeds.

Approximately 1 hour later the husband developed forceful vomiting, headache, flushing, heavy perspiration, dizziness, and faintness. The couple immediately went to a local emergency room where vomiting was induced in both by ipecac. The husband's symptoms rapidly subsided. (The wife was asymptomatic.) Fragments of kernels were observed in the vomitus of both.

Apricot kernels, along with cherry and peach pits and apple seeds and other pits and seeds, contain a cyanogenic glycoside called amygdalin, which releases hydrogen cyanide upon reaction with digestive chemicals. Symptoms of cyanide poisoning may develop soon after ingestion, including dyspnea, cyanosis, vomiting, prostration, excitement, con-

**Reference**

1. Philip RN, Casper EA, Cory J, et al: The potential for transmission of arboviruses by blood transfusion with particular reference to Colorado tick fever. In *Transmissible Disease and Blood Transfusion*. New York, Grune and Stratton, Inc., 1975, pp 175-195

vulsions, stupor, paralysis, and sometimes death, depending on dosage. (The minimum number of seeds needed to cause disease or death is not known.) Roasting of apricot kernels (especially when crushed) can remove the cyanide, but this requires up to 10 hours.

**Editorial Note**

Chronic cyanide intoxication has been postulated as a cause of neuropathies in some developing countries where cyanogenic nuts and seeds are consumed (1). Laboratory studies revealed high levels of breakdown products of cyanide. Symptoms diminished when the suspect foods were eliminated from the diet. Two previous cases of probable cyanide poisoning after ingestion of apricot kernels were reported in *California Morbidity* on September 1, 1972.

Apricot kernels and similar pits and seeds are sold at health food stores and are widely promoted as having disease preventive or curative properties. Physicians should be aware of the possibility of cyanide poisoning when large quantities of such products are consumed.

**Reference**

1. Sayre JW, Kaymakcalan S: Cyanide poisoning from apricot seeds among children in central Turkey. *N Engl J Med* 270:1113-1115, 1964

(Reported by WA Townsend, MD, Div of Medical Services, San Diego County; and B Boni, MD, California State Dept of Health; in *California Morbidity*, No. 45, November 14, 1975.)

**REACTION TO MUSHROOMS – Minnesota**

In May 1975 a University of Minnesota graduate student collected several dozen specimens of *Morchella angusticeps* Peck., an often sought wild mushroom commonly known as the black morel, in a wooded area 30 miles north of St. Paul. That night he and his wife and son had the mushrooms, fried in butter, for dinner. Approximately 2 hours later the student began vomiting and experienced diarrhea; he was ill for about 2 hours and then recovered. His wife and son were not affected. A year earlier he had had the same reaction after eating a similar mushroom, *Morchella esculenta* Pers., but since he had drunk some beer with that meal he assumed that he had had a case of mushroom-alcohol poisoning. Two years earlier he had had a like upset after eating a mixture of mushrooms, including black morels, but that time he thought that the mixture had been responsible.

(Reported by Elmer Schmidt, University of Minnesota.)

**Editorial Note**

*Morchella* are considered to be among the choicest edible mushrooms. They are not associated with mushroom poisoning and are not ordinarily associated with mushroom-alcohol intolerance. However, there has been 1 report in the literature of a couple becoming ill after consuming morels and alcohol, while their 2 teenage children who ate just the morels stayed well (1). The incident reported from Minnesota suggests that certain individuals may be unusually susceptible to normally nontoxic mushrooms.

**Reference**

1. Benedict RG: Mushroom toxins other than *Amanita*. In *Microbial Toxins*, Vol. 8, Fungal Toxins, edited by Kadis S, Ciegler A, Ajl SJ. New York and London, Academic Press, 1972, pp 310-311

**INTERNATIONAL NOTES  
ST. LOUIS ENCEPHALITIS – Canada**

As of September 23, 1975, 72 possible cases of encephalitis had been identified over a period of 6 weeks in Windsor-Essex County in the Province of Ontario. Of these cases, 18 were serologically confirmed as St. Louis Encephalitis (SLE). SLE has not been previously observed in Canada.

There were also 7 suspected cases and 1 confirmed case in the Niagara area, as well as 13 suspected cases in the Sarnia

area. The majority of cases occurred in adults. Two persons from the Windsor area died from encephalitis during this period; 1 has been confirmed as SLE. Aerial spraying with insecticide was carried out in the Windsor area.

(Reported by the World Health Organization in the *Weekly Epidemiological Record* 50(45):379, 7 Nov 1975.)

QUARANTINE MEASURES

The following changes should be made in the listing of U.S. Designated Yellow Fever Vaccination Centers included in the Supplement - "Health Information for International Travel," MMWR, Vol. 23, September 1974:

CALIFORNIA - West Covina  
Community Health Projects, Inc.  
336 1/2 South Glendora Avenue 91790  
Telephone number 213-967-5307  
Clinic hours: Mon-Fri, 7am-6pm;  
Sat and Sun, 9am-11pm  
Fee charged

FLORIDA - Fort Myers  
Lee County Health Department  
3920 Michigan Avenue 33905  
Telephone number 813-332-1747  
Clinic hours: Mon-Fri, 8am-5pm  
No fee

PENNSYLVANIA - Danville  
Geisinger Medical Center 17821  
Telephone number 717-275-6525  
Clinic hours: Mon-Fri, 8am-5pm  
Fee charged

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The data in this report are provisional, based on weekly telegraphs to CDC by state health departments. The reporting week concludes at close of business on Friday; compiled data on a national basis are officially released to the public on the succeeding Friday.

In addition to the established procedures for reporting morbidity and mortality, the editor welcomes accounts of interesting cases, outbreaks, environmental hazards, or other public health problems of current interest to health officials.

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