



# Morbidity and Mortality

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE / PUBLIC HEALTH SERVICE HEALTH SERVICES AND MENTAL HEALTH ADMINISTRATION  
DATE OF RELEASE: NOVEMBER 20, 1970 - ATLANTA, GEORGIA 30333

**EPIDEMIOLOGIC NOTES AND REPORTS**  
**PLAGUE - California**

The twelfth reported case of bubonic plague in the United States for 1970 has been retrospectively diagnosed in a 10-year-old girl from Tehachapi, California. On Aug. 20, 1970, the girl first noticed tenderness in the left inguinal area. Two days later she was admitted to Tahachapi Hospital, at which time she complained of fever, malaise, left inguinal pain, vomiting, and abdominal discomfort. She had a temperature of 102.4°F. and generalized tender lymphadenopathy. The left inguinal region was particularly painful and erythematous. Left upper quadrant tenderness was noted, but neither spleen nor liver could be palpated. White blood count was 19,700 and admission chest film was interpreted as showing fullness of the right hilum with pneumonitis on the right. The patient's illness was diagnosed as tularemia and she was given streptomycin and tetracycline. The bubo in the left inguinal region was in-

**CONTENTS**

Epidemiologic Notes and Reports  
Plague - California . . . . . 437  
Surveillance Summary  
Non-Polio Enterovirus Isolations - 1969 . . . . . 438  
International Notes  
Quarantine Measures . . . . . 444

cised and drained during the course of treatment and continued to drain for over 1 week. The patient has since recovered fully.

Acute phase serum and two convalescent phase sera were negative for tularemia agglutination. Later, these samples were sent to the Zoonoses Section, CDC, for plague agglutination studies. In November, the acute specimen was found to be negative and both convalescent specimens were positive at a titer of 1:64 to fraction 1 of *Yersinia pestis*.

Epidemiologic investigation revealed that 3 weeks prior to the onset of her illness, the patient had been hik-

(Continued on page 438)

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

DISEASE	45th WEEK ENDED		MEDIAN 1965 - 1969	CUMULATIVE, FIRST 45 WEEKS		
	November 16, 1970	November 8, 1969		1970	1969	MEDIAN 1965 - 1969
Aseptic meningitis . . . . .	142	116	72	5,416	3,089	2,677
Brucellosis . . . . .	4	5	4	182	205	216
Diphtheria . . . . .	5	7	7	389	154	154
Encephalitis, primary:						
Arthropod-borne & unspecified . . . . .	46	33	25	1,392	1,120	1,433
Encephalitis, post-infectious . . . . .	1	1	3	346	271	593
Hepatitis, serum . . . . .	163	126	781	6,328	4,593	35,171
Hepatitis, infectious . . . . .	1,166	1,112		48,837	41,129	
Malaria . . . . .	49	53	27	2,951	2,701	1,800
Measles (rubeola) . . . . .	369	276	276	42,043	21,947	59,892
Meningococcal infections, total . . . . .	35	29	33	2,127	2,597	2,597
Civilian . . . . .	34	27	30	1,912	2,388	2,388
Military . . . . .	1	2	2	215	209	191
Mumps . . . . .	2,004	1,386	---	86,140	75,287	---
Poliomyelitis, total . . . . .	2	---	---	26	17	54
Paralytic . . . . .	2	---	---	26	16	42
Rubella (German measles) . . . . .	367	413	---	52,218	51,759	---
Tetanus . . . . .	6	8	4	115	142	168
Tularemia . . . . .	---	---	1	134	128	158
Typhoid fever . . . . .	9	12	6	304	289	348
Typhus, tick-borne (Rky. Mt. spotted fever) . . . . .	1	3	3	330	437	269
Rabies in animals . . . . .	46	44	57	2,627	2,923	3,527

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

	Cum.		Cum.
Anthrax: . . . . .	2	Psittacosis: Kans.-1 . . . . .	28
Botulism: . . . . .	12	Rabies in Man: . . . . .	2
Leprosy: Calif.-1, Hawaii-1, Ill.-1 . . . . .	104	Rubella congenital syndrome: Tenn.-1 . . . . .	56
Leptospirosis: Fla.-1 . . . . .	41	Trichinosis: N.Y.Ups.-1 . . . . .	88
Plague: Calif.-1 . . . . .	12	Typhus, murine: . . . . .	32

PLAGUE - (Continued from front page)

ing and camping in Inyo County, California, and had noted insect bites on her legs after the trip. Also, in the week preceding her illness, the patient played with a pet rabbit that reportedly had a "sore leg." Plague field studies are in progress in both Kern and Inyo counties.

(Reported by Sam P. Conklin, M.D., private physician, Tehachapi, California; W. C. Buss, M.D., Director of Com-

municable Disease Control, Kern County (Calif.) Health Department; James Chin, M.D., Chief, and R. W. Emmons, M.D., Bureau of Communicable Disease Control, Richard Peters, Chief, Bureau of Vector Control and Solid Waste Management, Ronald Wood, Ph.D., Chief, Microbial Diseases Laboratory, California State Department of Public Health; and Zoonoses Section, Ecologic Investigations Program, CDC, Fort Collins, Colorado.)

SURVEILLANCE SUMMARY  
NON-POLIO ENTEROVIRUS ISOLATIONS - 1969

In 1969, 25 of the 53 state and territorial health departments reported 813 patients from whom a non-polio enterovirus was isolated (Table 1). These reports reflect a

change in emphasis from reports of individual virus isolations to reports of individual patients from whom isolations

(Continued on page 444)

Table 1  
Cases of Non-Polio Enterovirus Infection by Reporting Area and Virus Type  
25 Participating Reporting Areas - 1969

Reporting Area	Coxsackie Types						Echovirus Types										Total	
	A9	A16	B2	B3	B4	Other	E1	E3	E4	E6	E9	E11	E14	E18	E30	Other		
Maine					1												1	
Massachusetts					1	1										2	4	
Connecticut	6	6	8		5	1	2	1	11	1	1	1			8	11	62	
New York City			1		2	1			3	2		5			3	4	21	
New York State	5		5	3	5	6		3	1	19	11	1	1	2	7	8	77	
Ohio	2								1	8							11	
Michigan	1	1	3	2	3	2		1	4	12				1	5	4	39	
Wisconsin	2	1	4	7	3	4			7	7		9	1	68	1	2	111	
Minnesota	5		16	2	15	1			7	7	142	12	1	13	68	5	294	
Iowa	1				1	1		7	15	1	3					2	31	
Kansas	3		1	2	1					2	1	7	1		1	3	22	
Maryland						1											1	
Virginia															1		1	
North Carolina	1				8	2		1		2			1				15	
South Carolina		3			3	1				6	3				2		18	
Tennessee						1			4								5	
Mississippi											1						1	
Arkansas		1													1		2	
Louisiana				1	2						12	1			1		17	
Texas				3	1				8		4				2	3	21	
Utah										5							5	
Montana	1				1								1		6		9	
Colorado	2	1		10	1				1	3	1	1			18	1	39	
New Mexico																	1	
Oregon					1			1			2					1	5	
Totals	29	13	38	30	54	22		3	13	40	79	193	32	12	84	126	45	813

Table 2  
Non-Polio Enterovirus Isolations - 1961-1969\*

Year	Number States Reporting	Coxsackie Types								Echovirus Types										Total	
		A9	A16	B1	B2	B3	B4	B5	Other	1	3	4	6	9	11	12	14	18	30		Other
1961	40	**	**	**	119	**	112	747	89	0	**	**	**	42	73	0	**	**	0	138	1,320
1962	34	15	4	15	57	119	7	32	96	1	1	54	1	115	23	1	16	0	0	71	628
1963	28	91	5	137	28	11	44	6	60	3	1	72	10	88	32	0	27	2	0	104	721
1964	23	49	4	33	52	0	66	5	41	1	12	34	33	42	18	1	7	3	1	57	459
1965	23	8	5	6	59	3	22	38	110	0	0	1	68	171	14	6	13	3	2	56	486
1966	21	18	18	1	34	2	4	27	23	2	2	14	29	73	3	2	8	3	0	45	308
1967	19	21	9	2	10	2	6	188	11	4	0	7	18	99	3	2	2	4	0	25	413
1968	30	16	86	3	40	66	46	38	21	7	13	15	40	260	12	15	30	7	141	94	950
1969	25	29	13	0	38	30	54	8	14	3	13	40	79	193	32	9	12	84	126	36	813

\*Multiple isolations of same type from one patient are counted as one isolation in 1969; in prior years, each isolate counted as one  
\*\*Included in "Other" column

Table 3  
Cases of Non-Polio Enterovirus Infection by Age Group, Sex, and Selected Virus Types - 1969

Virus Type	Age Group and Sex										Unknown Age or Sex	Total
	0-4		5-9		10-19		20-39		40+			
	M	F	M	F	M	F	M	F	M	F		
Coxsackie A9	2	3	2	1	1	2	1				17	29
Coxsackie A16	2	1	1	1	1	3	1				3	13
Coxsackie B2	3	1	1	2			1	1			29	38
Coxsackie B3	5	3	1		1		2	3	2		13	30
Coxsackie B4	4	5	5	1	3	1	2	2			31	54
Echovirus Type 3		1	1		3	2					6	13
Echovirus Type 4	4	1	3	2	5	4	4	3	1	1	12	40
Echovirus Type 6	8	4	4	4	2	1	3	4			49	79
Echovirus Type 9	5	2	8	14	4	1	6	4			149	193
Echovirus Type 11	3	1		4	1	1					22	32
Echovirus Type 14	1	2	4	1	2						2	12
Echovirus Type 18											84	84
Echovirus 30	6	5	7	6	6	1	2	6	1		86	126
Other Types	7	7	6	2	5	4	1		1		37	70
Totals	50	36	43	38	34	20	23	23	5	1	540	813

Table 4  
Cases of Non-Polio Enterovirus Infection by Clinical Syndrome and Virus Type - 1969

Virus Type	Aseptic Meningitis	Encephalitis	Meningo-encephalitis	Paralysis	Other Syndrome	Syndrome Unknown	Total
Coxsackie A1					1		1
Coxsackie A2	1	1					2
Coxsackie A3						1	1
Coxsackie A5	2				1	1	4
Coxsackie A6						2	2
Coxsackie A7	1					1	2
Coxsackie A9	4	3			7	15	29
Coxsackie A10	1					1	2
Coxsackie A16					3	10	13
Coxsackie B2	6	1	1		3	27	38
Coxsackie B3	4	9	1		11	5	30
Coxsackie B4	5	4	1	1	9	34	54
Coxsackie B5	2				1	5	8
Echovirus Type 1	1			1		1	3
Echovirus Type 2	1						1
Echovirus Type 3	6	2			1	4	13
Echovirus Type 4	14	5	3	2	1	15	40
Echovirus Type 5	1			1	1	1	4
Echovirus Type 6	33	9	4		5	28	79
Echovirus Type 7	2	1				1	4
Echovirus Type 8					1		1
Echovirus Type 9	36	11	2		3	141	193
Echovirus Type 10					1		1
Echovirus Type 11	5	2	1	1	5	18	32
Echovirus Type 12	4				2	3	9
Echovirus Type 13		1				1	2
Echovirus Type 14	8	1			1	2	12
Echovirus Type 16	1		1			2	4
Echovirus Type 17						1	1
Echovirus Type 18	11	24	10	2	19	18	84
Echovirus Type 21						2	2
Echovirus Type 22					1	2	3
Echovirus Type 25		1				3	4
Echovirus Type 29						1	1
Echovirus Type 30	32	6		1	2	85	126
Echovirus Type 32	4				1	1	6
Enterovirus Type Unknown					2		2
Total	185	81	24	9	82	432	813

Morbidity and Mortality Weekly Report

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

NOVEMBER 14, 1970 AND NOVEMBER 8, 1969 (45th WEEK)

AREA	ASEPTIC MENIN- GITIS	BRUCEL- LOSIS	DIPH- THERIA	ENCEPHALITIS			HEPATITIS			MALARIA	
				Primary including unsp. cases		Post In- fectious	Serum	Infectious		1970	Cum. 1970
				1970	1969			1970	1970		
UNITED STATES.....	142	4	5	46	33	1	163	1,166	1,112	49	2,951
NEW ENGLAND.....	20	-	-	1	2	-	10	88	134	-	80
Maine.....	-	-	-	-	-	-	-	20	12	-	10
New Hampshire.....	-	-	-	-	-	-	1	4	8	-	6
Vermont.....	-	-	-	-	-	-	-	4	7	-	5
Massachusetts.....	-	-	-	-	2	-	7	37	83	-	38
Rhode Island.....	-	-	-	-	-	-	-	15	11	-	9
Connecticut.....	20	-	-	1	-	-	2	8	13	-	12
MIDDLE ATLANTIC.....	25	1	-	9	2	1	66	229	163	3	296
New York City.....	15	-	-	1	-	-	32	53	51	-	40
New York, Up-State...	2	-	-	-	1	-	2	44	15	2	86
New Jersey*.....	7	-	-	2	1	-	15	47	45	-	75
Pennsylvania.....	1	1	-	6	-	1	17	85	52	1	95
EAST NORTH CENTRAL.....	21	-	-	22	9	-	22	196	219	8	181
Ohio.....	9	-	-	18	3	-	5	77	41	2	30
Indiana*.....	4	-	-	-	-	-	-	11	12	2	21
Illinois.....	3	-	-	-	3	-	6	25	65	4	50
Michigan.....	4	-	-	4	3	-	11	75	93	-	80
Wisconsin.....	1	-	-	-	-	-	-	8	8	-	-
WEST NORTH CENTRAL.....	4	-	1	2	1	-	2	59	58	11	292
Minnesota*.....	1	-	-	1	1	-	1	8	10	-	22
Iowa.....	1	-	-	-	-	-	-	2	8	-	25
Missouri.....	-	-	-	-	-	-	1	6	18	1	28
North Dakota.....	-	-	-	-	-	-	-	10	1	-	3
South Dakota.....	1	-	1	-	-	-	-	1	1	-	2
Nebraska.....	-	-	-	-	-	-	-	-	11	-	6
Kansas.....	1	-	-	1	-	-	-	32	9	10	206
SOUTH ATLANTIC.....	21	-	1	3	5	-	16	97	121	13	554
Delaware.....	1	-	-	1	-	-	-	1	-	-	2
Maryland.....	9	-	-	-	-	-	2	17	15	-	70
Dist. of Columbia....	-	-	-	-	-	-	-	3	2	-	2
Virginia.....	3	-	-	-	1	-	4	16	14	3	75
West Virginia.....	-	-	-	-	-	-	-	6	8	-	11
North Carolina.....	2	-	-	-	-	-	-	11	10	2	207
South Carolina.....	-	-	-	-	-	-	1	4	3	-	49
Georgia.....	1	-	-	-	-	-	-	3	14	7	88
Florida.....	5	-	1	2	4	-	9	36	55	1	50
EAST SOUTH CENTRAL.....	5	-	-	-	5	-	4	61	56	1	178
Kentucky.....	-	-	-	-	1	-	-	15	21	-	143
Tennessee.....	4	-	-	-	2	-	2	38	20	-	-
Alabama.....	1	-	-	-	-	-	2	5	10	1	24
Mississippi.....	-	-	-	-	2	-	-	3	5	-	11
WEST SOUTH CENTRAL.....	8	-	3	-	2	-	4	63	48	-	535
Arkansas.....	-	-	-	-	-	-	2	2	-	-	14
Louisiana*.....	2	-	-	-	1	-	-	9	3	-	37
Oklahoma.....	1	-	-	-	1	-	-	5	11	-	88
Texas.....	5	-	3	-	-	-	2	47	34	-	396
MOUNTAIN.....	3	-	-	3	2	-	5	68	25	1	277
Montana.....	-	-	-	-	-	-	-	9	3	-	10
Idaho.....	-	-	-	1	-	-	-	1	-	1	7
Wyoming.....	-	-	-	-	-	-	-	2	-	-	-
Colorado*.....	3	-	-	-	2	-	3	30	-	-	236
New Mexico.....	-	-	-	2	-	-	-	8	4	-	10
Arizona.....	-	-	-	-	-	-	-	15	6	-	10
Utah.....	-	-	-	-	-	-	2	1	3	-	4
Nevada.....	-	-	-	-	-	-	-	2	9	-	-
PACIFIC.....	35	3	-	6	5	-	34	305	288	12	558
Washington.....	-	-	-	-	-	-	-	32	31	-	45
Oregon.....	2	-	-	-	-	-	1	22	12	1	19
California.....	31	3	-	6	5	-	32	244	242	5	357
Alaska.....	-	-	-	-	-	-	1	2	1	-	1
Hawaii.....	2	-	-	-	-	-	-	5	2	6	136
Puerto Rico*.....	-	-	-	-	-	-	6	14	30	-	10
Virgin Islands.....	-	-	-	-	-	-	-	-	1	-	-

\*Delayed reports: Aseptic meningitis: Minn. 3, La. delete 1, Colo. 20  
 Brucellosis: Ind. delete 2  
 Hepatitis, serum: P.R. 12  
 Hepatitis, infectious: N.J. delete 2, La. delete 1, P.R. 17

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

NOVEMBER 14, 1970 AND NOVEMBER 8, 1969 (45th WEEK) - CONTINUED

AREA	MEASLES (Rubeola)			MENINGOCOCCAL INFECTIONS, TOTAL			MUMPS		POLIOMYELITIS		
	1970	Cumulative		1970	Cumulative		1970	Cum. 1970	Total	Paralytic	
		1970	1969		1970	1969			1970	1970	Cum. 1970
UNITED STATES.....	369	42,043	21,947	35	2,127	2,597	2,004	86,140	2	2	26
NEW ENGLAND.....	11	951	1,129	3	95	105	182	9,890	-	-	-
Maine*.....	2	241	9	1	5	7	7	733	-	-	-
New Hampshire.....	-	60	242	-	9	4	10	363	-	-	-
Vermont.....	-	8	3	-	8	-	11	654	-	-	-
Massachusetts.....	8	422	225	1	39	41	42	3,023	-	-	-
Rhode Island.....	-	120	27	-	6	14	80	1,859	-	-	-
Connecticut.....	1	100	623	1	28	39	32	3,258	-	-	-
MIDDLE ATLANTIC.....	19	5,027	7,653	6	385	432	156	8,237	-	-	-
New York City.....	13	966	4,971	3	87	82	21	2,926	-	-	-
New York, Up-State...	1	324	610	2	75	82	NN	NN	-	-	-
New Jersey.....	1	1,715	962	-	152	168	79	2,273	-	-	-
Pennsylvania.....	4	2,022	1,110	1	71	100	56	3,038	-	-	-
EAST NORTH CENTRAL.....	78	10,099	2,490	7	249	351	766	23,478	-	-	2
Ohio.....	20	3,864	414	1	91	132	167	4,099	-	-	-
Indiana.....	1	274	474	1	22	45	87	2,075	-	-	-
Illinois.....	9	3,125	643	4	64	49	48	1,879	-	-	-
Michigan.....	4	1,800	332	-	61	100	221	5,811	-	-	1
Wisconsin.....	44	1,036	627	1	11	25	243	9,614	-	-	1
WEST NORTH CENTRAL.....	10	3,904	935	2	111	128	130	4,623	-	-	1
Minnesota.....	-	40	9	-	18	28	8	462	-	-	-
Iowa.....	9	1,167	336	-	13	19	110	2,851	-	-	-
Missouri.....	-	1,276	31	1	59	53	7	394	-	-	1
North Dakota.....	-	320	33	-	5	2	3	336	-	-	-
South Dakota.....	-	96	3	-	1	1	-	42	-	-	-
Nebraska.....	1	937	516	1	8	9	2	394	-	-	-
Kansas.....	-	68	7	-	7	16	-	144	-	-	-
SOUTH ATLANTIC.....	16	7,352	2,621	7	414	461	88	9,507	-	-	-
Delaware.....	2	267	395	-	3	13	7	343	-	-	-
Maryland.....	2	1,379	77	1	42	41	18	1,009	-	-	-
Dist. of Columbia...	-	344	31	-	3	9	2	200	-	-	-
Virginia.....	1	2,035	906	2	44	56	8	2,106	-	-	-
West Virginia.....	3	325	214	-	12	24	20	2,378	-	-	-
North Carolina.....	3	889	325	1	88	85	NN	NN	-	-	-
South Carolina.....	-	606	127	1	46	58	4	919	-	-	-
Georgia.....	-	17	2	1	36	77	-	3	-	-	-
Florida.....	5	1,490	544	1	140	98	29	2,549	-	-	-
EAST SOUTH CENTRAL.....	51	1,535	116	2	158	165	148	5,109	-	-	-
Kentucky.....	38	885	66	-	58	55	30	1,862	-	-	-
Tennessee.....	8	408	20	2	65	68	111	2,888	-	-	-
Alabama.....	2	148	6	-	24	25	7	311	-	-	-
Mississippi.....	3	94	24	-	11	17	-	48	-	-	-
WEST SOUTH CENTRAL.....	123	8,431	4,820	1	272	343	132	8,147	1	1	21
Arkansas.....	-	30	16	1	23	32	-	133	-	-	-
Louisiana.....	6	162	124	-	65	92	-	40	-	-	-
Oklahoma.....	78	731	142	-	21	34	48	2,642	-	-	-
Texas.....	39	7,508	4,538	-	163	185	84	5,332	1	1	21
MOUNTAIN.....	16	1,685	1,044	3	50	51	58	3,976	-	-	1
Montana.....	1	101	72	-	1	8	14	773	-	-	-
Idaho.....	9	95	90	-	7	11	-	96	-	-	-
Wyoming.....	-	11	-	-	2	-	1	37	-	-	-
Colorado.....	-	187	141	-	17	9	16	1,387	-	-	1
New Mexico.....	2	250	270	1	2	6	14	756	-	-	-
Arizona.....	4	984	459	-	15	10	13	800	-	-	-
Utah.....	-	36	11	2	5	5	-	127	-	-	-
Nevada.....	-	21	1	-	1	2	-	-	-	-	-
PACIFIC.....	45	3,059	1,139	4	393	561	344	13,173	1	1	1
Washington*.....	7	609	67	-	44	57	141	4,890	-	-	-
Oregon.....	12	388	200	-	29	19	15	1,146	-	-	-
California.....	26	1,732	814	4	317	464	128	5,413	1	1	1
Alaska.....	-	141	13	-	-	11	1	394	-	-	-
Hawaii.....	-	189	45	-	3	10	59	1,330	-	-	-
Puerto Rico.....	4	967	1,766	-	5	19	9	827	-	-	-
Virgin Island.....	2	8	45	-	3	-	-	3	-	-	-

\*Delayed reports: Measles: P.R. 5  
Meningococcal infections: Wash. delete 3  
Mumps: Me. 2, P.R. 7

## Morbidity and Mortality Weekly Report

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

NOVEMBER 14, 1970 AND NOVEMBER 8, 1969 (45th WEEK) - CONTINUED

AREA	RUBELLA		TETANUS		TULAREMIA		TYPHOID FEVER		TYPHUS FEVER TICK-BORNE (Rky. Mt. Spotted)		RABIES IN ANIMALS	
	1970	Cum. 1970	1970	Cum. 1970	1970	Cum. 1970	1970	Cum. 1970	1970	Cum. 1970	1970	Cum. 1970
UNITED STATES.....	367	52,218	6	115	-	134	9	304	1	330	46	2,627
NEW ENGLAND.....	20	2,634	-	4	-	1	-	10	-	-	5	103
Maine.....	4	460	-	-	-	-	-	-	-	-	4	43
New Hampshire.....	-	153	-	-	-	-	-	-	-	-	-	1
Vermont.....	1	60	-	-	-	-	-	-	-	-	1	50
Massachusetts.....	6	1,244	-	2	-	1	-	8	-	-	-	4
Rhode Island.....	2	120	-	-	-	-	-	-	-	-	-	1
Connecticut.....	7	597	-	2	-	-	-	2	-	-	-	4
MIDDLE ATLANTIC.....	32	4,125	3	13	-	2	-	59	-	14	7	232
New York City.....	8	646	3	6	-	-	-	20	-	-	-	-
New York, Up-State..	-	457	-	3	-	1	-	19	-	6	7	216
New Jersey.....	10	879	-	3	-	-	-	10	-	4	-	-
Pennsylvania.....	14	2,143	-	1	-	1	-	10	-	4	-	16
EAST NORTH CENTRAL....	62	10,823	-	21	-	20	1	40	-	10	1	210
Ohio.....	9	2,093	-	2	-	2	-	14	-	9	-	51
Indiana.....	1	1,963	-	8	-	14	-	3	-	-	-	23
Illinois.....	5	1,745	-	4	-	2	1	9	-	1	-	59
Michigan.....	29	2,830	-	7	-	-	-	12	-	-	1	25
Wisconsin.....	18	2,192	-	-	-	2	-	2	-	-	-	52
WEST NORTH CENTRAL....	29	3,394	-	4	-	30	-	9	-	4	13	539
Minnesota.....	1	123	-	1	-	1	-	1	-	-	2	106
Iowa.....	21	2,051	-	1	-	-	-	1	-	1	4	110
Missouri.....	2	442	-	1	-	26	-	3	-	3	3	100
North Dakota.....	-	154	-	-	-	1	-	2	-	-	2	41
South Dakota.....	-	1	-	1	-	1	-	-	-	-	-	85
Nebraska.....	4	573	-	-	-	-	-	2	-	-	-	6
Kansas.....	1	50	-	-	-	1	-	-	-	-	2	91
SOUTH ATLANTIC.....	20	6,534	1	28	-	14	-	42	1	221	10	525
Delaware.....	-	46	-	-	-	-	-	-	-	5	-	3
Maryland.....	2	326	-	-	-	-	-	11	-	22	-	-
Dist. of Columbia...	-	22	-	1	-	-	-	1	-	-	-	-
Virginia.....	-	733	1	2	-	6	-	8	-	59	-	205
West Virginia.....	8	1,384	-	-	-	-	-	-	-	5	2	133
North Carolina.....	2	45	-	3	-	4	-	3	1	87	-	3
South Carolina.....	2	655	-	1	-	-	-	1	-	35	-	-
Georgia.....	-	-	-	6	-	3	-	8	-	8	4	101
Florida.....	6	3,323	-	15	-	1	-	10	-	-	4	80
EAST SOUTH CENTRAL....	50	2,865	-	14	-	10	1	38	-	38	2	205
Kentucky.....	1	959	-	1	-	2	-	10	-	3	1	111
Tennessee.....	23	1,457	-	5	-	8	1	18	-	22	1	56
Alabama.....	23	353	-	6	-	-	-	8	-	10	-	35
Mississippi.....	3	96	-	2	-	-	-	2	-	3	-	3
WEST SOUTH CENTRAL....	31	9,031	1	16	-	35	1	33	-	36	4	421
Arkansas.....	-	35	1	4	-	18	1	9	-	6	-	70
Louisiana.....	-	154	-	4	-	5	-	10	-	1	1	65
Oklahoma.....	1	821	-	-	-	6	-	1	-	23	-	85
Texas.....	30	8,021	-	8	-	6	-	13	-	6	3	201
MOUNTAIN.....	9	2,067	-	-	-	14	-	16	-	6	1	83
Montana.....	1	325	-	-	-	3	-	1	-	1	-	1
Idaho.....	-	199	-	-	-	-	-	-	-	2	-	3
Wyoming.....	-	134	-	-	-	-	-	2	-	1	-	34
Colorado.....	-	414	-	-	-	-	-	4	-	2	-	16
New Mexico.....	4	227	-	-	-	-	-	6	-	-	1	14
Arizona.....	1	602	-	-	-	-	-	2	-	-	-	2
Utah.....	3	166	-	-	-	11	-	1	-	-	-	13
Nevada.....	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	114	10,745	1	15	-	8	6	57	-	1	3	309
Washington.....	30	4,808	-	2	-	2	-	4	-	-	-	9
Oregon.....	14	931	-	3	-	2	-	1	-	-	-	4
California.....	69	4,685	1	10	-	4	6	49	-	1	1	285
Alaska.....	-	106	-	-	-	-	-	2	-	-	2	11
Hawaii.....	1	215	-	-	-	-	-	1	-	-	-	-
Puerto Rico.....	-	27	1	13	-	-	-	5	-	-	-	42
Virgin Islands.....	-	1	-	-	-	-	-	1	-	-	-	-

\*Delayed reports: Rubella: Me. 1  
Typhoid fever: P.R. 2  
Rabies in animals: Ariz. 1

# Morbidity and Mortality Weekly Report

443

Week No. 45 **TABLE IV. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED NOVEMBER 14, 1970**

(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>	770	460	54	35	<b>SOUTH ATLANTIC:</b>	1,196	602	51	58
Boston, Mass.-----	232	121	25	14	Atlanta, Ga.-----	132	52	1	10
Bridgeport, Conn.-----	40	24	3	1	Baltimore, Md.-----	215	104	5	10
Cambridge, Mass.-----	33	24	5	2	Charlotte, N. C.-----	67	31	—	2
Fall River, Mass.-----	32	19	—	1	Jacksonville, Fla.-----	141	75	4	5
Hartford, Conn.-----	56	27	—	6	Miami, Fla.-----	107	54	4	5
Lowell, Mass.-----	22	13	3	—	Norfolk, Va.-----	71	35	9	1
Lynn, Mass.-----	20	12	—	—	Richmond, Va.-----	70	34	3	5
New Bedford, Mass.-----	29	23	1	2	Savannah, Ga.-----	24	11	1	—
New Haven, Conn.-----	70	48	—	2	St. Petersburg, Fla.-----	91	67	5	5
Providence, R. I.-----	66	39	1	1	Tampa, Fla.-----	63	36	10	6
Somerville, Mass.-----	21	16	2	1	Washington, D. C.-----	165	74	6	5
Springfield, Mass.-----	48	38	6	1	Wilmington, Del.-----	50	29	3	4
Waterbury, Conn.-----	24	13	—	1					
Worcester, Mass.-----	77	43	8	3	<b>EAST SOUTH CENTRAL:</b>	623	349	22	41
<b>MIDDLE ATLANTIC:</b>	3,219	1,869	134	129	Birmingham, Ala.-----	129	82	2	6
Albany, N. Y.-----	51	33	1	—	Chattanooga, Tenn.-----	49	28	—	6
Allentown, Pa.-----	44	21	2	4	Knoxville, Tenn.-----	32	27	—	—
Buffalo, N. Y.-----	155	81	4	8	Louisville, Ky.-----	111	57	7	6
Camden, N. J.-----	37	20	4	—	Memphis, Tenn.-----	146	76	5	13
Elizabeth, N. J.-----	33	14	2	2	Mobile, Ala.-----	29	19	2	—
Erie, Pa.-----	37	21	3	1	Montgomery, Ala.-----	21	11	2	1
Jersey City, N. J.-----	67	38	7	3	Nashville, Tenn.-----	106	49	4	9
Newark, N. J.-----	71	40	4	3	<b>WEST SOUTH CENTRAL:</b>	1,147	578	27	92
New York City, N. Y.†	1,705	987	54	61	Austin, Tex.-----	36	22	4	3
Paterson, N. J.-----	48	27	5	4	Baton Rouge, La.-----	31	11	2	4
Philadelphia, Pa.-----	392	224	2	20	Corpus Christi, Tex.-----	35	15	—	6
Pittsburgh, Pa.-----	172	95	11	10	Dallas, Tex.-----	137	62	2	8
Reading, Pa.-----	49	29	4	1	El Paso, Tex.-----	60	29	2	11
Rochester, N. Y.-----	113	75	11	3	Fort Worth, Tex.-----	91	52	1	6
Schenectady, N. Y.-----	17	14	3	—	Houston, Tex.-----	195	82	2	16
Scranton, Pa.-----	29	21	2	—	Little Rock, Ark.-----	64	27	2	7
Syracuse, N. Y.-----	83	52	5	6	New Orleans, La.-----	177	93	5	11
Trenton, N. J.-----	59	38	4	2	Oklahoma City, Okla.-----	70	38	1	8
Utica, N. Y.-----	28	20	3	—	San Antonio, Tex.-----	116	64	2	5
Yonkers, N. Y.-----	29	19	3	1	Shreveport, La.-----	61	42	—	3
					Tulsa, Okla.-----	74	41	4	4
<b>EAST NORTH CENTRAL:</b>	2,570	1,457	82	121	<b>MOUNTAIN:</b>	455	241	15	42
Akron, Ohio-----	85	46	1	8	Albuquerque, N. Mex.-----	47	27	3	2
Canton, Ohio-----	52	33	4	2	Colorado Springs, Colo.-----	26	13	3	5
Chicago, Ill.-----	716	386	21	40	Denver, Colo.-----	126	61	3	20
Cincinnati, Ohio-----	152	84	3	8	Ogden, Utah-----	19	9	1	1
Cleveland, Ohio-----	176	101	2	8	Phoenix, Ariz.-----	122	73	—	6
Columbus, Ohio-----	135	76	3	7	Pueblo, Colo.-----	17	9	1	—
Dayton, Ohio-----	88	48	2	6	Salt Lake City, Utah-----	50	25	3	3
Detroit, Mich.-----	347	190	9	11	Tucson, Ariz.-----	48	24	1	5
Evansville, Ind.-----	40	29	1	—	<b>PACIFIC:</b>	1,624	1,016	41	46
Flint, Mich.-----	43	18	2	1	Berkeley, Calif.-----	18	12	—	—
Fort Wayne, Ind.-----	45	28	3	—	Fresno, Calif.-----	42	27	—	1
Gary, Ind.-----	48	23	5	2	Glendale, Calif.-----	49	37	3	—
Grand Rapids, Mich.-----	45	23	5	1	Honolulu, Hawaii-----	47	18	2	7
Indianapolis, Ind.-----	142	81	4	8	Long Beach, Calif.-----	89	59	2	2
Madison, Wis.-----	43	20	6	4	Los Angeles, Calif.-----	513	325	7	9
Milwaukee, Wis.-----	135	96	1	6	Oakland, Calif.-----	87	40	2	6
Peoria, Ill.-----	44	24	—	3	Pasadena, Calif.-----	43	30	2	—
Rockford, Ill.-----	34	24	4	1	Portland, Oreg.-----	121	82	2	3
South Bend, Ind.-----	31	17	2	1	Sacramento, Calif.-----	66	44	—	1
Toledo, Ohio-----	102	63	3	4	San Diego, Calif.-----	109	61	1	5
Youngstown, Ohio-----	67	47	1	—	San Francisco, Calif.-----	175	106	7	2
					San Jose, Calif.-----	43	29	—	2
<b>WEST NORTH CENTRAL:</b>	761	462	25	43	Seattle, Wash.-----	121	79	9	6
Des Moines, Iowa-----	42	24	2	—	Spokane, Wash.-----	66	44	4	1
Duluth, Minn.-----	21	14	4	2	Tacoma, Wash.-----	35	23	—	1
Kansas City, Kans.-----	33	12	3	5					
Kansas City, Mo.-----	135	82	2	4	<b>Total</b>	<b>12,365</b>	<b>7,034</b>	<b>451</b>	<b>607</b>
Lincoln, Nebr.-----	23	13	—	—	<b>Expected Number</b>	<b>12,751</b>	<b>7,331</b>	<b>450</b>	<b>550</b>
Minneapolis, Minn.-----	109	74	1	6	<b>Cumulative Total</b>	<b>576,416</b>	<b>328,591</b>	<b>22,317</b>	<b>27,519</b>
Omaha, Nebr.-----	83	50	3	9	(includes reported corrections for previous weeks)				
St. Louis, Mo.-----	199	113	5	15					
St. Paul, Minn.-----	56	38	—	—					
Wichita, Kans.-----	60	42	5	2					
Las Vegas, Nev.*	16	6	2	2					

\*Mortality data are being collected from Las Vegas, Nev., for possible inclusion in this table, however, for statistical reasons, these data will be listed only and not included in the total, expected number, or cumulative total, until 5 years of data are collected.

†Delayed Report for week ended November 7, 1970

**NON-POLIO ENTEROVIRUS** - (Continued from page 438)

were made. Reports of isolation of a specific virus have varied greatly from year to year, especially among the Coxsackie group, although echovirus types 9 and 30 were the most frequently isolated organisms in 1968 and in 1969 (Table 2). Both were reported from widely separated areas of the United States.

Data on age and sex were supplied for 273 of the 813 reported cases (Table 3). There were no significant age differences with respect to the various virus types, though more cases occurred in males than in females in all age groups except 20-39. In addition, information on clinical syndrome was provided for 381 cases. Aseptic meningitis was reported for 185, encephalitis for 81, meningoencephalitis for 24, paralytic illness for 9, and other syndromes for 82. Most virus types were associated with aseptic meningitis more frequently than with encephalitis (Table 4). (Reported by the Neurotropic Viral Diseases Unit, Epidemiology Program, CDC.)

---

**INTERNATIONAL NOTES  
QUARANTINE MEASURES**

*Changes in the "Supplement - United States Designated Yellow Fever Vaccination Centers," MMWR, Vol. 18, No. 53*

The following additions should be made in the list of United States Designated Yellow Fever Vaccination Centers:

**ARIZONA**

**Bisbee** Cochise County Health Dept.  
Change address to Drawer BS

**CONNECTICUT**

**New Haven** Health Dept.  
Change clinic hours to  
10-10:30

**FLORIDA**

**St. Petersburg** Pinellas County Health Dept.  
500 - 7th Ave., South, 33701  
813, 894-1184  
Clinic hours: Fri. afternoon  
Fee: Yes

**West Palm Beach** Palm Beach County  
Health Dept.  
826 Evernice St. 33402  
Clinic hours: Fri., 1-4:30 P.M.  
Fee: No

**HAWAII**

**Hilo** Change name to University of  
Hawaii, Center for Cross-  
Cultural Training and Research

**ILLINOIS**

**Chicago** U.S. Public Health Service Clinic  
Change clinic hours to 8:30-  
9:30 A.M.

THE MORBIDITY AND MORTALITY WEEKLY REPORT, WITH A CIRCULATION OF 21,000 IS PUBLISHED AT THE CENTER FOR DISEASE CONTROL, ATLANTA, GEORGIA.

DIRECTOR, CENTER FOR DISEASE CONTROL      DAVID J. SENCER, M.D.  
DIRECTOR, EPIDEMIOLOGY PROGRAM      PHILIP S. BRACHMAN, M.D.

EDITOR

MICHAEL B. GREGG, M.D.

IN ADDITION TO THE ESTABLISHED PROCEDURES FOR REPORTING MORBIDITY AND MORTALITY, THE CENTER FOR DISEASE CONTROL WELCOMES ACCOUNTS OF INTERESTING OUTBREAKS OR CASE INVESTIGATIONS WHICH ARE OF CURRENT INTEREST TO HEALTH OFFICIALS AND WHICH ARE DIRECTLY RELATED TO THE CENTER FOR DISEASE CONTROL. SUCH COMMUNICATIONS SHOULD BE ADDRESSED TO:

CENTER FOR DISEASE CONTROL  
ATTN: THE EDITOR  
MORBIDITY AND MORTALITY WEEKLY REPORT  
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 AT CLOSE OF BUSINESS ON FRIDAY; COMPILED DATA ON A NATIONAL BASIS ARE OFFICIALLY RELEASED TO THE PUBLIC ON THE SUCCEEDING FRIDAY.

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE  
PUBLIC HEALTH SERVICE  
HEALTH SERVICES AND MENTAL HEALTH ADMINISTRATION  
CENTER FOR DISEASE CONTROL  
ATLANTA, GEORGIA 30333  
OFFICIAL BUSINESS

2/69 46-1-10,18,19,22  
LIBRARY  
COMMUNICABLE DISEASE CENTER

POSTAGE AND FEES PAID  
U.S. DEPARTMENT OF H.E.W.

