



# Morbidity and Mortality

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE PUBLIC HEALTH SERVICE  
DATE OF RELEASE: SEPTEMBER 12, 1975 - ATLANTA, GEORGIA 30333

EPIDEMIOLOGIC NOTES AND REPORTS  
FATAL HUMAN PLAGUE - New Mexico

On August 25, 1975, a 14-year-old boy from California had onset of fever, headache, backache, and anorexia while visiting relatives in New Mexico. On August 27 he complained of periodic shortness of breath but did not have a cough.

He was taken to a physician in Albuquerque on August 28, where examination revealed a temperature of 103°F (39.4°C), pharyngitis, a positive urine ictotest, and a white blood cell count of 5100/mm<sup>3</sup>; no palpable adenopathy was noted. The physician made a presumptive diagnosis of early viral hepatitis and urged the parents to consult the child's physician on the next day. The boy and his parents then traveled by car to California and arrived at their home in Marin County on August 29.

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The boy was seen by a physician on August 29 but was not hospitalized. However, on August 31, he was hospitalized in Marin County with cough, respiratory distress, and cyanosis. A chest X-ray revealed multiple bilateral pulmonary

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

DISEASE	36th WEEK ENDING		MEDIAN 1970-1974	CUMULATIVE, FIRST 36 WEEKS		
	September 6, 1975	September 7, 1974		September 6, 1975	September 7, 1974	MEDIAN 1970-1974
Aseptic meningitis	138	98	183	2,114	1,957	2,872
Brucellosis	3	3	4	155	114	125
Chickenpox	206	220	—	116,722	99,385	—
Diphtheria	—	2	2	209	175	124
Encephalitis	Primary	36	39	712	651	953
	Post-Infectious	5	5	236	194	215
Hepatitis, Viral	Type B	174	201	7,942	6,589	5,900
	Type A	477	679	24,076	29,096	37,829
	Type unspecified	93	103	5,509	5,727	
Malaria	10	10	10	287	150	679
Measles (rubeola)	50	114	114	21,193	19,803	26,845
Meningococcal infections, total		15	13	1,076	958	1,047
	Civilian	15	10	12	1,051	933
	Military	—	—	1	25	25
Mumps	217	189	306	46,682	44,280	56,561
Pertussis	33	43	—	1,049	1,140	—
Rubella (German measles)	43	117	128	14,744	9,786	25,923
Tetanus	2	2	2	61	64	72
Tuberculosis	452	481	—	22,986	21,149	—
Tularemia	3	3	3	87	107	—
Typhoid fever	4	10	11	215	273	235
Typhus, tick-borne (Rky. Mt. spotted fever)	29	18	16	672	665	410
Venereal Diseases:						
Gonorrhea	Civilian	18,677	18,067	674,664	607,239	—
	Military	677	626	20,864	20,467	—
Syphilis, primary and secondary	Civilian	419	508	17,590	17,461	—
	Military	6	10	246	323	—
Rabies in animals	41	53	58	1,708	2,040	2,559

TABLE II. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax: *	—	Poliomyelitis, total:	3
Botulism:	14	Paralytic:	3
Congenital rubella syndrome:	17	Psittacosis: Conn. I, Calif. I	34
Leprosy: Hawaii I	115	Rabies in man:	1
Leptospirosis: *	32	Trichinosis: N.J. I	81
Plague:	9	Typhus, murine:	25

\*Delayed reports: Leptospirosis: Nev. 1

## PLAGUE — Continued

infiltrates. He was intubated and given ampicillin, gentamicin, and cephalothin. Shortly thereafter, streptomycin was substituted for gentamicin. Early on September 1 he was transferred to a hospital in San Francisco, where he died several hours after admission. Postmortem examination revealed bilateral pneumonia; no lymphadenopathy was detected on gross examination. Throat, sputum, blood, and endotracheal aspirate cultures yielded gram-negative rods identified as *Yersinia pestis* by the Laboratory Division of the California State Health Department.

The boy spent the summer with relatives in a rural area of Bernalillo County, New Mexico. The patient had reportedly had contact with wild rodents during his visit and was exposed to dogs and cats that had contact with rodents. A skin lesion suggestive of an insect bite had been noted on the patient's wrist before onset of illness.

Approximately 130 household and hospital contacts of the patient have been placed under surveillance by health authorities in Marin and San Francisco counties in California and Bernalillo County, New Mexico. Prophylactic tetracycline 1 gm/day orally in divided doses for 6-10 days was recommended for persons considered to be at high risk. As of September 9, no contacts had developed pneumonic plague. A field investigation has been conducted, and the results of animal trapping activities are pending. To kill fleas on rodents, insecticide-containing bait stations have been placed in the area where the boy apparently acquired his infection.

This is the seventh human plague infection acquired in Bernalillo County since January 1969. The current case apparently acquired his infection in an area that is less than 10 miles from a site where 2 individuals acquired plague in 1970 (MMWR, Vol. 19, No. 37).

(Reported by Royce J Truex, MD, Allan H Margolin, MD, J Donald Hill, MD, Harvey J Tucker, MD, Attending Physicians; Calvin Plumhof, MD, Pathologist, Marin Medical Laboratory; Jack Streit, MD, Senior Resident in Pathology, Presbyterian Hospital; Carolyn B Albrecht, MD, Marin County Health Officer; Selma K Drutz, MD, Assistant Director, Bureau of Disease Control and Adult Health, San Francisco City-County Health Department; Mrs. Genevieve Nygaard, Microbiology Supervisor, S Benson Werner, MD, Medical Epidemiologist, California State Department of Health; Rochelle Licht, Public Health Nurse, Bernalillo County, Eva Wallen, MD, District Health Officer, Neil Weber, Program Manager, Insect and Rodent Control Section, Bryan Miller, Chief, General Sanitation Division, Environmental Improvement Agency, Victor M Zalma, MD, Director, State Health Agency, New Mexico Health and Social Services Department; Plague Branch, Vector-borne Diseases Division, Bureau of Laboratories, CDC, and an EIS Officer.)

## Editorial Note

Since the lymphadenopathy characteristic of bubonic plague was not documented clinically or at autopsy, this case should probably be categorized as septicemic plague with secondary plague pneumonia. Of 13 cases of human plague reported in 1975 (current case included), 2 patients have had well-documented pneumonia.

Patients with plague pneumonia (and viable *Y. pestis* in their sputum) are of utmost concern to health authorities, since they may transmit the organism to close contacts. Pneumonic plague (acquired via the respiratory route) is a fulminant disease with a high mortality rate. The prompt institution of surveillance measures and tetracycline prophylaxis may have prevented cases of pneumonic plague among contacts of this case.

## BACILLUS CEREUS FOOD POISONING — Wisconsin

On July 28, 1975, a family of 4 purchased a meal at a fast food restaurant in Sheboygan, Wisconsin. The meal consisted of fried chicken, roll and butter, and mashed potatoes and gravy. The father ate all of the food items at 5:30 p.m. and became ill at 8:30 p.m. with diarrhea and abdominal cramps. A daughter also consumed all of the food items and became ill at 3:00 a.m. the following morning with vomiting, diarrhea, and malaise. The mother and son consumed just the chicken and roll with butter, and neither became ill. Symptoms for the affected individuals lasted approximately 1 day.

Fried chicken and mashed potatoes purchased by the family on July 28 and mashed potatoes and gravy obtained from the restaurant the following day by the Sheboygan Health Department were submitted to the Wisconsin State Laboratory of Hygiene in Madison for testing. One stool specimen obtained from the father was also submitted for analysis.

No foodborne bacterial pathogens were isolated from the fried chicken, the gravy, or the mashed potatoes collected the day after the incident. However, the mashed potatoes from the suspect meal contained  $1.8 \times 10^7$  *Bacillus cereus* per gram with no other bacterial pathogens isolated. The stool specimen was negative for *B. cereus*. Three isolates of *B. cereus* obtained from the mashed potatoes were submitted to the Food Research Institute in Madison for enterotoxin testing. All 3 isolates produced strong positive reactions in the rabbit ileal loop and skin permeability tests.

The Sheboygan health officer determined that the food establishment in question prepared its gravy with boiling water and stock material and its mashed potatoes from a dehydrated canned product. The day after the incident all gravy and mashed potatoes at the serving counter were found to be kept at 150°F (65.5°C).

The attack rates, incubation periods, symptoms, duration of illness, high numbers of *B. cereus*, and confirmation of enterotoxin production in the isolate implicate *B. cereus* in this food poisoning incident.

(Reported by John W Yrios, Food and Nosocomial Infections, Wisconsin State Laboratory of Hygiene; John M Goepfert, PhD, Food Research Institute, Madison; Hugh Grant Skinner, MD, State Epidemiologist, Wisconsin Department of Health and Social Services; Solomon Belinky, Public Health Director, Sheboygan City Health Department.)

## Editorial Note

The source of the *Bacillus cereus* for the mashed potatoes in this outbreak is unknown. Although the temperature at which the gravy and mashed potatoes were kept was adequate when measured, whether it varied below 150°F is unknown.

Of 127 foodborne outbreaks of known etiology reported to CDC in 1973, only 1 (involving 4 persons) was caused by *B. cereus*.

# Morbidity and Mortality Weekly Report

**TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
FOR WEEKS ENDING SEPTEMBER 6, 1975 AND SEPTEMBER 7, 1974 (36th 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		
UNITED STATES	138	3	206	-	209	71	36	5	174	477	93	10	287
NEW ENGLAND	6	-	17	-	-	1	2	-	9	26	9	1	12
Maine *	-	-	1	-	-	-	-	-	-	-	-	-	1
New Hampshire *	-	-	4	-	-	-	-	-	-	2	-	-	-
Vermont	1	-	-	-	-	-	-	-	-	2	-	-	3
Massachusetts	3	-	2	-	-	1	2	-	3	6	9	-	3
Rhode Island	2	-	3	-	-	-	-	-	3	4	-	1	2
Connecticut	-	-	7	-	-	-	-	-	3	12	-	-	3
MIDDLE ATLANTIC	29	-	16	-	-	4	8	-	40	54	12	1	69
Upstate New York	7	-	5	-	-	1	-	-	8	13	-	-	6
New York City	12	-	11	-	-	1	-	-	2	10	-	1	20
New Jersey *	9	-	NN	-	-	-	1	-	19	13	10	-	8
Pennsylvania *	1	-	-	-	-	2	7	-	11	18	2	-	35
EAST NORTH CENTRAL	30	-	61	-	4	22	6	1	41	102	10	-	6
Ohio *	7	-	6	-	-	16	-	-	18	32	-	-	1
Indiana	-	-	-	-	-	2	-	-	1	6	5	-	-
Illinois	2	-	6	-	3	4	4	-	7	26	3	-	4
Michigan	19	-	16	-	1	-	2	1	12	29	2	-	1
Wisconsin	2	-	33	-	-	-	-	-	3	9	-	-	-
WEST NORTH CENTRAL	6	-	16	-	6	11	1	-	5	7	11	1	13
Minnesota	-	-	-	-	-	-	1	-	2	-	-	-	5
Iowa	-	-	16	-	-	-	-	-	1	1	-	-	-
Missouri *	6	-	-	-	-	8	-	-	1	2	4	1	6
North Dakota *	-	-	-	-	6	-	-	-	-	-	-	-	1
South Dakota	-	-	-	-	-	-	-	-	-	-	-	-	-
Nebraska	-	-	-	-	-	-	-	-	1	2	1	-	1
Kansas	-	-	-	-	-	3	-	-	-	2	6	-	-
SOUTH ATLANTIC	14	1	46	-	-	8	5	2	16	96	8	3	46
Delaware	-	-	-	-	-	-	-	-	-	1	-	-	-
Maryland	-	-	1	-	-	1	-	-	7	8	2	-	9
District of Columbia	-	-	-	-	-	-	-	-	1	1	-	-	9
Virginia	2	1	3	-	-	1	1	-	2	5	-	1	6
West Virginia	4	-	41	-	-	-	-	-	-	11	-	-	1
North Carolina	2	-	NN	-	-	3	3	1	1	10	3	1	5
South Carolina	4	-	-	-	-	1	1	-	1	5	2	1	2
Georgia	-	-	-	-	-	-	-	-	-	41	-	-	9
Florida	2	-	1	-	-	2	-	1	4	14	1	-	5
EAST SOUTH CENTRAL	23	-	5	-	-	17	4	-	17	51	3	-	10
Kentucky	1	-	1	-	-	7	-	-	5	20	3	-	3
Tennessee	6	-	NN	-	-	5	2	-	7	25	-	-	-
Alabama	15	-	3	-	-	-	1	-	4	2	-	-	5
Mississippi	1	-	1	-	-	5	1	-	1	4	-	-	2
WEST SOUTH CENTRAL	7	2	9	-	6	3	5	2	10	47	9	1	21
Arkansas *	3	-	-	-	-	1	2	1	-	13	-	-	1
Louisiana	-	-	NN	-	-	-	-	1	2	5	1	-	-
Oklahoma	2	-	3	-	-	-	2	-	6	6	6	1	2
Texas*	2	2	6	-	6	2	1	-	2	23	2	-	18
MOUNTAIN	12	-	17	-	17	1	-	-	3	18	9	-	13
Montana	-	-	14	-	1	-	-	-	-	1	1	-	-
Idaho	2	-	2	-	-	-	-	-	-	1	-	-	-
Wyoming	-	-	-	-	-	-	-	-	-	-	-	-	-
Colorado	10	-	1	-	-	1	-	-	1	2	1	-	8
New Mexico	-	-	-	-	2	-	-	-	-	3	1	-	-
Arizona	-	-	-	-	14	-	-	-	2	6	2	-	3
Utah	-	-	-	-	-	-	-	-	-	2	4	-	2
Nevada *	-	-	-	-	-	-	-	-	-	3	-	-	-
PACIFIC	11	-	19	-	176	4	5	-	33	76	22	3	97
Washington	-	-	4	-	167	2	3	-	-	7	3	-	4
Oregon	1	-	-	-	-	1	-	-	13	14	9	-	8
California *	9	-	-	-	4	1	2	-	20	46	10	3	80
Alaska	-	-	4	-	5	-	-	-	-	-	-	-	2
Hawaii	1	-	11	-	-	-	-	-	-	9	-	-	3
Guam *	-	-	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico	-	-	18	-	-	-	-	4	15	-	-	-	1
Virgin Islands	-	-	-	-	-	-	-	-	-	-	-	-	-

NN: Not Notifiable  
 \*Delayed reports: Aseptic Meningitis: N.J. 96, Mo. delete 3,  
 Texas delete 11, Guam 1  
 Brucellosis: Ark. 1  
 Chickenpox: N.H. 1, Calif. 6  
 Encephalitis, primary: N.J. 4, Ohio 1, Mo. delete 2,

Encephalitis, Post: Ohio delete 1  
 Hepatitis B: Ohio 1, N.D. delete 1  
 Hepatitis A: Me. 4, Pa. delete 20,  
 Ohio delete 1, Mo. delete 14,  
 Nev. 4  
 Hepatitis unspecified: Me. 3

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TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
FOR WEEKS ENDING SEPTEMBER 6, 1975 AND SEPTEMBER 7, 1974 (36th WEEK)

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	50	21,193	19,803	15	1,076	958	217	46,682	33	43	14,744	61
NEW ENGLAND	1	313	927	-	60	47	5	1,601	1	2	2,046	3
Maine	-	14	43	-	6	3	-	76	-	-	39	-
New Hampshire	-	21	208	-	2	7	-	74	-	-	305	-
Vermont	-	49	56	-	-	2	-	16	-	-	70	-
Massachusetts	1	115	383	-	20	15	-	206	-	2	1,197	1
Rhode Island	-	3	61	-	3	7	-	590	-	-	26	-
Connecticut	-	111	176	-	29	13	5	639	1	-	409	2
MIDDLE ATLANTIC	6	1,757	7,988	2	107	146	19	2,527	4	7	1,687	9
Upstate New York	3	577	932	-	31	55	5	922	2	1	271	1
New York City	3	142	583	-	29	33	13	747	2	2	161	2
New Jersey	-	460	5,523	1	18	42	-	338	-	3	983	3
Pennsylvania	-	578	950	1	29	16	1	520	-	1	272	3
EAST NORTH CENTRAL	21	6,315	7,656	1	146	114	79	19,343	18	19	4,113	5
Ohio	-	109	3,041	1	43	41	18	2,197	-	1	612	2
Indiana	3	381	226	-	6	11	9	1,980	5	7	951	-
Illinois	9	1,801	2,012	-	19	10	6	2,236	3	2	295	2
Michigan	2	3,010	1,907	-	59	36	8	8,000	8	1	1,396	2
Wisconsin	7	1,014	470	-	19	16	38	4,930	2	8	859	1
WEST NORTH CENTRAL	1	4,971	681	2	65	70	13	3,260	-	1	1,461	3
Minnesota	-	182	83	-	15	23	-	38	-	-	37	1
Iowa *	-	574	134	-	6	13	9	1,011	-	-	30	-
Missouri	1	268	257	2	32	16	2	905	-	-	730	1
North Dakota	-	1,051	28	-	-	3	2	463	-	1	66	-
South Dakota	-	356	27	-	1	3	-	6	-	-	18	-
Nebraska	-	395	2	-	2	3	-	34	-	-	21	-
Kansas	-	2,145	150	-	9	9	-	803	-	-	559	1
SOUTH ATLANTIC	12	342	530	5	219	194	44	3,130	2	4	1,529	14
Delaware	-	35	7	-	6	5	1	9	-	-	19	-
Maryland	-	48	22	-	24	18	11	237	-	-	37	-
District of Columbia	-	1	3	-	5	1	-	113	-	-	-	-
Virginia	-	38	31	-	18	30	2	752	-	1	314	1
West Virginia	2	153	191	-	5	7	12	1,040	-	3	199	1
North Carolina	-	2	5	2	39	41	-	102	2	-	43	6
South Carolina	-	-	49	-	34	16	-	49	-	-	739	2
Georgia	10	40	4	-	14	8	-	17	-	-	2	-
Florida	-	25	218	3	74	68	18	811	-	-	176	4
EAST SOUTH CENTRAL	-	271	214	3	155	98	16	4,397	6	3	941	3
Kentucky	-	83	149	2	64	38	2	1,680	2	1	231	1
Tennessee	-	177	34	1	49	44	9	2,048	3	2	682	-
Alabama	-	3	18	-	29	9	1	372	-	-	21	1
Mississippi	-	8	13	-	13	7	4	297	1	-	7	1
WEST SOUTH CENTRAL	1	298	191	1	182	157	15	4,235	1	1	706	12
Arkansas	-	-	6	-	9	11	1	170	-	-	19	-
Louisiana	-	1	13	-	31	32	-	335	-	-	280	4
Oklahoma	-	125	25	-	9	17	1	185	-	-	85	-
Texas *	1	172	147	1	133	97	13	3,545	1	1	322	8
MOUNTAIN	2	1,403	735	-	34	30	3	873	1	2	506	-
Montana	-	50	373	-	7	1	1	26	-	-	252	-
Idaho	-	12	51	-	5	2	-	12	1	-	74	-
Wyoming	-	1	1	-	-	3	-	2	-	-	-	-
Colorado	-	1,158	30	-	9	8	1	595	-	1	129	-
New Mexico	-	13	61	-	4	2	-	19	-	-	15	-
Arizona	2	76	15	-	1	5	-	-	-	-	2	-
Utah	-	66	5	-	7	6	-	132	-	-	26	-
Nevada	-	27	199	-	1	3	1	87	-	1	8	-
PACIFIC	6	5,523	881	1	108	102	23	7,316	-	4	1,755	12
Washington	1	289	63	-	17	11	1	3,688	-	-	267	1
Oregon	-	196	-	-	4	12	7	619	-	3	164	-
California	5	4,974	755	1	82	73	13	2,930	-	1	1,307	10
Alaska	-	-	-	-	4	3	-	42	-	-	-	-
Hawaii	-	64	63	-	1	3	2	37	-	-	17	1
Guam	-	22	14	-	2	1	-	22	-	-	7	-
Puerto Rico	8	608	574	-	1	6	18	704	1	-	20	12
Virgin Islands	-	8	24	-	-	-	-	221	-	-	3	2

\*Delayed reports: Pertussis: Iowa 1, Texas delete 1

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES FOR WEEKS ENDING SEPTEMBER 6, 1975 AND SEPTEMBER 7, 1974 (36th WEEK)

AREA	TUBERCULOSIS		TULA-REMIA	TYPHOID FEVER		TYPHUS-FEVER TICK-BORNE (Rky. Mt. spotted fever)		VENEREAL DISEASES (Civilian Cases Only)					RABIES IN ANIMALS	
	1975	Cum. 1975	Cum. 1975	1975	Cum. 1975	1975	Cum. 1975	1975	GONORRHEA		SYPHILIS (Pri. & Sec.)		Cum. 1975	
									1975	Cumulative 1975	1974	Cumulative 1974		
UNITED STATES	452	22,986	87	4	215	29	672	18,677	674,664	607,239	419	17,590	17,461	1,708
NEW ENGLAND	9	919	-	1	10	-	6	392	18,232	16,251	15	608	616	48
Maine	-	56	-	-	-	-	-	-	1,402	1,319	-	21	28	28
New Hampshire	-	25	-	-	-	-	-	12	506	513	-	11	9	2
Vermont	-	18	-	-	-	-	-	14	456	442	-	5	1	-
Massachusetts	3	529	-	-	5	-	2	132	8,496	7,478	7	392	437	10
Rhode Island	-	97	-	-	-	-	3	18	1,500	1,373	-	13	12	1
Connecticut	6	194	-	1	5	-	1	216	5,872	5,126	8	166	129	7
MIDDLE ATLANTIC	72	4,202	4	-	40	3	71	2,677	79,357	75,219	58	3,199	3,793	75
Upstate New York	6	600	3	-	6	-	29	417	13,994	13,960	1	306	373	60
New York City	26	1,686	-	-	19	-	-	1,269	34,323	32,483	36	1,835	2,186	-
New Jersey	5	802	1	-	6	-	9	655	11,274	10,850	13	504	610	-
Pennsylvania	35	1,114	-	-	9	3	33	336	19,766	17,926	8	554	624	15
EAST NORTH CENTRAL	81	3,176	5	-	26	1	16	3,448	111,090	96,327	35	1,454	1,479	83
Ohio	31	919	-	-	8	-	14	859	30,666	24,942	13	341	208	5
Indiana	9	404	-	-	1	1	1	286	9,650	9,335	4	114	131	8
Illinois	20	860	-	-	12	-	1	1,430	38,603	31,502	14	706	766	20
Michigan	13	891	1	-	5	-	-	513	21,387	21,800	3	232	300	7
Wisconsin	8	102	4	-	1	-	-	360	10,784	8,748	1	61	74	43
WEST NORTH CENTRAL	17	844	14	1	10	-	25	864	33,283	31,694	19	445	450	392
Minnesota	-	110	-	1	3	-	-	118	6,891	6,654	8	85	58	101
Iowa	8	90	1	-	1	-	-	345	4,799	4,238	-	24	29	78
Missouri	5	414	10	-	5	-	13	136	11,920	10,609	2	207	298	43
North Dakota	-	9	-	-	-	-	-	24	527	487	-	5	5	75
South Dakota	-	53	-	-	-	-	-	36	1,323	1,461	-	5	2	47
Nebraska	1	29	1	-	-	-	2	35	2,920	2,662	-	14	10	4
Kansas	3	139	2	-	1	-	10	170	4,903	5,583	9	105	48	44
SOUTH ATLANTIC	96	5,094	16	1	30	13	346	4,541	166,916	156,718	161	5,502	5,480	238
Delaware	8	105	-	-	-	1	4	79	2,438	2,147	-	65	57	-
Maryland	11	836	1	-	5	-	25	632	20,102	15,960	7	398	542	7
District of Columbia	5	275	1	-	-	-	-	220	9,716	13,765	13	477	446	-
Virginia	8	586	6	1	6	5	95	278	16,400	14,251	4	422	546	85
West Virginia	8	189	-	-	4	1	4	60	2,067	1,835	2	41	11	3
North Carolina	16	825	-	-	2	4	107	981	23,571	21,022	23	684	645	7
South Carolina	12	309	3	-	3	2	74	580	15,628	15,026	21	377	491	8
Georgia	13	739	4	-	1	-	32	547	30,957	30,622	31	727	818	110
Florida	15	1,230	1	-	9	-	5	1,164	46,037	42,090	60	2,311	1,924	18
EAST SOUTH CENTRAL	47	1,971	10	1	21	4	84	2,030	57,422	51,995	28	771	870	123
Kentucky	15	371	1	1	7	2	5	295	7,514	6,422	2	121	202	83
Tennessee	23	752	9	-	10	-	59	745	22,660	20,535	9	291	331	20
Alabama	4	573	-	-	2	1	7	532	15,837	14,397	10	177	168	20
Mississippi	5	275	-	-	2	1	13	458	11,411	10,641	7	182	169	-
WEST SOUTH CENTRAL	47	2,579	33	-	10	8	117	2,226	82,531	79,235	28	1,499	1,558	373
Arkansas	4	349	14	-	-	-	17	-	8,448	8,188	-	46	73	60
Louisiana	5	333	2	-	4	-	-	575	15,362	16,608	9	348	435	4
Oklahoma	1	223	9	-	-	7	81	220	7,983	6,776	-	58	91	77
Texas	37	1,674	8	-	6	1	19	1,431	50,738	47,663	19	1,047	959	232
MOUNTAIN	17	696	3	-	7	-	6	681	26,394	23,353	8	409	393	190
Montana	-	39	1	-	-	-	4	54	1,427	1,291	-	4	2	142
Idaho	-	23	-	-	-	-	1	30	1,327	1,218	-	10	8	-
Wyoming	1	21	2	-	1	-	-	11	610	517	1	10	2	5
Colorado	3	143	-	-	1	-	1	215	6,579	6,505	-	69	92	-
New Mexico	2	95	-	-	2	-	-	76	4,794	3,305	3	111	59	30
Arizona	7	302	-	-	3	-	-	206	7,214	6,751	2	152	174	11
Utah	-	30	-	-	-	-	-	67	1,716	1,311	-	12	8	2
Nevada	4	43	-	-	-	-	-	22	2,727	2,455	2	41	48	-
PACIFIC	66	3,505	2	-	61	-	1	1,818	99,439	76,447	67	3,703	2,822	186
Washington	11	276	1	-	5	-	1	263	9,077	8,220	24	142	86	-
Oregon	1	128	-	-	-	-	-	176	7,615	7,591	1	94	66	6
California	35	2,647	1	-	54	-	-	1,309	78,653	57,170	42	3,428	2,644	177
Alaska	-	43	-	-	1	-	-	25	2,384	1,872	-	5	4	3
Hawaii	19	411	-	-	1	-	-	45	1,710	1,594	-	34	22	-
Guam	-	40	-	-	-	-	-	-	274	-	-	8	-	-
Puerto Rico	6	360	-	-	3	-	-	46	2,019	2,316	9	500	617	37
Virgin Islands	-	3	-	-	2	-	-	9	130	536	1	28	45	-

\*Delayed reports: Tuberculosis: Iowa delete 1, Guam 3  
 Gonorrhea: N.H. 2, Neb. delete 1 civil; 1 Mil.  
 N.M. delete 3, Nev. 81, Guam 5  
 Syphilis: Ohio delete 1, Nev. 1  
 Rabies: Del. 3, N.M. 1, Ariz. 5



## Morbidity and Mortality Weekly Report

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TABLE IV. DEATHS IN 121 UNITED STATES CITIES FOR WEEK ENDING SEPTEMBER 6, 1975

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

Area	All Causes					Pneu- monia and Influenza All Ages	Area	All Causes					Pneu- monia 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>	601	352	174	41	15	33	<b>SOUTH ATLANTIC</b>	1,124	592	313	100	67	31
Boston, Mass.	178	88	62	15	7	7	Atlanta, Ga.	107	61	29	13	2	1
Bridgeport, Conn.	29	17	10	1	1	2	Baltimore, Md.	214	127	55	15	11	2
Cambridge, Mass.	17	12	5	—	—	2	Charlotte, N. C.	61	28	17	7	3	2
Fall River, Mass.	33	28	5	—	—	1	Jacksonville, Fla.	55	29	17	4	4	—
Hartford, Conn.	54	25	20	5	1	4	Miami, Fla.	96	52	24	3	11	2
Lowell, Mass.	17	9	7	—	1	—	Norfolk, Va.	50	27	13	4	2	3
Lynn, Mass.	13	10	2	—	—	1	Richmond, Va.	86	36	27	9	10	6
New Bedford, Mass.	22	17	4	—	—	2	Savannah, Ga.	28	11	10	4	—	—
New Haven, Conn.	43	23	16	3	—	—	St. Petersburg, Fla.	56	48	6	—	2	4
Providence, R. I.	61	32	17	8	2	6	Tampa, Fla.	59	31	16	6	3	4
Somerville, Mass.	9	8	1	—	—	1	Washington, D. C.	253	106	82	33	19	6
Springfield, Mass.	41	23	12	2	2	5	Wilmington, Del.	59	36	17	2	—	1
Waterbury, Conn.	23	13	4	3	1	1	<b>EAST SOUTH CENTRAL</b>	526	298	140	41	22	21
Worcester, Mass.	61	47	9	4	—	1	Birmingham, Ala.	92	61	19	3	5	2
<b>MIDDLE ATLANTIC</b>	2,457	1,493	650	147	96	123	Chattanooga, Tenn.	49	30	13	3	2	3
Albany, N. Y.	47	32	9	1	3	2	Knoxville, Tenn.	34	22	8	1	2	—
Allentown, Pa.	19	14	4	1	—	—	Louisville, Ky.	70	37	18	8	3	6
Buffalo, N. Y.	117	66	38	5	4	2	Memphis, Tenn.	113	54	37	10	4	1
Camden, N. J.	36	21	11	1	—	—	Mobile, Ala.	50	34	10	4	1	2
Elizabeth, N. J.	37	19	15	2	1	—	Montgomery, Ala.	33	20	11	1	1	1
Erie, Pa.	25	18	3	2	2	2	Nashville, Tenn.	85	40	24	11	4	6
Jersey City, N. J.	63	19	36	4	4	2	<b>WEST SOUTH CENTRAL</b>	920	510	255	78	35	25
Newark, N. J.	69	29	22	11	3	3	Austin, Tex.	27	17	6	2	1	2
New York City, N. Y. †	1,307	825	325	85	38	63	Baton Rouge, La.	53	30	15	3	3	2
Paterson, N. J.	34	20	8	3	1	3	Corpus Christi, Tex.	32	12	11	2	4	1
Philadelphia, Pa.	202	119	50	13	15	24	Dallas, Tex.	142	75	47	12	3	2
Pittsburgh, Pa.	183	96	53	11	16	11	El Paso, Tex.	41	18	14	4	2	3
Reading, Pa.	39	27	7	2	—	1	Fort Worth, Tex.	63	40	13	5	2	1
Rochester, N. Y.	88	56	24	3	2	2	Houston, Tex.	138	68	41	19	5	4
Schenectady, N. Y.	31	22	7	—	1	—	Little Rock, Ark.	44	31	5	4	3	1
Scranton, Pa.	28	19	6	2	1	—	New Orleans, La.	124	78	27	9	5	—
Syracuse, N. Y.	45	27	11	1	5	1	San Antonio, Tex.	129	69	36	9	6	3
Trenton, N. J.	40	28	11	—	—	1	Shreveport, La.	62	32	21	4	1	1
Utica, N. Y.	23	16	7	—	—	4	Tulsa, Okla.	65	40	19	5	—	5
Yonkers, N. Y.	24	20	3	—	—	2	<b>MOUNTAIN</b>	437	241	117	23	23	17
<b>EAST NORTH CENTRAL</b>	1,983	1,156	533	148	60	60	Albuquerque, N. Mex.	47	19	22	2	2	3
Akron, Ohio	55	35	11	5	1	—	Colorado Springs, Colo.	41	22	12	—	2	5
Canton, Ohio	32	24	4	2	1	2	Denver, Colo.	87	57	16	5	4	2
Chicago, Ill.	529	271	162	50	17	18	Las Vegas, Nev.	22	8	9	4	—	—
Cincinnati, Ohio	112	65	35	6	3	1	Ogden, Utah	19	11	7	1	—	1
Cleveland, Ohio	171	99	48	12	4	5	Phoenix, Ariz.	97	63	21	3	4	3
Columbus, Ohio	91	51	23	9	5	2	Pueblo, Colo.	16	11	3	—	—	2
Dayton, Ohio	89	55	25	3	2	2	Salt Lake City, Utah	59	31	11	4	8	1
Detroit, Mich.	259	149	67	27	5	6	Tucson, Ariz.	49	19	16	4	3	—
Evansville, Ind.	33	23	6	2	1	2	<b>PACIFIC</b>	1,395	863	339	88	53	38
Fort Wayne, Ind.	50	29	8	4	1	3	Berkeley, Calif.	12	7	4	1	—	1
Gary, Ind.	14	9	2	3	—	—	Fresno, Calif.	57	30	12	3	8	3
Grand Rapids, Mich.	44	32	7	1	2	4	Glendale, Calif.	24	21	2	1	—	—
Indianapolis, Ind.	121	74	33	9	2	2	Honolulu, Hawaii	50	25	15	4	4	4
Madison, Wis.	9	8	1	—	—	4	Long Beach, Calif.	71	49	15	4	—	1
Milwaukee, Wis.	114	73	31	5	4	3	Los Angeles, Calif.	427	279	97	31	11	13
Peoria, Ill.	32	13	12	2	4	—	Oakland, Calif.	51	29	17	3	—	—
Rockford, Ill.	29	19	6	1	2	3	Pasadena, Calif.	40	29	7	—	2	—
South Bend, Ind.	38	24	10	1	2	1	Portland, Oreg.	101	57	27	4	7	4
Toledo, Ohio	107	72	27	3	2	2	Sacramento, Calif.	67	37	17	4	4	2
Youngstown, Ohio	54	31	15	3	2	—	San Diego, Calif.	83	46	22	6	2	—
<b>WEST NORTH CENTRAL</b>	605	395	122	29	35	26	San Francisco, Calif.	144	76	49	13	2	—
Des Moines, Iowa	58	40	14	2	—	4	San Jose, Calif.	58	42	9	4	1	2
Duluth, Minn.	18	14	2	1	—	3	Seattle, Wash.	119	75	26	6	9	2
Kansas City, Kans.	32	14	11	4	2	3	Spokane, Wash.	55	41	9	2	1	4
Kansas City, Mo.	99	64	20	5	5	1	Tacoma, Wash.	36	20	11	2	2	2
Lincoln, Nebr.	21	13	7	—	1	—	<b>Total</b>	10,048	5,900	2,643	695	406	374
Minneapolis, Minn.	69	40	14	3	9	1	<b>Expected Number</b>	11,820	6,982	3,137	819	373	373
Omaha, Nebr.	59	39	14	2	2	4							
St. Louis, Mo.	143	94	27	8	12	4							
St. Paul, Minn.	54	42	6	2	1	2							
Wichita, Kans.	52	35	7	2	3	8							

†Delayed report for week ending Sept. 6, 1975

CURRENT TRENDS  
 FOLLOW-UP ON ST. LOUIS ENCEPHALITIS – United States

Through September 5, 1975, a total of 139 confirmed cases of St. Louis encephalitis virus infection had been reported from 14 states. An additional 206 cases with some serologic evidence of infection (the majority by single positive antibody titers) have also been reported (Table 1).

(Reported by the State Epidemiologists and/or other health officials of: Alabama, Arkansas, Georgia, Illinois, Indiana, Kentucky, Louisiana, Mississippi, Missouri, New Jersey, North Dakota, Ohio, Tennessee, and Texas.

Table 1  
 States with Confirmed or Seropositive Cases  
 of SLE Virus Infection, September 5, 1975

State	Cases		Total
	Confirmed*	Some Serologic Evidence	
Alabama	4	3	7
Arkansas	1	3	4
Georgia	1	0	1
Illinois	24	105	129
Indiana	9	1	10
Kentucky	6	0	6
Louisiana	1	3	4
Mississippi	65	63	128
Missouri	3	2	5
New Jersey	2	0	2
North Dakota	7	4	11
Ohio	4	3	7
Tennessee	7	5	12
Texas	5	14	19
Total	139	206	345

\*By serology (138) or by virus isolation (1)

INTERNATIONAL NOTES  
 QUARANTINE MEASURES

The following change 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:

**ALABAMA – Birmingham**  
 Jefferson County Department of Health  
 Phone: 933-9110 ext 257

**ALABAMA – Montgomery**  
 State Department of Health  
 Phone: 832-3200

**ARIZONA – Tucson**  
 Pima County Health Department  
 Add to hours: By appointment

**CALIFORNIA – Hollywood**  
 Medical Clinic for Immunization  
 Hours: By appointment  
 Mon-Fri, 4-5 pm; Tues-Wed, 10-11 am

**CALIFORNIA – Palo Alto**  
 Palo Alto Medical Clinic  
 Hours: Tues & Wed, 11 am-12 noon;  
 Sat, 9-10 am

**CALIFORNIA – Sacramento**  
 New name and address:  
 South City Health Center  
 County Health Department  
 7222 24th St 95822  
 Hours: By appointment Mon-Fri, 2 pm

**DELAWARE – Wilmington**  
 Hercules Inc, Medical Department  
 Hours: second and third Fri, each month

**DISTRICT OF COLUMBIA – Washington**  
 Freedmen's Hospital  
 Sixth and Bryant Streets, NW 20001  
 New name and address: Howard University Hospital, 2041 Georgia Ave, NW, Room 5C49, 20001  
 Phone: 202-745-6625  
 Hours: By appointment Tues, 1-5 pm

**IDAHO – Caldwell**  
 Southwest District Health Department  
 Hours: Tues, 8 am-12 noon; 1-5 pm

**ILLINOIS – Peoria**  
 City-County Health Department 61604  
 New name: City Health Department

**INDIANA – Elkhart**  
 County Health Unit  
 Address: 315 South Second St 46514  
 Phone: 219-294-1688 ext 261

**MAINE – Portland**  
 US Public Health Service Outpatient Clinic  
 Hours: Fri, 10-11 am

**MASSACHUSETTS – Boston**  
 US Public Health Service Hospital  
 Hours: Mon & Wed, 3-4 pm

## QUARANTINE MEASURES - Continued

**MISSOURI - Kansas City**  
Trans-World Airlines, Inc  
Address: PO Box 20007, 64195

**NEVADA - Reno**  
Washoe County District Health Dept  
Hours: By appointment Tues, 3:30 pm

**NEW YORK - Jamaica**  
American Airlines Medical Dept  
Add to clinic hours: By appointment

**NORTH CAROLINA - Durham**  
Duke University Medical Center  
Hours: Thurs, 3:30-4:30 pm

**NORTH DAKOTA - Fargo**  
City Health Department  
New name: City Community Health  
Center  
Address: 401 Third Ave North 58102  
Hours: Tues, 1:30-2:30 pm

**OHIO - Canton**  
City Health Department  
Hours: Fri, 10:15-11:15 am

**OHIO - Columbus**  
Family Medicine Clinic  
Phone: 614-422-1590  
Hours: By appointment, Mon &  
Thurs, 5-6 pm

**OKLAHOMA - Stillwater**  
Student Hospital and Clinic  
Oklahoma State University  
New name: Oklahoma State University  
Hospital  
Phone ext: 359

**PENNSYLVANIA - Erie**  
County Department of Health  
Hours: By appointment only

**PENNSYLVANIA - Philadelphia**  
US Public Health Service Outpatient  
Clinic  
New address: 7th Floor, US Custom  
House, Second and Chestnut  
Streets 19106  
Phone: 215-597-0688

**TEXAS - Freeport**  
City Health Office  
New suite number: 109B

**TEXAS - Corpus Christi**  
Corpus Christi-Nueces  
County Department of Public Health  
and Welfare  
New address: 1301 Leopard Street  
PO Drawer 9727 78408

**VIRGINIA - Herndon**  
Reston-Herndon Medical Center, Ltd  
New address: 800 Third Street 22070

**VIRGINIA - Roanoke**  
City Health Department  
Add to address: PO Box 12926  
Zip code: 24029

The Morbidity and Mortality Weekly Report, circulation 45,000, is published by the Center for Disease Control, Atlanta, Ga.

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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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DHEW Publication No. (CDC) 76-8017

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