



Morbidity and Mortality

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U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

PUBLIC HEALTH SERVICE

BUREAU OF DISEASE PREVENTION AND ENVIRONMENTAL CONTROL

CURRENT TRENDS INFLUENZA - Recent Reports

For the week ending December 23, 1967, reports from 24 states indicate that outbreaks of influenza-like illness are occurring, manifested primarily by an increase in school absenteeism. Documentation of influenza activity is not yet available in 14 of these states: Arkansas, Indiana, Louisiana, Maryland, Mississippi, Missouri, Nebraska, North Carolina, Ohio, Pennsylvania, South Carolina, Tennessee, Virginia, and Wisconsin. In all the states, the outbreaks have been focal and sporadic (Figure 1). In addition to the six states that had documented influenza activity as of last week (MMWR, Vol. 16, No. 50), Georgia,

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Illinois, Iowa, and Kansas have recently documented outbreaks (Figure 2).

In Illinois, there have been four isolations of A2 influenza viruses, three from specimens taken from students at the University of Chicago and one taken from an outbreak of febrile respiratory illness in southern Illinois.

(Continued on page 430)

TABLE 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
(Cumulative totals include revised and delayed reports through previous weeks)

DISEASE	51st WEEK ENDED		MEDIAN 1962 - 1966	CUMULATIVE, FIRST 51 WEEKS		
	DECEMBER 23, 1967	DECEMBER 24, 1966		1967	1966	MEDIAN 1962 - 1966
Aseptic meningitis	20	48	39	2,940	2,915	2,115
Brucellosis	—	4	8	242	243	375
Diphtheria	3	7	7	202	195	288
Encephalitis, primary:						
Arthropod-borne & unspecified	14	32	---	1,538	2,115	---
Encephalitis, post-infectious	11	8	---	749	706	---
Hepatitis, serum	37	36	664	2,302	1,463	37,137
Hepatitis, infectious	755	613	3	38,001	31,888	103
Malaria	35	13	3	2,056	509	384,305
Measles (rubeola)	262	998	3,252	61,798	201,778	2,762
Meningococcal infections, total	33	47	50	2,105	3,335	---
Civilian	32	41	---	1,975	3,010	---
Military	1	6	---	130	325	---
Poliomyelitis, total	—	1	1	41	99	115
Paralytic	—	1	1	28	93	93
Rubella (German measles)	375	362	---	43,853	45,665	---
Streptococcal sore throat & scarlet fever	7,421	8,548	6,985	437,454	413,412	381,811
Tetanus	3	7	3	226	198	273
Tularemia	—	4	8	165	180	287
Typhoid fever	—	4	6	393	368	448
Typhus, tick-borne (Rky. Mt. spotted fever)	1	1	1	298	252	224
Rabies in animals	36	41	42	4,087	3,908	3,908

TABLE 2. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax	2	Rabies in man	2
Botulism: N.Y.C.-2	5	Rubella, Congenital Syndrome	9
Leptospirosis	45	Trichinosis: Mont.-1	60
Plague	3	Typhus, murine	43
Psittacosis	44	Polio, Unsp.	13

No report from Texas due to Monday and Tuesday holidays.

INFLUENZA - Recent Reports (Continued from front page)

Figure 1

REPORTED INFLUENZA-LIKE DISEASE BY COUNTY
UNITED STATES - OCTOBER 29-DECEMBER 27, 1967

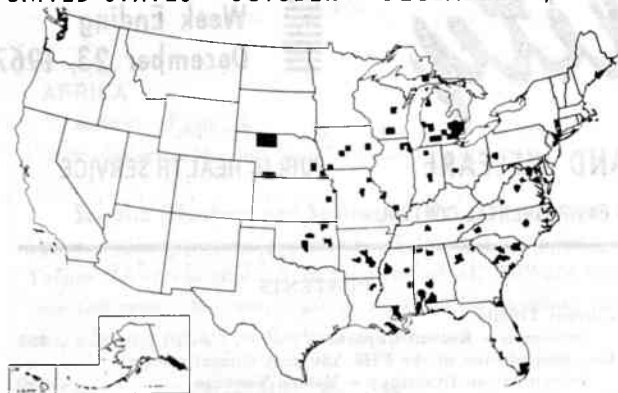


Figure 2

INCIDENCE OF INFLUENZA AND INFLUENZA-LIKE
DISEASE BY STATE AS REPORTED TO NCDC
OCTOBER 29-DECEMBER 27, 1967



In Kansas, complement fixation tests on groups of acute and convalescent sera taken from a Kansas City high school show a significant rise in geometric mean titer against the soluble influenza A group antigen but not against the soluble influenza B group antigen. In addition, the NCDC Kansas City Field Station has isolated an A2 influenza virus from an outbreak in Franklin County.

Four counties in Iowa have reported influenza-like illnesses resulting in abnormal increases in school absenteeism. Paired sera from persons in two of these outbreaks have demonstrated diagnostic rises in complement-fixing influenza A antibody. One of these two sets of sera have also demonstrated diagnostic rises in hemagglutination inhibition influenza A2 antibody.

In Georgia, an A2 influenza virus has been isolated from the Atlanta area by the Influenza Laboratory of the Respiratory Virus Infections Unit of NCDC.

In Missouri, there have been focal outbreaks of febrile respiratory illness beginning in the week of December 4, 1967. In St. Louis, six out of nine throat smears from ill patients at a city hospital were positive by the experimental fluorescent antibody technique. This is presumptive evidence for A influenza activity in the St. Louis area.

There have also been focal outbreaks of influenza-like illness in Louisiana. Positive throat smears have been

obtained from two outbreaks using the experimental fluorescent antibody technique.

Two additional isolations of A2 influenza virus have been reported by the New York City Health Department. Additional outbreaks of influenza-like illness have been reported from Alabama, Florida, New Jersey, and Oklahoma.

To date there has been no excess mortality for the country as a whole or for any of the nine geographic divisions. Mortality figures in the holiday season are often unrepresentative, however, and a clearer picture may be available in approximately 3 weeks.

(Reported by Dr. John E. McCroan, Georgia Department of Public Health; Dr. Norman J. Rose and Richard Morrissey, M.P.H., Illinois Department of Public Health; Dr. Arnold M. Reeve, Iowa State Department of Health; Dr. W. J. Hausler, Jr., Iowa State Hygienic Laboratory; Dr. Donald E. Wilcox, Kansas State Department of Health; Dr. Charles T. Caraway and Dr. George H. Hauser, Louisiana State Department of Health; Dr. William J. Magabgab, Professor of Medicine, Tulane University, Louisiana; Dr. E. A. Belden, Missouri Department of Public Health and Welfare; Dr. Valgard Jonsson, Public Health Laboratory, City of St. Louis, Missouri; Dr. Tibor Fodor and Dr. Stephen Milian, New York City Health Department.)

RECOMMENDATION OF THE PUBLIC HEALTH SERVICE ADVISORY COMMITTEE ON IMMUNIZATION PRACTICES

The Public Health Service Advisory Committee on Immunization Practices meeting on October 12, 1967, reviewed all available data on the recently developed live attenuated mumps virus vaccine and prepared the following recommendations on its use in public health and preventive medical programs. Publication of the recommendations has been planned to coincide approximately with vaccine licensure when the comments would be most pertinent.

MUMPS VACCINE

Introduction

A live attenuated mumps virus vaccine* has recently become available for general use. It is, therefore, appropriate

to describe the circumstances under which this vaccine might be considered for use.

Mumps, one of the common communicable diseases, is observed with greatest frequency in young school-age children. However, approximately 15 percent of reported cases occur after the onset of puberty. Overt evidence of central nervous system disease with sequelae is rare, although meningeal involvement appears to be common. Orchitis has been reported in up to 20 percent of the clinical mumps cases occurring in post-pubertal males. Symptomatic involvement of other glands and organs is observed less frequently.

All naturally acquired mumps infections, including the estimated 30 percent which are subclinical, confer durable immunity.

Live Mumps Vaccine

Live mumps vaccine is prepared in chick embryo cell culture. It produces an inapparent, noncommunicable infection following administration. Febrile reactions and mumps-like symptoms have not been associated with the vaccine.

More than 95 percent of susceptible vaccinees develop detectable antibodies after vaccination, although titers are lower than those induced by natural infection. The pattern of antibody persistence parallels that seen following clinical mumps although at a lower level. The long-term duration of antibody is unknown at the present time; individuals have been observed for only two years following vaccination because the vaccine is a recent development.

Excellent protection against naturally occurring mumps has been documented in vaccinees for the first year after vaccination. Limited data on natural exposure during the second year indicate continuing protection.

Recommendations for Vaccine Use

Live mumps vaccine may be considered for use in children approaching puberty, in adolescents, and in adults, especially males, if they have not had mumps.** The vaccine is not specifically contraindicated for younger children, but until more information on the duration of immunity is available, the vaccine is not recommended for routine use. Furthermore, mumps immunization should not be allowed to compromise the effectiveness of public health programs of already established importance.

Age

Live mumps vaccine should not be administered to children less than 12 months of age because of the possible persistence of interfering maternal antibody.

High Risk Groups

Epidemic mumps can be particularly disruptive to normal routine in large groups of susceptible individuals. Children living in institutions, for example, might benefit from vaccination against the disease.

Prevention of Natural Mumps Following Exposure

Adults and adolescents who are susceptible to mumps by clinical history present a perplexing medical problem when exposed to mumps.*** It is not now known if live mumps vaccine will provide protection when administered after exposure. There is, however, no contraindication to its use at that time.

Precautions in Using Live Mumps Vaccine

Severe Febrile Illnesses

Vaccination should be postponed until the patient is completely recovered.

Marked Hypersensitivity to Vaccine Components

Mumps vaccine is produced in chick embryo cell culture and should not be given to persons hypersensitive to ingested egg proteins. Also, the vaccine contains small amounts of neomycin, so it should not be given to individuals known to be sensitive to this antibiotic.

Leukemia, Lymphomas, and Other

Generalized Malignancies

Theoretically, attenuated mumps virus infection might be potentiated by other severe underlying diseases, such as lymphomas and generalized malignancies.

Altered Resistance from Therapy

Steroids, alkylating drugs, antimetabolites, and radiation may predispose to untoward complications due to altered resistance.

Pregnancy

Mumps virus infection is not known to exert any untoward effects on the developing fetus. It is reasonable on theoretical grounds, however, to avoid using the live mumps vaccine during pregnancy.

Simultaneous Administration of Live Mumps Vaccine With Other Antigens

In order to evaluate the live mumps vaccine adequately, its simultaneous administration with other vaccines should be deferred until results of controlled clinical investigations are available. Until then, it is recommended that mumps vaccination be separated from other immunization procedures by about one month whenever possible.

Continued Surveillance

Careful surveillance of mumps is particularly important now that an effective vaccine is available. There is need to emphasize improved reporting of mumps cases, complications of cases, patterns of vaccine use, effectiveness of vaccine after exposure to natural infection, and general vaccine performance. These data will help to delineate the epidemiologic characteristics of the disease and to define future use of the vaccine.

*Official name: Mumps virus vaccine, live.

**The single individual dose recommended by the manufacturer should be employed.

***Inactivated mumps vaccine and mumps hyperimmune globulin are of questionable effectiveness under these circumstances.

AREA	ASEPTIC MENINGITIS		BRUCELLOSIS	DIPHTHERIA	ENCEPHALITIS			HEPATITIS			
					Primary including unsp. cases		Post- Infectious	Serum		Infectious	
	1967	1966			1967	1967	1966	1967	1967	1966	1967
UNITED STATES...	20	48	-	3	14	32	11	37	36	755	613
NEW ENGLAND.....	-	-	-	-	3	-	1	2	-	42	41
Maine.....	-	-	-	-	-	-	-	-	-	3	3
New Hampshire.....	-	-	-	-	-	-	-	-	-	2	1
Vermont.....	-	-	-	-	-	-	-	-	-	-	1
Massachusetts.....	-	-	-	-	1	-	1	-	-	16	20
Rhode Island.....	-	-	-	-	2	-	-	2	-	5	1
Connecticut.....	-	-	-	-	-	-	-	-	-	16	15
MIDDLE ATLANTIC.....	1	8	-	-	1	6	1	6	27	109	112
New York City.....	1	3	-	-	-	4	-	4	18	16	19
New York, up-State.....	-	-	-	-	-	-	-	-	-	33	27
New Jersey.....	-	4	-	-	-	1	-	2	5	20	19
Pennsylvania.....	-	1	-	-	1	1	1	-	4	40	47
EAST NORTH CENTRAL...	4	5	-	-	7	5	1	1	-	120	127
Ohio.....	-	1	-	-	2	3	-	-	-	46	23
Indiana.....	-	-	-	-	-	-	-	-	-	18	8
Illinois.....	-	2	-	-	-	2	1	-	-	19	26
Michigan.....	4	1	-	-	5	-	-	1	-	36	53
Wisconsin.....	-	1	-	-	-	-	-	-	-	1	17
WEST NORTH CENTRAL...	1	3	-	-	-	3	1	1	1	47	43
Minnesota.....	-	1	-	-	-	-	1	1	1	23	8
Iowa.....	1	-	-	-	-	1	-	-	-	6	10
Missouri.....	-	-	-	-	-	2	-	-	-	9	17
North Dakota.....	-	-	-	-	-	-	-	-	-	-	-
South Dakota.....	-	-	-	-	-	-	-	-	-	-	-
Nebraska.....	-	-	-	-	-	-	-	-	-	3	1
Kansas.....	-	2	-	-	-	-	-	-	-	6	7
SOUTH ATLANTIC.....	1	9	-	2	-	9	2	-	1	73	56
Delaware.....	-	-	-	-	-	-	-	-	-	-	5
Maryland.....	-	1	-	-	-	3	1	-	1	10	12
Dist. of Columbia..	-	-	-	-	-	-	-	-	-	-	-
Virginia.....	-	1	-	-	-	1	-	-	-	10	16
West Virginia.....	1	1	-	-	-	1	-	-	-	4	9
North Carolina.....	-	4	-	-	-	1	-	-	-	2	3
South Carolina.....	-	-	-	-	-	1	-	-	-	-	-
Georgia.....	-	-	-	2	-	-	-	-	-	41	3
Florida.....	-	2	-	-	-	2	1	-	-	6	8
EAST SOUTH CENTRAL...	2	7	-	1	3	-	-	-	-	61	26
Kentucky.....	2	-	-	-	-	-	-	-	-	33	4
Tennessee.....	-	3	-	-	3	-	-	-	-	18	14
Alabama.....	-	-	-	1	-	-	-	-	-	4	1
Mississippi.....	-	4	-	-	-	-	-	-	-	6	7
WEST SOUTH CENTRAL...	-	5	-	-	-	2	-	-	1	43	36
Arkansas.....	-	-	-	-	-	-	-	-	-	6	1
Louisiana.....	-	2	-	-	-	-	-	-	1	14	7
Oklahoma.....	-	1	-	-	-	1	-	-	-	23	1
Texas.....	---	2	---	---	---	1	---	---	-	---	27
MOUNTAIN.....	-	-	-	-	-	1	-	-	-	65	33
Montana.....	-	-	-	-	-	-	-	-	-	6	3
Idaho.....	-	-	-	-	-	-	-	-	-	1	5
Wyoming.....	-	-	-	-	-	-	-	-	-	-	-
Colorado.....	-	-	-	-	-	1	-	-	-	7	2
New Mexico.....	-	-	-	-	-	-	-	-	-	5	9
Arizona.....	-	-	-	-	-	-	-	-	-	41	9
Utah.....	-	-	-	-	-	-	-	-	-	5	5
Nevada.....	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	11	11	-	-	-	6	5	27	6	195	139
Washington.....	-	3	-	-	-	-	-	-	-	16	11
Oregon.....	-	-	-	-	-	1	-	3	-	20	33
California.....	9	8	-	-	-	5	5	24	6	155	92
Alaska.....	-	-	-	-	-	-	-	-	-	2	-
Hawaii.....	2	-	-	-	-	-	-	-	-	2	3
Puerto Rico	-	1	-	-	-	-	-	-	-	15	8

TABLE 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

DECEMBER 23, 1967 AND DECEMBER 24, 1966 (51st WEEK) - CONTINUED

AREA	MALARIA	MEASLES (Rubeola)		MENINGOCOCCAL INFECTIONS, TOTAL			POLIOMYELITIS			RUBELLA	
	1967	1967	Cumulative		1967	Cumulative		Total	Paralytic		
			1967	1966		1967	1966	1967	1967	Cum. 1967	
UNITED STATES...	35	262	61,798	201,778	33	2,105	3,335	-	-	28	375
NEW ENGLAND.....	-	16	954	2,584	2	84	154	-	-	-	42
Maine.....	-	-	262	301	-	3	12	-	-	-	3
New Hampshire.....	-	-	78	80	-	4	11	-	-	-	-
Vermont.....	-	-	42	345	1	2	4	-	-	-	-
Massachusetts.....	-	14	409	836	1	38	62	-	-	-	21
Rhode Island.....	-	-	62	75	-	6	21	-	-	-	1
Connecticut.....	-	2	101	947	-	31	44	-	-	-	17
MIDDLE ATLANTIC.....	2	62	2,621	18,600	6	354	442	-	-	5	33
New York City.....	1	3	523	8,376	1	68	65	-	-	1	17
New York, Up-State.....	-	15	656	2,680	3	87	115	-	-	1	5
New Jersey.....	-	41	652	2,028	-	113	137	-	-	-	10
Pennsylvania.....	1	3	790	5,516	2	86	125	-	-	3	1
EAST NORTH CENTRAL...	-	67	6,295	70,488	4	290	532	-	-	6	139
Ohio.....	-	16	1,218	6,471	1	95	157	-	-	-	45
Indiana.....	-	4	673	5,832	-	31	88	-	-	3	8
Illinois.....	-	3	1,242	11,538	1	67	96	-	-	-	16
Michigan.....	-	13	1,039	15,186	2	76	135	-	-	3	39
Wisconsin.....	-	31	2,123	31,461	-	21	56	-	-	-	31
WEST NORTH CENTRAL...	-	7	3,003	9,344	1	101	177	-	-	3	20
Minnesota.....	-	-	139	1,688	-	22	40	-	-	-	2
Iowa.....	-	3	818	5,463	-	22	23	-	-	1	7
Missouri.....	-	-	340	539	1	22	66	-	-	-	1
North Dakota.....	-	1	891	1,414	-	3	11	-	-	-	2
South Dakota.....	-	-	58	40	-	7	6	-	-	-	-
Nebraska.....	-	-	660	200	-	15	12	-	-	-	8
Kansas.....	1	3	97	NN	-	10	19	-	-	2	-
SOUTH ATLANTIC.....	3	38	7,385	16,268	8	414	564	-	-	2	21
Delaware.....	-	-	51	267	-	8	7	-	-	-	-
Maryland.....	-	2	182	2,126	1	57	53	-	-	1	2
Dist. of Columbia..	-	1	26	390	1	16	15	-	-	-	-
Virginia.....	-	16	2,342	2,273	2	47	71	-	-	-	1
West Virginia.....	-	7	1,484	5,562	-	38	44	-	-	-	7
North Carolina.....	3	4	939	786	2	88	142	-	-	1	-
South Carolina.....	-	-	514	664	1	34	55	-	-	-	-
Georgia.....	-	-	42	244	-	60	77	-	-	-	-
Florida.....	-	8	1,805	3,956	1	66	100	-	-	-	11
EAST SOUTH CENTRAL...	21	9	5,518	20,745	2	168	284	-	-	2	12
Kentucky.....	19	1	1,433	4,869	1	48	97	-	-	-	-
Tennessee.....	-	7	2,050	12,705	1	74	96	-	-	-	12
Alabama.....	2	-	1,357	1,808	-	29	62	-	-	-	-
Mississippi.....	-	1	678	1,363	-	17	29	-	-	2	-
WEST SOUTH CENTRAL...	3	3	18,129	27,172	2	261	444	-	-	10	-
Arkansas.....	-	-	1,404	1,182	-	41	37	-	-	1	-
Louisiana.....	-	3	159	103	2	104	170	-	-	1	-
Oklahoma.....	3	-	3,359	666	-	18	23	-	-	1	-
Texas.....	---	---	13,207	25,221	---	98	214	---	---	7	---
MOUNTAIN.....	-	12	4,907	12,712	-	40	94	-	-	-	15
Montana.....	-	3	337	1,933	-	5	5	-	-	-	4
Idaho.....	-	4	409	1,711	-	3	5	-	-	-	3
Wyoming.....	-	2	206	235	-	1	6	-	-	-	-
Colorado.....	-	-	1,632	1,435	-	13	49	-	-	-	5
New Mexico.....	-	2	609	1,269	-	5	10	-	-	-	-
Arizona.....	-	1	1,060	5,376	-	6	13	-	-	-	1
Utah.....	-	-	385	686	-	4	1	-	-	-	2
Nevada.....	-	-	269	67	-	3	5	-	-	-	-
PACIFIC.....	5	48	12,986	23,865	8	393	644	-	-	-	93
Washington.....	2	7	5,681	5,285	-	38	58	-	-	-	25
Oregon.....	-	7	1,713	2,547	1	31	43	-	-	-	20
California.....	3	34	5,269	15,222	7	309	521	-	-	-	37
Alaska.....	-	-	141	646	-	11	18	-	-	-	11
Hawaii.....	-	-	182	165	-	4	4	-	-	-	-
Puerto Rico.....	-	1	2,243	3,509	-	15	19	-	-	-	-

Morbidity and Mortality Weekly Report

TABLE 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED

DECEMBER 23, 1967 AND DECEMBER 24, 1966 (51st WEEK) - CONTINUED

AREA	STREPTOCOCCAL SORE THROAT & SCARLET FEVER	TETANUS		TULAREMIA		TYPHOID		TYPHUS FEVER TICK-BORNE (Rky. Mt. Spotted)		RABIES IN ANIMALS	
	1967	1967	Cum. 1967	1967	Cum. 1967	1967	Cum. 1967	1967	Cum. 1967	1967	Cum. 1967
UNITED STATES...	7,421	3	226	-	165	-	393	1	298	36	4,087
NEW ENGLAND.....	1,181	-	3	-	1	-	10	-	1	2	106
Maine.....	36	-	-	-	-	-	-	-	-	-	24
New Hampshire.....	19	-	-	-	-	-	-	-	-	-	48
Vermont.....	24	-	-	-	-	-	-	-	-	2	27
Massachusetts.....	337	-	1	-	1	-	6	-	1	-	5
Rhode Island.....	89	-	-	-	-	-	1	-	-	-	2
Connecticut.....	676	-	2	-	-	-	3	-	-	-	-
MIDDLE ATLANTIC.....	317	-	16	-	1	-	40	-	35	2	102
New York City.....	14	-	9	-	-	-	21	-	-	-	-
New York, Up-State.....	266	-	1	-	1	-	11	-	9	2	86
New Jersey.....	NN	-	1	-	-	-	4	-	15	-	-
Pennsylvania.....	37	-	5	-	-	-	4	-	11	-	16
EAST NORTH CENTRAL...	971	-	27	-	15	-	43	-	22	2	378
Ohio.....	111	-	4	-	-	-	15	-	11	-	131
Indiana.....	189	-	3	-	2	-	11	-	1	-	86
Illinois.....	164	-	13	-	13	-	7	-	10	1	72
Michigan.....	292	-	6	-	-	-	8	-	-	1	25
Wisconsin.....	215	-	1	-	-	-	2	-	-	-	64
WEST NORTH CENTRAL...	182	-	17	-	23	-	21	-	4	5	963
Minnesota.....	41	-	6	-	-	-	2	-	1	2	193
Iowa.....	44	-	2	-	2	-	3	-	-	1	134
Missouri.....	3	-	7	-	9	-	10	-	1	-	172
North Dakota.....	36	-	-	-	-	-	-	-	-	1	170
South Dakota.....	39	-	1	-	2	-	-	-	-	-	116
Nebraska.....	4	-	-	-	-	-	4	-	2	1	71
Kansas.....	15	-	1	-	10	-	2	-	-	-	107
SOUTH ATLANTIC.....	1,015	1	48	-	12	-	63	1	120	9	485
Delaware.....	6	-	-	-	-	-	-	-	-	-	-
Maryland.....	166	-	-	-	-	-	2	-	21	-	4
Dist. of Columbia..	23	-	-	-	-	-	3	-	-	-	6
Virginia.....	254	1	11	-	2	-	9	-	28	4	209
West Virginia.....	183	-	1	-	2	-	2	-	1	-	62
North Carolina.....	46	-	8	-	-	-	4	-	47	-	3
South Carolina.....	58	-	1	-	2	-	10	-	5	-	2
Georgia.....	9	-	4	-	5	-	21	1	18	3	119
Florida.....	270	-	23	-	1	-	12	-	-	2	80
EAST SOUTH CENTRAL...	1,272	1	34	-	13	-	65	-	53	7	785
Kentucky.....	13	-	4	-	2	-	24	-	15	7	184
Tennessee.....	1,167	-	8	-	8	-	12	-	26	-	540
Alabama.....	33	1	12	-	1	-	12	-	12	-	51
Mississippi.....	59	-	10	-	2	-	17	-	-	-	10
WEST SOUTH CENTRAL...	88	1	55	-	83	-	43	-	43	7	909
Arkansas.....	9	-	6	-	48	-	13	-	14	2	115
Louisiana.....	2	1	5	-	8	-	17	-	2	-	70
Oklahoma.....	77	-	4	-	20	-	8	-	16	5	359
Texas.....	---	---	40	---	7	---	5	---	11	---	365
MOUNTAIN.....	1,200	-	3	-	11	-	22	-	9	-	115
Montana.....	54	-	-	-	2	-	2	-	-	-	-
Idaho.....	92	-	-	-	-	-	-	-	-	-	-
Wyoming.....	86	-	-	-	2	-	1	-	-	-	5
Colorado.....	738	-	2	-	1	-	12	-	9	-	10
New Mexico.....	62	-	1	-	-	-	3	-	-	-	34
Arizona.....	112	-	-	-	-	-	4	-	-	-	54
Utah.....	56	-	-	-	6	-	-	-	-	-	3
Nevada.....	-	-	-	-	-	-	-	-	-	-	9
PACIFIC.....	1,195	-	23	-	6	-	86	-	11	2	244
Washington.....	140	-	-	-	2	-	2	-	2	-	2
Oregon.....	150	-	1	-	1	-	3	-	3	-	4
California.....	851	-	18	-	3	-	78	-	6	2	238
Alaska.....	46	-	-	-	-	-	-	-	-	-	-
Hawaii.....	8	-	4	-	-	-	3	-	-	-	-
Puerto Rico.....	4	-	18	-	-	-	8	-	-	-	35

Morbidity and Mortality Weekly Report

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Week No. TABLE 4. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED DECEMBER 23, 1967

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(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:	745	459	38	40	SOUTH ATLANTIC:	1,194	638	53	55
Boston, Mass.-----	241	144	13	12	Atlanta, Ga.-----	163	86	7	6
Bridgeport, Conn.-----	40	23	6	2	Baltimore, Md.-----	250	134	10	10
Cambridge, Mass.-----	29	19	-	-	Charlotte, N. C.-----	46	17	1	3
Fall River, Mass.-----	32	21	-	-	Jacksonville, Fla.-----	62	28	5	2
Hartford, Conn.-----	55	32	1	5	Miami, Fla.-----	126	72	1	7
Lowell, Mass.-----	39	29	4	2	Norfolk, Va.-----	54	30	9	3
Lynn, Mass.-----	28	21	-	1	Richmond, Va.-----	71	38	1	1
New Bedford, Mass.-----	23	14	1	2	Savannah, Ga.-----	32	15	1	2
New Haven, Conn.-----	52	28	1	8	St. Petersburg, Fla.-----	63	47	4	-
Providence, R. I.-----	49	29	-	1	Tampa, Fla.-----	58	37	8	3
Somerville, Mass.-----	16	11	2	2	Washington, D. C.-----	225	109	6	13
Springfield, Mass.-----	61	38	5	3	Wilmington, Del.-----	44	25	-	5
Waterbury, Conn.-----	28	17	-	1					
Worcester, Mass.-----	52	33	5	1	EAST SOUTH CENTRAL:	668	369	37	36
MIDDLE ATLANTIC:	3,632	2,184	162	121	Birmingham, Ala.-----	103	59	1	6
Albany, N. Y.-----	62	32	-	-	Chattanooga, Tenn.-----	54	32	6	1
Allentown, Pa.-----	40	27	3	-	Knoxville, Tenn.-----	30	17	2	1
Buffalo, N. Y.-----	170	93	2	9	Louisville, Ky.-----	101	57	11	5
Camden, N. J.-----	43	19	5	4	Memphis, Tenn.-----	175	98	4	12
Elizabeth, N. J.-----	39	23	1	1	Mobile, Ala.-----	65	33	3	2
Erie, Pa.-----	41	26	-	1	Montgomery, Ala.-----	33	16	4	2
Jersey City, N. J.-----	74	39	5	4	Nashville, Tenn.-----	107	57	6	7
Newark, N. J.-----	77	40	4	4	WEST SOUTH CENTRAL:	1,112	579	49	86
New York City, N. Y.-----	1,938	1,191	101	51	Austin, Tex.-----	38	19	5	2
Paterson, N. J.-----	37	17	2	4	Baton Rouge, La.-----	50	25	3	5
Philadelphia, Pa.-----	487	278	12	23	Corpus Christi, Tex.-----	24	14	1	6
Pittsburgh, Pa.-----	208	124	2	9	Dallas, Tex.-----	172	79	6	14
Reading, Pa.-----	55	42	3	-	El Paso, Tex.-----	47	26	1	3
Rochester, N. Y.-----	106	68	3	2	Fort Worth, Tex.-----	95	46	1	8
Schenectady, N. Y.-----	41	24	1	-	Houston, Tex.-----	184	94	4	17
Scranton, Pa.-----	38	26	1	-	Little Rock, Ark.-----	57	34	2	9
Syracuse, N. Y.-----	57	31	1	6	New Orleans, La.-----	149	73	6	8
Trenton, N. J.-----	49	26	1	2	Oklahoma City, Okla.-----	66	39	1	4
Utica, N. Y.-----	37	35	8	-	San Antonio, Tex.-----	123	74	6	6
Yonkers, N. Y.-----	33	23	7	-	Shreveport, La.-----	56	31	10	1
					Tulsa, Okla.-----	51	25	3	3
EAST NORTH CENTRAL:	2,832	1,659	103	147	MOUNTAIN:	430	261	23	13
Akron, Ohio-----	73	38	-	5	Albuquerque, N. Mex.-----	44	22	5	3
Canton, Ohio-----	21	11	-	1	Colorado Springs, Colo.-----	34	19	3	3
Chicago, Ill.-----	899	509	43	41	Denver, Colo.-----	128	82	2	3
Cincinnati, Ohio-----	151	91	2	13	Ogden, Utah-----	21	13	4	-
Cleveland, Ohio-----	207	105	1	9	Phoenix, Ariz.-----	59	35	1	3
Columbus, Ohio-----	138	85	3	2	Pueblo, Colo.-----	25	15	3	-
Dayton, Ohio-----	66	38	1	6	Salt Lake City, Utah-----	64	42	1	1
Detroit, Mich.-----	452	275	15	24	Tucson, Ariz.-----	55	33	4	-
Evansville, Ind.-----	41	28	-	1	PACIFIC:	1,733	1,094	38	67
Flint, Mich.-----	59	32	1	5	Berkeley, Calif.-----	25	16	-	-
Fort Wayne, Ind.-----	42	24	5	2	Fresno, Calif.-----	47	29	2	-
Gary, Ind.-----	46	24	3	2	Glendale, Calif.-----	41	29	2	1
Grand Rapids, Mich.-----	54	38	7	1	Honolulu, Hawaii-----	53	31	-	2
Indianapolis, Ind.-----	173	108	3	14	Long Beach, Calif.-----	76	47	7	9
Madison, Wis.-----	18	8	-	1	Los Angeles, Calif.-----	520	328	7	20
Milwaukee, Wis.-----	102	69	3	3	Oakland, Calif.-----	87	55	3	1
Peoria, Ill.-----	44	32	4	2	Pasadena, Calif.-----	40	27	-	3
Rockford, Ill.-----	45	24	4	5	Portland, Oreg.-----	132	86	3	6
South Bend, Ind.-----	35	18	2	1	Sacramento, Calif.-----	63	35	3	1
Toledo, Ohio-----	111	68	6	9	San Diego, Calif.-----	112	68	2	6
Youngstown, Ohio-----	55	34	-	-	San Francisco, Calif.-----	211	132	2	5
WEST NORTH CENTRAL:	864	522	27	42	San Jose, Calif.-----	55	41	-	3
Des Moines, Iowa-----	64	42	4	3	Seattle, Wash.-----	172	103	4	4
Duluth, Minn.-----	41	22	-	1	Spokane, Wash.-----	57	42	2	1
Kansas City, Kans.-----	34	14	3	6	Tacoma, Wash.-----	42	25	1	5
Kansas City, Mo.-----	139	78	4	7	Total	13,210	7,765	530	607
Lincoln, Nebr.-----	29	23	1	2					
Minneapolis, Minn.-----	116	68	-	5	Cumulative Totals				
Omaha, Nebr.-----	69	48	1	3	including reported corrections for previous weeks				
St. Louis, Mo.-----	243	150	11	10	All Causes, All Ages -----				629,662
St. Paul, Minn.-----	98	61	-	4	All Causes, Age 65 and over-----				359,932
Wichita, Kans.-----	31	16	3	1	Pneumonia and Influenza, All Ages-----				22,108
					All Causes, Under 1 Year of Age-----				31,807

SURVEILLANCE SUMMARY

TUBERCULOSIS IN THE UNITED STATES, 1966

During 1966, the State Health Departments in the United States reported 47,767 new active cases of tuberculosis, establishing the "new case" rate as 24.4 per 100,000 population (Table 1). The corresponding figures for 1965 were 49,016 new cases and a rate of 25.3 per 100,000 population.

State rates ranged from a low of 6.5 in North Dakota to 55.5 in Alaska. The District of Columbia had a new

case rate of 68.6 and Puerto Rico a rate of 46.7 per 100,000 population.

Estimates for December 31, 1966, show that on that day there were 320,000 persons included in state and local health department tuberculosis registers. Of this total, 90,000 persons were classified as having active tuberculous disease, with 37,000 in hospitals, and 53,000 reported to be under care or supervision of clinics, private physicians, and other medical auspices.

Table 1
New Active Tuberculosis Cases and Case Rates
Each State 1965 and 1966

State	New Active Cases		Case Rate Per 100,000 Population		Rank According to Rate		Population July 1, 1966
	1965	1966	1965	1966	1965	1966	
United States	49,016	47,767	25.3	24.4	..	..	195,936,000
Continental United States	48,434	47,361	25.1	24.3	..	..	194,947,000
Alabama	1,417	1,214	40.6	34.6	3	7	3,511,000
Alaska	302	147	113.1	55.5	1	1	265,000
Arizona	573	503	36.4	31.4	7	10	1,603,000
Arkansas	649	587	33.4	30.0	10	12	1,956,000
California	4,577	4,658	24.9	24.8	23	24	18,802,000
Colorado	274	223	14.1	11.4	38	40	1,955,000
Connecticut	335(a)	293(b)	11.8	10.2	40	42	2,878,000
Delaware	141	173	28.0	33.7	18	8	513,000
Dist. of Col.	536	553	66.8	68.6	..	..	806,000
Florida	1,521	1,573	26.2	26.7	20	20	5,895,000
Georgia	1,269	1,273	28.9	28.6	14	14	4,446,000
Hawaii	280	259	39.4	35.8	5	4	724,000
Idaho	52	65	7.5	9.3	47	43	697,000
Illinois	3,250	2,938	30.5	27.2	12	18	10,785,000
Indiana	1,119	1,051	22.9	21.2	30	30	4,951,000
Iowa	166	184	6.0	6.7	50	49	2,760,000
Kansas	242	279	10.8	12.3	42	38	2,275,000
Kentucky	1,193	1,241	37.6	39.0	6	3	3,181,000
Louisiana	931	1,029	26.2	28.4	21	15	3,617,000
Maine	142	128	14.4	13.1	37	37	978,000
Maryland	1,234	1,217	34.9	33.7	9	9	3,612,000
Massachusetts	969	910	18.1	16.8	33	33	5,403,000
Michigan	2,199	2,263	26.4	26.7	19	19	8,468,000
Minnesota	419	400	11.8	11.2	41	41	3,572,000
Mississippi	661	654	28.6	28.0	15	17	2,337,000
Missouri	1,043	1,049	23.2	23.0	28	27	4,564,000
Montana	133	105	18.9	15.0	31	36	702,000
Nebraska	141	132	9.7	9.2	44	44	1,439,000
Nevada	189	231	43.5	53.6	2	2	431,000
New Hampshire	48	54	7.1	8.0	48	47	677,000
New Jersey	1,674	1,592	24.7	23.1	25	26	6,899,000
New Mexico	288	267	28.4	26.6	17	22	1,002,000
New York	5,869	5,296	32.4	29.1	11	13	18,205,000
North Carolina	1,276	1,266	25.9	25.5	22	23	4,972,000
North Dakota	49	42	7.5	6.5	46	50	643,000
Ohio	1,729	1,639	16.9	15.8	34	34	10,364,000
Oklahoma	605	538	24.7	21.7	24	29	2,477,000
Oregon	361	386	18.6	19.6	32	31	1,973,000
Pennsylvania	2,686	2,664	23.2	23.0	29	28	11,601,000
Rhode Island	140	140	15.7	15.6	36	35	896,000
South Carolina	758	690	29.7	26.7	13	21	2,588,000
South Dakota	166	158	24.2	23.3	27	25	679,000
Tennessee	1,356	1,380	35.2	35.7	8	5	3,866,000
Texas	2,583	3,037	24.4	28.3	26	16	10,747,000
Utah	88	75	8.9	7.4	45	48	1,007,000
Vermont	42	35	10.4	8.5	43	46	411,000
Virginia	1,754	1,573	39.7	35.2	4	6	4,468,000
Washington	488	551	16.4	18.1	35	32	3,041,000
West Virginia	518	544	28.5	30.1	16	11	1,809,000
Wisconsin	560	480	13.5	11.5	39	39	4,167,000
Wyoming	21	28	6.4	8.8	49	45	319,000
Puerto Rico (c)	1,486	1,247	56.4	46.7	..	..	2,668,000

(a) Excludes 152 diagnosed but not officially reported cases.

(b) Excludes 235 diagnosed but not officially reported cases.

(c) Not included in totals.

The District of Columbia is classed as a city, and is not ranked with the states.

ERRATA FOR 1966 ANNUAL SUPPLEMENT TO MMWR
(Vol. 15, No. 53)

The following corrections of the ANNUAL SUPPLEMENT to the Morbidity and Mortality Weekly Report on REPORTED INCIDENCE OF NOTIFIABLE DISEASES IN THE UNITED STATES, 1966, released November 1967, are listed below and on page 439. These pages may be removed from this issue for proper insertion into individual copies of the 1966 Annual Supplement.

Page 27, Table 14, East North Central States, Total Number of Deaths, All Causes, All Ages: the figures in this column were transposed. The published transposed version is shown below corrected:

	Transposed	CORRECTED
EAST NORTH CENTRAL:	137,084	137,084
Akron, Ohio	2,244	3,375
Canton, Ohio	1,761	1,891
Chicago, Ill.	2,655	40,302
Cincinnati, Ohio	8,105	8,649
Cleveland, Ohio	1,782	11,196
Columbus, Ohio	6,861	6,524
Dayton, Ohio	2,006	4,133
Detroit, Mich.	1,674	18,560
Evansville, Ind.	2,057	2,197
Flint, Mich.	5,395	2,601
Fort Wayne, Ind.	3,116	2,244
Gary, Ind.	3,375	1,761
Grand Rapids, Mich.	1,891	2,655
Indianapolis, Ind.	40,302	8,105
Madison, Wis.	8,649	1,782
Milwaukee, Wis.	11,196	6,861
Peoria, Ill.	6,524	2,006
Rockford, Ill.	4,133	1,674
South Bend, Ind.	18,560	2,057
Toledo, Ohio	2,197	5,395
Youngstown, Ohio	2,601	3,116

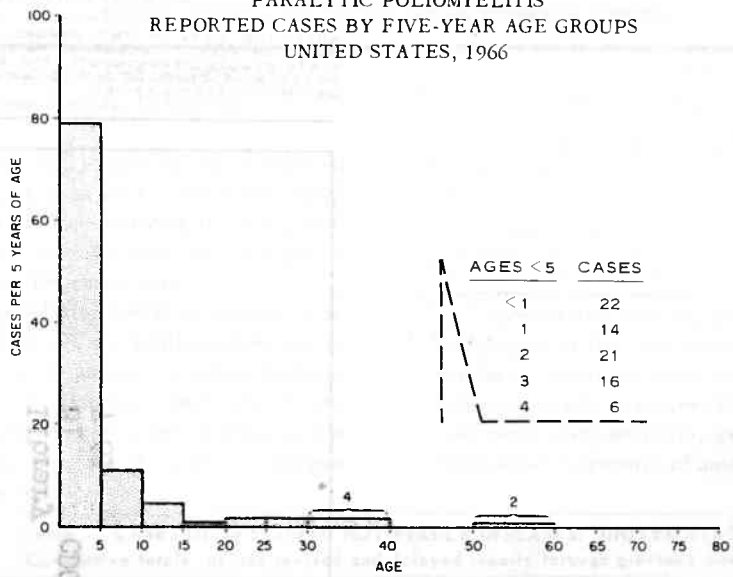
Page 34, map showing geographic distribution of California and Eastern Encephalitis: Legend for "20+ cases" should be black; stippling should be deleted from Michigan, see Table 7, page 12.

Pages 47 and 55, age distribution of cases under 5 years of age: inserts for paralytic poliomyelitis and for tetanus were transposed. Corrected charts are shown on page 439.

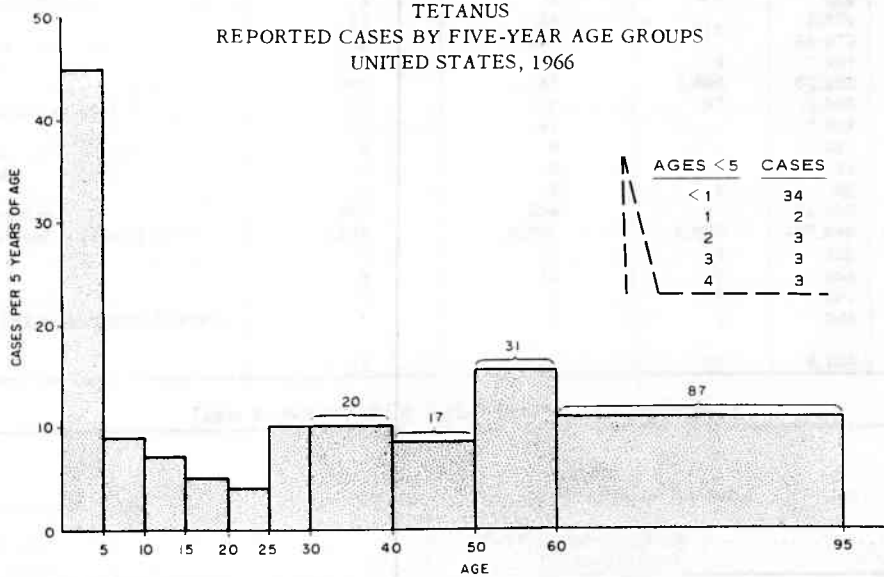
CORRECTED CHARTS

1966 ANNUAL SUPPLEMENT TO MMWR
(Vol. 15, No. 53)

PARALYTIC POLIOMYELITIS
REPORTED CASES BY FIVE-YEAR AGE GROUPS
UNITED STATES, 1966



TETANUS
REPORTED CASES BY FIVE-YEAR AGE GROUPS
UNITED STATES, 1966



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DIRECTOR, NATIONAL COMMUNICABLE DISEASE CENTER

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ATTN: THE EDITOR
MORBIDITY AND MORTALITY WEEKLY REPORT

NOTE: THE DATA IN THIS REPORT ARE PROVISIONAL AND ARE BASED ON WEEKLY TELEGRAMS TO THE NCDC BY THE INDIVIDUAL STATE HEALTH DEPARTMENTS. THE REPORTING WEEK CONCLUDES ON SATURDAY; COMPILED DATA ON A NATIONAL BASIS ARE RELEASED ON THE SUCCEEDING FRIDAY.

(Please clip out this page and insert in the
1966 Annual Supplement to MMWR)

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