

Morbidity and Mortality



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REPORT

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U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE / PUBLIC HEALTH SERVICE / HEALTH SERVICES AND MENTAL HEALTH ADMINISTRATION

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EPIDEMIOLOGIC NOTES AND REPORTS

LEPROSY - Chicago, Illinois

On Sept. 6, 1970, a 42-year-old white male, who had entered the United States from Cuba in June 1970, was seen in a Chicago hospital for treatment of a persistent, maculopapular rash and recent swelling of the ankles. The rash had been present for 3 months and was distributed over portions of his face, arms, and legs. Earlier treatment of the rash in Miami with antihistamines and steroids had been briefly successful. The patient's illness was clinically diagnosed as leprosy, and on September 30 he was transferred to another hospital.

There, examination showed slightly indurated, erythematous plaques on the thighs, calves, arms, neck, and face, thinning of the lateral eyebrows, and a nasal septal ulcer. Gynecomastia, hepatomegaly, and pitting edema of the ankles were also noted. The great auricular, ulnar, and

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perineal nerves were considered enlarged and nodular. Sensory loss over the lesions was minimal.

A biopsy of skin lesions on the thigh showed a histiocytic infiltration of the dermis with involvement of the small nerve branches. There were many intracellular, acid-fast bacilli in both histiocytes and nerve cells. The biopsy findings confirmed the clinical diagnosis of lepromatous leprosy.

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

DISEASE	52nd WEEK ENDED		MEDIAN 1965 - 1969	CUMULATIVE, FIRST 52 WEEKS		
	January 2, 1971	December 27, 1969		1970	1969	MEDIAN 1965 - 1969
Aseptic meningitis	53	27	29	6,147	3,485	2,998
Brucellosis	4	5	8	209	23	252
Diphtheria	3	7	10	439	214	214
Encephalitis, primary:						
Arthropod-borne & unspecified	19	15	23	1,567	1,310	1,585
Encephalitis, post-infectious	3	6	7	370	314	654
Hepatitis, serum	140	89	754	7,335	5,360	41,132
Hepatitis, infectious	944	665	52	56,614	48,099	2,141
Malaria	51	52	479	3,467	3,256	62,335
Measles (rubeola)	484	312	53	47,272	25,098	2,923
Meningococcal infections, total	55	37	47	2,483	2,665	2,665
Civilian	33	35	2	2,159	258	216
Military	22	2	3	324	88,380	59
Mumps	1,395	1,397	3	101,946	18	50
Poliomyelitis, total	-	-	3	30	17	50
Paralytic	-	-	3	28	55,176	203
Rubella (German measles)	154	437	5	137	166	175
Tetanus	3	-	4	163	342	396
Tularemia	1	1	7	358	451	279
Typhoid fever	2	7	2	339	2,987	4,005
Typhus, tick-borne (Rky. Mt. spotted fever)	-	-	60	3,300		
Rabies in animals	43	37				

TABLE II. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	2	Psittacosis: Calif.-1	36
Botulism:	12	Rabies in Man:	2
Leprosy: Calif.-3	126	Rubella congenital syndrome:	65
Leptospirosis: Calif.-1	46	Trichinosis:	111
Plague:	12	Typhus, murine:	34

LEPROSY - (Continued from front page)

On November 10, the patient was transferred to the USPHS hospital in Carville, Louisiana, for initiation of therapy. After 3-6 months of treatment with diaminodiphenylsulfone (DDS) in the hospital, the patient will be treated on an outpatient basis in Chicago.

(Reported by Rogelio Riera, M.D., Assistant Medical Director, Edgewater Hospital, Chicago; Charles Kallick, M.D., Medical Superintendent, Roger Pearson, M.D., Consulting Dermatologist, Contagious Disease Hospital of Chicago; Olga Brolnitsky, M.D., Epidemiologist, Chicago Board of Health; Murray Brown, M.D., Commission of Health,

Chicago; and Norman J. Rose, M.D., Chief, Division of Disease Control, Illinois Department of Public Health.)

Editorial Note:

This is the third case of leprosy reported in Chicago in 1970 and the seventh since 1965. Of the 233 cases of leprosy reported in the United States or Puerto Rico in the last 2 years, 22 were in persons of Cuban birth. Seventeen of these were diagnosed in Miami when the patients were examined as new immigrants; the other four cases were diagnosed in Los Angeles, Miami, Albuquerque, and San Juan.

INTERNATIONAL NOTES
INFLUENZA WORLDWIDE - March-October 1970

Influenza A2/Hong Kong/68 was first recognized in July 1968 in Southeast Asia and was responsible for major epidemics in Southeast Asia and the United States in the winter of 1968-69. In the fall and winter of 1969-70, a number of outbreaks were reported from North America, South America, Africa, Australia, Asia, and Europe. A total of 41 countries had reported influenza outbreaks to the World Health Organization as of March 14, 1970 (MMWR, Vol. 19, No. 10). Since that time, additional epidemics of influenza have been reported to the World Health Organization, primarily from countries in the southern hemisphere.

Outbreaks in 1970 in which the Hong Kong influenza virus was isolated occurred in South Africa in May, in the Canal Zone in June, Australia in June and July, Argentina in July, New Guinea in September, and Thailand in Septem-

ber. The outbreak in Australia is of particular interest, since this is the third consecutive year in which an influenza epidemic has been reported from the northern territory of that continent. Viruses similar to the A2/England 878/69, but slightly different antigenically from A2/Hong Kong/68, have been isolated in small numbers in England, France, Portugal, and New Zealand.

In addition to the A2/Hong Kong influenza, scattered small outbreaks of Influenza B have been reported from the United Kingdom through May. An outbreak of Influenza B started in the Fiji Islands in the middle of October.

(Reported by the World Health Organization (Weekly Epidemiological Record, Vol. 45, Nos. 11-43, 1970) and the Viral Diseases Branch, Epidemiology Program, CDC.)

CORAL SNAKE ANTIVENIN

A supply of coral snake antivenin, obtained by the Center for Disease Control, has been distributed, in collaboration with State Epidemiologists, to selected storage points for emergency use in the treatment of coral snake bites. The storage points were selected on the basis of need. Several are located in local hospitals in the southeastern states, where the three subspecies of coral snakes (*Micrurus fulvius*) are primarily found. In other states, the storage points may be at zoos or universities where the snake is kept. There are 104 packages of antivenin (520 vials of 10 cc each) in 74

locations throughout 14 states. A supply is also maintained by the Immunobiologics Activity, CDC, for replacement purposes. When coral snake antivenin is needed, information about the closest storage point may be obtained from the State Epidemiologist.

Since April 1968, 22 persons have been treated with coral snake antivenin without adverse effects. These have been in Florida (17), Georgia (2), Louisiana (1), and Texas (2).

(Reported by the Laboratory Division, CDC.)

SURVEILLANCE SUMMARY ANIMAL RABIES – October 1970

A total of 253 cases of rabies were reported for October 1970, with 79 percent of these (200 cases) occurring in wildlife species (Table 1). Skunks were most frequently reported as being infected, both in the total number of cases (96) and in the number of states reporting (21). Also reported were 55 cases in foxes, 30 in bats, 18 in raccoons, and one in a bobcat. Of infected domestic animals, cattle were the most frequently reported, with 23 cases. Rabies cases were also reported in 16 dogs, 13 cats, and one horse.

Iowa and California reported the most animal cases, with 26 and 21, respectively. The counties reporting the most cases were St. Lawrence County, New York (7), Sacra-

mento County, California (5), Morgan County, Missouri (4), and Tazewell County, Virginia (4).

(Reported by Rabies Control Unit, Viral Diseases Branch, Epidemiology Program, CDC.)

This is a summary of the October Rabies Surveillance Report. This report will hereafter be published every month. A copy of the report from which these data were obtained is available on request from

Center for Disease Control
Attn: Chief, Rabies Control Unit, Viral Diseases Branch
Epidemiology Program
Lawrenceville, Georgia 30245

Table 1
Reports of Rabies in Animals by Type of Animal and State – October 1970

STATES	Dogs	Cats	Cattle	Horses	Domestic Animal Total	Skunks		Foxes		Raccoons	Bat	Other	Wild Animal Total	Total	
						Striped	Not Specified	Gray	Red						
TOTALS	16	13	23	1	53	50	45	21	7	27	18	30	2	200	253
Alabama					0					3			3	3	Alabama
Alaska					0			1					1	1	Alaska
Arizona					0				1		2		3	3	Arizona
Arkansas					0	3							3	3	Arkansas
California					0		15				6		21	21	California
Colorado					0	2							2	2	Colorado
Connecticut					0						1		1	1	Connecticut
Delaware					0								0	0	Delaware
District of Columbia					0								0	0	District of Columbia
Florida					0					5		1 Bobcat	6	6	Florida
Georgia					0	1				10	1		12	12	Georgia
Hawaii					0								0	0	Hawaii
Idaho					0						1		1	1	Idaho
Illinois			2		2	5							5	7	Illinois
Indiana					0	1							1	1	Indiana
Iowa			2	6	8		15			2	1		18	26	Iowa
Kansas					0	8							8	8	Kansas
Kentucky	1		2		3	1		2	1	2	1		7	10	Kentucky
Louisiana					0			7					7	7	Louisiana
Maine	1				1					7			7	8	Maine
Maryland					0						1		1	1	Maryland
Massachusetts					0								0	0	Massachusetts
Michigan	1	1			2								0	2	Michigan
Minnesota	2				2	6							6	8	Minnesota
Mississippi					0								0	0	Mississippi
Missouri	4	1	2		7		6			3			9	16	Missouri
Montana					0								0	0	Montana
Nebraska					0								0	0	Nebraska
Nevada					0		1			1	1		3	3	Nevada
New Hampshire					0								0	0	New Hampshire
New Jersey					0						1		1	1	New Jersey
New Mexico					0		1				4		5	5	New Mexico
New York			2		2			1	3	4	1		9	11	New York
North Carolina				1	1						1		1	2	North Carolina
North Dakota		1	1		2	7							8	10	North Dakota
Ohio					0	1					2		3	3	Ohio
Oklahoma					0	2							2	2	Oklahoma
Oregon					0						2		2	2	Oregon
Pennsylvania					0						2		2	2	Pennsylvania
Rhode Island					0						1		1	1	Rhode Island
South Carolina					0								0	0	South Carolina
South Dakota			1		1	9						1 Spotted Skunk	10	11	South Dakota
Tennessee					0	1				1			2	2	Tennessee
Texas	1	2	1		4		6				2		8	12	Texas
Utah					0								0	0	Utah
Vermont		1	1		2				1	2			3	5	Vermont
Virginia	1	1	2		4			8	1				9	13	Virginia
Washington					0								0	0	Washington
West Virginia	3	1	4		8		1	3		1			5	13	West Virginia
Wisconsin	2	1	1		4	3							3	7	Wisconsin
Wyoming					0						1		1	1	Wyoming
Guam					0								0	0	Guam
Puerto Rico					0								0	0	Puerto Rico
Virgin Islands					0								0	0	Virgin Islands

*Not Reported For October

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TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

JANUARY 2, 1971 AND DECEMBER 27, 1969 (52nd WEEK)

AREA	ASEPTIC MENIN- GITIS	BRUCEL- LOSIS	DIPH- THERIA	ENCEPHALITIS		Post In- fectious	HEPATITIS		MALARIA		
				Primary including unsp. cases			Serum	Infectious		1970	Cum. 1970
				1970	1969	1970		1970	1970		
UNITED STATES.....	53	4	3	19	15	3	140	944	665	51	3,467
NEW ENGLAND.....	2	-	-	3	-	-	11	100	81	-	89
Maine.*.....	-	-	-	-	-	-	-	4	2	-	11
New Hampshire.*.....	-	-	-	-	-	-	-	2	4	-	6
Vermont.....	-	-	-	-	-	-	-	29	1	-	5
Massachusetts.....	1	-	-	-	-	-	5	28	41	-	42
Rhode Island.....	1	-	-	2	-	-	3	17	18	-	9
Connecticut.....	-	-	-	1	-	-	3	20	15	-	16
MIDDLE ATLANTIC.....	3	-	-	2	3	1	50	154	100	1	327
New York City.....	2	-	-	-	-	-	29	43	-	1	43
New York, Up-State...	-	-	-	-	-	1	4	34	27	-	94
New Jersey.*.....	1	-	-	1	-	-	16	37	53	-	87
Pennsylvania.....	-	-	-	1	3	-	1	40	20	-	103
EAST NORTH CENTRAL.....	2	1	-	7	5	-	11	159	138	2	210
Ohio.....	-	-	-	2	3	-	3	36	33	-	32
Indiana.....	-	-	-	-	1	-	-	-	15	-	25
Illinois.....	2	1	-	4	-	-	3	41	36	1	63
Michigan.....	-	-	-	1	1	-	5	73	50	1	90
Wisconsin.....	-	-	-	-	-	-	-	9	4	-	-
WEST NORTH CENTRAL.....	3	-	1	1	1	-	-	39	18	7	367
Minnesota.*.....	1	-	-	-	1	-	-	6	-	-	46
Iowa.....	-	-	-	-	-	-	-	-	1	-	28
Missouri.....	2	-	-	-	-	-	-	19	13	3	37
North Dakota.....	-	-	-	-	-	-	-	2	-	-	4
South Dakota.....	-	-	1	-	-	-	-	-	1	-	2
Nebraska.....	-	-	-	-	-	-	-	2	1	-	9
Kansas.....	-	-	-	1	-	-	-	10	2	4	241
SOUTH ATLANTIC.....	10	-	-	2	2	-	29	134	55	8	617
Delaware.....	-	-	-	-	-	-	-	1	-	-	2
Maryland.....	-	-	-	-	-	-	15	18	5	1	81
Dist. of Columbia....	-	-	-	-	-	-	1	-	-	-	2
Virginia.....	-	-	-	-	-	-	2	16	5	2	84
West Virginia.....	-	-	-	-	-	-	1	10	4	-	13
North Carolina.....	1	-	-	-	-	-	5	19	4	3	224
South Carolina.....	-	-	-	-	-	-	-	13	3	1	54
Georgia.....	-	-	-	-	-	-	-	39	9	1	102
Florida.....	9	-	-	2	2	-	5	18	25	-	55
EAST SOUTH CENTRAL.....	3	-	-	-	-	-	-	48	34	-	205
Kentucky.....	-	-	-	-	-	-	-	13	13	-	163
Tennessee.....	1	-	-	-	-	-	-	25	8	-	-
Alabama.....	2	-	-	-	-	-	-	8	11	-	26
Mississippi.....	-	-	-	-	-	-	-	2	2	-	16
WEST SOUTH CENTRAL.....	1	3	2	-	1	-	9	50	16	17	630
Arkansas.....	-	2	-	-	-	-	-	4	-	-	15
Louisiana.....	-	-	-	-	1	-	-	-	-	4	53
Oklahoma.....	-	-	-	-	-	-	-	10	6	-	106
Texas.....	1	1	2	-	-	-	9	36	10	13	456
MOUNTAIN.....	4	-	-	-	-	-	4	69	30	-	364
Montana.....	-	-	-	-	-	-	-	6	1	-	10
Idaho.....	3	-	-	-	-	-	-	8	1	-	8
Wyoming.....	-	-	-	-	-	-	-	-	2	-	-
Colorado.....	1	-	-	-	-	-	2	25	10	-	322
New Mexico.....	-	-	-	-	-	-	-	4	-	-	10
Arizona.....	-	-	-	-	-	-	-	11	11	-	10
Utah.....	-	-	-	-	-	-	2	14	5	-	4
Nevada.....	-	-	-	-	-	-	-	1	-	-	-
PACIFIC.....	25	-	-	4	3	2	26	191	193	16	658
Washington.....	-	-	-	-	-	-	-	25	17	-	51
Oregon.....	-	-	-	-	1	-	2	35	11	-	25
California.....	22	-	-	4	2	2	24	126	159	16	438
Alaska.....	-	-	-	-	-	-	-	-	3	-	2
Hawaii.....	3	-	-	-	-	-	-	5	3	-	142
Puerto Rico*.....	-	-	-	-	-	-	-	-	13	-	28
Virgin Islands.....	-	-	-	-	-	-	-	-	-	-	-

* Delayed reports: Aseptic meningitis: Minn. 2, Fla. 1

Encephalitis, primary: Minn. 2, Fla. 2

Hepatitis, serum: N.J. delete 1, Fla. 8

Hepatitis, infectious: Me. delete 1, N.H. 2, N.J. delete 1, Fla. 50, P.R. 5

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

JANUARY 2, 1971 AND DECEMBER 27, 1969 (52nd WEEK) - CONTINUED

AREA	MEASLES (Rubeola)			MENINGOCOCCAL INFECTIONS, TOTAL			MUMPS		POLIOMYELITIS		
	1970	Cumulative		1970	Cumulative		1970	Cum. 1970	Total		Cum. 1970
		1970	1969		1970	1969			1970	1970	
UNITED STATES.....	484	47,272	25,098	55	2,483	2,923	1,395	101,946	-	-	28
NEW ENGLAND.....	19	1,248	1,201	1	103	114	190	11,585	-	-	-
Maine.....	4	434	11	-	5	8	12	872	-	-	-
New Hampshire...*	-	61	246	1	10	5	8	452	-	-	-
Vermont.....	-	9	3	-	8	-	9	736	-	-	-
Massachusetts.....	14	507	257	-	40	44	36	3,449	-	-	-
Rhode Island.....	-	120	27	-	7	15	124	2,384	-	-	-
Connecticut.....	1	117	657	-	33	42	1	3,692	-	-	-
MIDDLE ATLANTIC.....	37	5,423	8,125	5	447	480	90	9,506	-	-	-
New York City.....	31	1,150	5,039	-	90	89	26	3,097	-	-	-
New York, Up-State...	5	427	634	2	87	98	NN	NN	-	-	-
New Jersey.....	-	1,729	1,200	-	182	186	30	2,796	-	-	-
Pennsylvania.....	1	2,117	1,252	3	88	107	34	3,613	-	-	-
EAST NORTH CENTRAL.....	41	10,884	3,288	5	283	396	542	29,118	-	-	2
Ohio...*	13	4,047	568	3	105	140	48	4,969	-	-	-
Indiana.....	-	280	501	-	27	53	8	2,467	-	-	-
Illinois.....	7	3,316	1,129	1	69	57	29	2,258	-	-	-
Michigan.....	4	1,851	402	1	69	118	215	7,815	-	-	1
Wisconsin.....	17	1,390	688	-	13	28	242	11,609	-	-	1
WEST NORTH CENTRAL.....	1	3,948	1,610	-	132	142	13	5,470	-	-	1
Minnesota.....	-	40	11	-	24	29	1	604	-	-	-
Iowa.....	-	1,183	360	-	14	21	-	3,454	-	-	-
Missouri.....	1	1,281	32	-	68	57	1	414	-	-	1
North Dakota.....	-	321	81	-	5	2	6	382	-	-	-
South Dakota.....	-	106	51	-	1	1	5	59	-	-	-
Nebraska.....	-	946	1,066	-	8	14	-	402	-	-	-
Kansas.....	-	71	9	-	12	18	-	155	-	-	-
SOUTH ATLANTIC.....	110	7,903	3,064	6	477	510	138	10,677	-	-	-
Delaware.....	-	269	522	-	3	17	-	375	-	-	-
Maryland.....	1	1,392	100	3	50	43	11	1,151	-	-	-
Dist. of Columbia...	-	345	80	-	3	9	4	223	-	-	-
Virginia.....	32	2,343	1,011	1	50	60	11	2,271	-	-	-
West Virginia.....	12	350	226	-	13	25	24	2,592	-	-	-
North Carolina.....	57	1,014	373	1	100	100	NN	NN	-	-	-
South Carolina.....	4	645	134	-	49	69	27	1,036	-	-	-
Georgia...*	-	18	2	-	46	78	-	3	-	-	-
Florida.....	4	1,527	616	1	163	109	61	3,026	-	-	-
EAST SOUTH CENTRAL.....	120	2,303	132	8	177	211	91	6,131	-	-	-
Kentucky.....	30	1,115	75	-	60	85	52	2,269	-	-	-
Tennessee.....	7	556	21	7	77	77	32	3,385	-	-	-
Alabama.....	69	493	12	1	27	28	3	404	-	-	-
Mississippi.....	14	139	24	-	13	21	4	73	-	-	-
WEST SOUTH CENTRAL.....	118	9,711	5,227	3	296	387	80	9,039	-	-	22
Arkansas.....	1	33	16	-	25	34	2	162	-	-	-
Louisiana.....	-	319	125	-	72	105	-	50	-	-	-
Oklahoma.....	50	994	143	-	23	36	7	2,711	-	-	-
Texas.....	67	8,365	4,943	3	176	212	71	6,116	-	-	22
MOUNTAIN.....	7	2,300	1,200	1	58	59	66	4,471	-	-	1
Montana.....	-	114	122	-	1	8	3	811	-	-	-
Idaho.....	2	486	90	-	7	13	-	110	-	-	-
Wyoming.....	-	11	-	-	2	-	2	44	-	-	-
Colorado.....	-	306	142	-	18	13	21	1,566	-	-	1
New Mexico.....	-	310	290	-	5	8	3	793	-	-	-
Arizona.....	4	1,013	544	1	18	10	37	1,015	-	-	-
Utah.....	1	39	11	-	6	5	-	132	-	-	-
Nevada.....	-	21	1	-	1	2	-	-	-	-	-
PACIFIC.....	31	3,552	1,251	26	510	624	185	15,949	-	-	2
Washington.....	-	774	69	-	49	61	21	6,108	-	-	-
Oregon.....	5	458	201	-	33	25	37	1,406	-	-	-
California.....	26	1,987	915	26	423	517	94	6,398	-	-	2
Alaska.....	-	141	14	-	-	11	-	399	-	-	-
Hawaii.....	-	192	52	-	5	10	33	1,638	-	-	-
Puerto Rico.....*	5	994	2,147	-	5	20	2	948	-	-	-
Virgin Islands.....	-	8	58	-	3	-	-	3	-	-	-

* Delayed reports: Measles: Fla. 13, P.R. 5
Meningococcal infections; Fla. 4
Mumps: N.H. 2, Fla. 88, P.R. 21
Poliomyelitis: Ohio delete 1 unspecified

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

JANUARY 2, 1971 AND DECEMBER 27, 1969 (52nd 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.....	154	55,111	3	137	1	163	2	358	-	339	43	2,987
NEW ENGLAND.....	8	2,814	-	4	-	1	-	14	-	-	1	116
Maine.....	1	548	-	-	-	-	-	-	-	-	-	49
New Hampshire*.....	-	157	-	-	-	-	-	-	-	-	-	1
Vermont.....	-	68	-	-	-	-	-	-	-	-	1	57
Massachusetts.....	3	1,288	-	2	-	1	-	10	-	-	-	4
Rhode Island.....	-	128	-	-	-	-	-	-	-	-	-	1
Connecticut.....	4	625	-	2	-	-	-	4	-	-	-	4
MIDDLE ATLANTIC.....	11	4,262	-	21	-	2	-	65	-	14	8	268
New York City.....	7	684	-	13	-	-	-	25	-	-	-	-
New York, Up-State..	-	481	-	4	-	1	-	20	-	6	7	251
New Jersey.....	-	898	-	3	-	-	-	10	-	4	-	-
Pennsylvania.....	4	2,199	-	1	-	1	-	10	-	4	1	17
EAST NORTH CENTRAL....	33	11,359	-	26	-	22	-	53	-	10	2	232
Ohio.....	6	2,176	-	2	-	4	-	18	-	9	-	58
Indiana.....	2	2,058	-	8	-	13	-	4	-	-	-	26
Illinois.....	-	1,791	-	7	-	3	-	10	-	1	-	63
Michigan.....	11	3,017	-	8	-	-	-	14	-	-	1	28
Wisconsin.....	14	2,317	-	1	-	2	-	7	-	-	1	57
WEST NORTH CENTRAL....	5	3,457	1	6	-	31	2	14	-	4	15	653
Minnesota.....	-	127	-	1	-	1	-	1	-	-	9	136
Iowa.....	-	2,082	-	2	-	-	-	1	-	1	-	132
Missouri.....	2	449	-	1	-	27	-	3	-	3	2	121
North Dakota.....	-	156	-	-	-	1	-	2	-	-	1	57
South Dakota.....	1	4	-	1	-	1	-	-	-	-	-	85
Nebraska.....	1	584	-	-	-	-	-	2	-	-	-	7
Kansas.....	1	55	1	1	-	1	2	5	-	-	3	115
SOUTH ATLANTIC.....	21	6,925	-	31	-	27	-	48	-	225	5	592
Delaware.....	-	46	-	-	-	-	-	-	-	5	-	-
Maryland*.....	1	336	-	1	-	-	-	14	-	25	-	3
Dist. of Columbia...	-	23	-	1	-	-	-	1	-	-	-	-
Virginia.....	5	782	-	2	-	16	-	9	-	57	2	217
West Virginia.....	2	1,425	-	-	-	2	-	-	-	5	2	153
North Carolina.....	2	49	-	3	-	5	-	3	-	88	-	3
South Carolina.....	1	676	-	2	-	-	-	3	-	35	-	-
Georgia.....	-	-	-	6	-	3	-	8	-	9	-	120
Florida*.....	10	3,588	-	16	-	1	-	10	-	1	1	96
EAST SOUTH CENTRAL....	15	3,021	-	16	-	15	-	42	-	40	4	243
Kentucky.....	-	973	-	2	-	2	-	12	-	3	3	137
Tennessee.....	11	1,550	-	6	-	12	-	20	-	22	1	66
Alabama*.....	-	396	-	6	-	-	-	8	-	12	-	37
Mississippi.....	4	102	-	2	-	1	-	2	-	3	-	3
WEST SOUTH CENTRAL....	25	9,401	1	17	-	39	-	34	-	38	5	462
Arkansas.....	2	38	1	5	-	18	-	10	-	6	-	74
Louisiana.....	-	158	-	4	-	6	-	10	-	1	-	69
Oklahoma.....	1	826	-	-	-	6	-	1	-	24	2	98
Texas.....	22	8,379	-	8	-	9	-	13	-	7	3	221
MOUNTAIN.....	7	2,154	-	-	-	15	-	17	-	6	-	84
Montana.....	-	342	-	-	-	3	-	1	-	1	-	1
Idaho.....	-	207	-	-	-	-	-	-	-	2	-	-
Wyoming.....	-	136	-	-	-	-	-	2	-	1	-	3
Colorado.....	5	435	-	-	-	-	-	4	-	2	-	34
New Mexico.....	-	237	-	-	-	-	-	6	-	-	-	16
Arizona.....	2	624	-	-	-	-	-	2	-	-	-	14
Utah.....	-	173	-	-	-	12	-	2	-	-	-	2
Nevada.....	-	-	-	-	-	-	-	-	-	-	-	14
PACIFIC.....	29	11,718	1	16	1	11	-	71	-	2	3	337
Washington.....	1	4,984	-	2	-	2	-	4	-	-	-	9
Oregon.....	10	1,006	-	3	-	2	-	1	-	-	-	4
California.....	13	5,385	1	11	1	7	-	62	-	2	3	313
Alaska.....	-	112	-	-	-	-	-	3	-	-	-	11
Hawaii.....	5	231	-	-	-	-	-	1	-	-	-	-
Puerto Rico*.....	-	27	-	16	-	-	-	5	-	-	-	49
Virgin Islands.....	-	1	-	-	-	-	-	1	-	-	-	-

*Delayed reports: Rubella: N.H. 2, Fla. 69, Ala. 1
 RMSF: Md. 1
 Rabies in animals: Fla. 1, P.R. 1

Week No.
52

TABLE IV. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED JANUARY 2, 1971

(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:	826	491	60	34	SOUTH ATLANTIC:	1,163	635	45	33
Boston, Mass.-----	275	144	20	15	Atlanta, Ga.-----	107	54	1	5
Bridgeport, Conn.-----	53	34	5	1	Baltimore, Md.-----	241	131	6	6
Cambridge, Mass.-----	37	27	6	1	Charlotte, N. C.-----	44	21	—	1
Fall River, Mass.-----	27	16	2	—	Jacksonville, Fla.-----	90	52	1	4
Hartford, Conn.-----	52	26	1	3	Miami, Fla.-----	111	57	1	6
Lowell, Mass.-----	36	26	4	1	Norfolk, Va.-----	62	31	10	1
Lynn, Mass.-----	30	21	2	—	Richmond, Va.-----	105	41	7	3
New Bedford, Mass.-----	18	12	—	—	Savannah, Ga.-----	25	12	1	1
New Haven, Conn.-----	53	29	—	2	St. Petersburg, Fla.-----	96	79	2	1
Providence, R. I.-----	67	37	7	5	Tampa, Fla.-----	81	46	3	3
Somerville, Mass.-----	20	16	1	—	Washington, D. C.-----	148	81	10	1
Springfield, Mass.-----	54	32	5	3	Wilmington, Del.-----	53	30	3	1
Waterbury, Conn.-----	40	24	—	3					
Worcester, Mass.-----	64	47	7	—	EAST SOUTH CENTRAL:	539	292	26	20
MIDDLE ATLANTIC:	3,187	1,855	130	127	Birmingham, Ala.-----	63	35	1	4
Albany, N. Y.-----	48	25	1	2	Chattanooga, Tenn.-----	49	25	1	1
Allentown, Pa.-----	31	20	—	1	Knoxville, Tenn.-----	34	25	3	—
Buffalo, N. Y.-----	190	101	7	11	Louisville, Ky.-----	106	56	9	3
Camden, N. J.-----	61	38	7	3	Memphis, Tenn.-----	100	59	1	1
Elizabeth, N. J.-----	24	15	—	—	Mobile, Ala.-----	48	16	2	2
Erie, Pa.-----	41	23	4	2	Montgomery, Ala.-----	42	23	4	5
Jersey City, N. J.-----	71	38	3	7	Nashville, Tenn.-----	97	53	5	4
Newark, N. J.-----	97	37	5	7					
New York City, N. Y.-----	1,548	929	61	49	WEST SOUTH CENTRAL:	1,074	543	36	59
Paterson, N. J.-----	48	33	1	—	Austin, Tex.-----	37	23	3	2
Philadelphia, Pa.-----	385	209	5	19	Baton Rouge, La.-----	37	19	2	4
Pittsburgh, Pa.-----	170	85	10	5	Corpus Christi, Tex.-----	26	12	1	1
Reading, Pa.-----	59	36	3	3	Dallas, Tex.-----	183	76	3	17
Rochester, N. Y.-----	136	87	6	10	El Paso, Tex.-----	29	16	2	3
Schenectady, N. Y.-----	26	17	2	1	Fort Worth, Tex.-----	75	44	6	4
Scranton, Pa.-----	41	29	1	1	Houston, Tex.-----	158	82	2	1
Syracuse, N. Y.-----	81	51	3	3	Little Rock, Ark.-----	29	12	1	4
Trenton, N. J.-----	65	38	5	2	New Orleans, La.-----	200	105	8	11
Utica, N. Y.-----	33	24	4	—	Oklahoma City, Okla.-----	85	36	2	3
Yonkers, N. Y.-----	32	20	2	1	San Antonio, Tex.-----	105	51	1	4
					Shreveport, La.-----	47	27	5	3
					Tulsa, Okla.-----	63	40	—	2
EAST NORTH CENTRAL:	2,638	1,500	95	118					
Akron, Ohio-----	70	46	1	2	MOUNTAIN:	507	297	13	17
Canton, Ohio-----	31	27	—	—	Albuquerque, N. Mex.-----	58	20	6	3
Chicago, Ill.-----	760	405	15	30	Colorado Springs, Colo.-----	28	23	—	1
Cincinnati, Ohio-----	150	82	4	9	Denver, Colo.-----	128	78	4	3
Cleveland, Ohio-----	199	106	6	4	Ogden, Utah-----	17	10	2	—
Columbus, Ohio-----	91	51	8	3	Phoenix, Ariz.-----	115	66	—	4
Dayton, Ohio-----	87	47	3	4	Pueblo, Colo.-----	16	12	—	1
Detroit, Mich.-----	396	222	16	14	Salt Lake City, Utah-----	70	48	—	3
Evansville, Ind.-----	54	32	5	2	Tucson, Ariz.-----	75	40	1	2
Flint, Mich.-----	59	31	2	5					
Fort Wayne, Ind.-----	38	26	1	4	PACIFIC:	1,454	897	31	35
Gary, Ind.-----	34	13	3	2	Berkeley, Calif.-----	21	18	1	—
Grand Rapids, Mich.-----	58	39	1	4	Fresno, Calif.-----	39	21	—	1
Indianapolis, Ind.-----	171	100	5	10	Glendale, Calif.-----	25	19	—	—
Madison, Wis.-----	42	22	7	—	Honolulu, Hawaii-----	47	19	1	6
Milwaukee, Wis.-----	95	64	3	5	Long Beach, Calif.-----	95	68	—	—
Peoria, Ill.-----	34	14	1	5	Los Angeles, Calif.-----	381	229	6	7
Rockford, Ill.-----	43	22	5	4	Oakland, Calif.-----	61	37	—	2
South Bend, Ind.-----	69	48	5	5	Pasadena, Calif.-----	43	33	—	—
Toledo, Ohio-----	99	69	3	6	Portland, Oreg.-----	107	71	2	—
Youngstown, Ohio-----	58	34	1	—	Sacramento, Calif.-----	74	49	—	2
					San Diego, Calif.-----	89	47	—	7
WEST NORTH CENTRAL:	833	504	35	32	San Francisco, Calif.-----	177	102	7	3
Des Moines, Iowa-----	53	36	3	2	San Jose, Calif.-----	61	38	3	—
Duluth, Minn.-----	26	16	6	—	Seattle, Wash.-----	141	94	3	3
Kansas City, Kans.-----	47	25	5	6	Spokane, Wash.-----	56	32	3	4
Kansas City, Mo.-----	134	83	3	2	Tacoma, Wash.-----	37	20	5	—
Lincoln, Nebr.-----	19	16	2	—					
Minneapolis, Minn.-----	119	72	6	8	Total	12,221	7,014	471	475
Omaha, Nebr.-----	69	45	1	2	Expected Number	13,546	7,892	548	573
St. Louis, Mo.-----	253	143	3	6	Cumulative Total (includes reported corrections for previous weeks)	664,849	379,859	25,581	31,506
St. Paul, Minn.-----	77	47	1	5					
Wichita, Kans.-----	36	21	5	1					
Las Vegas, Nev.*	20	10	1	1					

*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 December 26, 1970
†† Estimate based on average per cent of Divisional total

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:

Algeria

In the note concerning cholera, delete: Tunisia, Turkey, and insert: Certificate required from arrivals from all countries any parts of which are infected.

Czechoslovakia

In the note concerning cholera, insert: Certificate required from arrivals from all countries any parts of which are infected.

Greece

In the note concerning cholera, delete: Turkey.

Ivory Coast

Insert: Cholera - I.

ERRATUM, Vol. 19, No. 50, p. 480, left column, line 2
"October 13" should read "November 13".

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
DIRECTOR, EPIDEMIOLOGY PROGRAM

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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
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