

# 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**  
**HUMAN RABIES - California**

On Jan. 10 and 13, 1972, a 70-year-old resident of California who was visiting relatives in the Philippines was bitten on both hands by a sick dog. It reportedly bit eight other persons and was killed on January 13. The dog, which was approximately 10 months old, had been vaccinated against rabies with Semple nervous tissue vaccine at the age of 3 months; it was not examined for rabies.

The California resident returned to his home near Fresno on February 4 and in the following days, complained of tiredness and lack of appetite. On February 9, he had trouble swallowing and breathing; at that time, he told his roommate about having been bitten by a dog. He was taken to a local hospital, where he exhibited agitation, anxiety, and marked difficulty swallowing.

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On February 10, the patient was admitted to a hospital in Fresno. At that time, he had distinct hydrophobia and a temperature of 100.4°F.; the rest of the physical and neurologic examination was normal. Past history revealed that the patient had had diabetes mellitus diagnosed in 1940, active pulmonary tuberculosis in 1967, and severe obstructive pulmonary disease with a vital capacity and forced expiratory volume below 50% of normal documented in 1968.

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

DISEASE	9th WEEK ENDED		MEDIAN 1967-1971	CUMULATIVE, FIRST 9 WEEKS		
	March 4, 1972	March 6, 1971		1972	1971	MEDIAN 1967-1971
Aseptic meningitis	21	63	30	316	502	257
Brucellosis	1	2	5	16	12	16
Chickenpox	3,387	---	---	25,520	---	---
Diphtheria	3	6	2	21	36	28
Encephalitis, primary:						
Arthropod-borne & unspecified	13	19	19	140	195	179
Encephalitis, post-infectious	4	5	8	40	54	64
Hepatitis, serum	233	152	106	1,702	1,466	881
Hepatitis, infectious	1,101	1,238	993	9,835	11,119	7,816
Malaria	18	39	59	300	634	417
Measles (rubeola)	786	2,040	1,348	5,952	14,410	9,011
Meningococcal infections, total	35	76	76	330	543	621
Civilian	35	57	57	321	470	576
Military	---	19	13	9	73	46
Mumps	1,972	4,254	---	18,684	29,894	---
Rubella (German measles)	612	1,529	1,209	4,827	8,576	7,400
Tetanus	2	3	2	11	11	15
Tuberculosis, new active	639	---	---	4,897	---	---
Tularemia	2	1	1	19	20	20
Typhoid fever	8	7	4	45	48	41
Typhus, tick-borne (Rky. Mt. spotted fever)	---	---	---	9	3	3
Venereal Diseases:						
Gonorrhea	12,984	---	---	113,419	---	---
Syphilis, primary and secondary	429	---	---	3,793	---	---
Rabies in animals	88	77	86	595	672	648

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

	Cum.		Cum.
Anthrax:	---	Poliomyelitis, total:	4
Botulism:	---	Paralytic:	4
Congenital rubella syndrome: * Calif. - 1, Conn. - 1	6	Psittacosis:	4
Leprosy: Conn. - 1, Tex. - 1	18	Rabies in man:	1
Leptospirosis:	2	Trichinosis: Conn. - 1	17
Plague:	---	Typhus, murine:	4

\*Delayed reports: Congenital rubella syndrome: Colo. 1

**HUMAN RABIES – Continued**

On February 12, the patient was found lying on the floor beside his bed, confused and mumbling. His blood pressure was 60/30, and blood gases revealed a  $pO_2$  of 49,  $pCO_2$  of 47, and a pH of 7.39. He was treated with intermittent positive pressure breathing and intravenous fluids. Paralysis developed during the next several days; it was most marked in the left upper extremity but progressed to total flaccid paralysis by February 16.

A number of problems, including diabetic hyperglycemia, pseudomonas septicemia, and hypotension, developed during the patient's hospital stay. A tracheostomy was performed, and he received intensive pulmonary and cardiac care. He was treated with antirabies serum, dexamethasone, isoniazid, insulin, dilantin, aramine, gentamycin, and carbenicillin. The patient's clinical status was stable until February 22, when, while being repositioned, he experienced marked bradycardia and hypotension progressing to cardiac arrest. He was resuscitated; however, approximately 20 minutes later bilateral tension pneumothorax was discovered which did not respond to efforts at decompression. The patient died shortly thereafter. The diagnosis of rabies was confirmed

by viral isolation from saliva and brain tissue. The other eight persons who had been bitten by the dog received antirabies treatment on February 22 after they learned of the patient's illness.

(Reported by Roger K. Larson, M.D., Chief, Department of Medicine, Michael Adam, M.D., Resident in Medicine, Valley Medical Center, Fresno, California; Richard Emmons, M.D., Epidemiologist, California State Viral and Rickettsial Diseases Laboratory, James Chin, M.D., Chief, Bureau of Communicable Disease Control, California Department of Public Health; and three EIS Officers.)

**Editorial Note**

This is the second case of human rabies acquired outside of the United States and reported from California in 2 years (MMWR, Vol. 20, Nos. 15 and 16). Neither patient received post-exposure rabies prophylaxis. They both received intensive medical care patterned after that used in the case of non-fatal rabies in 1970 (MMWR, Vol. 19, No. 50, and Vol. 20, No. 7). In both California cases, death resulted from an unexpected complication of intensive care (thrombosis of the superior vena cava and bilateral tension pneumothorax).

**CALIFORNIA ENCEPHALITIS – New York**

In July and August 1971, five serologically confirmed cases of California encephalitis occurred in Albany and Schenectady counties, New York. The five cases were confined to a small area comprising adjacent suburban sections of both counties. The patients were between 6 and 15 years of age; four were boys. All were hospitalized with moderate to severe symptoms, including headache, high fever, nuchal rigidity, and convulsions. All patients recovered.

A restricted serologic survey of 11 neighbors and family members of the cases revealed that two females, one a family member and one a neighbor, had neutralizing antibodies to California encephalitis virus. These two are assumed to represent subclinical infections.

A mosquito light trap located near the residences of the patients collected *Aedes canadensis* from May until mid-summer, *A. stimulans* in June, July, and early August, and *A. vexans* in August and September. In addition, inspection of the woodland areas interspersed among the suburban locations where the encephalitis cases occurred contained a sizable population of *A. triseriatus* larvae and adults from late July to the end of August. No virus isolations were made from any of these mosquitoes; however, all of the species are potential

vectors of encephalitis. In 1969, two cases of California encephalitis were reported from the same area where the present cases occurred (1).

(Reported by Alan R. Hinman, M.D., Assistant Commissioner for Epidemiology and Preventive Health Services, Rudolf Deibel, M.D., Director, Virus Laboratory, Victoria L. Smith, M.D., Public Health physician, Elinor Whitney, Senior Research Scientist, Thomas F. Bast, Ph.D., Associate Medical Entomologist, and Jorge L. Benach, Ph.D., Medical Entomologist, Division of Laboratories and Research, Bureau of Acute Communicable Disease Control, New York State Department of Health.)

**Editorial Note**

California encephalitis is a relatively benign illness that has been reported primarily from Ohio, Wisconsin, Minnesota, and Iowa. Cases usually occur in persons under 20 years of age; male cases predominate. In 1970, 89 cases of California encephalitis were reported in the United States; two of these occurred in New York.

**Reference**

1. Vianna N, Whitney E, Bast T, Deibel R, Doll J, Culver J: California encephalitis in New York State. *Am J Epidemiol* 94:50-55, 1971

**INTERNATIONAL NOTES****ISOLATIONS OF POLIOMYELITIS VIRUS – United Kingdom, 1971**

Although paralytic poliomyelitis is a rare disease in England, isolations of the polio viruses are often reported; in 1971, 202 were reported (Table 1). These isolations were derived from three sources. The first was from asymptomatic persons, usually children, in whom the presence of the virus was a chance finding or the result of a routine examination. The second was from patients with symptoms, usually neurologic, other than paralysis (for example, meningitis or encephalitis). The third source was from patients in whom the isolation of the virus was associated with paralysis indicative of paralytic poliomyelitis. It was often difficult, however, to be certain from the reports of these sporadic cases whether or

not the virus isolated was actually the real cause of the illness.

Isolations without associated symptoms are by far the most numerous, and of the 202 reported, approximately 178 were in this group. Most of these isolations were obtained from infants or young children under 4 years of age. The majority of these are probably the result of normal excretion expected after oral vaccination with attenuated vaccine or the result of contact with a recently vaccinated child.

In 1971, there were 17 patients in the second group where the isolation of the virus was associated with symptoms other than paralysis. Eight were adults over 20 years of age, four were between 10 and 20 years, two were between 5 and

**Table 1**  
**Poliomyelitis Virus Isolations, By Type**  
**United Kingdom, 1967-1971**

Year	Type		
	1	2	3
1967	81	83	74
1968	94	87	73
1969	40	64	40
1970	59	60	62
1971	56	83	63

9, and the remaining three were younger children. Only one of these patients was known to have been vaccinated against poliomyelitis. This was an infant who had received triple vaccine orally and who experienced convulsions 18 days later.

There were seven patients in the third group in whom paralysis occurred. Three were infants under 6 months of age, two were children aged 7 and 12 years, and the remaining two were young adults. Each of the infants had received attenuated poliomyelitis vaccine within the previous 3 weeks. The 7-year-old patient, who died, had not been vaccinated. The 12-year-old child had been given killed vaccine 10 years before and experienced transverse myelitis with paralysis and sensory loss. One of the two adults was a young man of 23 in whom facial paralysis developed; he had been vaccinated 8 years previously. The last patient was a 30-year-old woman who had never received vaccine, but whose child was given attenuated poliomyelitis vaccine 4 weeks before she became ill. (From notes based on reports to the Public Health Laboratory Service from Public Health and Hospital Laboratories in the United Kingdom and Republic Ireland, published in the British Medical Journal, March 4, 1972.)

**SUMMARY OF REPORTED CASES OF INFECTIOUS SYPHILIS**

CASES OF PRIMARY AND SECONDARY SYPHILIS: By Reporting Areas February 1971 and February 1972 - Provisional Data

Reporting Area	FEBRUARY		Cumulative Jan. - Feb.		Reporting Area	FEBRUARY		Cumulative Jan. - Feb.	
	1972	1971	1972	1971		1972	1971	1972	1971
<b>NEW ENGLAND</b>	78	61	141	100	<b>EAST SOUTH CENTRAL</b>	97	68	212	161
Maine	2	1	3	2	Kentucky	15	21	25	49
New Hampshire	-	-	-	-	Tennessee	32	21	102	47
Vermont	-	1	-	1	Alabama	21	7	28	18
Massachusetts	44	30	74	50	Mississippi	29	19	57	47
Rhode Island	4	7	4	7	<b>WEST SOUTH CENTRAL</b>	232	336	504	655
Connecticut	28	22	60	40	Arkansas	23	14	51	38
<b>MIDDLE ATLANTIC</b>	422	467	862	1,008	Louisiana	48	49	116	96
Upstate New York	30	37	70	81	Oklahoma	8	5	15	10
New York City	273	305	566	682	Texas	153	268	322	511
Pa. (Excl. Phila.)	14	13	28	28	<b>MOUNTAIN</b>	33	50	67	94
Philadelphia	32	15	55	23	Montana	1	-	1	-
New Jersey	73	97	143	194	Idaho	-	-	1	-
<b>EAST NORTH CENTRAL</b>	205	208	444	422	Wyoming	1	1	3	1
Ohio	31	35	48	75	Colorado	2	3	4	6
Indiana	14	27	25	57	New Mexico	8	9	20	18
Downstate Illinois	14	10	28	20	Arizona	16	22	29	38
Chicago	78	75	189	132	Utah	1	4	1	5
Michigan	64	55	148	124	Nevada	4	11	8	26
Wisconsin	4	6	6	14	<b>PACIFIC</b>	243	212	538	448
<b>WEST NORTH CENTRAL</b>	14	39	45	84	Washington	4	9	15	20
Minnesota	4	6	5	12	Oregon	6	-	8	2
Iowa	-	-	2	-	California	227	198	506	421
Missouri	7	23	28	52	Alaska	2	3	2	3
North Dakota	-	-	-	-	Hawaii	4	2	7	2
South Dakota	-	-	-	1	<b>U.S. TOTAL</b>	1,813	1,859	3,801	3,900
Nebraska	-	5	3	7	<b>TERRITORIES</b>	74	57	139	118
Kansas	3	5	7	12	Puerto Rico	69	53	127	113
<b>SOUTH ATLANTIC</b>	489	418	988	928	Virgin Islands	5	4	12	55
Delaware	5	1	8	4					
Maryland	60	41	139	87					
District of Columbia	64	40	127	55					
Virginia	37	34	66	55					
West Virginia	1	3	2	5					
North Carolina	36	37	83	80					
South Carolina	40	21	91	46					
Georgia	122	107	266	260					
Florida	124	134	206	294					

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

**QUARANTINE MEASURES**

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

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

**CALIFORNIA**

**Los Angeles** White Memorial Hospital, 90033  
Change address to: 414 N. Boyle Ave.  
Change mailing address to: 1720 Brooklyn Ave.

**Palo Alto**

Palo Alto Medical Clinic  
Change clinic hours to: Tues. and Wed.,  
12 noon-1 p.m., Sat. 9:15-10 a.m.

**Sacramento**

County Health Dept.  
Change telephone no. to: 454-2636

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TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
FOR WEEKS ENDING MARCH 4, 1972 AND MARCH 6, 1971 (9th WEEK)

AREA	ASEPTIC MENIN- GITIS	BRUCEL- LOSIS	CHICKEN- POX	DIPHTHERIA		ENCEPHALITIS			HEPATITIS		
						Primary including unspec. cases		Post In- fectious	Serum	Infectious	
						1972	1971	1972	1972	1972	1971
UNITED STATES	21	1	3,387	3	21	13	19	4	233	1,101	1,238
NEW ENGLAND	1	-	720	-	-	1	1	-	7	70	84
Maine	-	-	60	-	-	-	-	-	2	11	9
New Hampshire *	-	-	2	-	-	-	-	-	-	3	2
Vermont	-	-	16	-	-	-	-	-	-	4	10
Massachusetts	1	-	254	-	-	-	-	-	3	31	26
Rhode Island	-	-	189	-	-	-	-	-	-	7	19
Connecticut	-	-	199	-	-	1	1	-	2	14	18
MIDDLE ATLANTIC	4	-	308	-	-	3	2	-	107	196	217
Upstate New York	2	-	1	-	-	2	1	-	24	57	28
New York City	-	-	155	-	-	-	-	-	33	37	83
New Jersey *	2	-	NN	-	-	1	1	-	41	64	43
Pennsylvania	-	-	152	-	-	-	-	-	9	38	63
EAST NORTH CENTRAL	1	-	1,071	-	-	4	2	-	38	175	202
Ohio	-	-	109	-	-	-	1	-	10	27	57
Indiana	1	-	29	-	-	-	-	-	-	11	6
Illinois	-	-	219	-	-	3	1	-	12	51	23
Michigan	-	-	714	-	-	1	-	-	14	76	116
Wisconsin	-	-	-	-	-	-	-	-	2	10	-
WEST NORTH CENTRAL	2	1	410	1	3	3	-	3	5	29	76
Minnesota	-	1	55	-	-	-	-	2	1	2	7
Iowa	-	-	285	-	-	-	-	1	3	9	12
Missouri	2	-	5	-	-	3	-	-	-	3	19
North Dakota	-	-	-	-	-	-	-	-	-	-	3
South Dakota	-	-	2	1	3	-	-	-	-	8	7
Nebraska	-	-	23	-	-	-	-	-	-	-	-
Kansas *	-	-	40	-	-	-	-	-	1	7	28
SOUTH ATLANTIC	3	-	294	-	5	-	4	1	20	135	152
Delaware	-	-	20	-	-	-	1	-	2	4	1
Maryland	-	-	-	-	-	-	1	-	-	-	30
District of Columbia	-	-	17	-	-	-	-	-	-	2	-
Virginia	2	-	23	-	-	-	2	1	5	15	30
West Virginia	-	-	210	-	-	-	-	-	1	22	7
North Carolina	-	-	-	-	-	-	-	-	3	31	16
South Carolina	-	-	24	-	-	-	-	-	-	9	4
Georgia	-	-	-	-	1	-	-	-	-	5	11
Florida	1	-	-	-	4	-	-	-	9	47	53
EAST SOUTH CENTRAL	4	-	213	-	1	1	3	-	4	54	83
Kentucky	2	-	190	-	-	-	1	-	-	18	42
Tennessee	-	-	NN	-	-	-	1	-	2	25	24
Alabama *	2	-	13	-	1	-	1	-	2	6	14
Mississippi	-	-	10	-	-	1	-	-	-	5	3
WEST SOUTH CENTRAL	2	-	28	2	11	-	1	-	8	108	120
Arkansas	-	-	-	-	-	-	-	-	-	5	1
Louisiana	-	-	-	-	3	-	-	-	7	17	11
Oklahoma *	-	-	2	-	-	-	1	-	-	14	26
Texas	2	-	26	2	8	-	-	-	1	72	82
MOUNTAIN	-	-	135	-	1	-	-	-	3	54	85
Montana	-	-	25	-	-	-	-	-	-	4	5
Idaho	-	-	-	-	-	-	-	-	-	5	11
Wyoming	-	-	15	-	-	-	-	-	-	1	2
Colorado *	-	-	10	-	-	-	-	-	1	6	15
New Mexico	-	-	17	-	1	-	-	-	1	11	5
Arizona	-	-	59	-	-	-	-	-	1	15	19
Utah	-	-	9	-	-	-	-	-	-	12	19
Nevada	-	-	-	-	-	-	-	-	-	-	9
PACIFIC	4	-	208	-	-	1	6	-	41	280	219
Washington	-	-	207	-	-	-	-	-	4	32	22
Oregon	-	-	1	-	-	-	1	-	1	33	19
California	4	-	-	-	-	1	5	-	34	196	163
Alaska *	-	-	-	-	-	-	-	-	2	7	9
Hawaii *	-	-	-	-	-	-	-	-	-	12	6
Guam	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico	-	-	15	-	-	-	-	-	-	6	18
Virgin Islands	-	-	12	-	-	-	-	-	-	-	-

\*Delayed reports: Aseptic meningitis: Hawaii delete 1  
Encephalitis, primary: Ala. 1

Hepatitis, serum: Colo. 1; (1971) Kans. 4, Okla. 1

Hepatitis, infectious: N.H. 1, N.J. delete 2, Colo. 36, Alaska delete 1; (1971) N.J. delete 1, Kans. 23, Okla. 14

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
FOR WEEKS ENDING MARCH 4, 1972 AND MARCH 6, 1971 (9th WEEK) - Continued

AREA	MALARIA		MEASLES (Rubeola)			MENINGOCOCCAL INFECTIONS, TOTAL			MUMPS		RUBELLA	
	1972	Cum. 1972	1972	Cumulative		1972	Cumulative		1972	Cum. 1972	1972	Cum. 1972
				1972	1971		1972	1971				
UNITED STATES .....	18	300	786	5,952	14,410	35	330	543	1,972	18,684	612	4,827
NEW ENGLAND .....	1	6	68	394	424	1	12	30	57	801	21	193
Maine *	-	-	9	106	258	1	2	5	5	66	-	7
New Hampshire .....	-	1	4	22	15	-	-	2	2	56	-	16
Vermont .....	-	-	-	17	3	-	-	-	-	69	-	7
Massachusetts .....	-	3	17	48	93	-	5	12	22	199	11	89
Rhode Island .....	-	-	23	74	22	-	5	2	14	166	2	25
Connecticut .....	1	2	15	127	33	-	-	9	14	245	8	49
MIDDLE ATLANTIC .....	1	20	20	383	1,619	4	35	76	64	803	17	195
Upstate New York .....	1	1	14	36	171	1	10	22	NN	NN	11	28
New York City .....	-	5	6	66	953	-	7	11	47	341	5	49
New Jersey .....	-	7	-	266	93	-	9	23	6	283	-	80
Pennsylvania .....	-	7	-	15	402	3	9	20	11	179	1	38
EAST NORTH CENTRAL .....	5	23	252	2,339	2,681	1	35	54	510	5,114	160	1,243
Ohio .....	-	2	5	66	1,106	-	14	21	31	820	4	107
Indiana .....	-	-	9	519	148	1	7	2	4	359	5	191
Illinois .....	1	7	92	732	771	-	4	14	88	947	30	211
Michigan .....	4	14	70	398	175	-	9	14	133	826	66	302
Wisconsin .....	-	-	76	624	481	-	1	3	254	2,162	55	432
WEST NORTH CENTRAL .....	1	15	28	252	830	2	26	54	432	3,583	25	221
Minnesota .....	-	2	4	9	21	2	5	8	55	358	2	17
Iowa .....	-	1	19	145	272	-	-	2	268	2,497	22	113
Missouri .....	1	3	-	66	368	-	4	21	9	105	1	42
North Dakota .....	-	1	-	20	56	-	-	1	16	178	-	9
South Dakota .....	-	-	-	2	69	-	1	3	4	25	-	6
Nebraska .....	-	3	1	6	3	-	5	5	-	115	-	18
Kansas *	-	5	4	4	36	-	11	14	80	305	-	16
SOUTH ATLANTIC .....	1	26	69	576	1,633	12	74	69	168	1,597	28	482
Delaware .....	-	-	1	3	8	-	1	-	4	8	-	1
Maryland .....	-	-	-	4	22	-	7	9	-	75	-	13
District of Columbia .....	-	1	-	3	-	-	2	1	-	2	-	-
Virginia .....	-	2	1	10	591	3	16	7	37	189	1	28
West Virginia .....	-	1	12	35	92	3	8	2	89	937	14	140
North Carolina .....	1	10	-	16	483	-	14	10	NN	NN	-	2
South Carolina .....	-	4	20	91	204	-	7	6	7	76	1	19
Georgia .....	-	3	-	20	19	-	-	9	-	-	3	16
Florida .....	-	5	35	397	211	6	19	25	31	310	9	263
EAST SOUTH CENTRAL .....	-	113	42	285	2,472	1	26	37	121	1,007	38	316
Kentucky .....	-	111	16	127	1,037	-	6	8	24	162	4	126
Tennessee .....	-	-	4	32	207	1	12	15	76	607	23	125
Alabama .....	-	2	12	78	478	-	6	9	19	192	-	15
Mississippi *	-	-	10	48	750	-	2	5	2	46	11	50
WEST SOUTH CENTRAL .....	4	33	69	364	3,496	9	48	45	175	1,579	48	422
Arkansas .....	-	2	-	6	32	-	6	-	5	18	-	12
Louisiana .....	-	-	1	12	391	2	15	16	20	61	2	8
Oklahoma *	-	1	-	2	411	1	2	6	6	85	-	1
Texas .....	4	30	68	344	2,662	6	25	23	144	1,415	46	401
MOUNTAIN .....	-	24	46	474	580	-	5	16	89	989	49	266
Montana .....	-	1	2	11	211	-	-	-	5	88	2	15
Idaho .....	-	1	2	3	65	-	2	-	8	39	-	4
Wyoming .....	-	-	-	7	-	-	1	-	25	108	-	-
Colorado .....	-	17	5	208	103	-	-	4	15	275	36	120
New Mexico .....	-	1	8	34	110	-	1	-	9	221	11	30
Arizona *	-	4	30	125	60	-	-	6	27	248	-	91
Utah .....	-	-	1	93	24	-	1	5	-	10	-	6
Nevada .....	-	-	-	-	-	-	-	1	-	-	-	-
PACIFIC .....	5	40	192	885	675	5	69	162	356	3,211	226	1,489
Washington .....	-	-	35	230	176	1	8	6	101	1,124	51	278
Oregon .....	3	4	-	9	66	-	4	12	60	415	12	143
California .....	1	32	150	611	413	4	56	142	187	1,605	160	1,043
Alaska *	-	-	-	5	7	-	-	-	3	40	-	3
Hawaii *	1	4	7	30	13	-	1	2	5	27	3	22
Guam .....	-	-	-	-	-	-	2	-	-	-	-	3
Puerto Rico .....	-	-	19	79	41	-	-	-	13	154	-	-
Virgin Islands .....	-	-	-	-	2	-	2	-	13	76	2	2

\*Delayed reports: Malaria: Ariz. 3

Measles: Me. 2, Miss. delete 16

Meningococcal infections: Hawaii 1, (1971) Okla. 1

Mumps: Me. 1, Alaska delete 3

Rubella: (1971) Kans. 4

## Morbidity and Mortality Weekly Report

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
FOR WEEKS ENDING MARCH 4, 1972 AND MARCH 6, 1971 (9th WEEK) - Continued

AREA	TETANUS	TB (New Active)	TULAREMIA		TYPHOID FEVER		TYPHUS FEVER TICK-BORNE (Rky. Mt. spotted fever)		VENEREAL DISEASES		RABIES IN ANIMALS	
									GONOR- RHEA	SYPHILIS (Pri. & Sec.)		
1972	1972	1972	Cum. 1972	1972	Cum. 1972	1972	Cum. 1972	1972	1972	1972	Cum. 1972	
UNITED STATES .....	2	639	2	19	8	45	-	9	12,984	429	88	595
NEW ENGLAND .....	-	20	-	-	-	2	-	-	373	8	2	23
Maine .....	-	2	-	-	-	-	-	-	16	-	1	20
New Hampshire * .....	-	-	-	-	-	-	-	-	8	-	-	-
Vermont .....	-	-	-	-	-	-	-	-	14	-	1	3
Massachusetts .....	-	9	-	-	-	2	-	-	183	-	-	-
Rhode Island .....	-	7	-	-	-	-	-	-	22	-	-	-
Connecticut .....	-	2	-	-	-	-	-	-	130	8	-	-
MIDDLE ATLANTIC .....	-	159	-	-	7	14	-	3	1,437	93	1	11
Upstate New York .....	-	26	-	-	-	3	-	-	233	14	1	8
New York City .....	-	80	-	-	5	8	-	-	654	70	-	-
New Jersey .....	-	24	-	-	2	3	-	1	216	2	-	-
Pennsylvania .....	-	29	-	-	-	-	-	2	334	7	-	3
EAST NORTH CENTRAL .....	-	87	-	1	-	2	-	-	1,347	31	15	56
Ohio *	-	29	-	1	-	1	-	-	551	6	4	18
Indiana .....	-	11	-	-	-	-	-	-	128	3	4	13
Illinois .....	-	16	-	-	-	-	-	-	140	2	3	9
Michigan .....	-	31	-	-	-	1	-	-	380	17	-	1
Wisconsin .....	-	-	-	-	-	-	-	-	148	3	4	15
WEST NORTH CENTRAL .....	-	16	1	5	-	1	-	1	881	7	13	151
Minnesota .....	-	2	-	-	-	-	-	-	215	2	6	46
Iowa .....	-	1	-	-	-	-	-	-	73	2	2	40
Missouri .....	-	7	1	5	-	1	-	-	333	1	-	13
North Dakota .....	-	2	-	-	-	-	-	-	23	-	5	42
South Dakota .....	-	1	-	-	-	-	-	-	31	-	-	1
Nebraska .....	-	-	-	-	-	-	-	-	84	1	-	-
Kansas .....	-	3	-	-	-	-	-	1	122	1	-	9
SOUTH ATLANTIC .....	-	129	-	3	-	5	-	2	3,276	135	12	70
Delaware .....	-	3	-	-	-	-	-	-	25	-	-	-
Maryland .....	-	-	-	-	-	-	-	-	-	-	-	1
District of Columbia .....	-	10	-	-	-	-	-	-	242	8	-	-
Virginia .....	-	20	-	3	-	3	-	1	399	36	6	24
West Virginia .....	-	17	-	-	-	-	-	-	30	-	3	14
North Carolina .....	-	31	-	-	-	-	-	1	358	16	-	-
South Carolina .....	-	-	-	-	-	-	-	-	696	13	-	-
Georgia .....	-	26	-	-	-	-	-	-	604	32	2	20
Florida .....	-	22	-	-	-	2	-	-	922	30	1	11
EAST SOUTH CENTRAL .....	-	61	-	1	1	4	-	-	963	24	20	161
Kentucky *	-	12	-	-	1	1	-	-	105	7	6	68
Tennessee .....	-	24	-	-	-	1	-	-	427	9	14	78
Alabama .....	-	20	-	1	-	-	-	-	230	1	-	15
Mississippi .....	-	5	-	-	-	2	-	-	201	7	-	-
WEST SOUTH CENTRAL .....	2	43	-	6	-	1	-	3	2,109	59	17	88
Arkansas *	1	1	-	6	-	1	-	-	502	6	-	17
Louisiana .....	1	-	-	-	-	-	-	-	469	21	1	7
Oklahoma .....	-	3	-	-	-	-	-	1	133	4	8	30
Texas .....	-	39	-	-	-	-	-	2	1,005	28	8	34
MOUNTAIN .....	-	24	1	2	-	3	-	-	465	11	-	6
Montana .....	-	2	-	-	-	-	-	-	17	-	-	-
Idaho .....	-	2	-	-	-	-	-	-	35	-	-	-
Wyoming .....	-	-	-	-	-	-	-	-	4	2	-	-
Colorado .....	-	15	-	1	-	-	-	-	166	-	-	-
New Mexico .....	-	5	-	-	-	1	-	-	71	-	-	1
Arizona .....	-	-	1	1	-	1	-	-	119	8	-	5
Utah .....	-	-	-	-	-	1	-	-	10	-	-	-
Nevada .....	-	-	-	-	-	-	-	-	43	1	-	-
PACIFIC .....	-	100	-	1	-	13	-	-	2,133	61	8	29
Washington .....	-	7	-	-	-	-	-	-	194	-	-	-
Oregon .....	-	3	-	-	-	-	-	-	131	2	-	-
California .....	-	82	-	-	-	10	-	-	1,784	57	4	25
Alaska *	-	-	-	1	-	-	-	-	24	2	4	4
Hawaii .....	-	8	-	-	-	3	-	-	-	-	-	-
Guam .....	-	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico .....	-	-	-	-	-	1	-	-	43	19	1	13
Virgin Islands .....	-	-	-	-	-	-	-	-	36	6	-	-

\*Delayed reports: Tuberculosis: N.H. 1, Ohio delete 1, Ky. 1, Alaska delete 7  
Typhoid fever: Ark. delete 2  
Gonorrhoea: Alaska 5

# Morbidity and Mortality Weekly Report

**TABLE IV. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDING MARCH 4, 1972**

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	All Causes			Pneumonia and Influenza All Ages	Area	All Causes			Pneumonia and Influenza All Ages
	All Ages	65 years and over	Under 1 year			All Ages	65 years and over	Under 1 year	
<b>NEW ENGLAND</b>	752	458	34	53	<b>SOUTH ATLANTIC</b>	1,429	768	42	74
Boston, Mass.	216	120	11	15	Atlanta, Ga.	179	81	5	10
Bridgeport, Conn.	46	29	3	5	Baltimore, Md.	254	140	5	6
Cambridge, Mass.	36	23	—	6	Charlotte, N. C.	65	30	5	3
Fall River, Mass.	26	16	—	1	Jacksonville, Fla.	136	82	4	4
Hartford, Conn.	73	40	4	—	Miami, Fla.	120	62	2	—
Lowell, Mass.	36	22	2	6	Norfolk, Va.	61	38	5	8
Lynn, Mass.	22	20	—	—	Richmond, Va.	96	53	3	10
New Bedford, Mass.	34	25	—	3	Savannah, Ga.	51	26	3	4
New Haven, Conn.	53	26	4	1	St. Petersburg, Fla.	126	102	1	7
Providence, R. I.	75	43	6	8	Tampa, Fla.	78	52	2	8
Somerville, Mass.	14	10	—	—	Washington, D. C.	230	85	6	13
Springfield, Mass.	42	25	2	4	Wilmington, Del.	33	17	1	1
Waterbury, Conn.	31	22	1	—	<b>EAST SOUTH CENTRAL</b>	765	425	44	53
Worcester, Mass.	48	37	1	4	Birmingham, Ala.	129	79	8	2
<b>MIDDLE ATLANTIC</b>	2,923	1,789	104	145	Chattanooga, Tenn.	59	34	4	7
Albany, N. Y.	58	36	2	1	Knoxville, Tenn.	44	33	2	5
Allentown, Pa.	39	29	2	—	Louisville, Ky.	137	82	4	14
Buffalo, N. Y.	141	88	7	6	Memphis, Tenn.	193	95	15	11
Camden, N. J.	37	23	—	—	Mobile, Ala.	41	16	3	3
Elizabeth, N. J.	30	19	1	2	Montgomery, Ala.	37	20	1	3
Erie, Pa.	56	36	2	4	Nashville, Tenn.	125	66	7	8
Jersey City, N. J.	70	40	6	4	<b>WEST SOUTH CENTRAL</b>	1,352	714	70	82
Newark, N. J.	84	41	3	1	Austin, Tex.	51	33	1	8
New York City, N. Y. †	1,446	877	49	77	Baton Rouge, La.	66	29	3	5
Paterson, N. J.	42	25	1	4	Corpus Christi, Tex.	64	34	3	8
Philadelphia, Pa.	391	228	8	6	Dallas, Tex.	152	73	4	6
Pittsburgh, Pa.	111	71	2	9	El Paso, Tex.	41	19	8	4
Reading, Pa.	37	28	—	4	Fort Worth, Tex.	69	38	3	3
Rochester, N. Y.	123	85	7	13	Houston, Tex.	273	130	17	12
Schenectady, N. Y.	20	15	—	1	Little Rock, Ark.	76	40	8	3
Scranton, Pa.	54	33	3	5	New Orleans, La.	167	88	10	4
Syracuse, N. Y.	73	45	6	3	Oklahoma City, Okla.	100	68	4	3
Trenton, N. J.	48	24	3	—	San Antonio, Tex.	132	72	3	9
Utica, N. Y.	17	13	2	1	Shreveport, La.	56	26	3	3
Yonkers, N. Y.	46	33	—	4	Tulsa, Okla.	105	64	3	14
<b>EAST NORTH CENTRAL</b>	2,681	1,565	103	84	<b>MOUNTAIN</b>	584	325	24	29
Akron, Ohio	67	38	2	1	Albuquerque, N. Mex.	61	32	3	7
Canton, Ohio	35	21	2	—	Colorado Springs, Colo.	38	24	1	5
Chicago, Ill.	714	403	26	20	Denver, Colo.	138	69	5	4
Cincinnati, Ohio	172	109	6	2	Ogden, Utah	26	14	2	1
Cleveland, Ohio	187	102	8	7	Phoenix, Ariz.	150	81	3	4
Columbus, Ohio	132	73	2	7	Pueblo, Colo.	20	14	—	5
Dayton, Ohio	100	57	5	3	Salt Lake City, Utah	51	25	9	—
Detroit, Mich.	377	213	14	11	Tucson, Ariz.	100	66	1	3
Evansville, Ind.	31	20	—	1	<b>PACIFIC</b>	1,770	1,095	53	49
Flint, Mich. **	54	30	3	2	Berkeley, Calif.	13	8	1	—
Fort Wayne, Ind.	44	33	1	1	Fresno, Calif.	50	26	2	2
Gary, Ind.	39	14	5	5	Glendale, Calif.	38	29	2	2
Grand Rapids, Mich.	52	35	3	2	Honolulu, Hawaii	61	30	9	1
Indianapolis, Ind.	170	97	4	4	Long Beach, Calif.	116	71	3	4
Madison, Wis.	47	23	3	6	Los Angeles, Calif.	581	357	13	20
Milwaukee, Wis.	121	77	2	3	Oakland, Calif.	82	50	3	1
Peoria, Ill.	44	28	6	1	Pasadena, Calif.	50	40	—	2
Rockford, Ill.	50	28	2	—	Portland, Oreg.	163	102	5	1
South Bend, Ind.	57	39	2	6	Sacramento, Calif.	64	38	2	—
Toledo, Ohio	117	84	5	2	San Diego, Calif.	102	63	6	5
Youngstown, Ohio	71	41	2	—	San Francisco, Calif.	192	120	3	3
<b>WEST NORTH CENTRAL</b>	936	577	38	37	San Jose, Calif.	49	29	2	—
Des Moines, Iowa	64	39	2	5	Seattle, Wash.	124	78	2	—
Duluth, Minn.	43	30	1	2	Spokane, Wash.	38	26	—	5
Kansas City, Kans.	37	16	4	—	Tacoma, Wash.	47	28	—	3
Kansas City, Mo.	136	89	4	2	<b>Total</b>	13,192	7,716	512	606
Lincoln, Nebr.	26	14	2	2	<b>Expected Number</b>	13,400	7,794	572	582
Minneapolis, Minn.	112	65	3	3	<b>Cumulative Total</b>	129,223	76,834	4,635	7,255
Omaha, Nebr.	98	60	3	3	(includes reported corrections for previous weeks)				
St. Louis, Mo.	258	162	15	8					
St. Paul, Minn.	98	62	2	6					
Wichita, Kans.	64	40	2	6					
Las Vegas, Nev.*	12	3	2	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 ending Feb. 26, 1972  
 \*\*Estimate based on average percent of divisional total

## QUARANTINE MEASURES — Continued

## CALIFORNIA — Continued

San Diego U.S. Public Health Service Outpatient  
Clinic, 92101  
Change address to: 2150 - 5th Ave.  
Change clinic hour to: 1 p.m.

San Francisco Overseas Medical Center  
Change address to: 10 California St.,  
94111

## IDAHO

Boise City-County Health Dept., 83706  
Change name to: Central District Health  
Dept.

Lewiston North Central District Health Dept.  
Change clinic hours to: By appointment,  
Wed., 9-11 a.m.

## MARYLAND

Salisbury Wicomico County Health Dept.  
Change name and address to: County  
Health Center, 300 W. Carroll St.,  
21801

## MICHIGAN

Detroit Overseas Medical Center  
Add to clinic hours: Sat., by appointment

## NEW JERSEY

Princeton Isabelle McCosh Infirmary, 08540  
Change telephone no. to: 609. 452-3129

## NEW YORK

Buffalo U.S. Public Health Service Outpatient  
Clinic, 14203  
Change address to: General Medical  
Towers, 50 High St.

Change clinic hours to: first and third  
Wed., each month, 10 a.m.  
New York City Maritime Medical Service, 10011  
Change clinic hours to: Mon.-Fri., 9:30  
a.m.-5:30 p.m.

## NORTH CAROLINA

Durham Duke University Medical Center, 27706  
Change zip code to: 27710  
Add to mailing address:  
1546 Gerontology Bldg.

Wilmington Maritime Industrial Clinic, 28401  
Change address to: 2301 Delaney Rd.

## RHODE ISLAND

Providence Dept. of Health, 02903  
Add to address: Davis St.  
Change zip code to: 02908

## SOUTH CAROLINA

Spartanburg County Health Dept., 29303  
Change telephone no. to: 803, 585-7701

## TEXAS

Houston Tenneco Oil Co., 77052  
Change address to: 2511 Medical Arts  
Bldg., 77001

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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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