



Morbidity and Mortality

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EPIDEMIOLOGIC NOTES AND REPORTS

RUBELLA - Casper, Wyoming

Between Jan. 8 and Feb. 18, 1971, an outbreak of rubella involving 440 persons occurred in Casper (Natrona County), Wyoming, a town of 49,000 in the east-central part of the State. A total of 88 percent of the cases were in children from 11 to 17 years of age; males were affected more than females. Four cases occurred in adult women; none of the female patients were pregnant.

The illness was characterized by a lack of prodrome, a rash which lasted 3-4 days (range 12 hours to 8 days), pruritis, lymphadenopathy (posterior auricular and suboccipital), and conjunctivitis. Low-grade fever (< 101° F.), dry cough, and myalgia were also common. Arthritis and/or arthralgia were present in 35 percent of the patients and showed no sex predilection. These latter symptoms began 1-2 days after the rash disappeared and lasted up to 1 week. The average incubation period was 15 days.

CONTENTS

Epidemiologic Notes and Reports	
Rubella - Casper, Wyoming	83
Acute Chagas' Disease - Georgia	84
Tularemia - Alabama	85
Summary of Reported Cases of Infectious Syphilis	85
International Notes	
Quarantine Measures	90

A few isolated cases occurred in early January, with the first major peak occurring in late January (Figure 1). Several peaks occurred later, but without any definite pattern, and a number of cases are still being reported.

There were fourfold rises in hemagglutination-inhibition titers for rubella in six paired sera, and two showed high titers in acute and convalescent sera.

(Continued on page 84)

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

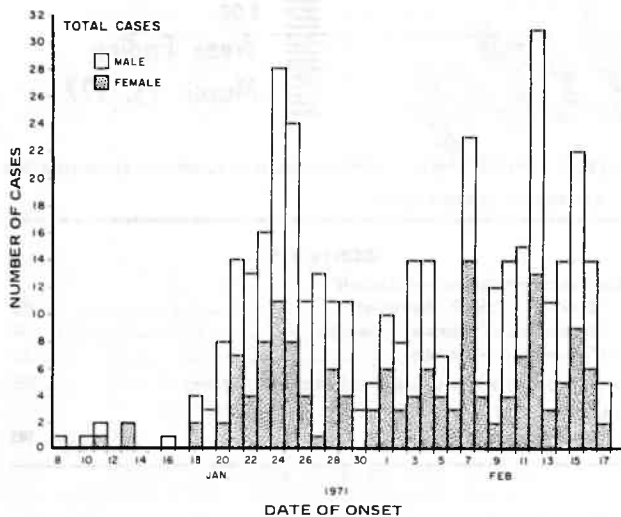
DISEASE	10th WEEK ENDED		MEDIAN 1966 - 1970	CUMULATIVE, FIRST 10 WEEKS		
	March 13, 1971	March 14, 1970		1971	1970	MEDIAN 1966 - 1970
Aseptic meningitis	44	27	27	544	284	282
Brucellosis	4	2	2	16	23	23
Diphtheria	5	5	2	41	83	28
Encephalitis, primary:						
Arthropod-borne & unspecified	24	11	18	220	190	200
Encephalitis, post-infectious	2	5	12	56	69	85
Hepatitis, serum	145	133	85	1,612	1,220	664
Hepatitis, infectious	1,173	1,049	951	12,286	10,883	8,176
Malaria	135	59	54	770	662	442
Measles (rubeola)	3,487	1,361	1,361	17,851	10,372	10,372
Meningococcal infections, total	103	57	77	647	678	800
Civilian	84	57	72	556	633	736
Military	19	-	7	91	45	51
Mumps	4,140	2,843	- - -	33,929	25,456	- - -
Poliomyelitis, total	-	-	-	3	1	2
Paralytic	-	-	-	2	1	1
Rubella (German measles)	1,814	1,912	1,655	10,390	13,057	9,055
Tetanus	-	3	3	10	14	20
Tularemia	-	-	1	19	11	22
Typhoid fever	1	2	8	49	43	43
Typhus, tick-borne (Rky. Mt. spotted fever)	-	-	-	3	-	3
Rabies in animals	84	60	84	738	615	730

TABLE II. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	-	Psittacosis:	6
Botulism:	-	Rabies in Man:	-
Leprosy: Calif.-2	28	Rubella congenital syndrome: Calif.-1, N.H.-1	7
Leptospirosis: Calif.-1, R.I.-1	8	Trichinosis: Pa.-1, Va.-1	20
Plague:	-	Typhus, murine: NY Ups.-1	1

RUBELLA - (Continued from front page)

Figure 1
RUBELLA CASES, BY DATE OF ONSET AND BY SEX
CASPER, WYOMING - JAN. 8-FEB. 18, 1971



In May 1970, the local health department had administered 5,900 doses of rubella vaccine to 83 percent of the children in the first through sixth grades. It had also administered 2,600 doses to 52 percent of the preschool children. Twenty-seven patients in this epidemic had received the vaccine in 1970, for a vaccine efficacy rate of 94 percent.

The outbreak was mainly confined to five neighborhood schools: two senior high schools (N.C.H.S. and K.W.H.S.) and three junior high schools (CY Jr. H.S., East Jr. H.S., and Morgan Jr. H.S.), with scattered cases occurring in the elementary schools. The attack rates for East Jr. H.S. and K.W.H.S., located in the eastern part of the city, were approximately the same, as were those for Morgan Jr. H.S. and N.C.H.S., located

Table 1
Attack Rates* of Schools
Casper, Wyoming - Jan. 8-Feb. 18, 1971

School	Number of Students	Number of Cases	Attack Rate*
CY Jr. H.S.	932	151	16.2
East Jr. H.S.	953	74	7.7
Morgan Jr. H.S.	1,502	18	1.2
N.C.H.S.	1,937	37	1.9
K.W.H.S.	1,154	75	6.5

*Per 100 students

in the central city area (Table 1). CY Jr. H.S., which had the highest attack rate, is in the southwestern corner of the city. The attack rate of Morgan Jr. H.S. was low in comparison to those of the other junior high schools, even though there was known common exposure among children from all schools. Furthermore, clinical and laboratory examination showed a lower susceptibility level at Morgan H.S. which cannot yet be adequately explained.

(Reported by Sara Suyematsu, R.N., M.A., Head Nurse, Natrona County School District Number One; Nix Anderson, Sanitation Officer, Walter B. Watson, M.D., Director, Natrona County Health Department; Herman S. Parish, M.D., Director of Preventive Medicine, John F. Hedderick, Communicable Disease Advisor, Division of Health and Medical Services, Wyoming State Department of Public Health; and an EIS Officer.)

Editorial Note:

This epidemic is significant because it occurred in a community that had conducted a rubella vaccination campaign for its 1-12 year-old children the year before. This campaign, however, did not prevent the spread of disease among older unvaccinated children.

ACUTE CHAGAS' DISEASE - Georgia

On Jan. 19, 1971, a 35-year-old veterinary parasitologist from Athens, Georgia, accidentally inoculated the fourth finger of his left hand with *Trypanosoma cruzi* while working in the laboratory. On February 6, he experienced a swollen finger, shaking chills, fever, and malaise. On admission to an Atlanta hospital 2 days later, the patient had a temperature of 102.4° F., a chagoma of the distal pharynx of the inoculated finger, and left epitrochlear and axillary lymphadenopathy. Scattered, raised skin lesions of varying sizes were also present.

Laboratory examination of the patient's blood showed a hemoglobin of 17.7 gm percent, a white blood cell count of 6,652/mm³, with normal differential count, platelets, and blood chemistries. His electrocardiogram and chest X-ray were also normal. Although multiple blood smears were negative for *T. cruzi*, blood specimens were cultured in tissue and inoculated into laboratory mice and yielded this organism. His serum gave an end point dilution titer against *T. cruzi* of 1:256 when tested by the indirect fluorescent antibody technique. The results of other serologic tests and xenodiagnosis are pending.

The patient was treated with Bayer 2502* which produced subjective improvement, but he still had a low-grade fever when discharged on February 16. He was readmitted on February 23, however, with a 2-day history of pleuritic chest pain, cough, and hemoptysis. A chest X-ray and lung scan indicated pulmonary emboli, and anticoagulant therapy was instituted. The patient was discharged on March 4 and is feeling well. Therapy with Bayer 2502 will continue for 120 days.

(Reported by W. Edmund Farrar, M.D., Associate Professor of Medicine, Stephen Schwarzmann, M.D., Assistant Professor of Medicine, Emory University; John E. McCroan, Ph.D., Director, Epidemiology Branch, Georgia Department of Public Health; and the Parasitic Diseases Branch, Epidemiology Program, CDC.)

Editorial Note:

In the United States, this is the second reported case of laboratory-acquired Chagas' disease which was treated with Bayer 2502.

*Available from the Parasitic Disease Drug Service, CDC.

SUMMARY OF REPORTED CASES OF INFECTIOUS SYPHILIS

CASES OF PRIMARY AND SECONDARY SYPHILIS: By Reporting Areas February 1970 and February 1971 - Provisional Data

Reporting Area	February		Cumulative Jan. - Feb.		Reporting Area	February		Cumulative Jan. - Feb.	
	1971	1970	1971	1970		1971	1970	1971	1970
NEW ENGLAND.....	61	41	100	82	EAST SOUTH CENTRAL.....	68	45	161	89
Maine.....	1	-	2	1	Kentucky.....	21	4	49	16
New Hampshire.....	-	-	-	-	Tennessee.....	21	17	47	31
Vermont.....	1	-	1	-	Alabama.....	7	14	18	23
Massachusetts.....	30	31	50	57	Mississippi.....	19	10	47	19
Rhode Island.....	7	4	7	10	WEST SOUTH CENTRAL.....	336	324	655	510
Connecticut.....	22	6	40	14	Arkansas.....	14	22	38	37
MIDDLE ATLANTIC.....	467	411	1,008	844	Louisiana.....	49	61	96	97
Upstate New York.....	37	32	81	65	Oklahoma.....	5	9	10	15
New York City.....	305	309	682	630	Texas.....	268	232	511	361
Pa. (Excl. Phila.).....	13	10	28	21	MOUNTAIN.....	50	54	94	96
Philadelphia.....	15	18	23	35	Montana.....	-	-	-	1
New Jersey.....	97	42	194	93	Idaho.....	-	-	-	1
EAST NORTH CENTRAL.....	208	206	422	445	Wyoming.....	1	-	1	-
Ohio.....	35	30	75	67	Colorado.....	3	4	6	7
Indiana.....	27	35	57	74	New Mexico.....	9	14	18	26
Downstate Illinois.....	10	7	20	21	Arizona.....	22	27	38	41
Chicago.....	75	63	132	147	Utah.....	4	-	5	1
Michigan.....	55	68	124	125	Nevada.....	11	9	26	19
Wisconsin.....	6	3	14	11	PACIFIC.....	212	155	448	347
WEST NORTH CENTRAL.....	39	52	84	95	Washington.....	9	4	20	8
Minnesota.....	6	10	12	17	Oregon.....	-	3	2	5
Iowa.....	-	-	-	1	California.....	198	147	421	332
Missouri.....	23	32	52	50	Alaska.....	3	-	3	-
North Dakota.....	-	-	-	1	Hawaii.....	2	1	2	2
South Dakota.....	-	-	1	5	U. S. TOTAL.....	1,859	1,699	3,900	3,314
Nebraska.....	5	2	7	5	TERRITORIES.....	57	113	118	201
Kansas.....	5	8	12	16	Puerto Rico.....	53	111	113	198
SOUTH ATLANTIC.....	418	411	928	806	Virgin Islands.....	4	2	5	3
Delaware.....	1	6	4	9	Note: Cumulative Totals include revised and delayed reports through previous months.				
Maryland.....	41	45	87	95					
District of Columbia.....	40	34	97	72					
Virginia.....	34	14	55	39					
West Virginia.....	3	2	5	5					
North Carolina.....	37	51	80	100					
South Carolina.....	21	27	46	61					
Georgia.....	107	138	260	214					
Florida.....	134	94	294	211					

EPIDEMIOLOGIC NOTES AND REPORTS

TULAREMIA - Alabama

Two cases of tularemia were reported in Alabama in 1970. Both cases were associated with contact with rabbit skin and viscera. The first case occurred in September in a 42-year-old man from Etowah County. He had cut his finger on a bone fragment while handling a dead rabbit, and within 3 days an ulcer developed at the site of the cut. He subsequently noted painful lymphadenopathy, myalgia, fatigue, and fever. The patient was hospitalized and treated with streptomycin for 5 days. Bacterial agglutination titers for tularemia of 1:1,280 and 1:2,560 were noted at 4 and 17 weeks, respectively, after he was exposed to the rabbit. He recovered without complications.

The second case occurred in a 44-year-old woman from Jefferson County in November. Three days after skinning rabbits, she noted local ulceration of her thumb and later experienced regional lymphadenopathy and fever. Two weeks after exposure to the rabbits, the patient was hospitalized and was found to have titers of 1:320 and 1:1,280 on speci-

mens taken on the first and ninth days after admission. She was treated with streptomycin for 10 days, and she recovered uneventfully.

(Reported by F. S. Wolf, M.D., Director, Bureau of Preventable Diseases, Alabama State Department of Public Health; the Special Pathogens Section, Bacterial Diseases Branch, Epidemiology Program, CDC; and an EIS Officer.)

Editorial Note:

There have been 18 cases of tularemia reported in Alabama since 1961, an average of 1.8 cases per year. Rabbit-associated cases in the winter are typical of tularemia east of the Mississippi, whereas tick-associated cases in the summer are typical of this disease west of the Mississippi (1).

Reference:

1. Brooks GF, Buchanan TM: Tularemia in the United States, epidemiologic aspects in the 1960's and follow-up of the outbreak of tularemia in Vermont. J Infect Dis 121:357-359, 1970.

Morbidity and Mortality Weekly Report

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED
March 13, 1971 and March 14, 1970 (10th WEEK)

AREA	ASEPTIC MENIN- GITIS	BRUCEL- LOSIS	DIPH- THERIA	ENCEPHALITIS			HEPATITIS			MALARIA	
				Primary including unsp. cases		Post In- fectious	Serum	Infectious		1971	Cum. 1971
				1971	1970			1971	1970		
UNITED STATES.....	44	4	5	24	11	2	145	1,173	1,049	135	770
NEW ENGLAND.....	2	-	-	1	2	-	11	128	88	3	24
Maine.....	-	-	-	-	-	-	-	17	8	-	1
New Hampshire.....	-	-	-	-	-	-	-	6	1	-	1
Vermont.....	-	-	-	-	-	-	-	9	6	-	1
Massachusetts.....	-	-	-	-	1	-	2	49	45	2	15
Rhode Island.....	2	-	-	-	-	-	-	22	18	1	4
Connecticut.....	-	-	-	1	1	-	9	25	10	-	2
MIDDLE ATLANTIC.....	14	-	-	4	1	-	45	191	199	12	80
New York City.....	8	-	-	3	-	-	10	30	61	1	5
New York, Up-State...	-	-	-	-	-	-	2	26	46	1	15
New Jersey.....	2	-	-	-	1	-	18	63	51	7	40
Pennsylvania.....	4	-	-	1	-	-	15	72	41	3	20
EAST NORTH CENTRAL.....	4	-	-	7	2	-	30	184	183	2	31
Ohio.....	3	-	-	2	1	-	3	45	47	-	7
Indiana.....	-	-	-	1	-	-	1	18	12	1	1
Illinois.....	-	-	-	2	1	-	10	61	33	1	7
Michigan.....	1	-	-	2	-	-	16	49	82	-	9
Wisconsin.....	-	-	-	-	-	-	-	11	9	-	7
WEST NORTH CENTRAL.....	-	1	-	2	-	1	2	51	70	4	62
Minnesota.....	-	-	-	-	-	1	-	3	11	-	5
Iowa*.....	-	1	-	-	-	-	1	7	6	-	7
Missouri.....	-	-	-	-	-	-	-	21	28	-	13
North Dakota.....	-	-	-	-	-	-	-	2	2	-	-
South Dakota.....	-	-	-	1	-	-	-	1	1	-	-
Nebraska.....	-	-	-	-	-	-	-	5	5	2	5
Kansas.....	-	-	-	1	-	-	1	12	17	2	32
SOUTH ATLANTIC.....	5	2	-	3	4	1	19	155	104	28	113
Delaware.....	-	-	-	-	-	-	2	7	6	-	-
Maryland.....	-	-	-	-	-	-	6	23	14	3	23
Dist. of Columbia...	-	-	-	-	-	-	1	-	1	-	-
Virginia.....	-	1	-	1	2	-	2	28	16	5	13
West Virginia.....	-	-	-	1	-	-	-	6	9	2	5
North Carolina.....	1	-	-	-	-	-	5	18	31	1	31
South Carolina.....	-	-	-	1	1	-	-	4	7	3	7
Georgia.....	-	1	-	-	-	-	-	28	5	13	19
Florida.....	4	-	-	-	1	1	3	41	15	1	15
EAST SOUTH CENTRAL.....	6	-	-	3	-	-	8	62	50	1	91
Kentucky.....	3	-	-	1	-	-	-	21	25	1	79
Tennessee.....	3	-	-	2	-	-	8	23	15	-	-
Alabama.....	-	-	-	-	-	-	-	10	5	-	12
Mississippi.....	-	-	-	-	-	-	-	8	5	-	-
WEST SOUTH CENTRAL.....	3	-	-	2	-	-	4	93	78	43	163
Arkansas.....	-	-	-	-	-	-	-	-	2	-	4
Louisiana.....	-	-	-	-	-	-	3	15	8	-	12
Oklahoma.....	-	-	-	1	-	-	-	15	3	-	29
Texas.....	3	-	-	1	-	-	1	63	65	43	118
MOUNTAIN.....	-	-	5	-	-	-	3	73	53	2	47
Montana.....	-	-	-	-	-	-	-	1	2	-	1
Idaho.....	-	-	-	-	-	-	-	7	2	-	-
Wyoming.....	-	-	-	-	-	-	1	-	-	-	1
Colorado.....	-	-	-	-	-	-	1	31	16	-	31
New Mexico.....	-	-	2	-	-	-	-	11	8	1	5
Arizona.....	-	-	3	-	-	-	1	17	13	1	7
Utah.....	-	-	-	-	-	-	-	6	10	-	2
Nevada.....	-	-	-	-	-	-	-	-	2	-	-
PACIFIC.....	10	1	-	2	2	-	23	236	224	40	159
Washington.....	-	-	-	-	-	-	-	15	27	-	1
Oregon.....	-	-	-	-	-	-	-	22	14	-	6
California.....	7	1	-	2	2	-	23	186	181	37	130
Alaska.....	-	-	-	-	-	-	-	-	-	-	1
Hawaii.....	3	-	-	-	-	-	-	13	2	3	21
Puerto Rico*.....	-	-	-	-	-	-	-	23	24	-	2
Virgin Islands.....	-	-	-	-	-	-	-	-	-	-	-

*Delayed reports: Hepatitis, serum: Iowa 1
Hepatitis, infectious: P.R. 5 (1971) 1 (1970)
Malaria: Iowa 1

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

March 13, 1971 and March 14, 1970 (10th WEEK) - Continued

AREA	MEASLES (Rubeola)			MENINGOCOCCAL INFECTIONS, TOTAL			MUMPS		POLIOMYELITIS		
	1971	Cumulative		1971	Cumulative		1971	Cum. 1971	Total		Cum. 1971
		1971	1970		1971	1970			1971	1971	
UNITED STATES.....	3,487	17,851	10,372	103	647	678	4,140	33,929	-	-	2
NEW ENGLAND.....	88	559	143	1	30	30	273	2,264	-	-	-
Maine.....*	40	296	1	-	5	-	38	404	-	-	-
New Hampshire.....*	4	20	13	-	1	3	54	254	-	-	-
Vermont.....	1	4	-	-	-	3	-	-	-	-	-
Massachusetts.....	21	162	87	1	13	11	76	573	-	-	-
Rhode Island.....*	-	22	14	-	2	3	38	538	-	-	-
Connecticut.....	22	55	27	-	9	10	67	495	-	-	-
MIDDLE ATLANTIC.....	367	1,984	1,707	13	88	104	332	2,539	-	-	-
New York City.....	262	1,215	243	3	14	26	57	378	-	-	-
New York, Up-State...	10	181	65	4	26	22	NN	NN	-	-	-
New Jersey.....*	15	106	731	3	25	30	42	727	-	-	-
Pennsylvania.....	80	482	668	3	23	26	233	1,434	-	-	-
EAST NORTH CENTRAL.....	708	3,389	2,427	20	76	87	1,664	13,415	-	-	-
Ohio.....	273	1,379	725	-	21	43	225	2,400	-	-	-
Indiana.....	80	228	105	-	4	8	161	1,786	-	-	-
Illinois.....	162	933	1,212	16	30	16	238	1,298	-	-	-
Michigan.....	37	212	211	4	18	17	454	3,431	-	-	-
Wisconsin.....	156	637	174	-	3	3	586	4,500	-	-	-
WEST NORTH CENTRAL.....	554	1,393	1,166	9	63	30	127	1,881	-	-	-
Minnesota.....	1	31	4	-	8	4	12	330	-	-	-
Iowa.....	66	338	30	3	5	3	83	1,097	-	-	-
Missouri.....	80	448	193	4	25	22	12	104	-	-	-
North Dakota.....	26	82	47	-	1	-	6	135	-	-	-
South Dakota.....	2	71	41	-	3	-	13	104	-	-	-
Nebraska.....	-	8	812	2	7	1	-	20	-	-	-
Kansas.....	379	415	39	-	14	-	1	91	-	-	-
SOUTH ATLANTIC.....	351	1,984	1,440	17	87	160	308	2,524	-	-	-
Delaware.....	1	9	112	-	-	2	6	52	-	-	-
Maryland.....	-	22	220	1	10	12	27	271	-	-	-
Dist. of Columbia...	-	3	253	2	3	1	1	42	-	-	-
Virginia.....	68	659	266	3	10	13	53	346	-	-	-
West Virginia.....	20	112	68	-	2	2	64	707	-	-	-
North Carolina.....	153	636	167	2	13	31	NN	NN	-	-	-
South Carolina.....	28	232	83	3	9	7	73	317	-	-	-
Georgia.....	18	37	2	1	10	24	-	1	-	-	-
Florida.....	63	274	269	5	30	68	84	788	-	-	-
EAST SOUTH CENTRAL.....	246	2,718	135	6	43	39	421	2,866	-	-	-
Kentucky.....	102	1,139	85	-	8	12	172	1,041	-	-	-
Tennessee.....	19	226	25	4	19	19	190	1,374	-	-	-
Alabama.....	105	583	12	2	11	5	48	406	-	-	-
Mississippi.....	20	770	13	-	5	3	11	45	-	-	-
WEST SOUTH CENTRAL.....	907	4,394	2,376	9	54	117	345	2,346	-	-	1
Arkansas.....	14	46	16	1	2	12	-	16	-	-	-
Louisiana.....	172	564	15	3	19	27	1	14	-	-	-
Oklahoma.....*	33	434	68	-	5	8	5	62	-	-	-
Texas.....	688	3,350	2,277	5	28	70	339	2,254	-	-	1
MOUNTAIN.....	165	654	445	5	21	8	176	1,397	-	-	-
Montana.....	32	152	10	-	-	-	19	191	-	-	-
Idaho.....	16	81	5	2	2	-	2	91	-	-	-
Wyoming.....	3	10	-	-	-	1	22	69	-	-	-
Colorado.....	36	139	9	-	4	3	30	335	-	-	-
New Mexico.....	20	130	64	2	2	-	42	199	-	-	-
Arizona.....	58	118	349	1	7	2	58	453	-	-	-
Utah.....	-	24	4	-	5	2	3	59	-	-	-
Nevada.....	-	-	4	-	1	-	-	-	-	-	-
PACIFIC.....	101	776	533	23	185	103	494	4,697	-	-	1
Washington.....	19	195	35	1	7	15	244	2,378	-	-	-
Oregon.....	2	68	83	-	12	8	31	459	-	-	1
California.....	79	492	389	22	164	79	209	1,599	-	-	-
Alaska.....	-	7	1	-	-	-	-	29	-	-	-
Hawaii.....	1	14	25	-	2	1	10	232	-	-	-
Puerto Rico.....*	6	47	490	-	-	2	53	220	-	-	-
Virgin Islands.....	-	2	3	-	-	1	-	-	-	-	-

*Delayed reports: Measles: R.I. 14

Meningococcal infections: N.J. 9, P.R. 1 (1970)

Mumps: Me. 1, N.H. 1, Okla. 1 (1970)

Morbidity and Mortality Weekly Report

89

Week No. **TABLE IV. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED March 13, 1971**

10

(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		
NEW ENGLAND:	759	479	56	26	SOUTH ATLANTIC:	1,308	689	54	63
Boston, Mass.-----	233	129	19	11	Atlanta, Ga.-----	138	69	4	10
Bridgeport, Conn.-----	55	36	3	2	Baltimore, Md.-----	301	156	9	15
Cambridge, Mass.-----	29	16	6	-	Charlotte, N. C.-----	68	35	-	2
Fall River, Mass.-----	34	25	-	-	Jacksonville, Fla.-----	100	47	3	8
Hartford, Conn.-----	66	47	7	1	Miami, Fla.-----	125	54	3	6
Lowell, Mass.-----	19	14	4	-	Norfolk, Va.-----	57	25	1	4
Lynn, Mass.-----	19	15	-	-	Richmond, Va.-----	114	67	9	5
New Bedford, Mass.-----	37	27	1	1	Savannah, Ga.-----	43	21	8	1
New Haven, Conn.-----	61	36	1	2	St. Petersburg, Fla.-----	95	80	3	1
Providence, R. I.-----	59	37	8	-	Tampa, Fla.-----	80	45	8	3
Somerville, Mass.-----	14	10	1	1	Washington, D. C.-----	122	55	5	7
Springfield, Mass.-----	52	33	3	6	Wilmington, Del.-----	65	35	1	1
Waterbury, Conn.-----	32	20	-	-					
Worcester, Mass.-----	49	34	3	2	EAST SOUTH CENTRAL:	700	376	30	32
MIDDLE ATLANTIC:	3,931	2,330	188	157	Birmingham, Ala.-----	109	58	3	8
Albany, N. Y.-----	60	33	1	3	Chattanooga, Tenn.-----	67	37	1	5
Allentown, Pa.-----	32	22	2	1	Knoxville, Tenn.-----	28	19	-	-
Buffalo, N. Y.-----	178	104	8	9	Louisville, Ky.-----	136	70	12	5
Camden, N. J.-----	46	24	1	4	Memphis, Tenn.-----	151	68	5	7
Elizabeth, N. J.-----	35	19	-	1	Mobile, Ala.-----	57	34	-	3
Erie, Pa.-----	45	30	4	-	Montgomery, Ala.-----	44	24	6	1
Jersey City, N. J.-----	83	45	7	4	Nashville, Tenn.-----	108	66	3	3
Newark, N. J.-----	115	58	2	17	WEST SOUTH CENTRAL:	1,274	671	52	101
New York City, N. Y.†	1,874	1,110	106	74	Austin, Tex.-----	29	14	2	1
Paterson, N. J.-----	40	24	4	1	Baton Rouge, La.-----	29	13	2	2
Philadelphia, Pa.-----	698	381	10	23	Corpus Christi, Tex.-----	33	14	-	-
Pittsburgh, Pa.-----	178	90	9	10	Dallas, Tex.-----	168	84	2	8
Reading, Pa.-----	65	47	3	1	El Paso, Tex.-----	65	41	7	9
Rochester, N. Y.-----	159	114	13	5	Fort Worth, Tex.-----	82	45	3	2
Schenectady, N. Y.-----	36	24	7	1	Houston, Tex.-----	279	115	13	47
Scranton, Pa.-----	48	33	3	1	Little Rock, Ark.-----	56	34	4	5
Syracuse, N. Y.-----	118	80	1	1	New Orleans, La.-----	166	87	2	11
Trenton, N. J.-----	55	37	3	1	Oklahoma City, Okla.-----	95	62	-	2
Utica, N. Y.-----	36	31	2	-	San Antonio, Tex.-----	146	78	4	8
Yonkers, N. Y.-----	30	24	2	-	Shreveport, La.-----	56	38	7	1
					Tulsa, Okla.-----	70	46	6	5
EAST NORTH CENTRAL:	2,801	1,647	116	111	MOUNTAIN:	552	328	19	20
Akron, Ohio-----	57	35	-	3	Albuquerque, N. Mex.-----	55	28	5	5
Canton, Ohio-----	31	21	1	-	Colorado Springs, Colo.-----	25	16	1	-
Chicago, Ill.-----	739	415	30	32	Denver, Colo.-----	126	70	5	3
Cincinnati, Ohio-----	181	111	8	5	Ogden, Utah-----	24	15	2	-
Cleveland, Ohio-----	207	109	10	10	Phoenix, Ariz.-----	147	92	1	3
Columbus, Ohio-----	188	106	10	8	Pueblo, Colo.-----	25	19	1	1
Dayton, Ohio-----	99	59	5	5	Salt Lake City, Utah-----	59	32	1	4
Detroit, Mich.-----	399	235	13	15	Tucson, Ariz.-----	91	56	3	4
Evansville, Ind.-----	59	42	2	1					
Flint, Mich.-----	55	29	2	2	PACIFIC:	1,899	1,190	53	48
Fort Wayne, Ind.-----	41	25	3	3	Berkeley, Calif.-----	25	20	1	-
Gary, Ind.-----	38	22	3	2	Fresno, Calif.-----	53	34	3	1
Grand Rapids, Mich.-----	66	48	5	2	Glendale, Calif.-----	55	44	2	-
Indianapolis, Ind.-----	187	108	3	10	Honolulu, Hawaii-----	62	28	1	5
Madison, Wis.-----	44	26	9	1	Long Beach, Calif.-----	104	67	1	-
Milwaukee, Wis.-----	134	82	1	2	Los Angeles, Calif.-----	636	403	18	15
Peoria, Ill.-----	33	21	-	2	Oakland, Calif.-----	93	52	1	4
Rockford, Ill.-----	41	22	3	2	Pasadena, Calif.-----	30	19	2	1
South Bend, Ind.-----	36	25	3	1	Portland, Oreg.-----	124	76	3	2
Toledo, Ohio-----	112	76	4	5	Sacramento, Calif.-----	76	43	1	1
Youngstown, Ohio-----	54	30	1	-	San Diego, Calif.-----	114	81	1	4
					San Francisco, Calif.-----	213	116	9	4
WEST NORTH CENTRAL:	810	499	29	46	San Jose, Calif.-----	48	25	6	3
Des Moines, Iowa-----	58	37	4	3	Seattle, Wash.-----	149	97	2	6
Duluth, Minn.-----	28	20	3	-	Spokane, Wash.-----	78	54	1	2
Kansas City, Kans.-----	32	18	-	2	Tacoma, Wash.-----	39	31	1	-
Kansas City, Mo.-----	112	60	2	8					
Lincoln, Nebr.-----	23	18	-	-	Total	14,034	8,209	597	604
Minneapolis, Minn.-----	100	64	6	7	Expected Number	13,431	7,870	552	539
Omaha, Nebr.-----	88	50	-	8	Cumulative Total				
St. Louis, Mo.-----	230	142	9	7	(includes reported corrections for previous weeks)	140,729	82,505	5,972	6,376
St. Paul, Minn.-----	75	50	2	7					
Wichita, Kans.-----	64	40	3	4					
Las Vegas, Nev.*	28	15	-	3					

*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.

INTERNATIONAL NOTES
QUARANTINE MEASURES

*Changes in the "Supplement - Vaccination Certificate
Requirements for International Travel,"
MMWR, Vol. 19, No. 21*

The following changes should be made in the Vaccination Certificate Requirements for International Travel:

Australia

Delete the note concerning cholera and insert: Cholera - And from Burma, Dahomey, Ghana, India, Indonesia, Ivory Coast, Liberia, Mali, Nepal, Niger, Nigeria, Pakistan, Philippines, Sierra Leone, Somali, Togo, Trucial Skeikhdoms, Vietnam.

Belgium

In the note concerning smallpox, insert: Algeria, Libya, Morocco, Tunisia, the Caribbean Islands, Guyana, Mexico, Israel, Japan, Australia, New Zealand.

Burundi

Delete the note concerning cholera.

Cyprus

In the note concerning cholera delete: Israel, Jordan, Lebanon, Libya, Syria, Turkey, USSR.

Czechoslovakia

In the note concerning cholera, insert: and from the French Territory of the Afars and the Issas.

Finland

Delete the note concerning cholera.

France (incl. overseas departments)

Delete the note concerning smallpox and insert: Smallpox - And from countries in Africa (except Algeria, Azores and Madeira, Canary Islands, Libya, Morocco, Tunisia), in the Americas (except Bermuda, Canada, the Caribbean Islands, Greenland, Guyana, Mexico, Netherlands Antilles, St. Pierre and Miquelon, Surinam, United States of America), in Asia (except Israel, Japan, Turkey) and in Oceania (except Australia, New Zealand). No certificate required from sea travelers who have left an infected area or a non-exempted country more than 14 days before arrival.

Haiti

Insert: Smallpox - Except United States of America.

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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.

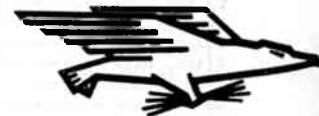
In addition to the established procedures for reporting morbidity and mortality, the editor welcomes accounts of interesting outbreaks for case investigations of current interest to health officials.

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