



Morbidity and Mortality

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

CONGENITAL RUBELLA SYNDROME - United States

Between September 1969, when the National Registry for Congenital Rubella Syndrome (CRS) was established, and December 1970, 59 case report forms were submitted to CDC from 21 states and Washington, D.C. In the same period, 75 cases of CRS were officially reported to CDC and listed in the MMWR. Figure 1 depicts the reported cases of rubella and the occurrence of the 59 cases of CRS by 4-week periods in 1968-70. The large majority of babies with CRS were born 7-9 months after the 1969 peak incidence of rubella.

Of the 59 cases for which case report forms were received, 49 were confirmed as CRS by laboratory findings* or designated as CRS by clinical criteria, and 10 were con-

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sidered presumptive cases, pending additional data. Approximately 80 percent of the reported cases were diagnosed when the infants were less than 1 month old. Most of the infants had multiple defects. Sixteen of them died; 15 were less than 2½ months old. In 34 (57.5 percent) of the reported cases, clinical histories indicated maternal rubella in the first 3 months of pregnancy.

*The presently accepted criteria for laboratory confirmation of CRS are: (1) isolation of rubella virus from a neonate and (2) in-

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

DISEASE	3rd WEEK ENDED		MEDIAN 1966 - 1970	CUMULATIVE, FIRST 3 WEEKS		
	January 23, 1971	January 24, 1970		1971	1970	MEDIAN 1966 - 1970
Aseptic meningitis	61	41	27	182	106	77
Brucellosis	1	1	1	1	4	5
Diphtheria	3	2	2	16	9	6
Encephalitis, primary: Arthropod-borne & unspecified	22	13	20	59	54	54
Encephalitis, post-infectious	5	3	9	18	15	20
Hepatitis, serum	238	132	76	551	382	179
Hepatitis, infectious	1,350	1,206	823	3,764	3,209	2,180
Malaria	61	53	31	170	143	103
Measles (rubeola)	1,221	866	866	3,168	2,336	2,336
Meningococcal infections, total	49	51	73	166	166	191
Civilian	45	49	68	155	157	187
Military	4	2	3	11	9	9
Mumps	3,058	2,528	---	8,063	6,764	---
Poliomyelitis, total	---	---	---	1	---	---
Paralytic	---	---	---	---	---	---
Rubella (German measles)	522	1,023	654	1,347	2,285	1,406
Tetanus	---	2	2	1	2	3
Tularemia	5	1	1	9	3	5
Typhoid fever	1	5	5	11	15	15
Typhus, tick-borne (Rky. Mt. spotted fever)	1	---	---	1	---	2
Rabies in animals	75	36	61	205	137	203

TABLE II. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	---	Psittacosis:* Calif.-1	4
Botulism:	---	Rabies in Man:	---
Leprosy: Tex.-2	7	Rubella congenital syndrome: Calif.-2	3
Leptospirosis:	1	Trichinosis:* Ill.-1	3
Plague:	---	Typhus, murine:	---

*Delayed Reports (1970): Psittacosis: Mich. 1
 Trichinosis: Ind. delete 1

CONGENITAL RUBELLA SYNDROME --(Continued from front page)

creased rubella IgM antibodies in the neonatal period or persistent rubella hemagglutination-inhibition antibody between 6 and 9 months of age (1) (2).

(Reported by Investigations and Evaluation Section, Field Services Branch, Epidemiology Program, CDC.)

Editorial Note:

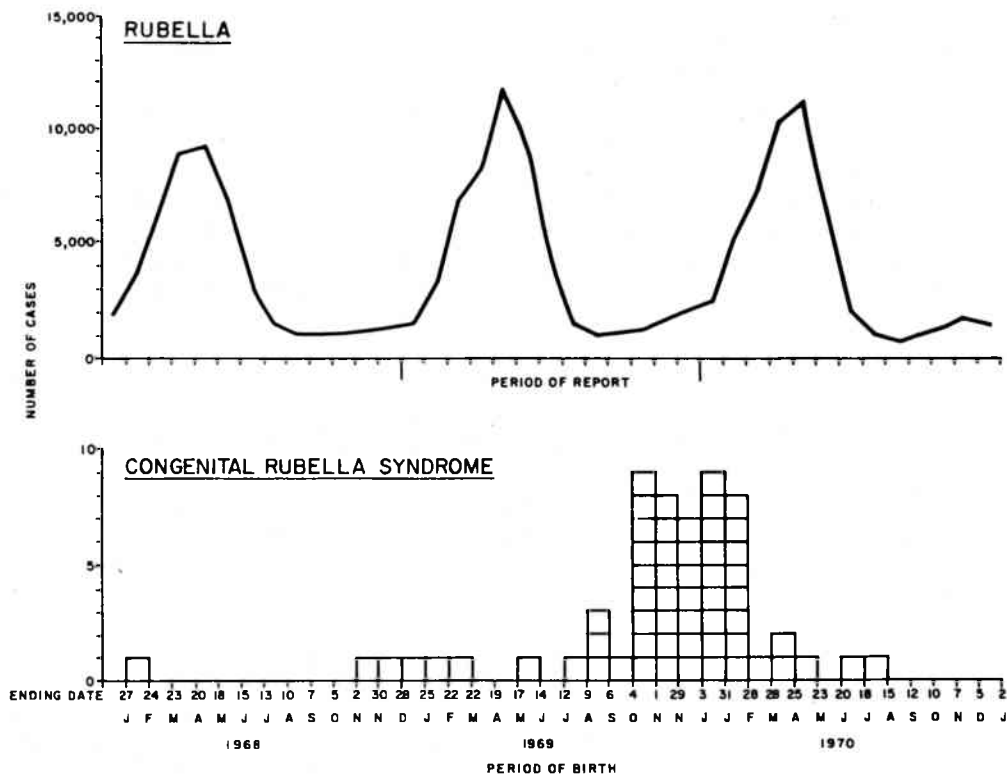
In 1966, 11 cases of CRS were officially reported to CDC; in 1967, 10 were reported, and in 1968, 14. A retrospective survey of CRS cases in the United States conducted by CDC in 1969-70 (3), though incomplete in many areas, revealed 210, 188, and 143 cases, respectively, for 1966-1968. The survey thus pointed up the considerable

underreporting of CRS cases. Improved CRS case finding and reporting is necessary to determine more adequately the effectiveness of the current rubella immunization programs in the United States.

References:

1. Cooper LZ, Krugman S: The Rubella Problem. Disease-a-Month, Feb 1969
2. Vesikari T, Vaheri A, Pettay O, Kunnas M: Congenital rubella: immune response of the neonate and diagnosis by demonstration of specific IgM antibodies. J Pediat 75: 658-664, 1969
3. Center for Disease Control: Rubella Surveillance, Rep No. 2, Aug 1970

Figure 1
CASES OF RUBELLA* AND OF CONGENITAL RUBELLA SYNDROME,**
BY 4-WEEK PERIODS, USA, 1968-1970



*Official Telegraphic Reports from States and Areas
**From Case Report Forms

EPIDEMIOLOGIC NOTES AND REPORTS

INFLUENZA-LIKE ILLNESS - Haslett, Michigan

In the week beginning Jan. 11, 1971, an outbreak of upper respiratory illness began in an elementary school in Haslett, Michigan, a suburb of Lansing. The illness is characterized by headache, hacking cough, fever (temperature 102-104° F.) lasting approximately 48 hours, mild nasal congestion, malaise, and myalgia. School absenteeism rose from the usual 5-7 percent per day to 19 percent on January 11 and 34 percent on January 15. First and second graders have been more frequently affected than older children; little, if any, spread to adults has been noted. One of 15 nasal and throat specimens cultured at the Michigan Department

of Health Laboratories yielded an influenza B virus, which was subsequently confirmed at the International Influenza Center for the Americas in Atlanta.

(Reported by Donald B. Coohon, D.V.M., Chief, Division of Communicable Disease, Bureau of Community Health, Maurice E. Becker, Ph.D., Chief, Virology Division, Bureau of Laboratories, Michigan Department of Public Health; the WHO International Influenza Center for the Americas, Atlanta, Georgia; and the Viral Diseases Branch, Epidemiology Program, CDC.)

INTERNATIONAL NOTES
CHOLERA - Worldwide

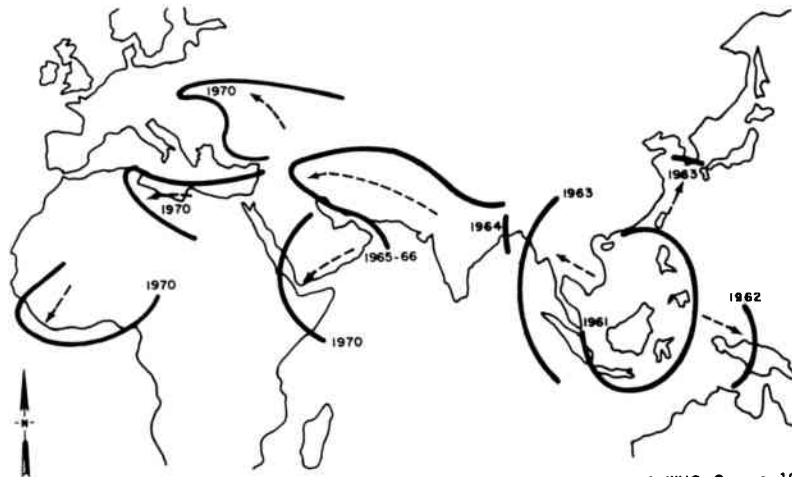
Since 1961, El Tor cholera has continued to spread from Indonesia. In 1970, it advanced into previously uninfected areas of the USSR, the Middle East, and Africa (Figure 1). As of Jan. 15, 1971, Niger has been added and Gaza Strip and Syria deleted from the list of countries currently reporting cholera to the World Health Organization (1) (Table 1).

(Reported by the Bacterial Diseases Branch, Epidemiology Program, and the Foreign Quarantine Program, CDC.)

References:

1. WHO, Weekly Epidemiological Record, Vol. 46, No. 3.
2. WHO, Weekly Epidemiological Record, Vol. 46, Nos. 1-3.
3. WHO, Weekly Epidemiological Record, Vol. 45, Nos. 1-52.

Figure 1
EXTENSION OF EL TOR CHOLERA, 1961-1970*



*SOURCE: Principles and Practice of Cholera Control, Public Health Papers No. 40, WHO, Geneva, 1970. Revised According to Weekly Epidemiological Record, Vol. 45, Nos. 1-52, 1970.

Table 1
Countries and Areas Officially Reporting Cholera, as of Jan. 15, 1971

Geographic Area	Currently Reporting (2)	Previously Reporting (3)	Imported Cases Only
I. Asia	Burma	Brunei	Japan
	India	Malaysia	
	Indonesia	Singapore	
	Nepal	Korea, Republic of	
	Pakistan		
	Philippines		
	Vietnam, Republic of		
II. Middle East	Trucial Oman (Dubai)	Gaza Strip	
		Israel	
		Jordan	
		Kuwait	
		Lebanon	
		Saudi Arabia	
		Syria	
		Turkey	
		Libya	
		Tunisia	
III. Africa	Dahomey	Ethiopia	
	Ghana	French Territory of Affars and Issas (formerly French Somaliland)	
	Ivory Coast		
	Liberia		
	Mali		
	Niger		
	Nigeria		
	Sierra Leone		
	Somalia		
	Togo		
	Upper Volta		
IV. Europe		Czechoslovakia	Wales (U.K.)
		France	
		USSR	

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TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED
JANUARY 23, 1971 AND JANUARY 24, 1970 (3rd 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	1971	1971	1970		
UNITED STATES.....	61	1	3	22	13	5	238	1,350	1,206	61	170
NEW ENGLAND.....	-	-	-	2	2	-	6	85	112	3	10
Maine.....	-	-	-	1	-	-	-	-	10	1	1
New Hampshire.....	-	-	-	-	-	-	-	4	6	1	1
Vermont.....	-	-	-	-	-	-	-	27	1	-	-
Massachusetts.....	-	-	-	1	-	-	4	21	70	-	7
Rhode Island.....	-	-	-	-	1	-	-	8	13	1	1
Connecticut.....	-	-	-	-	1	-	2	25	12	-	-
MIDDLE ATLANTIC.....	-	-	-	3	5	1	147	329	338	11	21
New York City.....	-	-	-	-	2	-	97	96	120	-	-
New York, Up-State...	-	-	-	1	1	-	12	90	71	3	4
New Jersey.....	-	-	-	-	2	-	25	75	65	7	11
Pennsylvania.....	-	-	-	2	-	1	13	68	82	1	6
EAST NORTH CENTRAL.....	3	-	-	6	3	-	14	164	163	1	5
Ohio.....	-	-	-	3	1	-	3	57	32	-	1
Indiana.....	-	-	-	-	-	-	1	5	8	-	-
Illinois.....	1	-	-	-	2	-	3	30	32	1	3
Michigan.....	2	-	-	3	-	-	7	64	85	-	1
Wisconsin.....	-	-	-	-	-	-	-	8	6	-	-
WEST NORTH CENTRAL.....	1	-	1	2	-	-	2	73	37	7	19
Minnesota.....	-	-	1	-	-	-	2	13	3	-	-
Iowa.....	-	-	-	1	-	-	-	7	12	2	2
Missouri.....	-	-	-	-	-	-	-	31	11	-	4
North Dakota.....	-	-	-	-	-	-	-	8	-	-	-
South Dakota.....	1	-	-	1	-	-	-	3	-	-	-
Nebraska.....	-	-	-	-	-	-	-	2	1	2	3
Kansas.....	-	-	-	-	-	-	-	9	10	3	10
SOUTH ATLANTIC.....	11	1	-	5	-	2	14	128	131	14	28
Delaware.....	1	-	-	-	-	-	-	-	11	-	-
Maryland.....	3	-	-	-	-	-	5	17	9	-	2
Dist. of Columbia...	-	-	-	-	-	-	-	3	-	-	-
Virginia.....	1	1	-	2	-	-	2	18	9	3	6
West Virginia.....	1	-	-	-	-	-	-	14	2	-	-
North Carolina.....	1	-	-	3	-	-	3	14	25	11	13
South Carolina.....	-	-	-	-	-	-	-	9	13	-	1
Georgia.....	-	-	-	-	-	-	-	20	19	-	2
Florida.....	4	-	-	-	-	2	4	33	43	-	4
EAST SOUTH CENTRAL.....	4	-	-	-	-	-	1	121	75	-	23
Kentucky.....	3	-	-	-	-	-	-	82	43	-	21
Tennessee.....	1	-	-	-	-	-	1	25	19	-	-
Alabama.....	-	-	-	-	-	-	-	13	10	-	2
Mississippi.....	-	-	-	-	-	-	-	1	3	-	-
WEST SOUTH CENTRAL.....	3	-	1	1	-	-	12	107	68	8	31
Arkansas.....	-	-	-	-	-	-	-	10	16	1	2
Louisiana.....	1	-	-	-	-	-	2	18	7	3	3
Oklahoma.....	-	-	-	1	-	-	-	5	13	-	8
Texas.....	2	-	1	-	-	-	10	74	32	4	18
MOUNTAIN.....	-	-	-	-	2	-	2	58	47	10	10
Montana.....	-	-	-	-	-	-	-	3	-	-	-
Idaho.....	-	-	-	-	1	-	-	4	4	-	-
Wyoming.....	-	-	-	-	-	-	-	-	2	-	-
Colorado.....	-	-	-	-	-	-	-	9	-	9	9
New Mexico.....	-	-	-	-	-	-	1	20	16	-	-
Arizona.....	-	-	-	-	1	-	-	14	18	1	1
Utah.....	-	-	-	-	-	-	1	8	6	-	-
Nevada.....	-	-	-	-	-	-	-	-	1	-	-
PACIFIC.....	39	-	1	3	1	2	40	285	235	7	23
Washington.....	-	-	-	-	-	-	-	27	27	-	-
Oregon.....	1	-	-	-	-	-	2	44	14	-	-
California.....	15	-	1	2	1	2	38	202	192	7	19
Alaska.....	23	-	-	-	-	-	-	11	-	-	1
Hawaii.....	-	-	-	1	-	-	-	1	2	-	3
Puerto Rico.....	1	-	-	-	-	-	1	14	7	-	-
Virgin Islands.....	-	-	-	-	-	-	-	-	-	-	-

*Delayed reports: Aseptic meningitis (1970): N.J. 7, Minn. 1,
Va. 1, N.C. delete 1, Okla. 2
Diphtheria (1970): Ala. 1
Encephalitis, primary (1970): N.J. 1, Okla. 3

Hepatitis, serum (1970): Kans. 3,
Tex. 1
Hepatitis, infectious: (1970)
Kans. 4, Md. 1, Okla. 6, (1971)
S.C. 11, Alaska 3
Malaria: (1970) Iowa 1, Kans. 2,
Okla. 4, (1971) S.C. 1

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
JANUARY 23, 1971 AND JANUARY 24, 1970 (3rd WEEK)—CONTINUED

AREA	MEASLES (Rubeola)			MENINGOCOCCAL INFECTIONS, TOTAL			MUMPS		POLIOMYELITIS		
	1971	Cumulative		1971	Cumulative		1971	Cum. 1971	Total	Paralytic	
		1971	1970		1971	1970				1971	Cum. 1971
UNITED STATES.....	1,221	3,168	2,336	49	166	166	3,058	8,063	-	-	-
NEW ENGLAND.....	33	121	31	3	6	9	255	627	-	-	-
Maine.....*	18	61	-	-	1	-	35	106	-	-	-
New Hampshire.....*	-	-	1	-	1	-	-	37	-	-	-
Vermont.....	-	-	-	-	-	-	-	-	-	-	-
Massachusetts.....	14	57	22	1	1	4	62	163	-	-	-
Rhode Island.....	-	2	1	-	1	1	59	154	-	-	-
Connecticut.....	1	1	7	2	2	4	99	167	-	-	-
MIDDLE ATLANTIC.....	103	350	369	5	18	24	200	686	-	-	-
New York City.....	56	193	46	-	2	5	23	113	-	-	-
New York, Up-State...	31	56	23	3	4	6	NN	NN	-	-	-
New Jersey.....	2	12	168	-	2	4	78	252	-	-	-
Pennsylvania.....	14	89	132	2	10	9	99	321	-	-	-
EAST NORTH CENTRAL.....	285	514	577	5	10	21	1,118	2,908	-	-	-
Ohio.....	142	257	183	3	6	10	180	343	-	-	-
Indiana.....	-	2	21	-	-	1	92	364	-	-	-
Illinois.....	52	68	310	-	1	1	87	186	-	-	-
Michigan.....	13	39	19	1	2	8	313	831	-	-	-
Wisconsin.....	78	148	44	1	1	1	446	1,184	-	-	-
WEST NORTH CENTRAL.....	44	70	224	4	15	1	170	421	-	-	-
Minnesota.....	1	3	-	1	3	1	55	82	-	-	-
Iowa.....	16	34	-	-	1	-	85	260	-	-	-
Missouri.....	9	11	1	-	4	-	5	21	-	-	-
North Dakota.....	-	1	9	-	1	-	20	33	-	-	-
South Dakota.....	17	17	-	1	3	-	2	17	-	-	-
Nebraska.....	-	2	213	1	1	-	1	6	-	-	-
Kansas.....	1	2	1	1	2	-	2	2	-	-	-
SOUTH ATLANTIC.....	158	510	443	6	13	36	211	639	-	-	-
Delaware.....	-	2	45	-	-	-	1	21	-	-	-
Maryland.....	-	3	73	-	1	3	22	86	-	-	-
Dist. of Columbia....	-	1	109	-	1	-	6	18	-	-	-
Virginia.....	104	324	90	-	-	2	14	78	-	-	-
West Virginia.....	10	22	16	-	1	-	65	168	-	-	-
North Carolina.....	20	87	17	2	2	7	NN	NN	-	-	-
South Carolina.....*	11	56	6	-	-	3	12	49	-	-	-
Georgia.....	1	1	-	2	3	9	-	-	-	-	-
Florida.....	12	14	87	2	5	12	91	219	-	-	-
EAST SOUTH CENTRAL.....	180	547	55	1	12	21	216	748	-	-	-
Kentucky.....	77	315	48	-	4	9	46	321	-	-	-
Tennessee.....	19	55	3	1	4	8	120	328	-	-	-
Alabama.....	62	145	4	-	3	3	46	81	-	-	-
Mississippi.....	22	32	-	-	1	1	4	18	-	-	-
WEST SOUTH CENTRAL.....	269	764	474	3	16	16	234	485	-	-	-
Arkansas.....	1	3	-	-	-	2	2	3	-	-	-
Louisiana.....*	20	42	2	2	6	3	1	1	-	-	-
Oklahoma.....	51	118	-	-	-	2	4	9	-	-	-
Texas.....	197	601	472	1	10	9	227	472	-	-	-
MOUNTAIN.....	93	150	93	2	12	4	105	300	-	-	-
Montana.....	4	26	2	-	-	-	3	23	-	-	-
Idaho.....	39	46	-	-	-	-	22	46	-	-	-
Wyoming.....	-	-	-	-	-	-	2	7	-	-	-
Colorado.....	15	16	3	-	3	1	23	59	-	-	-
New Mexico.....	25	43	15	-	-	-	6	30	-	-	-
Arizona.....	4	12	73	1	5	1	49	112	-	-	-
Utah.....	6	7	-	1	3	2	-	23	-	-	-
Nevada.....	-	-	-	-	1	-	-	-	-	-	-
PACIFIC.....	56	142	70	20	64	34	549	1,249	-	-	-
Washington.....	10	16	4	2	3	4	293	656	-	-	-
Oregon.....	5	21	-	3	5	3	44	127	-	-	-
California.....	40	98	64	15	54	27	180	379	-	-	-
Alaska.....	-	-	-	-	-	-	5	6	-	-	-
Hawaii.....	1	7	2	-	2	-	27	81	-	-	-
Puerto Rico.....	4	9	145	-	-	-	21	72	-	-	-
Virgin Islands.....	-	1	-	-	-	-	-	-	-	-	-

*Delayed reports: Measles: (1970) Me. 1, Okla. 2, (1971) S.C. 15
Mumps: (1970) N.H. 1, Okla. 2, (1971) S.C. 23, Alaska 1

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TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

JANUARY 23, 1971 AND JANUARY 24, 1970 (3rd WEEK)—CONTINUED

AREA	RUBELLA		TETANUS		TULAREMIA		TYPHOID FEVER		TYPHUS FEVER TICK-BORNE (Rky. Mt. Spotted)		RABIES IN ANIMALS	
	1971	Cum. 1971	1971	Cum. 1971	1971	Cum. 1971	1971	Cum. 1971	1971	Cum. 1971	1971	Cum. 1971
UNITED STATES.....	522	1,347	-	1	5	9	1	11	1	1	75	205
NEW ENGLAND.....	24	56	-	-	-	-	-	1	-	-	1	10
Maine.....	4	12	-	-	-	-	-	-	-	-	-	6
New Hampshire.....	-	-	-	-	-	-	-	-	-	-	-	-
Vermont.....	-	2	-	-	-	-	-	-	-	-	1	4
Massachusetts.....	9	22	-	-	-	-	-	1	-	-	-	-
Rhode Island.....	3	5	-	-	-	-	-	-	-	-	-	-
Connecticut.....	8	15	-	-	-	-	-	-	-	-	-	-
MIDDLE ATLANTIC.....	46	108	-	-	-	-	-	-	-	-	6	15
New York City.....	5	25	-	-	-	-	-	-	-	-	-	-
New York, Up-State..	6	17	-	-	-	-	-	-	-	-	6	15
New Jersey.....	6	13	-	-	-	-	-	-	-	-	-	-
Pennsylvania.....	29	53	-	-	-	-	-	-	-	-	-	-
EAST NORTH CENTRAL....	106	313	-	-	-	-	-	-	-	-	10	26
Ohio.....	7	23	-	-	-	-	-	-	-	-	-	2
Indiana.....	39	105	-	-	-	-	-	-	-	-	-	1
Illinois.....	8	19	-	-	-	-	-	-	-	-	3	9
Michigan.....	33	108	-	-	-	-	-	-	-	-	4	5
Wisconsin.....*	19	58	-	-	-	-	-	-	-	-	3	9
WEST NORTH CENTRAL....	21	67	-	-	-	-	-	-	-	-	19	56
Minnesota.....*	1	1	-	-	-	-	-	-	-	-	3	7
Iowa.....	15	53	-	-	-	-	-	-	-	-	7	28
Missouri.....	3	6	-	-	-	-	-	-	-	-	6	14
North Dakota.....	1	1	-	-	-	-	-	-	-	-	3	7
South Dakota.....	-	1	-	-	-	-	-	-	-	-	-	-
Nebraska.....	1	5	-	-	-	-	-	-	-	-	-	-
Kansas.....	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH ATLANTIC.....	29	87	-	1	5	7	1	4	-	-	7	20
Delaware.....	-	-	-	-	-	-	-	-	-	-	-	-
Maryland.....	2	5	-	-	-	2	-	2	-	-	-	-
Dist. of Columbia...	-	-	-	-	-	-	-	-	-	-	-	-
Virginia.....*	11	22	-	-	4	4	-	1	-	-	1	3
West Virginia.....	4	26	-	-	-	-	-	-	-	-	5	12
North Carolina.....	-	-	-	-	1	1	-	-	-	-	-	-
South Carolina.....*	1	4	-	-	-	-	-	-	-	-	-	-
Georgia.....	-	-	-	-	-	-	-	-	-	-	-	1
Florida.....	11	30	-	1	-	-	1	1	-	-	1	4
EAST SOUTH CENTRAL....	34	77	-	-	-	2	-	-	-	-	8	24
Kentucky.....	6	27	-	-	-	2	-	-	-	-	3	14
Tennessee.....	15	33	-	-	-	-	-	-	-	-	3	7
Alabama.....	9	11	-	-	-	-	-	-	-	-	2	3
Mississippi.....	4	6	-	-	-	-	-	-	-	-	-	-
WEST SOUTH CENTRAL....	51	204	-	-	-	-	-	-	1	1	16	35
Arkansas.....	-	4	-	-	-	-	-	-	-	-	1	4
Louisiana.....	1	5	-	-	-	-	-	-	-	-	1	2
Oklahoma.....	2	12	-	-	-	-	-	-	1	1	6	14
Texas.....	48	183	-	-	-	-	-	-	-	-	8	15
MOUNTAIN.....	59	106	-	-	-	-	-	-	-	-	-	-
Montana.....	3	4	-	-	-	-	-	-	-	-	-	-
Idaho.....	7	13	-	-	-	-	-	-	-	-	-	-
Wyoming.....	-	-	-	-	-	-	-	-	-	-	-	-
Colorado.....	34	40	-	-	-	-	-	-	-	-	-	-
New Mexico.....	6	16	-	-	-	-	-	-	-	-	-	-
Arizona.....	9	27	-	-	-	-	-	-	-	-	-	-
Utah.....	-	6	-	-	-	-	-	-	-	-	-	-
Nevada.....	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	152	329	-	-	-	-	-	6	-	-	8	19
Washington.....	22	79	-	-	-	-	-	-	-	-	-	-
Oregon.....	9	31	-	-	-	-	-	-	-	-	-	-
California.....	109	199	-	-	-	-	-	6	-	-	8	19
Alaska.....*	2	3	-	-	-	-	-	-	-	-	-	-
Hawaii.....	10	17	-	-	-	-	-	-	-	-	-	-
Puerto Rico.....	-	-	-	-	-	-	-	-	-	-	2	2
Virgin Islands.....	-	-	-	-	-	-	-	-	-	-	-	-

*Delayed reports: Rubella (1971): S.C. 2, Alaska 1
Typhoid fever (1970): Wis. 1
Tetanus (1970): Va. 1
Rabies in animals (1970): Minn. 3

Morbidity and Mortality Weekly Report

Week No. 3
TABLE IV. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED JANUARY 23, 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:	774	468	58	31	SOUTH ATLANTIC:	1,397	756	79	75
Boston, Mass.-----	246	153	27	6	Atlanta, Ga.-----	163	77	10	13
Bridgeport, Conn.-----	44	27	7	3	Baltimore, Md.-----	229	128	9	17
Cambridge, Mass.-----	33	24	6	2	Charlotte, N. C.-----	44	23	—	1
Fall River, Mass.-----	33	20	—	2	Jacksonville, Fla.-----	87	56	9	2
Hartford, Conn.-----	58	25	2	4	Miami, Fla.-----	77	39	3	1
Lowell, Mass.-----	24	14	1	3	Norfolk, Va.-----	70	39	8	6
Lynn, Mass.-----	17	14	1	—	Richmond, Va.-----	100	53	8	3
New Bedford, Mass.-----	33	16	2	1	Savannah, Ga.-----	49	23	5	—
New Haven, Conn.-----	63	33	1	6	St. Petersburg, Fla.-----	118	96	7	3
Providence, R. I.-----	57	40	4	2	Tampa, Fla.-----	64	39	3	4
Somerville, Mass.-----	13	9	4	1	Washington, D. C.-----	324	147	13	24
Springfield, Mass.-----	48	32	1	—	Wilmington, Del.-----	72	36	4	1
Waterbury, Conn.-----	37	19	1	—					
Worcester, Mass.-----	68	42	1	1	EAST SOUTH CENTRAL:	763	399	34	31
MIDDLE ATLANTIC:	3,682	2,180	131	164	Birmingham, Ala.-----	126	64	—	2
Albany, N. Y.-----	54	34	—	1	Chattanooga, Tenn.-----	78	39	6	2
Allentown, Pa.-----	37	28	3	1	Knoxville, Tenn.-----	35	22	2	—
Buffalo, N. Y.-----	131	78	1	3	Louisville, Ky.-----	137	86	12	4
Camden, N. J.-----	37	23	4	6	Memphis, Tenn.-----	184	88	4	9
Elizabeth, N. J.-----	40	28	2	—	Mobile, Ala.-----	57	25	1	3
Erie, Pa.-----	42	33	—	1	Montgomery, Ala.-----	41	18	5	2
Jersey City, N. J.-----	80	42	3	1	Nashville, Tenn.-----	105	57	4	9
Newark, N. J.-----	124	41	3	40	WEST SOUTH CENTRAL:	1,280	651	53	61
New York City, N. Y.-----	1,873	1,138	73	49	Austin, Tex.-----	50	24	2	—
Paterson, N. J.-----	43	24	6	6	Baton Rouge, La.-----	25	12	2	—
Philadelphia, Pa.-----	559	301	1	27	Corpus Christi, Tex.-----	34	18	—	1
Pittsburgh, Pa.-----	212	114	9	9	Dallas, Tex.-----	189	94	7	14
Reading, Pa.-----	46	30	—	2	El Paso, Tex.-----	50	31	3	4
Rochester, N. Y.-----	109	72	8	7	Fort Worth, Tex.-----	80	46	8	9
Schenectady, N. Y.-----	24	17	5	—	Houston, Tex.-----	227	99	5	4
Scranton, Pa.-----	33	23	1	1	Little Rock, Ark.-----	56	31	3	3
Syracuse, N. Y.-----	98	70	4	4	New Orleans, La.-----	177	82	7	4
Trenton, N. J.-----	71	43	6	4	Oklahoma City, Okla.-----	108	51	3	9
Utica, N. Y.-----	33	20	—	—	San Antonio, Tex.-----	132	72	3	7
Yonkers, N. Y.-----	36	21	2	2	Shreveport, La.-----	75	49	4	—
					Tulsa, Okla.-----	77	42	6	6
EAST NORTH CENTRAL:	2,804	1,663	93	147	MOUNTAIN:	543	315	22	28
Akron, Ohio-----	60	40	—	3	Albuquerque, N. Mex.-----	67	35	6	2
Canton, Ohio-----	43	30	3	4	Colorado Springs, Colo.-----	36	21	4	3
Chicago, Ill.-----	762	440	27	44	Denver, Colo.-----	133	75	2	12
Cincinnati, Ohio-----	195	111	9	11	Ogden, Utah-----	23	14	2	—
Cleveland, Ohio-----	178	110	5	12	Phoenix, Ariz.-----	124	73	—	2
Columbus, Ohio-----	182	103	—	8	Pueblo, Colo.-----	34	17	5	3
Dayton, Ohio-----	122	71	—	4	Salt Lake City, Utah-----	51	31	1	4
Detroit, Mich.-----	353	185	10	20	Tucson, Ariz.-----	75	49	2	2
Evansville, Ind.-----	51	35	2	—	PACIFIC:	1,994	1,212	60	80
Flint, Mich.-----	62	40	1	5	Berkeley, Calif.-----	28	20	1	—
Fort Wayne, Ind.-----	41	24	3	3	Fresno, Calif.-----	62	34	—	6
Gary, Ind.-----	38	18	5	3	Glendale, Calif.-----	34	21	—	—
Grand Rapids, Mich.-----	62	42	7	3	Honolulu, Hawaii-----	75	31	1	6
Indianapolis, Ind.-----	164	91	3	8	Long Beach, Calif.-----	121	77	3	3
Madison, Wis.-----	38	21	2	1	Los Angeles, Calif.-----	654	402	23	17
Milwaukee, Wis.-----	143	103	1	1	Oakland, Calif.-----	114	59	2	14
Peoria, Ill.-----	44	31	—	2	Pasadena, Calif.-----	47	33	—	2
Rockford, Ill.-----	44	31	3	3	Portland, Oreg.-----	139	96	8	5
South Bend, Ind.-----	50	32	3	2	Sacramento, Calif.-----	76	39	3	3
Toledo, Ohio-----	124	73	9	8	San Diego, Calif.-----	125	80	7	8
Youngstown, Ohio-----	48	32	—	2	San Francisco, Calif.-----	214	128	5	4
WEST NORTH CENTRAL:	934	582	41	44	San Jose, Calif.-----	52	36	2	2
Des Moines, Iowa-----	65	45	3	2	Seattle, Wash.-----	156	91	2	9
Duluth, Minn.-----	25	19	1	1	Spokane, Wash.-----	48	29	1	1
Kansas City, Kans.-----	37	22	2	3	Tacoma, Wash.-----	49	36	2	—
Kansas City, Mo.-----	139	83	8	6					
Lincoln, Nebr.-----	32	27	1	—	Total	14,171	8,226	571	661
Minneapolis, Minn.-----	115	68	4	3	Expected Number	13,686	8,004	573	573
Omaha, Nebr.-----	92	55	2	3	Cumulative Total	44,534	25,836	1,762	2,187
St. Louis, Mo.-----	279	162	12	20	(includes reported corrections for previous weeks)				
St. Paul, Minn.-----	71	46	—	3					
Wichita, Kans.-----	79	55	8	3					
Las Vegas, Nev.*	24	11	1	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 January 16, 1971

INTERNATIONAL NOTES
INFLUENZA - United Kingdom

For the week ending Jan. 8, 1971, there have been no isolations of influenza A virus in the United Kingdom. Only three cases were reported in which there was serological evidence of infection with this virus; all patients lived in different localities. Four cases with influenza B virus infection were reported. One patient was from Northern Ireland, two from the Birmingham area, and one from Leeds.

A strain of influenza A virus (A2/England/878/69),

which was first isolated in England last winter, showed a slight antigenic difference from the original A2/Hong Kong/68 strain. This A2/England/878/69 strain has since been isolated in France, New Zealand, Portugal, and Singapore. (From notes based on reports to the Public Health Laboratory Service from Public Health and Hospital Laboratories in the United Kingdom and Republic of Ireland, published in the British Medical Journal Jan. 23, 1971.)

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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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