



# 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**  
**MEASLES - Clay County, Mississippi**

Between Nov. 22 and Dec. 20, 1971, 100 cases of measles occurred in Clay County, Mississippi, population 18,840 (1970 census), a semirural county in the northeast part of the state. The epidemic began in the week of November 22 when a single case was reported; no cases were reported in the following week. Then the number of cases rose sharply to 20 the week of December 6 and jumped to 64 the following week. At that point, the number of cases declined rapidly; 17 cases were reported the week of December 20 and none after that (Figure 1).

Cases occurred in all areas of the county and in all of the county schools. The majority of cases were in school-age children (Table 1). Before the outbreak, the level of measles

**CONTENTS**

Epidemiologic Notes and Reports  
 Measles - Clay County, Mississippi . . . . . 153  
 Salmonella heidelberg - Puerto Rico . . . . . 154  
 Surveillance Summary  
 Animal Rabies - United States, 1971 . . . . . 155

immunity in children age 1-14 years was estimated to have been 65%. Eleven cases occurred in previously vaccinated children; vaccine efficacy was an estimated 93%.

The Mississippi State Board of Health was notified of the outbreak on December 7. That day, a special investigator was sent to Clay County. Based on his evaluation of the epidemic, a county-wide measles vaccination program was held

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

DISEASE	18th WEEK ENDED		MEDIAN 1967-1971	CUMULATIVE, FIRST 18 WEEKS		
	May 6, 1972	May 8, 1971		1972	1971	MEDIAN 1967-1971
Aseptic meningitis . . . . .	56	38	35	605	831	528
Brucellosis . . . . .	1	2	2	43	44	49
Chickenpox . . . . .	5,295	---	---	74,937	---	---
Diphtheria . . . . .	1	3	3	38	64	64
Encephalitis, primary:						
Arthropod-borne & unspecified . . . . .	12	17	21	284	385	358
Encephalitis, post-infectious . . . . .	4	5	9	94	107	153
Hepatitis, serum (Hepatitis B) . . . . .	170	190	112	3,311	3,004	1,822
Hepatitis, infectious (Hepatitis A) . . . . .	1,081	1,165	887	19,829	21,667	16,582
Malaria . . . . .	12	91	36	460	1,316	835
Measles (rubeola) . . . . .	1,253	3,575	1,931	16,308	44,572	24,007
Meningococcal infections, total . . . . .	44	41	54	618	1,193	1,211
Civilian . . . . .	43	39	46	591	1,024	1,082
Military . . . . .	1	2	6	27	169	129
Mumps . . . . .	2,390	4,190	---	38,708	67,230	---
Rubella (German measles) . . . . .	1,022	1,631	2,519	13,783	24,410	25,875
Tetanus . . . . .	6	3	2	30	27	36
Tuberculosis, new active . . . . .	627	---	---	11,205	---	---
Tularemia . . . . .	3	---	1	39	30	31
Typhoid fever . . . . .	7	11	7	89	90	85
Typhus, tick-borne (Rky. Mt. spotted fever) . . . . .	---	3	5	21	14	11
Veneral Diseases:†						
Gonorrhea . . . . .	14,337	11,783	---	233,970	210,165	---
Syphilis, primary and secondary . . . . .	453	436	---	8,164	8,121	---
Rabies in animals . . . . .	79	97	97	1,533	1,638	1,400

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

	Cum.		Cum.
Anthrax: . . . . .	---	Poliomyelitis, total: . . . . .	5
Botulism: . . . . .	---	Paralytic: . . . . .	5
Congenital rubella syndrome: . . . . .	15	Psittacosis: . . . . .	10
Leprosy: Calif. - 1 . . . . .	37	Rabies in man: . . . . .	1
Leptospirosis: . . . . .	4	Trichinosis: N.Y.C. - 1 . . . . .	32
Plague: . . . . .	1	Typhus, murine: Tex. - 1 . . . . .	6

†Numbers for 1971 are estimated from quarterly reports to the Venereal Disease Branch, CDC



In the second and third week of February, "clean" areas were established on both pediatric wards for the admission of new patients. Patients who had been readmitted were not allowed in these areas. The areas were thoroughly cleaned and staffed with nurses whose stool cultures were salmonella-free. Strict isolation techniques were applied, including handwashing before and after contact with the patients, and gowning. Personnel working on the "clean" wards were encouraged to stay away from the rest of the wards. Patients who were on the wards before the investigation started were kept separate from new admissions and were discharged from the hospital as soon as possible. Patients with positive cultures were not treated unless there were signs of extraintestinal disease, usually septicemia; chloramphenicol was given to these patients. Patients with positive cultures received instructions when they were discharged from the hospital on how to prevent spread of infection within the family after they returned to their homes. They were not necessarily kept in the hospital until their stool cultures were negative.

A stool-culture survey conducted 2 weeks after institut-

ing control measures in the Municipal Hospital did not reveal any positive cultures in the patients located in the isolation area. Since March 8, no new salmonella group B isolations have been reported by the combined Municipal-University bacteriology laboratory.

(Reported by Luis Mainardi, M.D., State Epidemiologist, San Juan, Puerto Rico; Juan Jiménez, Chairman, Department of Pediatrics, San Juan Municipal Hospital; the Epidemiology Services Laboratory, CDC; and two EIS Officers.)

#### Editorial Note

Of 192 cases of salmonellosis due to *S. heidelberg* reported in New York City in 1965 and 1966, only 7.8% involved sepsis or enteric fever (1). The high rate of sepsis in the epidemic in Puerto Rico has not yet been adequately explained.

#### Reference

1. Cherubin CE, Fodor T, Denmark L, Master C, Fuerst HT, Winter J: The epidemiology of salmonellosis in New York City. *Am J Epidemiol* 90:112-125, 1969

### SURVEILLANCE SUMMARY ANIMAL RABIES — United States, 1971

In 1971, a total of 4,392 laboratory-confirmed cases of rabies were reported in the United States; this is 1,116 more than were reported for 1970 and 14% above the average for the preceding 5 years. For the first time since national records have been kept, cases were reported from all 48 contiguous states and Alaska (Figure 3), with only Hawaii, the District of Columbia, Guam, and the Virgin Islands reporting no cases. The animals (wild and domestic) most frequently reported infected and the percent of the total they accounted for were skunks (46%), foxes (15%), bats (11%), cattle (9%), dogs (5%), cats (5%), and raccoons (4%). There were 3,449 reported cases of rabies in wild animals (79%) and 941 in domestic animals.

Rabies in 19 species of terrestrial wildlife and in insectivorous bats was recorded. Cases in the major wildlife hosts, skunks (59%), foxes (20%), bats (13%), and raccoons (6%), accounted for 97% of all wildlife cases.

Thirty-two states reported 2,018 rabies cases in skunks in 1971. For the 11th consecutive year, skunks were the ani-

mals most frequently infected with rabies. Much of the increase in total cases in 1971 over the totals in 1970 resulted from the sizable increase in both the absolute number (up 783) of skunk cases and in the percentage (up 8%) of all cases reported in skunks. Skunk cases were also more widespread than in the preceding year, with 625 counties reporting cases, 132 more than for 1970.

Thirty-one states reported 677 cases of rabies in foxes for 1971, 94 fewer cases than for 1970. Despite the decline in fox cases compared with the previous year, more areas were affected; cases were reported from more states (31 vs. 25) and counties (215 vs. 197) than in 1970. States reporting the largest number of fox cases were Kentucky (96) and Maine (93). Maine had the greatest increase in cases (+56) compared with 1970, while Virginia had the greatest decrease (-79).

Forty-seven states reported 465 rabies cases in bats for 1971. More cases were reported than in any previous year except 1965, and more states reported bat cases than in any previous year. Despite the widespread distribution of cases in bats, fewer counties reported infected bats than skunks (254 vs. 625). As in previous years, the geographic distribution of cases in bats appears largely independent of the distribution of cases in other animals. The temporal distribution of bat cases, however, is more dramatic than that of any other major host; bat cases peaked abruptly in the early fall and declined to a low level in December (Figure 4).

In 1971, 14 states recorded 190 cases of rabies in raccoons, with most of the cases reported from Florida and Georgia, the only part of the United States where a cycle of transmission in raccoons has been established. Only 22 cases were reported from states other than Florida and Georgia, and all of these were scattered throughout the country except for a cluster of cases associated with an outbreak in foxes in Maine.

(Continued on page 160)

Figure 3  
NUMBER OF RABIES CASES REPORTED, BY STATE — 1971

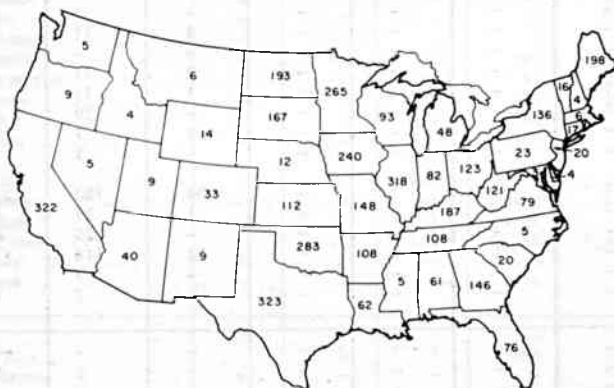


TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
FOR WEEKS ENDING MAY 6, 1972 AND MAY 8, 1971 (18th WEEK)

AREA	ASEPTIC MENIN- GITIS	BRUCEL- LOSIS	CHICKEN- POX	DIPHTHERIA		ENCEPHALITIS			HEPATITIS		
						Primary including unspec. cases		Post In- fectious	Serum (HEPATITIS B)	Infectious (HEPATITIS A)	
						1972	1971			1972	1972
UNITED STATES	56	1	5,295	1	38	12	17	4	170	1,081	1,165
NEW ENGLAND	-	-	813	-	-	-	1	-	8	67	101
Maine *	-	-	87	-	-	-	-	-	-	11	8
New Hampshire *	-	-	52	-	-	-	-	-	2	9	7
Vermont	-	-	13	-	-	-	-	-	-	3	13
Massachusetts	-	-	442	-	-	-	-	-	2	28	39
Rhode Island	-	-	109	-	-	-	-	-	-	4	14
Connecticut	-	-	110	-	-	-	1	-	4	12	20
MIDDLE ATLANTIC	23	-	539	-	1	1	4	-	44	211	181
Upstate New York	-	-	7	-	1	1	1	-	1	42	52
New York City	22	-	264	-	-	-	-	-	15	39	46
New Jersey	-	-	NN	-	-	-	-	-	20	80	49
Pennsylvania	1	-	268	-	-	-	3	-	8	50	34
EAST NORTH CENTRAL	1	-	2,313	-	1	7	2	-	41	178	195
Ohio	1	-	187	-	-	4	1	-	11	34	29
Indiana *	-	-	246	-	-	-	-	-	-	16	14
Illinois	-	-	344	-	-	-	1	-	15	54	49
Michigan	-	-	683	-	1	3	-	-	13	69	95
Wisconsin	-	-	853	-	-	-	-	-	2	5	8
WEST NORTH CENTRAL	1	-	376	-	6	-	-	-	4	57	40
Minnesota	1	-	32	-	-	-	-	-	-	2	8
Iowa	-	-	312	-	-	-	-	-	2	10	3
Missouri	-	-	8	-	-	-	-	-	-	28	12
North Dakota	-	-	10	-	-	-	-	-	-	2	5
South Dakota	-	-	1	-	6	-	-	-	-	4	2
Nebraska	-	-	13	-	-	-	-	-	-	3	3
Kansas	-	-	-	-	-	-	-	-	2	8	7
SOUTH ATLANTIC	10	-	449	1	7	1	5	-	18	168	157
Delaware	-	-	7	-	-	-	1	-	1	4	4
Maryland	1	-	32	-	-	-	-	-	-	25	31
District of Columbia	-	-	26	-	-	-	-	-	-	1	-
Virginia	1	-	46	-	-	1	1	-	4	12	43
West Virginia	-	-	276	-	-	-	-	-	-	7	15
North Carolina *	2	-	NN	-	-	-	2	-	5	33	23
South Carolina	-	-	62	1	1	-	-	-	-	8	2
Georgia	-	-	-	-	2	-	-	-	-	17	13
Florida	6	-	-	-	4	-	1	-	8	61	26
EAST SOUTH CENTRAL	1	1	237	-	1	1	-	2	8	57	51
Kentucky	-	-	218	-	-	1	-	-	-	14	10
Tennessee	-	1	NN	-	-	-	-	1	3	33	26
Alabama	1	-	16	-	1	-	-	1	4	9	11
Mississippi	-	-	3	-	-	-	-	-	1	1	4
WEST SOUTH CENTRAL	4	-	10	-	20	1	2	2	8	87	117
Arkansas	-	-	2	-	-	-	-	-	-	2	3
Louisiana	-	-	NN	-	4	1	2	2	2	2	11
Oklahoma	-	-	5	-	-	-	-	-	-	38	10
Texas	4	-	3	-	16	-	-	-	6	45	93
MOUNTAIN	2	-	146	-	2	-	-	-	6	76	52
Montana	-	-	12	-	-	-	-	-	-	4	1
Idaho	1	-	-	-	-	-	-	-	2	11	12
Wyoming	-	-	-	-	-	-	-	-	-	-	3
Colorado	-	-	38	-	-	-	-	-	2	11	-
New Mexico	-	-	27	-	1	-	-	-	1	13	9
Arizona	1	-	36	-	1	-	-	-	-	29	16
Utah	-	-	33	-	-	-	-	-	1	7	11
Nevada	-	-	-	-	-	-	-	-	-	1	-
PACIFIC	14	-	412	-	-	1	3	-	33	180	271
Washington	-	-	410	-	-	-	-	-	1	21	44
Oregon	1	-	2	-	-	-	-	-	-	25	41
California	13	-	-	-	-	1	3	-	32	118	174
Alaska	-	-	-	-	-	-	-	-	-	9	2
Hawaii	-	-	-	-	-	-	-	-	-	7	10
Guam	-	-	-	-	-	-	---	-	-	-	---
Puerto Rico	-	-	38	-	-	-	-	-	-	5	18
Virgin Islands	-	-	-	-	-	-	-	-	-	-	-

\*Delayed reports: Chickenpox: Me. 47, N.H. 28

Hepatitis A: Me. 8, N.H. 1, Ind. delete 1, N.C. delete 2

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
FOR WEEKS ENDING MAY 6, 1972 AND MAY 8, 1971 (18th 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 .....	12	460	1,253	16,308	44,572	44	618	1,193	2,390	38,708	1,022	13,783
NEW ENGLAND .....	-	10	205	1,517	1,765	1	25	51	63	1,582	65	657
Maine *	-	-	4	162	824	-	3	7	2	181	10	57
New Hampshire *	-	1	59	148	101	-	-	8	30	133	-	24
Vermont .....	-	-	4	90	76	-	-	-	-	76	2	20
Massachusetts .....	-	5	51	272	159	-	13	19	19	425	43	347
Rhode Island .....	-	-	54	271	33	1	7	2	6	282	3	51
Connecticut .....	-	4	33	574	572	-	2	15	6	485	7	158
MIDDLE ATLANTIC .....	2	35	24	692	4,721	11	69	147	112	1,769	141	1,133
Upstate New York .....	-	7	9	84	315	1	16	38	NN	NN	5	152
New York City .....	-	5	5	139	2,704	5	18	24	65	811	11	127
New Jersey .....	1	11	5	439	569	3	19	38	13	554	112	698
Pennsylvania .....	1	12	5	30	1,133	2	16	47	34	404	13	156
EAST NORTH CENTRAL .....	2	47	497	6,139	8,676	7	80	122	657	10,790	328	3,713
Ohio .....	-	6	4	189	2,650	5	31	34	53	1,532	9	224
Indiana *	-	1	67	938	1,429	-	9	6	37	738	33	449
Illinois .....	1	17	176	2,320	1,928	1	16	41	144	1,957	107	707
Michigan .....	1	21	102	1,141	873	1	21	33	138	1,864	57	832
Wisconsin .....	-	2	148	1,551	1,796	-	3	8	285	4,699	122	1,501
WEST NORTH CENTRAL .....	-	29	80	607	4,582	6	55	107	431	6,995	52	676
Minnesota .....	-	3	-	14	38	1	11	16	4	571	-	43
Iowa .....	-	3	73	377	1,747	-	1	7	317	4,969	21	320
Missouri .....	-	8	4	141	1,553	3	18	41	13	325	2	90
North Dakota .....	-	1	2	38	157	-	-	4	15	272	2	20
South Dakota .....	-	4	-	4	186	-	2	5	2	81	1	12
Nebraska .....	-	3	1	15	30	-	7	11	27	200	2	44
Kansas .....	-	7	-	18	871	2	16	23	53	577	24	147
SOUTH ATLANTIC .....	4	64	93	1,448	4,698	4	137	185	218	3,267	41	1,031
Delaware .....	-	-	1	12	27	-	1	1	2	37	-	2
Maryland .....	-	-	-	10	308	1	24	27	3	152	1	28
District of Columbia .....	-	1	-	-	7	-	4	8	1	5	-	1
Virginia .....	-	2	6	44	876	-	32	16	63	506	1	50
West Virginia .....	-	1	19	168	274	-	9	3	105	1,727	18	300
North Carolina *	4	28	1	27	1,451	-	20	28	NN	NN	1	10
South Carolina .....	-	8	7	174	665	-	12	16	5	124	5	41
Georgia .....	-	18	-	122	174	1	3	11	-	1	-	30
Florida .....	-	6	59	891	916	2	32	75	39	715	15	569
EAST SOUTH CENTRAL .....	-	122	24	869	5,970	4	51	111	119	1,999	41	1,092
Kentucky .....	-	115	4	458	2,761	3	17	35	11	308	21	646
Tennessee .....	-	-	12	158	542	1	19	38	95	1,248	17	343
Alabama .....	-	3	3	111	1,341	-	9	22	10	353	2	26
Mississippi .....	-	4	5	142	1,326	-	6	16	3	90	1	77
WEST SOUTH CENTRAL .....	2	51	44	984	9,809	6	76	107	176	3,079	60	1,049
Arkansas .....	-	3	1	8	632	-	7	4	7	91	1	17
Louisiana *	1	3	2	60	1,364	3	22	37	12	162	-	66
Oklahoma .....	1	3	-	8	662	-	6	6	32	140	11	25
Texas .....	-	42	41	908	7,151	3	41	60	125	2,686	48	941
MOUNTAIN .....	1	33	99	1,124	2,112	1	12	31	155	2,125	87	716
Montana .....	-	1	-	12	822	-	2	2	6	136	2	18
Idaho .....	-	3	-	12	158	1	3	2	9	169	1	7
Wyoming .....	-	-	-	1	72	-	1	1	12	194	-	6
Colorado .....	1	22	11	349	558	-	2	5	54	558	63	388
New Mexico .....	-	1	14	81	218	-	1	3	16	445	-	60
Arizona .....	-	5	68	535	202	-	1	8	30	526	19	217
Utah .....	-	1	6	134	79	-	1	9	25	54	2	17
Nevada .....	-	-	-	-	3	-	1	1	3	43	-	3
PACIFIC .....	1	69	187	2,928	2,239	4	113	332	459	7,102	207	3,716
Washington .....	-	-	45	653	637	-	11	14	196	2,635	40	645
Oregon .....	-	7	1	28	214	1	8	20	30	848	9	249
California .....	-	53	139	2,168	1,309	3	91	293	220	3,413	155	2,767
Alaska .....	1	2	-	5	8	-	-	-	-	90	-	15
Hawaii .....	-	7	2	74	71	-	3	5	13	116	3	40
Guam .....	-	2	-	2	---	-	6	---	-	2	-	5
Puerto Rico .....	-	2	9	296	173	-	2	1	29	354	-	2
Virgin Islands .....	-	-	-	-	5	-	2	-	2	107	-	3

\*Delayed reports: Measles: Me. 9, N.H. 3, Vt. 48, La. delete 12  
Meningococcal infections: Ind. delete 1Mumps: Me. 5, N.H. 7  
Rubella: Me. 4, N.C. 3, La. 12

## Morbidity and Mortality Weekly Report

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
FOR WEEKS ENDING MAY 6, 1972 AND MAY 8, 1971 (18th WEEK) - Continued

AREA	TETANUS	TB (New Active)	TULAREMIA		TYPHOID FEVER		TYPHUS FEVER TICK-BORNE (Rky. Mt. spotted fever)		VENEREAL DISEASES		RABIES IN ANIMALS	
	1972	1972	1972	Cum. 1972	1972	Cum. 1972	1972	Cum. 1972	GONOR- RHEA	SYPHILIS (Pri. & Sec.)	1972	Cum. 1972
									1972	1972		
UNITED STATES .....	6	627	3	39	7	89	-	21	14,337	453	79	1,533
NEW ENGLAND .....	1	30	-	-	-	5	-	-	380	7	2	58
Maine .....	-	4	-	-	-	-	-	-	12	-	1	51
New Hampshire .....	-	1	-	-	-	-	-	-	13	-	-	-
Vermont .....	-	1	-	-	-	-	-	-	9	-	-	6
Massachusetts .....	1	18	-	-	-	3	-	-	208	4	-	-
Rhode Island .....	-	-	-	-	-	-	-	-	20	-	-	-
Connecticut .....	-	6	-	-	-	2	-	-	118	3	1	1
MIDDLE ATLANTIC .....	-	92	-	1	-	18	-	3	2,081	133	2	30
Upstate New York .....	-	4	-	-	-	6	-	-	255	-	-	14
New York City .....	-	33	-	-	-	8	-	-	1,034	108	-	-
New Jersey .....	-	29	-	1	-	3	-	1	381	14	-	-
Pennsylvania .....	-	26	-	-	-	1	-	2	411	11	2	16
EAST NORTH CENTRAL .....	-	134	-	1	4	9	-	-	1,418	27	8	158
Ohio .....	-	29	-	1	3	5	-	-	417	2	4	55
Indiana .....	-	12	-	-	-	-	-	-	151	5	-	40
Illinois .....	-	48	-	-	-	-	-	-	305	1	2	24
Michigan .....	-	33	-	1	4	-	-	-	421	14	-	2
Wisconsin .....	-	12	-	-	-	-	-	-	124	5	2	37
WEST NORTH CENTRAL .....	-	21	1	8	-	3	-	1	1,040	3	20	371
Minnesota .....	-	1	-	-	-	-	-	-	147	-	7	91
Iowa .....	-	1	-	-	-	-	-	-	92	-	8	103
Missouri .....	-	8	1	8	-	2	-	-	543	1	1	39
North Dakota .....	-	2	-	-	-	-	-	-	12	-	1	61
South Dakota .....	-	3	-	-	-	-	-	-	23	-	-	30
Nebraska .....	-	3	-	-	-	-	-	-	78	-	1	5
Kansas .....	-	3	-	-	-	1	-	1	145	2	2	42
SOUTH ATLANTIC .....	3	128	-	6	2	11	-	10	4,342	158	8	132
Delaware .....	-	-	-	-	-	-	-	-	23	3	-	-
Maryland .....	1	16	-	-	1	2	-	-	222	16	-	2
District of Columbia .....	-	6	-	-	-	1	-	-	229	26	-	-
Virginia .....	-	26	-	4	1	4	-	8	362	40	1	42
West Virginia .....	-	5	-	-	-	1	-	-	46	-	1	32
North Carolina * .....	2	21	-	-	-	-	-	1	791	13	-	-
South Carolina .....	-	-	-	-	-	-	-	1	1,508	25	-	-
Georgia * .....	-	28	-	1	-	-	-	-	361	15	5	34
Florida .....	-	26	-	1	-	3	-	-	800	20	1	22
EAST SOUTH CENTRAL .....	2	45	-	2	-	7	-	2	1,253	34	7	351
Kentucky * .....	-	15	-	-	-	2	-	-	160	6	-	122
Tennessee .....	2	12	-	1	-	1	-	1	522	10	6	193
Alabama .....	-	6	-	1	-	-	-	1	348	8	1	36
Mississippi .....	-	12	-	-	-	4	-	-	223	10	-	-
WEST SOUTH CENTRAL .....	-	73	2	18	1	7	-	5	1,457	47	20	327
Arkansas .....	-	3	-	10	1	3	-	-	50	2	5	54
Louisiana .....	-	8	-	1	-	-	-	-	337	18	1	18
Oklahoma .....	-	4	2	4	-	1	-	3	132	-	7	149
Texas .....	-	58	-	3	-	3	-	2	938	27	7	106
MOUNTAIN .....	-	13	-	2	-	3	-	-	511	8	2	23
Montana .....	-	5	-	-	-	-	-	-	31	-	-	-
Idaho .....	-	1	-	-	-	-	-	-	21	-	-	-
Wyoming .....	-	1	-	-	-	-	-	-	4	-	-	-
Colorado .....	-	1	-	1	-	-	-	-	89	1	-	-
New Mexico .....	-	5	-	-	-	1	-	-	85	-	2	3
Arizona * .....	-	-	-	1	-	1	-	-	135	6	-	20
Utah .....	-	-	-	-	-	1	-	-	59	1	-	-
Nevada .....	-	-	-	-	-	-	-	-	87	-	-	-
PACIFIC .....	-	91	-	1	-	26	-	-	1,855	36	10	83
Washington .....	-	6	-	-	-	-	-	-	192	2	-	-
Oregon .....	-	4	-	-	-	-	-	-	109	2	-	-
California .....	-	79	-	-	-	23	-	-	1,533	32	10	79
Alaska * .....	-	-	-	1	-	-	-	-	21	-	-	4
Hawaii .....	-	2	-	-	-	3	-	-	-	-	-	-
Guam .....	-	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico .....	-	6	-	-	-	2	-	-	60	13	-	21
Virgin Islands .....	-	-	-	-	-	-	-	-	17	8	-	-

\*Delayed reports: Tuberculosis: N.C. delete 1  
Tularemia: Ga. 1  
Gonorrhea: Ariz. 87

Syphilis: Ariz. 2, Alaska delete 2  
Rabies in animals: Ky. 11

# Morbidity and Mortality Weekly Report

**TABLE IV. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDING MAY 6, 1972**

Week No.  
18

(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>	717	456	21	35	<b>SOUTH ATLANTIC</b>	1,239	684	52	38
Boston, Mass.	230	125	7	13	Atlanta, Ga.	151	80	10	7
Bridgeport, Conn.	44	25	3	4	Baltimore, Md.	241	139	7	—
Cambridge, Mass.	23	16	—	6	Charlotte, N. C.	61	23	3	—
Fall River, Mass.	33	22	2	1	Jacksonville, Fla.	82	55	5	—
Hartford, Conn.	58	37	3	1	Miami, Fla.	114	60	9	3
Lowell, Mass.	30	19	—	—	Norfolk, Va.	50	24	1	3
Lynn, Mass.	26	17	1	—	Richmond, Va.	89	48	2	6
New Bedford, Mass.	24	17	—	1	Savannah, Ga.	40	21	1	5
New Haven, Conn.	52	35	2	—	St. Petersburg, Fla.	101	84	—	1
Providence, R. I.	50	28	2	5	Tampa, Fla.	75	43	6	7
Somerville, Mass.	10	9	—	2	Washington, D. C.	178	81	3	6
Springfield, Mass.	51	38	1	1	Wilmington, Del.	57	26	5	—
Waterbury, Conn.	27	22	—	—	<b>EAST SOUTH CENTRAL</b>	657	335	33	27
Worcester, Mass.	59	46	—	1	Birmingham, Ala.	111	58	9	4
<b>MIDDLE ATLANTIC</b>	3,086	1,815	107	102	Chattanooga, Tenn.	60	31	1	5
Albany, N. Y.	56	33	5	3	Knoxville, Tenn.	27	19	1	—
Allentown, Pa.	20	13	—	—	Louisville, Ky.	148	72	1	14
Buffalo, N. Y.	150	88	5	10	Memphis, Tenn.	168	85	14	—
Camden, N. J.	46	28	1	3	Mobile, Ala.	43	24	3	1
Elizabeth, N. J.	25	17	—	1	Montgomery, Ala.	24	10	—	1
Eric, Pa.	40	24	—	1	Nashville, Tenn.	76	36	4	2
Jersey City, N. J.	68	45	9	5	<b>WEST SOUTH CENTRAL</b>	1,219	624	66	32
Newark, N. J.	73	34	2	1	Austin, Tex.	42	27	1	1
New York City, N. Y. †	1,576	919	47	49	Baton Rouge, La.	42	18	2	1
Paterson, N. J.	45	30	1	1	Corpus Christi, Tex.	33	19	2	3
Philadelphia, Pa.	489	282	15	7	Dallas, Tex.	137	64	6	2
Pittsburgh, Pa.	136	80	8	7	El Paso, Tex.	50	23	9	4
Reading, Pa.	35	20	2	4	Fort Worth, Tex.	88	46	2	—
Rochester, N. Y.	105	62	3	2	Houston, Tex.	254	115	8	2
Schenectady, N. Y.	20	13	—	3	Little Rock, Ark.	59	32	4	3
Scranton, Pa.	28	20	3	2	New Orleans, La.	147	72	12	4
Syracuse, N. Y.	77	49	5	—	Oklahoma City, Okla.	86	45	6	—
Trenton, N. J.	34	16	1	1	San Antonio, Tex.	131	77	11	2
Utica, N. Y.	32	23	—	2	Shreveport, La.	57	28	1	2
Yonkers, N. Y.	31	19	—	—	Tulsa, Okla.	93	58	2	8
<b>EAST NORTH CENTRAL</b>	2,500	1,409	111	73	<b>MOUNTAIN</b>	508	268	21	17
Akron, Ohio	57	34	3	—	Albuquerque, N. Mex.	45	23	1	1
Canton, Ohio	37	18	—	2	Colorado Springs, Colo.	30	14	2	3
Chicago, Ill.	649	358	30	9	Denver, Colo.	99	53	2	3
Cincinnati, Ohio	160	89	6	3	Ogden, Utah	22	15	—	2
Cleveland, Ohio	207	103	11	6	Phoenix, Ariz.	128	66	6	1
Columbus, Ohio	136	72	9	4	Pueblo, Colo.	29	10	1	4
Dayton, Ohio	99	59	4	4	Salt Lake City, Utah	70	42	7	2
Detroit, Mich.	321	170	17	8	Tucson, Ariz.	85	45	2	1
Evansville, Ind.	49	33	—	—	<b>PACIFIC</b>	1,520	960	43	40
Flint, Mich. **	50	27	3	2	Berkeley, Calif.	13	10	—	1
Fort Wayne, Ind.	58	32	5	5	Fresno, Calif.	51	28	2	—
Gary, Ind.	34	20	2	1	Glendale, Calif.	37	28	—	—
Grand Rapids, Mich.	51	36	1	4	Honolulu, Hawaii **	49	25	3	2
Indianapolis, Ind.	140	74	5	3	Long Beach, Calif.	118	78	5	6
Madison, Wis.	39	22	1	8	Los Angeles, Calif.	481	299	14	9
Milwaukee, Wis.	126	80	4	6	Oakland, Calif.	65	40	4	4
Peoria, Ill.	45	28	1	—	Pasadena, Calif.	37	24	—	—
Rockford, Ill.	39	25	—	4	Portland, Oreg.	125	83	4	2
South Bend, Ind.	43	29	2	1	Sacramento, Calif.	48	28	1	—
Toledo, Ohio	81	45	5	1	San Diego, Calif.	102	62	2	5
Youngstown, Ohio	79	55	2	2	San Francisco, Calif.	142	84	3	5
<b>WEST NORTH CENTRAL</b>	789	494	37	24	San Jose, Calif.	48	31	1	1
Des Moines, Iowa	54	37	3	—	Seattle, Wash.	121	79	1	4
Duluth, Minn.	20	12	—	—	Spokane, Wash.	41	31	1	—
Kansas City, Kans.	34	18	4	1	Tacoma, Wash.	42	30	2	1
Kansas City, Mo.	123	72	5	2	<b>Total</b>	12,235	7,045	491	388
Lincoln, Nebr.	23	16	3	3	<b>Expected Number</b>	12,803	7,354	548	469
Minneapolis, Minn.	94	62	3	1	<b>Cumulative Total</b>	242,556	142,693	9,250	11,449
Omaha, Nebr.	69	50	2	3	(includes reported corrections for previous weeks)				
St. Louis, Mo.	227	131	8	6					
St. Paul, Minn.	82	60	2	5					
Wichita, Kans.	63	36	7	3					
Las Vegas, Nev.*	19	6	—	1					

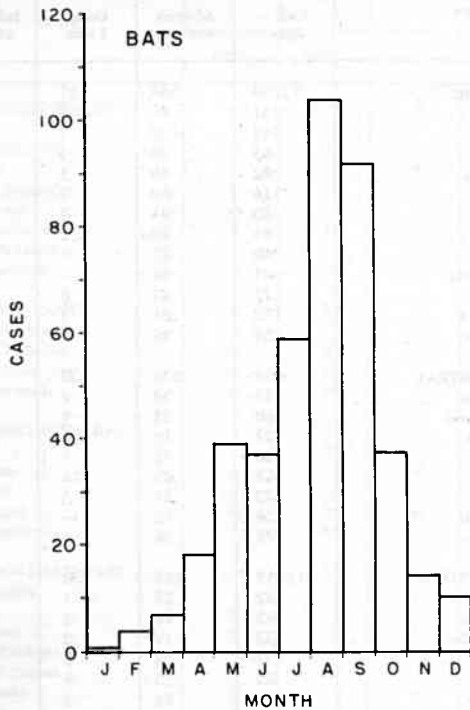
\*Mortality data are being collected from Las Vegas, Nev., for possible inclusion in this table, however, for statistical reasons, these data will be listed only and not included in the total, expected number, or cumulative total, until 5 years of data are collected.

†Delayed report for week ending April 29, 1972

\*\*Estimate based on average percent of divisional total

RABIES - Continued

Figure 4  
RABIES CASES REPORTED IN BATS, BY MONTH - 1971



A total of 32 states and Puerto Rico reported 941 cases of rabies in domestic animals, 222 fewer than for 1970. Affected were 398 cattle, 235 dogs, 222 cats, 48 horses and mules, 30 sheep and goats, 6 swine, and 2 guinea pigs. Cattle rabies was reported from 235 counties, most of which were in skunk enzootic areas, in 28 states and Puerto Rico.

Although the 235 cases in dogs was an increase over the record low of 185 cases reported for 1970, dog cases as a percentage of the total reported continued to decline (5.4% vs. 5.6%). A total of 170 counties in 24 states reported cases in dogs, but no county reported more than five cases.

Rabies in cats was reported by 24 states and Puerto Rico. Although most of the cat cases were scattered, there was a concentration of cases in Maine, where 16 cat cases were reported from seven counties in March at the height of an outbreak in foxes.

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

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

Center for Disease Control  
Attn: Chief, Rabies Control Unit  
Epidemiology Program  
Lawrenceville, Georgia 30245

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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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