

# 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

**MENINGOCOCCAL MENINGITIS IN AN INFANT - Oregon**

On Aug. 2, 1971, a 2-day-old female infant weighing 5 lb. 12 oz. was admitted to a hospital in Portland, Oregon, due to irritability, lethargy, and a temperature of 102° F. History obtained on admission revealed that the infant was the product of a 38-week, uncomplicated pregnancy with a precipitous, unsterile delivery which occurred in a home for unwed mothers. Physical examination showed only an irritable, febrile baby. Admission laboratory studies revealed a white blood cell count of 2,200. Two lumbar punctures yielded grossly bloody cerebrospinal fluid (CSF). The infant was started immediately on ampicillin and kanamycin, but in spite of therapy, she died 4 hours later.

Cultures of CSF and post mortem lung aspirate yielded *Neisseria meningitidis*, serogroup C. Culture of a blood specimen obtained on admission showed no growth. At autopsy,

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the infant was noted to have petechial lesions of the skin, pleura, and pericardium, as well as small hemorrhagic areas in the adrenals, kidneys, and pancreas. Gram-negative diplococcal organisms were seen in sections of the choroid plexus and leptomeninges.

One day after the infant's death, specimens from the 16-year-old mother's throat and vagina were obtained. Cultures  
(Continued on page 324)

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

DISEASE	36th WEEK ENDED		MEDIAN 1966 - 1970	CUMULATIVE, FIRST 36 WEEKS		
	September 11, 1971	September 12 1970		1971	1970	MEDIAN 1966 - 1970
Aseptic meningitis	179	275	148	3,123	3,144	1,856
Brucellosis	4	7	3	114	144	153
Diphtheria	2	27	7	109	272	120
Encephalitis, primary:						
Arthropod-borne & unspecified	39	53	42	967	953	953
Encephalitis, post-infectious	3	5	10	278	320	369
Hepatitis, serum	148	111	71	5,896	4,947	2,954
Hepatitis, infectious	1,021	930	725	41,628	38,531	30,240
Malaria	53	37	37	2,194	2,336	1,513
Measles (rubeola)	145	122	122	69,552	39,487	39,487
Meningococcal infections, total	19	23	23	1,757	1,845	1,999
Civilian	17	19	22	1,564	1,657	1,822
Military	2	4	-	193	188	188
Mumps	488	552	-	99,165	75,549	-
Poliomyelitis, total	1	-	3	11	17	26
Paralytic	-	-	2	7	17	22
Rubella (German measles)	204	292	208	38,345	49,265	43,594
Tetanus	3	4	5	72	81	106
Tularemia	3	9	2	121	100	118
Typhoid fever	27	11	11	235	207	242
Typhus, tick-borne (Rky. Mt. spotted fever)	17	11	12	338	292	250
Rabies in animals	60	58	58	2,914	2,185	2,498

**TABLE II. NOTIFIABLE DISEASES OF LOW FREQUENCY**

	Cum.		Cum.
Anthrax: Miss.-2	4	Psittacosis:	25
Botulism:*	10	Rabies in Man:	1
Leprosy:	93	Rubella congenital syndrome: Calif.-1	41
Leptospirosis: Ala.-1	25	Trichinosis: N.Y. Ups.-4, Ohio-3, Pa.-1	59
Plague:	1	Typhus, murine:	17

\*Delayed reports: Botulism: Alaska 1

### MENINGOCOCCAL MENINGITIS – (Continued from front page)

of both yielded *N. meningitidis*, serogroup C. Two days later, the mother complained of a transient, mild sore throat. Following a 10-day course of phenoxymethyl penicillin orally, repeat culture of a vaginal specimen was negative; culture of a throat specimen was again positive.

During the second and third trimesters of her pregnancy, the mother had resided in a home for unwed mothers. Three of 16 throat specimens obtained from other women in the home 10 days after the infant's death yielded *N. meningitidis*, serogroup B. Cultures of vaginal specimens from these women revealed no *N. meningitidis*. One of these women was the roommate of the mother of the affected infant. All persons at the home are under observation, and no subsequent cases of meningitis have been noted.

(Reported by Herschel Lawson, M.D., resident physician, OB-GYN, Emanuel Hospital, Portland, Oregon; Frank Watts, D.V.M., Epidemiologist, Multnomah County Health Department, Oregon; Mary Murphy, R.N., Nurse Epidemiologist, Morris Chelsky, M.D., Director, General Epidemiology Section, Oregon State Health Division; and an EIS Officer.)

#### Editorial Note

*N. meningitidis* is an unusual cause of meningitis in the neonatal period (1), and is rarely isolated from the vagina (2-4). The relationship of neonatal meningitis to perinatal maternal infection with the same organism has been shown for infections with gram-negative bacilli and gram-positive cocci (5,6). This case probably represents neonatal infection with *N. meningitidis* acquired during passage through the birth canal.

#### References

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3. Keys TF: Endocervical *Neisseria meningitidis* with meningococemia. *New Eng J Med* 285:505, 1971
4. Feldman HA: Editorial. *New Eng J Med* 285:518, 1971
5. Berman PH, Banker BQ: Neonatal meningitis: a clinical and pathological study of 29 cases. *Pediatrics* 38:6, 1966
6. Keitel HG, et al: Meningitis in the newborn infant. *J Pediat* 61:39, 1966

### EASTERN EQUINE ENCEPHALOMYELITIS – New York

On Aug. 7, 1971, a horse in Oswego County, New York, became ill with signs of encephalitis. Serum obtained on August 9 showed a hemagglutination-inhibition (HI) titer of  $\geq 1280$  against Eastern equine encephalomyelitis (EEE). No significant titer was found to Western equine encephalomyelitis (WEE), Venezuelan equine encephalitis (VEE), and St. Louis encephalitis (SLE) antigens. The horse died on August 9; no virus was isolated from its brain. Another horse in the same county died on August 18 from a similar illness, but laboratory confirmation could not be obtained. On August 22 and 27, two more horses from Oswego County died; EEE was confirmed by serology and virus isolation from both.

On Aug. 20, 1971, a 1-month-old male from Oswego County had onset of fever, vomiting, and seizures and was admitted to a local hospital. Examination of cerebrospinal fluid (CSF) revealed 605 polymorphonuclear leucocytes and 10 lymphocytes with a protein of 187 mg percent and a glucose of 73 mg percent. Bacteriologic examinations of this and subsequent CSF specimens were negative. The patient's serum showed an HI titer to EEE of less than 1:320 on August 24, rising in 3 days to 1:1,280, and in 4 more days to 1:5,120. No HI antibodies were observed using WEE, SLE, and California

encephalitis antigens. Serologic examinations of specimens from the baby's mother, other family members, and neighbors have all been negative for EEE. The baby was discharged from the hospital on September 12.

The patient lives in a suburban area in a predominately rural county, over 220 miles inland from coastal marshes. On August 14, he had been outside during a picnic and received many mosquito bites. The selective aerial spraying of 30,000 acres was started on August 25 using 1 percent dichlorvos. The mosquito population was markedly reduced, and there have been no additional cases.

(Reported by David White, M.D., physician, Charlie Morris, Ph.D., entomologist, Syracuse Regional Office, Elinor Whitney, Senior Research Scientist, Rudolf Deibel, M.D., Director, Virus Laboratory, Victoria Smith, M.D., Epidemiologist, and Alan R. Hinman, M.D., Director, Bureau of Epidemiology, New York State Department of Health.)

#### Editorial Note

This is the first confirmed human case of EEE in New York and the first outbreak in horses in that state reported at such a distance from the marshes previously associated with EEE.

### INTERNATIONAL NOTES CHOLERA – Spain

On Aug. 20, 1971, a 56-year-old woman returned by plane to Hälsingborg, Sweden, from Benidorm, Spain, where she had been staying for 3 weeks. She had not felt well on the return flight and was isolated in an infectious diseases hospital on August 22. Subsequently, it was bacteriologically confirmed that she suffered from cholera biotype El tor, serotype Oga-wa. The Swedish health authorities are carrying out an epidemiological investigation of this case, including the people with whom she arrived on the charter flight. The Spanish authorities were informed and are also investigating.

On Sept. 7, 1971, Spain was again officially declared

cholera-infected, with six cases reported in Barcelona Province and eight in Valencia Province, which includes Benidorm. (Reported by the World Health Organization: *Weekly Epidemiological Record*, Vol. 46, Nos. 36-37, 1971.)

#### Editorial Note

Spain had previously been declared infected and then free of cholera this year (MMWR, Vol. 20, No. 31). Unfortunately, the clinical details of the imported case into Sweden were not given. The World Health Organization does not consider Sweden to be a currently infected area.

SUMMARY OF REPORTED CASES OF INFECTIOUS SYPHILIS

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

Reporting Area	August		Cumulative Jan.-Aug.		Reporting Area	August		Cumulative Jan.-Aug.	
	1971	1970	1971	1970		1971	1970	1971	1970
NEW ENGLAND.....	62	34	406	353	EAST SOUTH CENTRAL.....	112	72	803	507
Maine.....	1	-	8	10	Kentucky.....	28	29	219	136
New Hampshire.....	-	-	3	3	Tennessee.....	28	14	234	116
Vermont.....	2	-	5	1	Alabama.....	15	16	110	105
Massachusetts.....	34	19	209	196	Mississippi.....	41	13	240	150
Rhode Island.....	2	6	30	38	WEST SOUTH CENTRAL.....	263	368	2,458	2,564
Connecticut.....	23	9	151	105	Arkansas.....	13	22	169	179
MIDDLE ATLANTIC.....	528	529	3,849	3,609	Louisiana.....	65	73	469	489
Upstate New York.....	32	34	300	260	Oklahoma.....	11	14	67	63
New York City.....	352	400	2,600	2,590	Texas.....	174	259	1,753	1,833
Pa. (Excl. Phila.).....	19	17	98	98	MOUNTAIN.....	52	46	389	403
Philadelphia.....	43	17	157	135	Montana.....	-	3	-	6
New Jersey.....	82	61	694	526	Idaho.....	-	-	8	1
EAST NORTH CENTRAL.....	220	194	1,755	1,638	Wyoming.....	-	-	2	3
Ohio.....	33	35	326	247	Colorado.....	5	1	42	32
Indiana.....	21	34	225	303	New Mexico.....	20	8	98	83
Downstate Illinois.....	16	11	93	79	Arizona.....	19	12	143	164
Chicago.....	67	59	555	558	Utah.....	1	4	14	10
Michigan.....	77	49	514	388	Nevada.....	7	18	82	104
Wisconsin.....	6	6	42	63	PACIFIC.....	286	233	2,135	1,712
WEST NORTH CENTRAL.....	29	29	287	351	Washington.....	13	1	101	28
Minnesota.....	4	3	43	54	Oregon.....	2	3	9	21
Iowa.....	3	-	13	9	California.....	270	223	1,990	1,645
Missouri.....	21	22	165	191	Alaska.....	1	4	22	9
North Dakota.....	-	-	5	3	Hawaii.....	-	2	13	9
South Dakota.....	-	1	6	13	U. S. TOTAL.....	2,008	1,954	15,767	14,397
Nebraska.....	1	-	19	15	TERRITORIES.....	88	68	590	639
Kansas.....	-	3	36	66	Puerto Rico.....	83	67	568	617
SOUTH ATLANTIC.....	456	449	3,685	3,260	Virgin Islands.....	5	1	22	22
Delaware.....	2	7	22	83					
Maryland.....	58	30	361	279					
District of Columbia.....	64	61	396	368					
Virginia.....	24	24	232	177					
West Virginia.....	1	4	20	19					
North Carolina.....	29	32	297	326					
South Carolina.....	39	29	225	236					
Georgia.....	130	154	992	895					
Florida.....	109	108	1,140	877					

Note: Cumulative Totals include revised and delayed reports through previous months.

INTERNATIONAL NOTES  
QUARANTINE MEASURES

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

Australia

Delete the note concerning cholera, and insert: Cholera - Certificate required from travelers over one year of age arriving by air from all countries any parts of which are infected. In the absence of a certificate, these travelers are subjected to surveillance.

Indonesia

Cholera - All information concerning cholera vaccination should be deleted. Cholera vaccination certificates are no longer required from travelers arriving in Indonesia.

Italy

Delete the note concerning cholera, and insert: Cholera - From Guinea and all countries any parts of which are infected.\*

Madagascar

Insert: Cholera - And from all countries any parts of which are infected.\*

Malawi

Delete the note concerning cholera, and insert: Cholera - And from all countries in Africa (except Botswana, Lesotho, Mozambique, South Africa, Southern Rhodesia, Swaziland, Zambia) and in Asia (except Hong Kong, Japan).\*

Morocco

Insert: Cholera - Certificate required from travelers leaving Morocco.

Spain

Insert: Cholera - And from all countries any parts of which are infected.\*

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TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

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.....	179	4	2	39	53	3	148	1,021	930	53	2,194
NEW ENGLAND.....	12	-	-	1	6	-	10	69	94	-	61
Maine.....	-	-	-	-	-	-	1	14	7	-	4
New Hampshire.....	-	-	-	-	-	-	1	7	3	-	1
Vermont.....	-	-	-	-	-	-	-	8	14	-	1
Massachusetts.....	4	-	-	-	1	-	1	20	40	-	41
Rhode Island.....	8	-	-	1	5	-	3	11	15	-	6
Connecticut.....	-	-	-	-	-	-	4	9	15	-	8
MIDDLE ATLANTIC.....	38	-	-	3	5	-	56	155	162	1	216
New York City.....	20	-	-	-	-	-	25	22	14	-	22
New York, Up-State...	9	-	-	1	3	-	7	34	25	-	63
New Jersey.....	8	-	-	1	-	-	9	47	43	1	87
Pennsylvania.....	1	-	-	1	2	-	15	52	80	-	44
EAST NORTH CENTRAL.....	14	-	-	5	18	1	22	137	126	-	143
Ohio.....	5	-	-	4	14	-	6	22	21	-	18
Indiana.....	-	-	-	-	-	-	-	7	14	-	11
Illinois.....	2	-	-	1	2	1	4	46	19	-	41
Michigan.....	7	-	-	-	2	-	11	53	65	-	48
Wisconsin.....	-	-	-	-	-	-	1	9	7	-	25
WEST NORTH CENTRAL.....	14	2	-	4	5	1	4	33	42	3	208
Minnesota.....	13	-	-	-	3	-	1	6	4	-	22
Iowa.....	-	2	-	2	2	-	-	5	15	-	25
Missouri.....	1	-	-	-	-	-	-	4	15	1	26
North Dakota.....	-	-	-	-	-	1	-	2	-	1	3
South Dakota.....	-	-	-	1	-	-	-	-	-	-	1
Nebraska.....	-	-	-	-	-	-	-	2	3	-	12
Kansas.....	-	-	-	1	-	-	3	14	5	1	119
SOUTH ATLANTIC.....	40	-	-	14	9	-	11	180	124	2	351
Delaware.....	-	-	-	-	1	-	-	4	-	-	1
Maryland.....	8	-	-	1	-	-	1	16	17	-	49
Dist. of Columbia...	-	-	-	-	-	-	-	-	1	-	4
Virginia.....	5	-	-	1	1	-	1	21	31	1	58
West Virginia.....	3	-	-	-	2	-	-	5	2	-	7
North Carolina.....	-	-	-	2	-	-	4	38	15	-	120
South Carolina.....	2	-	-	-	-	-	1	20	9	1	18
Georgia.....	6	-	-	-	-	-	-	19	22	-	57
Florida.....	16	-	-	10	5	-	4	57	27	-	37
EAST SOUTH CENTRAL.....	13	-	-	4	1	-	4	52	59	27	153
Kentucky.....	-	-	-	-	-	-	-	13	27	27	127
Tennessee.....	7	-	-	3	1	-	2	23	18	-	-
Alabama.....	2	-	-	-	-	-	2	11	11	-	20
Mississippi.....	4	-	-	1	-	-	-	5	3	-	6
WEST SOUTH CENTRAL.....	22	2	2	4	1	1	10	121	108	13	468
Arkansas.....	-	-	-	-	-	-	-	6	-	-	17
Louisiana.....	7	-	-	-	-	-	9	11	12	-	35
Oklahoma.....	12	1	-	3	-	-	-	33	11	1	66
Texas.....	3	1	2	1	1	1	1	71	85	12	350
MOUNTAIN.....	2	-	-	-	1	-	2	46	53	-	116
Montana.....	1	-	-	-	-	-	-	3	2	-	1
Idaho.....	1	-	-	-	-	-	-	4	1	-	5
Wyoming.....	-	-	-	-	-	-	-	4	1	-	3
Colorado.....	-	-	-	-	-	-	-	6	8	-	87
New Mexico.....	-	-	-	-	-	-	-	3	11	-	7
Arizona.....	-	-	-	-	-	-	-	11	11	-	8
Utah.....	-	-	-	-	-	-	2	7	3	-	3
Nevada.....	-	-	-	-	1	-	-	8	16	-	2
PACIFIC.....	24	-	-	4	7	-	29	228	162	7	478
Washington.....	-	-	-	-	-	-	-	12	19	-	1
Oregon.....	-	-	-	-	3	-	2	41	23	-	19
California.....	24	-	-	3	4	-	27	170	120	5	404
Alaska.....	-	-	-	-	-	-	-	-	-	-	5
Hawaii.....	-	-	-	1	-	-	-	5	-	2	49
Puerto Rico*.....	-	-	-	-	-	-	-	-	20	-	18
Virgin Islands.....	-	-	-	-	-	-	-	1	5	-	-

\*Delayed reports: Hepatitis, infectious: Me. 1, N.J. delete 3, P.R. 12

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
FOR WEEKS ENDED  
SEPTEMBER 11, 1971 AND SEPTEMBER 12, 1970 (36th WEEK) - CONTINUED

AREA	MEASLES (Rubeola)			MENINGOCOCCAL INFECTIONS, TOTAL			MUMPS		POLIOMYELITIS		
	1971	Cumulative		1971	Cumulative		1971	Cum.	Total	Paralytic	
		1971	1970		1971	1970			1971	1971	Cum. 1971
UNITED STATES.....	145	69,552	39,487	19	1,757	1,845	488	99,165	1	-	7
NEW ENGLAND.....	8	3,439	860	-	78	81	23	6,075	-	-	-
Maine.....	2	1,462	204	-	8	3	6	1,196	-	-	-
New Hampshire.....	1	207	50	-	13	8	2	651	-	-	-
Vermont.....	-	116	8	-	-	7	4	373	-	-	-
Massachusetts.....	2	255	393	-	30	36	6	1,466	-	-	-
Rhode Island.....	-	238	120	-	3	5	2	1,184	-	-	-
Connecticut.....	3	1,161	85	-	24	22	3	1,205	-	-	-
MIDDLE ATLANTIC.....	9	7,497	4,832	4	243	335	14	6,222	1	-	-
New York City.....	6	3,750	871	2	53	81	13	1,732	-	-	-
New York, Up-State...	1	649	274	2	69	66	NN	NN	-	-	-
New Jersey.....	-	1,189	1,702	-	54	128	-	1,666	-	-	-
Pennsylvania.....	2	1,909	1,985	-	67	60	1	2,824	1	-	-
EAST NORTH CENTRAL.....	55	15,271	9,762	3	201	208	204	40,306	-	-	-
Ohio.....	3	3,983	3,805	1	64	83	16	7,709	-	-	-
Indiana.....	5	2,730	270	-	14	19	4	5,097	-	-	-
Illinois.....	8	2,958	3,048	1	58	45	18	4,228	-	-	-
Michigan.....	8	2,287	1,718	1	53	52	37	9,483	-	-	-
Wisconsin.....	31	3,313	921	-	12	9	129	13,789	-	-	-
WEST NORTH CENTRAL.....	7	6,797	3,863	-	128	96	53	6,525	-	-	-
Minnesota.....	1	53	38	-	21	13	2	1,099	-	-	-
Iowa.....	3	2,242	1,147	-	9	12	42	2,969	-	-	-
Missouri.....	1	2,600	1,275	-	46	56	4	1,030	-	-	-
North Dakota.....	1	236	318	-	6	5	3	330	-	-	-
South Dakota.....	-	215	93	-	5	-	2	238	-	-	-
Nebraska.....	-	64	924	-	14	5	-	93	-	-	-
Kansas.....	1	1,387	68	-	27	5	-	766	-	-	-
SOUTH ATLANTIC.....	11	8,349	7,152	6	312	376	41	7,170	-	-	1
Delaware.....	-	38	260	-	2	3	-	168	-	-	-
Maryland.....	-	539	1,376	-	45	35	7	653	-	-	-
Dist. of Columbia...	-	15	343	-	13	3	-	90	-	-	-
Virginia.....	1	1,580	1,981	2	37	40	8	963	-	-	-
West Virginia.....	6	500	312	-	7	10	10	1,852	-	-	-
North Carolina.....	-	1,927	861	1	54	76	NN	NN	-	-	-
South Carolina.....	1	904	595	-	20	44	3	852	-	-	-
Georgia.....	1	1,073	14	-	23	34	-	11	-	-	1
Florida.....	2	1,773	1,410	3	111	131	13	2,581	-	-	-
EAST SOUTH CENTRAL.....	11	8,189	1,319	1	152	134	28	7,720	-	-	-
Kentucky.....	3	3,899	755	1	40	45	12	2,335	-	-	-
Tennessee.....	-	1,017	377	-	61	58	16	4,371	-	-	-
Alabama.....	7	1,860	98	-	28	21	-	880	-	-	-
Mississippi.....	1	1,413	89	-	23	10	-	134	-	-	-
WEST SOUTH CENTRAL.....	21	12,402	7,549	1	147	252	49	8,045	-	-	3
Arkansas.....	1	778	30	-	5	22	-	89	-	-	-
Louisiana.....	2	1,672	100	-	51	62	-	134	-	-	-
Oklahoma.....	-	750	452	-	7	20	1	181	-	-	-
Texas.....	18	9,202	6,967	1	84	148	48	7,641	-	-	3
MOUNTAIN.....	6	3,217	1,522	-	54	38	16	3,981	-	-	1
Montana.....	1	925	61	-	6	1	2	393	-	-	-
Idaho.....	-	271	40	-	10	6	1	121	-	-	-
Wyoming.....	-	85	11	-	2	2	-	274	-	-	-
Colorado.....	-	826	183	-	7	12	1	1,302	-	-	-
New Mexico.....	2	360	202	-	4	1	5	635	-	-	-
Arizona.....	3	414	969	-	8	13	7	1,100	-	-	-
Utah.....	-	329	35	-	14	2	-	156	-	-	-
Nevada.....	-	7	21	-	3	1	-	-	-	-	1
PACIFIC.....	17	4,391	2,628	4	442	325	60	13,121	-	-	2
Washington.....	3	1,026	525	1	25	43	12	5,255	-	-	1
Oregon.....	-	370	228	1	33	25	11	1,322	-	-	1
California.....	8	2,559	1,554	2	376	255	28	5,603	-	-	-
Alaska.....	---	54	138	---	-	-	---	78	---	---	-
Hawaii.....	6	382	183	-	8	2	9	863	-	-	-
Puerto Rico.....	---	496	887	---	8	5	---	963	---	---	-
Virgin Islands.....	---	17	6	---	-	-	10	58	---	---	-

\*Delayed reports: Measles: P.R. 29

Meningococcal infections: Ohio delete 1, Mo. 1

Mumps: P.R. 21

## Morbidity and Mortality Weekly Report

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
FOR WEEKS ENDED  
SEPTEMBER 11, 1971 AND SEPTEMBER 12, 1970 (36th 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.....	204	38,345	3	72	3	121	27	235	17	338	60	2,914
NEW ENGLAND.....	7	1,709	-	4	-	-	2	14	-	2	5	187
Maine*.....	3	261	-	-	-	-	-	2	-	-	4	170
New Hampshire.....	-	46	-	1	-	-	-	-	-	-	-	1
Vermont.....	-	94	-	-	-	-	-	-	-	-	-	11
Massachusetts.....	-	820	-	1	-	-	2	9	-	-	-	4
Rhode Island.....	1	97	-	-	-	-	-	-	-	2	1	1
Connecticut.....	3	391	-	2	-	-	-	3	-	-	-	-
MIDDLE ATLANTIC.....	11	2,509	-	6	-	-	13	47	2	31	3	132
New York City.....	4	539	-	5	-	-	1	12	-	1	-	-
New York, Up-State..	7	404	-	1	-	-	-	12	-	15	1	113
New Jersey.....	-	573	-	-	-	-	-	5	-	6	-	-
Pennsylvania.....	-	993	-	-	-	-	12	18	2	9	2	19
EAST NORTH CENTRAL....	65	8,288	3	10	-	5	1	27	1	17	8	310
Ohio.....	2	956	-	1	-	1	1	13	1	14	-	89
Indiana.....	17	2,017	-	1	-	-	-	4	-	-	4	66
Illinois.....	7	1,253	3	6	-	1	-	6	-	3	2	58
Michigan.....	6	2,603	-	2	-	1	-	4	-	-	1	40
Wisconsin.....	33	1,459	-	-	-	2	-	-	-	-	1	57
WEST NORTH CENTRAL....	5	3,174	-	5	-	17	1	3	-	5	13	781
Minnesota.....	2	274	-	2	-	-	-	-	-	-	1	165
Iowa.....	1	664	-	1	-	-	-	-	-	1	5	183
Missouri.....	-	1,349	-	2	-	13	1	3	-	2	2	112
North Dakota.....	-	93	-	-	-	-	-	-	-	-	2	145
South Dakota.....	1	96	-	-	-	1	-	-	-	-	1	84
Nebraska.....	1	87	-	-	-	-	-	-	-	-	-	5
Kansas.....	-	611	-	-	-	3	-	-	-	2	2	87
SOUTH ATLANTIC.....	32	3,045	-	17	-	18	5	35	9	178	10	320
Delaware.....	-	46	-	-	-	-	-	1	-	2	-	-
Maryland.....	17	150	-	1	-	3	-	3	-	30	-	1
Dist. of Columbia..	-	8	-	-	-	-	-	1	-	-	-	-
Virginia.....	-	207	-	2	-	8	5	8	1	25	1	63
West Virginia.....	14	606	-	-	-	-	-	3	-	3	2	106
North Carolina.....	-	45	-	1	-	4	-	3	6	93	-	5
South Carolina.....	1	432	-	-	-	-	-	1	2	14	-	-
Georgia.....	-	-	-	2	-	1	-	2	-	11	4	105
Florida.....	-	1,551	-	11	-	2	-	13	-	-	3	40
EAST SOUTH CENTRAL....	21	3,229	-	9	-	10	2	28	4	56	4	270
Kentucky.....	6	1,114	-	-	-	2	-	6	2	12	1	139
Tennessee.....	11	1,840	-	6	-	5	2	18	-	32	2	87
Alabama.....	4	202	-	2	-	2	-	4	1	6	-	41
Mississippi.....	-	73	-	1	-	1	-	-	1	6	1	3
WEST SOUTH CENTRAL....	38	4,634	-	11	2	49	-	24	1	39	4	591
Arkansas*.....	1	335	-	1	1	19	-	7	-	5	-	73
Louisiana.....	-	280	-	1	-	7	-	6	-	1	-	21
Oklahoma.....	-	68	-	1	1	15	-	2	-	26	1	244
Texas.....	37	3,951	-	8	-	8	-	9	1	7	3	253
MOUNTAIN.....	6	1,894	-	2	-	19	-	8	-	10	2	55
Montana.....	-	112	-	-	-	1	-	-	-	3	-	-
Idaho.....	-	39	-	1	-	1	-	-	-	3	-	-
Wyoming.....	-	859	-	-	-	-	-	-	-	-	-	8
Colorado*.....	1	267	-	-	-	-	-	1	-	2	-	11
New Mexico.....	4	213	-	-	-	-	-	5	-	-	-	8
Arizona.....	-	335	-	1	-	-	-	2	-	-	1	19
Utah.....	1	55	-	-	-	17	-	-	-	1	1	7
Nevada.....	-	14	-	-	-	-	-	-	-	1	-	2
PACIFIC.....	19	9,863	-	8	1	3	3	49	-	-	11	268
Washington.....	3	1,333	-	1	-	-	-	-	-	-	-	-
Oregon.....	5	724	-	1	-	2	-	-	-	-	1	7
California.....	11	7,613	-	6	1	1	3	44	-	-	10	227
Alaska.....	-	43	-	-	-	-	-	1	-	-	-	34
Hawaii.....	-	150	-	-	-	-	-	4	-	-	-	-
Puerto Rico*.....	-	62	-	7	-	-	-	2	-	-	-	54
Virgin Islands.....	-	-	-	-	-	-	-	-	-	-	-	-

\*Delayed reports: Tetanus: P.R. 2

Typhoid fever: Ark. 1, Colo. 1

Rabies in animals: Me. 2, P.R. 2

# Morbidity and Mortality Weekly Report

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Week No. 36 TABLE IV. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED SEPTEMBER 11, 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		
<b>NEW ENGLAND:</b>	641	377	42	27	<b>SOUTH ATLANTIC:</b>	980	481	22	77
Boston, Mass.-----	195	113	9	12	Atlanta, Ga.-----	101	44	3	7
Bridgeport, Conn.-----	45	29	2	—	Baltimore, Md.-----	186	89	2	6
Cambridge, Mass.-----	20	14	3	—	Charlotte, N. C.-----	51	24	—	5
Fall River, Mass.-----	28	17	1	1	Jacksonville, Fla.-----	61	32	1	5
Hartford, Conn.-----	45	22	—	2	Miami, Fla.-----	119	61	1	10
Lowell, Mass.-----	28	18	5	2	Norfolk, Va.-----	50	28	1	2
Lynn, Mass.-----	22	15	2	—	Richmond, Va.-----	83	48	3	3
New Bedford, Mass.-----	29	19	3	—	Savannah, Ga.-----	26	10	1	1
New Haven, Conn.-----	43	22	1	6	St. Petersburg, Fla.-----	80	56	1	2
Providence, R. I.-----	55	30	6	1	Tampa, Fla.-----	78	36	5	6
Somerville, Mass.-----	14	13	1	—	Washington, D. C.-----	99	39	2	27
Springfield, Mass.-----	49	26	8	1	Wilmington, Del.-----	46	14	2	3
Waterbury, Conn.-----	24	13	—	—					
Worcester, Mass.-----	44	26	1	2	<b>EAST SOUTH CENTRAL:</b>	529	277	29	27
<b>MIDDLE ATLANTIC:</b>	2,964	1,766	122	108	Birmingham, Ala.-----	72	36	2	—
Albany, N. Y.-----	63	39	1	7	Chattanooga, Tenn.-----	28	17	1	3
Allentown, Pa.-----	21	13	1	1	Knoxville, Tenn.-----	29	17	—	3
Buffalo, N. Y.-----	140	89	3	7	Louisville, Ky.-----	111	73	10	4
Camden, N. J.-----	33	22	—	1	Memphis, Tenn.-----	135	64	9	8
Elizabeth, N. J.-----	27	17	1	—	Mobile, Ala.-----	49	22	—	3
Erie, Pa.-----	43	26	3	1	Montgomery, Ala.-----	29	11	4	1
Jersey City, N. J.-----	64	46	—	1	Nashville, Tenn.-----	76	37	3	5
Newark, N. J.-----	61	32	—	1	<b>WEST SOUTH CENTRAL:</b>	991	526	31	77
New York City, N. Y.†	1,599	909	56	56	Austin, Tex.-----	30	20	—	2
Paterson, N. J.-----	36	20	—	2	Baton Rouge, La.-----	41	25	1	3
Philadelphia, Pa.-----	297	177	3	8	Corpus Christi, Tex.-----	27	15	—	3
Pittsburgh, Pa.-----	157	88	12	5	Dallas, Tex.-----	131	56	1	8
Reading, Pa.-----	42	33	3	1	El Paso, Tex.-----	46	20	—	12
Rochester, N. Y.-----	125	86	21	7	Fort Worth, Tex.-----	61	38	3	5
Schenectady, N. Y.-----	24	16	3	1	Houston, Tex.-----	164	76	3	8
Scranton, Pa.-----	37	23	1	2	Little Rock, Ark.-----	52	28	3	5
Syracuse, N. Y.-----	95	63	7	4	New Orleans, La.-----	146	77	4	10
Trenton, N. J.-----	35	21	—	1	Oklahoma City, Okla.-----	69	41	—	5
Utica, N. Y.-----	27	19	5	1	San Antonio, Tex.-----	100	56	4	8
Yonkers, N. Y.-----	38	27	2	1	Shreveport, La.-----	63	31	6	5
					Tulsa, Okla.-----	61	43	6	3
<b>EAST NORTH CENTRAL:</b>	2,337	1,334	72	104	<b>MOUNTAIN:</b>	429	234	13	26
Akron, Ohio-----	50	31	—	3	Albuquerque, N. Mex.-----	30	9	1	1
Canton, Ohio-----	38	29	10	1	Colorado Springs, Colo.-----	37	24	2	1
Chicago, Ill.-----	671	361	19	34	Denver, Colo.-----	113	68	3	1
Cincinnati, Ohio-----	118	75	1	6	Ogden, Utah-----	21	10	1	—
Cleveland, Ohio-----	172	77	6	14	Phoenix, Ariz.-----	110	56	1	12
Columbus, Ohio-----	90	44	—	5	Pueblo, Colo.-----	24	20	4	—
Dayton, Ohio-----	93	51	1	3	Salt Lake City, Utah-----	45	21	—	10
Detroit, Mich.-----	320	190	5	10	Tucson, Ariz.-----	49	26	1	1
Evansville, Ind.-----	48	32	1	—	<b>PACIFIC:</b>	1,134	650	17	46
Flint, Mich.-----	47	23	—	2	Berkeley, Calif.-----	21	16	—	—
Fort Wayne, Ind.-----	45	28	1	1	Fresno, Calif.-----	19	11	—	1
Gary, Ind.-----	25	12	3	—	Glendale, Calif.-----	24	19	—	—
Grand Rapids, Mich.-----	47	32	4	3	Honolulu, Hawaii-----	57	21	—	6
Indianapolis, Ind.-----	118	60	1	7	Long Beach, Calif.-----	93	56	5	3
Madison, Wis.-----	32	19	3	—	Los Angeles, Calif.-----	277	153	6	10
Milwaukee, Wis.-----	133	84	3	3	Oakland, Calif.-----	57	31	—	5
Peoria, Ill.-----	46	29	—	3	Pasadena, Calif.-----	30	16	1	—
Rockford, Ill.-----	56	33	8	4	Portland, Oreg.-----	90	59	3	4
South Bend, Ind.-----	40	30	4	—	Sacramento, Calif.-----	56	34	—	—
Toledo, Ohio-----	87	56	1	4	San Diego, Calif.-----	64	34	—	5
Youngstown, Ohio-----	61	38	1	1	San Francisco, Calif.-----	121	62	1	4
<b>WEST NORTH CENTRAL:</b>	689	426	14	30	San Jose, Calif.-----	41	27	—	1
Des Moines, Iowa-----	45	36	1	2	Seattle, Wash.-----	120	72	1	5
Duluth, Minn.-----	12	8	—	—	Spokane, Wash.-----	35	21	—	2
Kansas City, Kans.-----	42	18	3	5	Tacoma, Wash.-----	29	18	—	—
Kansas City, Mo.-----	138	80	2	3					
Lincoln, Nebr.-----	19	13	—	1	<b>Total</b>	<b>10,694</b>	<b>6,071</b>	<b>362</b>	<b>522</b>
Minneapolis, Minn.-----	70	43	1	2	<b>Expected Number</b>	<b>12,165</b>	<b>6,894</b>	<b>386</b>	<b>519</b>
Omaha, Nebr.-----	82	50	—	10	<b>Cumulative Total</b>	<b>461,974</b>	<b>265,389</b>	<b>17,169</b>	<b>20,683</b>
St. Louis, Mo.-----	191	124	3	2	(includes reported corrections for previous weeks)				
St. Paul, Minn.-----	55	36	—	2					
Wichita, Kans.-----	35	18	4	3					
Las Vegas, Nev.*	18	10	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.

## QUARANTINE MEASURES – (Continued from page 325)

Changes in the "Supplement – United States Designated Yellow Fever Vaccination Centers," MMWR, Vol. 20, No. 9

The following additions should be made in the list of United States Designated Yellow Fever Vaccination Centers:

**ILLINOIS**

**Carbondale** Southern Illinois University Health Service  
115 Small Group Housing, 62901  
618, 453-3311  
Clinic hours: By appointment, 2nd and 4th  
Thurs., 2 p.m.  
Fee charged

**LOUISIANA**

**Maringouin** Beamon-O'Neal Clinic  
Box 98, 70757  
504, 625-2313  
Clinic hours: By appointment, Mon.-Fri.,  
8 a.m.-4 p.m.  
Fee charged

**MONTANA**

**Billings** City Health Dept.  
1224 North 28th St., 59101  
406, 245-3847  
Clinic hours: Mon.-Fri., 9 a.m.-noon, 1-5 p.m.;  
Sat., 9 a.m.-noon  
Fee charged

**OHIO**

**Columbus** Columbus Health Dept.  
181 Washington Blvd., 43215  
614, 461-5766  
Clinic hours: Wed., 2-3 p.m.  
Fee charged

The following changes should be made in the list of United States Designated Yellow Fever Vaccination Centers:

**CALIFORNIA**

**Napa** Napa County Health Dept.  
Change address to: 2281 Elm St., 94558  
Change clinic hours to: By appointment  
Tues., 1:15 p.m.

**ILLINOIS**

**Springfield** Dept. of Public Health  
Change address to:  
Jefferson West II  
535 West Jefferson St., 62706

**OKLAHOMA**

**Norman** Student Health Service  
Change name to: Goddard Health  
Center  
Change address to: 620 Elm, 73069

**PENNSYLVANIA**

**Philadelphia** Hospital of the University of Penn-  
sylvania, 19104  
Change hours to: By appointment,  
Mon.-Wed., 9-11:30 a.m.

**RHODE ISLAND**

**Providence** Dept. of Health, 02903  
Change address to: Division of Epi-  
demiology, 105 Health Building

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Director, Center for Disease Control  
Director, Epidemiology Program, CDC  
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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 or case investigations of current interest to health officials.

Address all correspondence to: Center for Disease Control  
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