



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 FEBRILE UPPER RESPIRATORY DISEASE Eastern Massachusetts

In the week ending Jan. 8, 1971, an outbreak of febrile upper respiratory disease began in the Boston area, with school absenteeism rising abruptly on Thursday, January 14, and still continuing. The illness is characterized by fever (temperature 101-103°F.) lasting approximately 48 hours, non-productive cough, headache, mild nasal congestion, backache, and malaise. Gastrointestinal complaints are generally absent. School absenteeism has ranged from 25 to 40 percent in 28 communities in the Boston area and as far west as Worcester, with more illness in high schools than in elementary schools; there has been little increase in industrial absenteeism. Several schools were closed Friday because of the outbreak, but most were open again Monday. No etiologic agent has been isolated; studies are in progress.

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Respiratory illnesses in New York, Rhode Island, Connecticut, Vermont, and Maine show only the expected seasonal increase. Excessive school absenteeism in one small community in eastern New Hampshire has been reported.

There have been no reported outbreaks of influenza or influenza-like illness in the rest of the country.

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

DISEASE	2nd WEEK ENDED		MEDIAN 1966 - 1970	CUMULATIVE, FIRST 2 WEEKS		
	January 16, 1971	January 17, 1970		1971	1970	MEDIAN 1966 - 1970
Aseptic meningitis	58	29	27	121	65	53
Brucellosis	-	2	2	-	3	3
Diphtheria	12	4	2	13	7	3
Encephalitis, primary:						
Arthropod-borne & unspecified	15	27	23	37	41	39
Encephalitis, post-infectious	2	3	8	13	12	13
Hepatitis, serum	156	123	57	313	250	103
Hepatitis, infectious	1,252	1,057	718	2,400	2,003	1,357
Malaria	49	45	45	108	90	72
Measles (rubeola)	861	946	946	1,932	1,470	1,470
Meningococcal infections, total	67	67	76	117	115	116
Civilian	62	64	68	110	108	109
Military	5	3	3	7	7	7
Mumps	2,778	2,466	-	4,981	4,236	-
Poliomyelitis, total	1	-	-	1	-	-
Paralytic	-	-	-	-	-	-
Rubella (German measles)	453	735	503	822	1,262	753
Tetanus	1	-	-	1	-	3
Tularemia	-	2	2	4	2	5
Typhoid fever	4	7	5	10	10	8
Typhus, tick-borne (Rky. Mt. spotted fever)	-	-	-	-	-	2
Rabies in animals	79	50	66	130	101	134

TABLE II. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax	-	Psittacosis: Conn.-1, N.J.-1	3
Botulism	-	Rabies in Man	-
Leprosy: Hawaii-3, R.I.-1, Tex.-1	5	Rubella congenital syndrome: Hawaii-1	1
Leptospirosis	1	Trichinosis: N.J.-1	2
Plague*	-	Typhus, murine	-

*Delayed reports: Plague: Ore. 1 (1970)

SURVEILLANCE SUMMARY
 ASEPTIC MENINGITIS - United States, 1969

For 1969, 3,672 cases of aseptic meningitis were reported, representing a decrease from the 4,494 cases reported for 1968, but representing an increase over those annual totals reported for 1963 through 1967 (Table 1). There was a marked fluctuation in case reporting for many states, reflecting in some instances recognized major outbreaks. The seasonal distribution of aseptic meningitis from 1963 to 1967 showed a consistent pattern, with most cases occurring in late summer (Figure 1).

In addition to the weekly telegraphic reports sent to CDC by the states, 31 out of 53 reporting areas submitted a line listing of aseptic meningitis cases for 1969; a total of 2,598 cases, with 37 deaths, were reported.

Aseptic meningitis cases reported on annual summary listings were separated into four etiologic groups: non-polio enteroviral; arboviral; other known etiologies, including childhood infections; and unknown (Figure 2).

In 122 of the reported aseptic meningitis cases, recent infection with a non-polio enterovirus (Coxsackie virus or echovirus) was confirmed either by diagnostic serologic change or by virus isolation from cerebrospinal fluid (CSF). There were 18 different types of virus reported in association with these cases; no deaths were reported. In addition to the 122 cases associated with confirmed enteroviral infection, 172 cases were reported for which an enteroviral agent was isolated from stool or throat specimens, without accompanying serologic evidence of recent infection by the isolated agent. For many of these cases, no serologic testing was performed.

There were 12 reported cases, with no deaths, in which serologic evidence confirmed infection with California en-

(Continued on page 16)

Figure 2
 CASES OF ASEPTIC MENINGITIS* IN 31 REPORTING AREAS, BY MONTH OF ONSET AND ETIOLOGIC GROUP - 1969

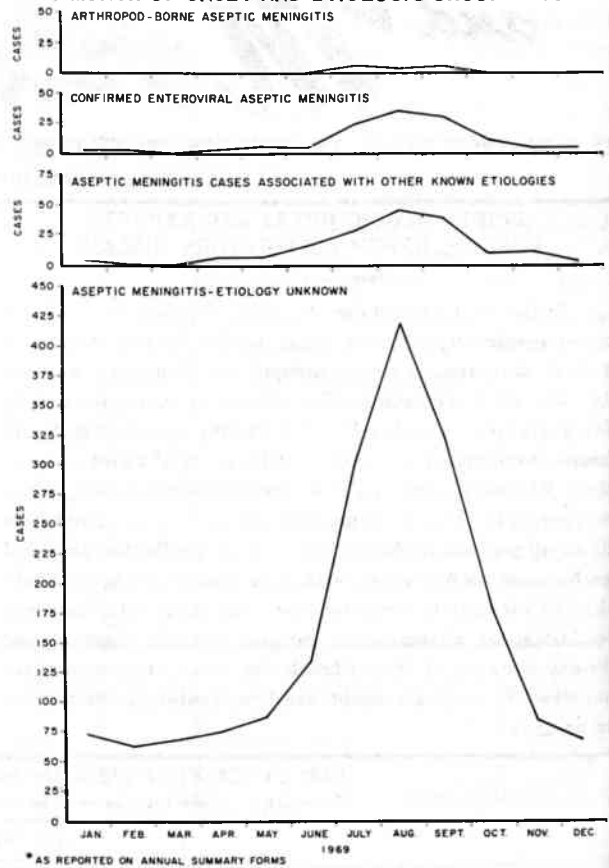


Figure 1
 REPORTED ASEPTIC MENINGITIS CASES, BY MONTH OF ONSET - 1963-1969

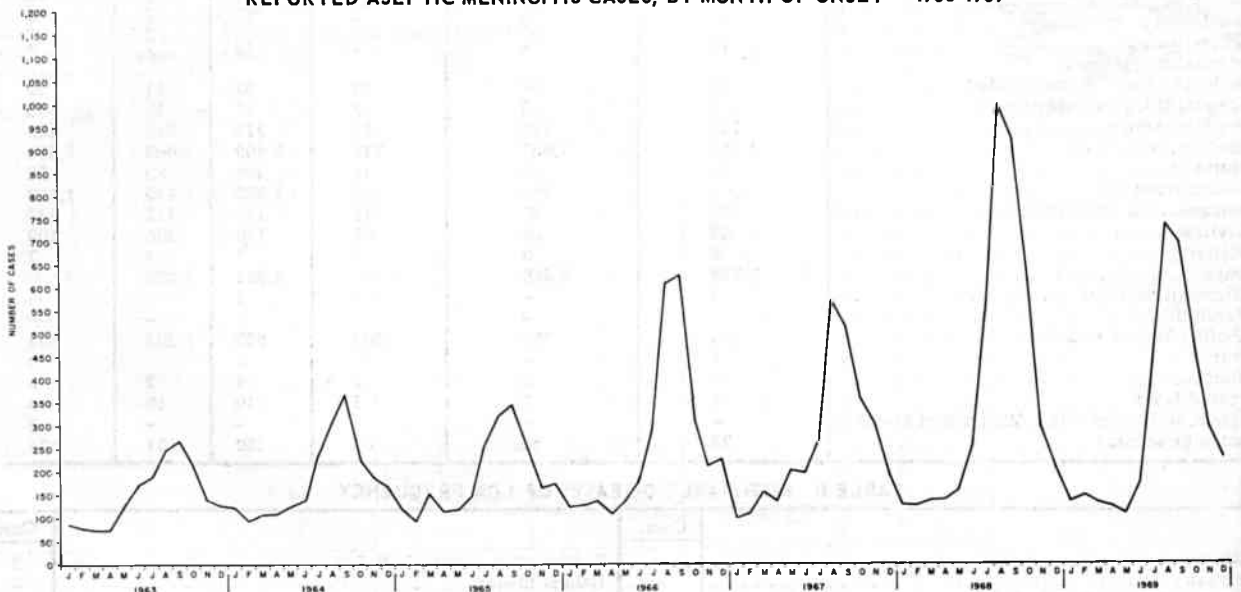


Table 1
Reported Cases of Aseptic Meningitis, by State and Year
1963 - 1969

Area	1963	1964	1965	1966	1967	1968	1969
United States	1,844	2,177	2,329	3,058	3,082	4,494	3,672
New England	99	42	70	277	58	154	139
Maine	10	4	5	9	1	4	1
New Hampshire	1	0	0	0	2	0	0
Vermont	50	1	0	2	1	0	0
Massachusetts	16	14	44	135	33	87	69
Rhode Island	21	20	16	67	17	46	56
Connecticut	1	3	5	14	4	17	13
Middle Atlantic	244	268	220	392	332	861	664
New York City		44	54	95	86	272	142
Upstate New York	116	98	61	46	41	91	84
New Jersey	92	72	56	174	146	361	241
Pennsylvania	36	54	49	77	59	137	197
East North Central	297	304	390	307	364	687	629
Ohio	46	62	55	44	79	284	228
Indiana	18	11	54	28	29	38	45
Illinois	90	106	128	91	147	92	87
Michigan	125	107	119	118	94	265	179
Wisconsin	18	18	34	26	15	8	90
West North Central	95	140	159	104	135	163	324
Minnesota	79	80	114	62	40	111	289
Iowa	5	3	25	7	61	13	8
Missouri	4	17	13	14	7	19	15
North Dakota	1	2	0	0	NN	12	5
South Dakota	5	10	4	1	10	0	0
Nebraska	1	4	1	3	0	3	3
Kansas	0	24	2	17	17	5	4
South Atlantic	143	165	173	345	578	459	481
Delaware	0	13	31	38	14	14	19
Maryland	8	6	3	20	356	91	166
District of Columbia	11	7	1	6	5	32	1
Virginia	29	24	17	31	64	106	31
West Virginia	12	16	3	53	40	68	30
North Carolina	NN	0	25	44	32	35	57
South Carolina	10	16	15	10	9	12	61
Georgia	0	0	0	0	0	0	4
Florida	73	83	78	143	58	101	112
East South Central	150	336	250	275	295	323	242
Kentucky	76	251	102	52	64	63	75
Tennessee	32	36	108	68	100	173	69
Alabama	26	43	29	48	66	50	72
Mississippi	16	6	11	107	65	37	26
West South Central	126	134	252	404	254	420	242
Arkansas	8	3	10	9	25	6	13
Louisiana	NN	25	17	47	56	157	53
Oklahoma	27	16	15	27	35	38	34
Texas	91	90	210	321	138	219	142
Mountain	57	39	93	55	23	78	138
Montana	6	4	2	1	0	12	56
Idaho	0	1	4	4	0	4	3
Wyoming	2	5	6	2	0	0	1
Colorado	2	4	8	8	8	35	30
New Mexico	1	1	10	9	3	22	9
Arizona	22	20	41	17	7	3	25
Utah	23	4	18	9	3	1	7
Nevada	1	0	4	5	2	1	7
Pacific	633	749	722	949	1,043	1,349	813
Washington	93	72	55	66	74	56	156
Oregon	30	6	14	10	34	59	41
California	498	628	608	822	767	1,164	584
Alaska	3	5	3	3	0	7	0
Hawaii	9	38	42	48	168	63	32
Puerto Rico	0	1	2	10	19	8	5

NN - Report of disease not required by State Health Department.

Morbidity and Mortality Weekly Report

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED
JANUARY 16, 1971 AND JANUARY 17, 1970 (2nd 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	1970		
UNITED STATES.....	58	-	12	15	27	2	156	1,252	1,057	49	108
NEW ENGLAND.....	-	-	-	-	2	-	9	134	136	2	7
Maine.....	-	-	-	-	-	-	-	14	14	-	-
New Hampshire.....	-	-	-	-	-	-	1	11	9	-	-
Vermont.....	-	-	-	-	-	-	-	25	1	-	-
Massachusetts.....	-	-	-	-	-	-	2	27	65	2	7
Rhode Island.....	-	-	-	-	-	-	-	23	19	-	-
Connecticut.....	-	-	-	-	2	-	6	34	28	-	-
MIDDLE ATLANTIC.....	17	-	-	3	6	1	77	248	236	7	10
New York City.....	11	-	-	1	1	-	36	65	77	-	-
New York, Up-State...	4	-	-	-	4	-	4	29	50	-	1
New Jersey.....*	-	-	-	-	-	-	25	87	35	4	4
Pennsylvania.....	2	-	-	2	1	1	12	67	74	3	5
EAST NORTH CENTRAL.....	2	-	-	5	8	-	15	191	162	3	4
Ohio.....	1	-	-	2	-	-	6	34	40	1	1
Indiana.....	-	-	-	-	-	-	-	4	7	-	-
Illinois.....	-	-	-	-	5	-	2	45	10	2	2
Michigan.....*	1	-	-	2	3	-	7	100	103	-	1
Wisconsin.....	-	-	-	1	-	-	-	8	2	-	-
WEST NORTH CENTRAL.....	-	-	3	-	-	-	-	67	32	9	12
Minnesota.....*	-	-	-	-	-	-	-	12	4	-	-
Iowa.....*	-	-	-	-	-	-	-	17	5	-	-
Missouri.....	-	-	-	-	-	-	-	19	13	1	4
North Dakota.....	-	-	-	-	-	-	-	4	1	-	-
South Dakota.....	-	-	3	-	-	-	-	-	-	-	-
Nebraska.....	-	-	-	-	-	-	-	5	3	1	1
Kansas.....*	-	-	-	-	-	-	-	10	6	7	7
SOUTH ATLANTIC.....	4	-	-	1	1	-	12	141	126	6	13
Delaware.....	-	-	-	-	-	-	1	2	1	-	-
Maryland.....	-	-	-	-	-	-	2	26	14	2	2
Dist. of Columbia...	-	-	-	-	-	-	-	1	1	-	-
Virginia.....	-	-	-	-	-	-	3	26	15	2	3
West Virginia.....	-	-	-	-	-	-	-	12	5	-	-
North Carolina.....	-	-	-	-	1	-	-	18	13	-	2
South Carolina.....	-	-	-	-	-	-	-	6	6	-	-
Georgia.....	-	-	-	-	-	-	-	9	30	-	2
Florida.....*	4	-	-	1	-	-	6	47	41	2	4
EAST SOUTH CENTRAL.....	1	-	-	-	-	-	2	67	51	1	23
Kentucky.....	-	-	-	-	-	-	-	18	24	-	21
Tennessee.....	-	-	-	-	-	-	2	37	18	-	-
Alabama.....	1	-	-	-	-	-	-	9	7	1	2
Mississippi.....	-	-	-	-	-	-	-	3	2	-	-
WEST SOUTH CENTRAL.....	5	-	2	-	3	-	5	64	58	18	23
Arkansas.....	-	-	-	-	-	-	-	1	1	-	1
Louisiana.....	1	-	-	-	1	-	5	18	10	-	-
Oklahoma.....	-	-	-	-	2	-	-	12	9	8	8
Texas.....	4	-	2	-	-	-	-	33	38	10	14
MOUNTAIN.....	3	-	7	-	2	-	5	64	28	-	-
Montana.....	-	-	-	-	1	-	-	6	1	-	-
Idaho.....	-	-	-	-	-	-	2	7	2	-	-
Wyoming.....	-	-	-	-	1	-	-	1	-	-	-
Colorado.....*	-	-	-	-	-	-	-	-	-	-	-
New Mexico.....	-	-	-	-	-	-	-	16	3	-	-
Arizona.....	3	-	7	-	-	-	-	25	12	-	-
Utah.....	-	-	-	-	-	-	3	9	8	-	-
Nevada.....	-	-	-	-	-	-	-	-	2	-	-
PACIFIC.....	26	-	-	6	5	1	31	276	228	3	16
Washington.....	1	-	-	-	-	-	1	35	15	-	-
Oregon.....	3	-	-	-	-	-	1	36	12	-	-
California.....	22	-	-	6	5	1	29	185	199	3	12
Alaska.....*	-	-	-	-	-	-	-	-	-	-	1
Hawaii.....	-	-	-	-	-	-	-	20	2	-	3
Puerto Rico.....*	-	-	-	-	-	-	3	2	4	-	-
Virgin Islands.....	-	-	-	-	-	-	-	1	-	-	-

* Delayed reports: Aseptic meningitis: (1970) Minn. 1, Colo. 1
 Encephalitis, primary: (1970) Mich. 2, Fla. 1
 Encephalitis, post-infectious: (1970) Minn. 1
 Hepatitis, infectious: (1970) N.J. delete 4, Ind. delete 2,
 Minn. 3, Kans. 10, Tex. delete 1,
 P.R. 4, (1971) Alaska 2
 Malaria: (1970) Iowa 2,
 (1971) Alaska 2

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
JANUARY 16, 1971 AND JANUARY 17, 1970 (2nd WEEK) - CONTINUED

AREA	MEASLES (Rubeola)			MENINGOCOCCAL INFECTIONS, TOTAL			MUMPS		POLIOMYELITIS		
	1971	Cumulative		1971	Cumulative		1971	Cum. 1971	Total	Paralytic	
		1971	1970		1971	1970			1971	1971	Cum. 1971
UNITED STATES.....	861	1,932	1,470	67	117	115	2,778	4,981	1	-	-
NEW ENGLAND.....	43	88	26	2	3	5	196	372	-	-	-
Maine.....	31	43	-	1	1	-	24	71	-	-	-
New Hampshire.....	-	-	1	-	1	-	37	37	-	-	-
Vermont.....	-	-	-	-	-	-	-	-	-	-	-
Massachusetts.....	11	43	18	-	-	3	57	101	-	-	-
Rhode Island.....	1	2	1	1	1	-	35	95	-	-	-
Connecticut.....	-	-	6	-	-	2	43	68	-	-	-
MIDDLE ATLANTIC.....	108	247	230	5	13	16	221	486	1	-	-
New York City.....	76	137	25	1	2	2	52	90	-	-	-
New York, Up-State...	17	25	20	-	1	4	NN	NN	1	-	-
New Jersey.....	3	10	125	2	2	3	79	174	-	-	-
Pennsylvania.....	12	75	60	2	8	7	90	222	-	-	-
EAST NORTH CENTRAL.....	177	229	402	1	5	15	1,181	1,790	-	-	-
Ohio.....	91	115	178	-	3	7	71	163	-	-	-
Indiana.....	2	2	1	-	-	1	94	272	-	-	-
Illinois.....	14	16	189	1	1	-	90	99	-	-	-
Michigan.....	21	26	13	-	1	6	408	518	-	-	-
Wisconsin.....	49	70	21	-	-	1	518	738	-	-	-
WEST NORTH CENTRAL.....	21	26	153	8	11	1	146	251	-	-	-
Minnesota.....	2	2	-	2	2	1	2	27	-	-	-
Iowa.....	15	18	-	-	1	-	115	175	-	-	-
Missouri.....	2	2	1	4	4	-	7	16	-	-	-
North Dakota.....	1	1	2	1	1	-	8	13	-	-	-
South Dakota.....	-	-	-	-	2	-	10	15	-	-	-
Nebraska.....	-	2	149	-	-	-	4	5	-	-	-
Kansas.....	1	1	1	1	1	-	-	-	-	-	-
SOUTH ATLANTIC.....	117	337	241	5	7	22	196	405	-	-	-
Delaware.....	-	2	39	-	-	-	12	20	-	-	-
Maryland.....	1	3	12	1	1	3	32	64	-	-	-
Dist. of Columbia.....	1	1	77	-	1	-	8	12	-	-	-
Virginia.....	68	220	73	-	-	2	29	64	-	-	-
West Virginia.....	6	12	12	-	1	-	40	103	-	-	-
North Carolina.....	40	67	16	-	-	2	NN	NN	-	-	-
South Carolina.....	-	30	4	-	-	2	-	14	-	-	-
Georgia.....	-	-	-	1	1	8	-	-	-	-	-
Florida.....	1	2	8	3	3	5	75	128	-	-	-
EAST SOUTH CENTRAL.....	34	367	35	4	11	17	252	532	-	-	-
Kentucky.....	12	238	28	-	4	8	148	275	-	-	-
Tennessee.....	16	36	3	2	3	6	96	208	-	-	-
Alabama.....	-	83	4	1	3	3	6	35	-	-	-
Mississippi.....	6	10	-	1	1	-	2	14	-	-	-
WEST SOUTH CENTRAL.....	279	495	278	11	13	9	105	251	-	-	-
Arkansas.....	-	2	-	-	-	1	1	1	-	-	-
Louisiana.....	22	22	4	4	4	2	-	-	-	-	-
Oklahoma.....	37	67	-	-	-	1	2	5	-	-	-
Texas.....	220	404	276	7	9	5	102	245	-	-	-
MOUNTAIN.....	37	57	65	6	10	4	122	195	-	-	-
Montana.....	15	22	2	-	-	-	8	20	-	-	-
Idaho.....	7	7	-	-	-	-	23	24	-	-	-
Wyoming.....	-	-	-	-	-	-	1	5	-	-	-
Colorado.....	1	1	2	1	3	1	28	36	-	-	-
New Mexico.....	8	18	14	-	-	-	17	24	-	-	-
Arizona.....	6	8	47	3	4	1	23	63	-	-	-
Utah.....	-	1	-	1	2	2	22	23	-	-	-
Nevada.....	-	-	-	1	1	-	-	-	-	-	-
PACIFIC.....	45	86	40	25	44	26	359	699	-	-	-
Washington.....	-	6	-	-	1	3	210	363	-	-	-
Oregon.....	3	16	-	2	2	1	44	83	-	-	-
California.....	42	58	39	21	39	22	88	199	-	-	-
Alaska.....	-	-	-	-	-	-	-	-	-	-	-
Hawaii.....	-	6	1	2	2	-	17	54	-	-	-
Puerto Rico.....	-	5	95	-	-	-	8	51	-	-	-
Virgin Islands.....	-	1	1	-	-	-	-	-	-	-	-

Delayed reports (1970): Measles: N.J. delete 2, La. delete 2, Tex. 13
Meningococcal infections: Minn. 1
Mumps: Me. 2, Minn. 16, Kans. 11

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

JANUARY 16, 1971 AND JANUARY 17, 1970 (2nd 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.....	453	822	1	1	-	4	4	10	-	-	79	130
NEW ENGLAND.....	22	32	-	-	-	-	-	1	-	-	5	9
Maine.*.....	7	8	-	-	-	-	-	-	-	-	3	6
New Hampshire.....	-	-	-	-	-	-	-	-	-	-	-	-
Vermont.....	2	2	-	-	-	-	-	-	-	-	2	3
Massachusetts.....	9	13	-	-	-	-	-	1	-	-	-	-
Rhode Island.....	2	2	-	-	-	-	-	-	-	-	-	-
Connecticut.....	2	7	-	-	-	-	-	-	-	-	-	-
MIDDLE ATLANTIC.....	32	62	-	-	-	-	-	-	-	-	5	9
New York City.....	7	20	-	-	-	-	-	-	-	-	-	-
New York, Up-State..	8	11	-	-	-	-	-	-	-	-	5	9
New Jersey.....	3	7	-	-	-	-	-	-	-	-	-	-
Pennsylvania.....	14	24	-	-	-	-	-	-	-	-	-	-
EAST NORTH CENTRAL....	120	207	-	-	-	-	-	-	-	-	4	16
Ohio.....	15	16	-	-	-	-	-	-	-	-	-	2
Indiana.....	16	66	-	-	-	-	-	-	-	-	-	1
Illinois.....	11	11	-	-	-	-	-	-	-	-	1	6
Michigan.....	49	75	-	-	-	-	-	-	-	-	1	1
Wisconsin.....	29	39	-	-	-	-	-	-	-	-	2	6
WEST NORTH CENTRAL....	38	46	-	-	-	-	-	-	-	-	27	37
Minnesota*.....	-	-	-	-	-	-	-	-	-	-	3	4
Iowa.....	33	38	-	-	-	-	-	-	-	-	17	21
Missouri*.....	2	3	-	-	-	-	-	-	-	-	5	8
North Dakota.....	-	-	-	-	-	-	-	-	-	-	2	4
South Dakota*.....	-	1	-	-	-	-	-	-	-	-	-	-
Nebraska.....	3	4	-	-	-	-	-	-	-	-	-	-
Kansas.....	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH ATLANTIC.....	28	56	1	1	-	2	3	3	-	-	9	13
Delaware.....	-	-	-	-	-	-	-	-	-	-	-	-
Maryland.....	1	3	-	-	-	2	2	2	-	-	-	-
Dist. of Columbia...	-	-	-	-	-	-	-	-	-	-	-	-
Virginia.....	7	11	-	-	-	-	1	1	-	-	1	2
West Virginia.....	8	22	-	-	-	-	-	-	-	-	4	7
North Carolina.....	-	-	-	-	-	-	-	-	-	-	-	-
South Carolina.....	-	1	-	-	-	-	-	-	-	-	1	1
Georgia.....	-	-	-	-	-	-	-	-	-	-	-	-
Florida.....	12	19	1	1	-	-	-	-	-	-	3	3
EAST SOUTH CENTRAL....	15	43	-	-	-	2	-	-	-	-	11	16
Kentucky.....	1	21	-	-	-	2	-	-	-	-	7	11
Tennessee.....	12	18	-	-	-	-	-	-	-	-	3	4
Alabama.....	1	2	-	-	-	-	-	-	-	-	1	1
Mississippi.....	1	2	-	-	-	-	-	-	-	-	-	-
WEST SOUTH CENTRAL....	72	153	-	-	-	-	-	-	-	-	12	19
Arkansas.....	4	4	-	-	-	-	-	-	-	-	1	3
Louisiana.....	4	4	-	-	-	-	-	-	-	-	-	1
Oklahoma.....	3	10	-	-	-	-	-	-	-	-	7	8
Texas.*.....	61	135	-	-	-	-	-	-	-	-	4	7
MOUNTAIN.....	27	47	-	-	-	-	-	-	-	-	-	-
Montana.....	1	1	-	-	-	-	-	-	-	-	-	-
Idaho.....	1	6	-	-	-	-	-	-	-	-	-	-
Wyoming.....	-	-	-	-	-	-	-	-	-	-	-	-
Colorado.....	4	6	-	-	-	-	-	-	-	-	-	-
New Mexico.....	2	10	-	-	-	-	-	-	-	-	-	-
Arizona.....	13	18	-	-	-	-	-	-	-	-	-	-
Utah.....	6	6	-	-	-	-	-	-	-	-	-	-
Nevada.....	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	99	176	-	-	-	-	1	6	-	-	6	11
Washington.....	35	57	-	-	-	-	-	-	-	-	-	-
Oregon.....	9	22	-	-	-	-	-	-	-	-	-	-
California.....	50	90	-	-	-	-	1	6	-	-	6	11
Alaska.....	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii.....	5	7	-	-	-	-	-	-	-	-	-	-
Puerto Rico.....	-	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands.....	-	-	-	-	-	-	-	-	-	-	-	-

* Delayed reports (1970): Rubella: Me. 14, Mo. 95, Tex. 21
Rabies in animals: Minn. 1, S. Dak. 23

Week No. 2
 TABLE IV. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED JANUARY 16, 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:	767	497	69	19	SOUTH ATLANTIC:	1,461	729	76	98
Boston, Mass.-----	245	141	22	8	Atlanta, Ga.-----	170	74	10	13
Bridgeport, Conn.-----	51	30	8	1	Baltimore, Md.-----	296	154	12	10
Cambridge, Mass.-----	39	30	9	—	Charlotte, N. C.-----	86	36	—	7
Fall River, Mass.-----	21	12	—	1	Jacksonville, Fla.-----	124	56	9	5
Hartford, Conn.-----	70	42	1	4	Miami, Fla.-----	135	68	5	10
Lowell, Mass.-----	30	22	3	1	Norfolk, Va.-----	66	32	6	4
Lynn, Mass.-----	22	19	1	—	Richmond, Va.-----	112	65	6	5
New Bedford, Mass.-----	29	22	4	—	Savannah, Ga.-----	59	25	4	5
New Haven, Conn.-----	51	34	—	—	St. Petersburg, Fla.-----	106	84	8	—
Providence, R. I.-----	63	43	8	1	Tampa, Fla.-----	56	31	6	6
Somerville, Mass.-----	13	6	1	—	Washington, D. C.-----	181	70	8	30
Springfield, Mass.-----	47	33	5	1	Wilmington, Del.-----	70	34	2	3
Waterbury, Conn.-----	36	24	—	—					
Worcester, Mass.-----	50	39	7	2	EAST SOUTH CENTRAL:	866	458	39	46
MIDDLE ATLANTIC:	3,971	2,395	164	178	Birmingham, Ala.-----	129	71	6	8
Albany, N. Y.-----	68	42	1	3	Chattanooga, Tenn.-----	66	28	2	6
Allentown, Pa.-----	33	22	4	—	Knoxville, Tenn.-----	58	36	2	3
Buffalo, N. Y.-----	183	114	3	12	Louisville, Ky.-----	152	80	8	14
Camden, N. J.-----	48	31	6	5	Memphis, Tenn.-----	215	122	4	7
Elizabeth, N. J.-----	36	23	2	—	Mobile, Ala.-----	60	25	6	1
Erie, Pa.-----	48	31	5	3	Montgomery, Ala.-----	54	32	5	2
Jersey City, N. J.-----	69	39	5	3	Nashville, Tenn.-----	132	64	6	5
Newark, N. J.-----	64	23	3	11	WEST SOUTH CENTRAL:	1,485	742	48	148
New York City, N. Y.†	2,121	1,265	62	85	Austin, Tex.-----	47	27	3	2
Paterson, N. J.-----	43	27	4	5	Baton Rouge, La.-----	53	33	1	7
Philadelphia, Pa.-----	527	307	5	19	Corpus Christi, Tex.-----	65	30	—	7
Pittsburgh, Pa.-----	209	124	15	8	Dallas, Tex.-----	171	89	4	13
Reading, Pa.-----	64	47	8	1	El Paso, Tex.-----	40	10	4	9
Rochester, N. Y.-----	137	88	10	8	Fort Worth, Tex.-----	100	57	3	8
Schenectady, N. Y.-----	34	20	6	3	Houston, Tex.-----	333	144	13	56
Scranton, Pa.-----	47	28	1	1	Little Rock, Ark.-----	73	42	1	1
Syracuse, N. Y.-----	100	70	8	6	New Orleans, La.-----	182	86	2	13
Trenton, N. J.-----	62	40	3	2	Oklahoma City, Okla.-----	126	65	1	10
Utica, N. Y.-----	27	20	3	1	San Antonio, Tex.-----	164	82	3	14
Yonkers, N. Y.-----	51	34	10	2	Shreveport, La.-----	72	43	7	3
					Tulsa, Okla.-----	59	34	6	5
EAST NORTH CENTRAL:	3,104	1,769	109	192	MOUNTAIN:	584	346	28	43
Akron, Ohio-----	65	40	1	5	Albuquerque, N. Mex.-----	53	29	4	3
Canton, Ohio-----	42	27	5	4	Colorado Springs, Colo.-----	40	32	4	—
Chicago, Ill.-----	866	460	20	69	Denver, Colo.-----	152	80	10	14
Cincinnati, Ohio-----	206	124	8	11	Ogden, Utah-----	15	9	—	—
Cleveland, Ohio-----	297	158	9	23	Phoenix, Ariz.-----	150	85	4	12
Columbus, Ohio-----	136	76	2	4	Pueblo, Colo.-----	23	13	1	3
Dayton, Ohio-----	117	71	4	2	Salt Lake City, Utah-----	64	41	3	8
Detroit, Mich.-----	368	214	12	16	Tucson, Ariz.-----	87	57	2	3
Evansville, Ind.-----	81	63	6	2					
Flint, Mich.-----	46	27	5	2	PACIFIC:	2,152	1,298	54	88
Fort Wayne, Ind.-----	38	20	3	4	Berkeley, Calif.-----	25	18	—	—
Gary, Ind.-----	33	13	1	3	Fresno, Calif.-----	61	30	3	4
Grand Rapids, Mich.-----	70	48	10	2	Glendale, Calif.-----	53	42	—	2
Indianapolis, Ind.-----	178	100	3	5	Honolulu, Hawaii-----	62	33	1	4
Madison, Wis.-----	54	25	4	6	Long Beach, Calif.-----	125	72	4	3
Milwaukee, Wis.-----	192	103	3	24	Los Angeles, Calif.-----	776	456	21	32
Peoria, Ill.-----	44	21	—	2	Oakland, Calif.-----	80	56	2	3
Rockford, Ill.-----	37	22	2	1	Pasadena, Calif.-----	46	38	1	—
South Bend, Ind.-----	43	24	4	2	Portland, Oreg.-----	163	107	4	5
Toledo, Ohio-----	125	85	5	4	Sacramento, Calif.-----	72	42	2	1
Youngstown, Ohio-----	66	48	2	1	San Diego, Calif.-----	134	69	4	10
WEST NORTH CENTRAL:	978	644	52	40	San Francisco, Calif.-----	185	104	6	8
Des Moines, Iowa-----	89	60	10	3	San Jose, Calif.-----	60	39	1	—
Duluth, Minn.-----	44	31	5	1	Seattle, Wash.-----	152	89	4	12
Kansas City, Kans.-----	42	23	1	3	Spokane, Wash.-----	106	66	1	4
Kansas City, Mo.-----	145	104	7	8	Tacoma, Wash.-----	52	37	—	—
Lincoln, Nebr.-----	45	32	4	—					
Minneapolis, Minn.-----	102	66	—	2	Total	15,368	8,878	639	852
Omaha, Nebr.-----	150	101	3	4	Expected Number	13,658	7,978	567	574
St. Louis, Mo.-----	207	122	13	12	Cumulative Total (includes reported corrections for previous weeks)	30,581	17,708	1,179	1,561
St. Paul, Minn.-----	95	68	3	2					
Wichita, Kans.-----	59	37	6	5					
Las Vegas, Nev.*	32	14	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 January 9, 1971

ASEPTIC MENINGITIS - (Continued from page 10)

cephalitis virus; all of these were reported from Ohio. Cases were evenly distributed between the sexes, and all occurred in children under 10 years of age.

An additional 94 cases were reported for which an etiologic agent other than those noted above was found. Of these 94, 53 were associated with mumps infection, with almost twice as many cases occurring in males as in females; there were no deaths reported. Measles infection was associated with six aseptic meningitis cases. All six occurred in males from 5 to 14 years of age; no deaths were reported. Recent infection with Herpes simplex virus was related to 21 reported cases, with one death; the ages ranged from 5 to 59. Seven cases were associated with influenza infection, three with adenovirus infection, and one case each with infection with Mycoplasma, crypto-

coccus, and nocardia. The cases associated with the latter two were fatal.

For 2,194 of the 2,598 reported cases, no definite etiologic agent was found. No laboratory investigation was listed for many of these cases. Approximately 60 percent of the cases occurred in males. Although all age groups were represented, almost half of the cases and deaths were in children under 10.

(Reported by the Neurotropic Viral Diseases Unit, Viral Diseases Branch, Epidemiology Program, CDC.)

A copy of the report from which these data were derived is available on request from

Center for Disease Control
Attn: Viral Diseases Branch, Epidemiology Program
Atlanta, Georgia 30333

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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.

Address all correspondence to

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