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For Week Ending May 6, 1972

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE / PUBLIC HEALTH SERVICE FEALTH SERVICES AND MENTAL HEALTH ADMINISTRATION DATE OF RELEASE: MAY 12, 1972 - ATLANTA, GEORGIA 30333

### 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

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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)

	18th W	EEK ENDED	MEDIAN	CUMULAT	TIVE, FIRST	18 WEEKS
DISEASE	May 6, 1972	May 8, 1971	MEDIAN 1967-1971	1972	1971	MEDIAN 1967-1971
Aseptic meningitis	56	38	35	605	831	528
Brucellosis	Targette II-	2	2	43	44	49
Unickennox	5,295			74,937	NAME OF TAXABLE	
Diphtheria	1	3	3	38	64	64
Encephalitis, primary:				A		
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
	1	2	6	27	169	129
Military	2,390	4,190		38,708	67,230	
Mumps	1,022	1,631	2,519	13,783	24,410	25,875
	6	1,051	2,517	30	27	36
Tetanus	627			11,205		
Tuberculosis, new active			1890 11	39	30	31
Tularemia	3	11	7	89	90	85
Typhoid fever		11		21	14	11
Typhus, tick-borne (Rky. Mt. spotted fever) Venereal Diseases: †		3	3			11
Gonorrhea	14,337	11,783		233,970	210,165	111111111111111111111111111111111111111
Syphilis, primary and secondary	453	436	01 Ong ====	8,164	8,121	1
Rabies in animals	79	97	97	1,533	1,638	1,400

TABLE II. NOTIFIABLE DISEASES OF LOW FREQUENCY

Community restricts research manages virus describe the news	Cum.	Mind is mother to be a second of the second	Cum.
Botulism: Congenital rubella syndrome: Leprosy: Calif. – 1 Leptospirosis:	15 37 4	Poliomyelitis, total: Paralytic: Psittacosis: Rabies in man: Trichinosis: N.Y.C 1 Typhus, murine: Tex 1	5 10 1 32

**MEASLES** - Continued

Figure 1
MEASLES CASES, BY WEEK OF ONSET
CLAY COUNTY, MISSISSIPPI – NOV. 15, 1971-JAN. 10, 1972

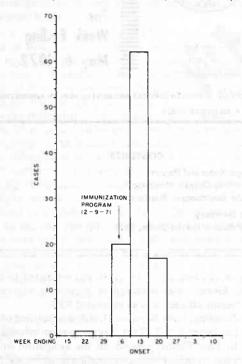


Table 1
Age Distribution of Measles Patients
Clay County, Mississippi — November-December 1971

Age Group (Years)	Number of Cases
<1	4 T 40 AL
1-4	15
5-9	38
>10	46
Total	100

on December 9. A total of 688 vaccine doses were administered: 604 to children 5-9 years old and 84 to children 10-12. This campaign brought measles immunity levels in young schoolchildren to nearly 90%.

(Reported by Thomas E. Waller, M.D., Health Officer, Clay County, West Point, Mississippi: David Adcock, Assistant Supervisor, Paul Turner, Supervisor, Immunization Program, and Durward L. Blakey, M.D., Director, Preventable Disease Control, Mississippi State Board of Health.)

### **Editorial Note**

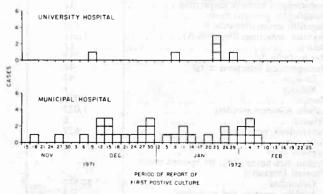
The rapid mobilization of the vaccination program in Clay County deserves notice. Almost 700 doses of vaccine were administered within 48 hours after the State Board of Health was notified of the outbreak. The number of cases declined sharply in the second week after the vaccination campaign, much sooner than would have been expected had the epidemic been allowed to run its course.

### SALMONELLA HEIDELBERG - Puerto Rico

Between Nov. 19, 1971, and Feb. 7, 1972, an outbreak of salmonellosis involving 38 children occurred on the pediatric wards of the Municipal and University hospitals in San Juan, Puerto Rico. Group B salmonella was isolated from stool and/or blood specimens from all patients (Figure 2). All had diarrhea, 19 (50%) had salmonella septicemia, and four of these patients died. The organism was subsequently identified as Salmonella heidelberg.

Epidemiologic investigation revealed that the disease was introduced into the pediatric ward of the Municipal Hospital by a patient admitted with acute gastroenteritis. His stool specimen was positive for group B salmonella at the time of admission. Salmonella was introduced into the University Hospital pediatric ward when a child on the Municipal Hospital ward during the early epidemic period was sent home and then admitted to the University Hospital. His stool and blood specimens were positive for group B salmonella at that time. No other patients with specimens cultured at the time of their first admission were found to be positive for group B salmonella, although five were positive upon readmission. Salmonella contamination spread contiguously from bed to bed and from room to room. Contamination of distant areas of the pediatric wards occurred when nurses from heavily contaminated areas worked in these areas. In one instance, a cluster of three cases in a distant area was directly related to a nurse identified as an asymptomatic carrier. In addition to this nurse, two physicians and two persons working in the

Figure 2
SALMONELLOSIS CASES, BY 3-DAY PERIOD
OF REPORT OF FIRST POSITIVE CULTURE
UNIVERSITY AND MUNICIPAL HOSPITALS
SAN JUAN, PUERTO RICO — NOV. 15, 1971-FEB. 25, 1972



formula preparation room were identified as asymptomatic carriers. They were temporarily relieved of duty until three successive stool cultures were negative; they received no antibiotics. Comparisons between use of formulas and specific intravenous fluids in the salmonella-infected patients and suitable control groups did not implicate either as a source of infection. Cultures of the formulas at different stages of preparation were negative for *S. heidelberg*.

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 Jimenez, 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-

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



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)

### 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)

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irgin Islands	23 -		- Total	- 15 <del>0</del> 150	-	. K		12-50	- 1	_	

<sup>\*</sup>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

Magra Residen	MAL	ARIA	ME	ASLES (Rub	eola)	MENINGO	COCCAL IN TOTAL	IFECTIONS,	MU	MPS	RUE	ELLA
AREA	1972	Cum.	1972	Cumi	ılative	1972	Cum	ulative	1972	Cum.	1972	Cum.
	1972	1972	1972	1972	1971	1972	1972	1971	1972	1972	1972  1,022  65 10 - 2 43 3 7  141 5 111 112 13  328 9 33 107 57 122  52 2 1 2 2 2 1 1 2 2 2 1 1 2 1 1 1 8 1 5 - 1 1 1 1 8 1 5 - 1 1 1 1 8 1 1 5 - 1 1 1 1 8 1 1 5 - 1 1 1 1 8 1 1 5 - 1 1 1 1 8 1 1 5 - 1 1 1 1 8 1 1 5 - 1 1 1 1 8 1 1 5 - 1 1 1 1 8 1 1 5 - 1 1 1 1 8 1 1 5 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1972
UNITED STATES	12	460	1,253	16,308	44,572	44	618	1,193	2,390	38,708	1,022	13,783
NEW ENGLAND	1021	10	205	1,517	1,765	1	25	51	63	1,582	65	657
Maine	135 4	1	59	162 148	824 101	-	3	7 8	2	181		57
New Hampshire	H호트 회		4	90	76		1 5 -		30	133 76		24 20
Massachusetts	1-	5	51	272	159	_	13	19	19	425		347
Rhode Island	( C-	- I	54	271	33	1	7	2	6	282	3	51
Connecticut	-	4	33	574	572	- <del>-</del>	2	15	6	485	7	158
IDDLE ATLANTIC	2	35	24	692	4,721	11	69	147	112	1,769	141	1,133
Upstate New York	200	7	9	84	315	1	16	38	NN	NN		152
New York City	45001	-5	5	139	2,704	5	18	24	65	811		127
New Jersey	1 /10 5	11 12	5 5	439 30	569	3 2	19 16	38	13	554		698
Pennsylvania	100	12	,	30	1,133		16	47	34	404	13	156
AST NORTH CENTRAL	2	47	497	6,139	8,676	7	80	122	657	10,790	328	3,713
Ohio	1 (-7	6	4	189	2,650	5	31	34	53	1,532		224
Indiana	1	1 17	176	938	1,429	1	9 16	6	144	738		449
Illinois	1	21	102	1,141	1,928 873	1	21	33	144 138	1,957		707 832
Wisconsin	l in t	2	148	1,551	1,796		3	8	285	4,699		1,501
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EST NORTH CENTRAL	1 3-0-0	29 3	80	607	4,582	6	55	107	431	6,995		676
Minnesota	11.5	3	73	14 377	38 1,747	1	11	16 7	4 317	571 4,969		43 320
Missouri	7-61	8	4	141	1,553	3	18	41	13	325		90
North Dakota	1 5-1	-1	2	38	157	_	_	4	15	272		20
South Dakota	12.11	4	-	4	186	-	2	5	2	81		12
Nebraska	35.3	3	1	15	30	475	7	11	27	200		44
Kansas	in the Cal	7		18	871	2	16	23	53	577	24	147
OUTH ATLANTIC	4	64	93	1,448	4,698	4	137	185	218	3,267	41	1,031
Delaware	-	100	1	12	27	-	1 m	1	2	37	-	2
Maryland	195	-0.37	-	10	308	1	24	27	3	152		28
District of Columbia	1.55	1 2	_		7	T	4	8	1	5		CYNER 1
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South Carolina	1-27	8	7	174	665		12	16	5	124	5	41
Georgia	1400	18	-	122	174	1	3	11	J	1		30
Florida	(-0.0	6	59	891	916	2	32	75	39	715	15	569
AST SOUTH CENTRAL	I tessi	122	24	869	5,970	4	51	111	119	1,999	41	1,092
Kentucky	1 (+13)	115	4	458	2,761	3	17	35	11	308		646
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EST SOUTH CENTRAL	2	51	44	984	9,809	6	76	107	176	3,079		1,049
Arkansas	1	3	1 2	8 60	632 1,364	3	7	4	7	91		17
Oklahoma	1	3		8	662	-	22 6	37	12 32	162 140		66 25
Texas	1.400	42	41	908	7,151	3	41	60	125	2,686	4	941
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OUNTAIN	1	33 1	99	1,124	2,112 822	1	12	31	155	2,125		716
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Wyoming	1-	_	_	1	72	_	1	1 1	12	194		6
Colorado	1	22	11	349	558		2	5	54	558		388
New Mexico	1.5	1	14	81	218		1	3	16	445		60
Arizona	1 = 10	-5	68	535	202	7 X	100	8	30	526		217
Utah	25.0	1	6	134	79 3		1	9	25 3	54 43		17
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ACIFIC	1	69	187	2,928	2,239	4	113	332	459	7,102		3,716
Washington	1 518	7	45	653	637	- <del>-</del> -	11	14	196	2,635		645
Oregon	1000	53	1 139	28 2,168	214 1,309	3	8 91	20 293	30 220	848		249
Alaska	1	2	-	2,100	8	-	-	293	220	3,413		15
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<sup>\*</sup>Delayed reports: Measles: Me. 9, N.H. 3, Vt. 48, La. delete 12 Meningococcal infections: Ind. delete 1

Mumps: 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 WEFK) — Continued

AREA  1972 1972 1972 1972 1972 Cam. 1972 1972 1972 1972 1972 1972 1972 1972		TETANUS	TB	THE	DEMIA	TYP	HOID		SFEVER	VENEREA	L DISEASES	RAB	IES IN
CNITED STATES	AREA	TETAITOS	(New Active)	TOLA	REWITA	FE'	VER					ANI	MALS
NEW ENGLAND    1   30   5   380   7   2	X04E 200	1972	1972	1972		1972		1972		1972	1972	1972	Cum. 1972
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Vermonts				-	-	10 To 10	74.000					1	51
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MIDDLE ATLANTIC				-					F-		- A	-	4-6
Upstate New York	Connecticut	3-	6		-	1	2	-	-	118	3	100	Sand S
Capatic New York		100-11	92	987	1	I IALLE	18	V 2	3	2,081	133	2	30
New Jersey   - 29					-				7-		-	467 -00	14
Pennsylvania													
ANT NORTH CENTRAL													16
Dhis	EAST NODTH CENTRAL	-0.4	12/			1		4.00		H. J.			
Indiana				100									158
Illinois	Indiana		12	_				1	7.0				40
Wisconsin         -         12         -         -         -         124         5         2           WEST NORTH CENTRAL         -         21         1         8         -         3         -         1         1,040         3         20         3           Minnestots         -         1         -         -         -         -         147         -         7         7         8         1         1         -         -         -         147         -         7         8         1         1         -         -         -         140         -         -         1         1         -         -         -         1         -         -         -         -         8         1         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         - <t< td=""><td></td><td></td><td></td><td>-3</td><td></td><td></td><td></td><td></td><td>15±</td><td>305</td><td>1</td><td>2</td><td>24</td></t<>				-3					15±	305	1	2	24
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Nover					8	1-5-6			1				371
Miscouri				7 7	1 5	175							103
North Diskota		1.24		1					1. 15.				39
Nebraska					-	1 = 1		115	1 -				61
Kanass   -   3   128   -   -   1   -   1   145   2   2				1.7	-						the second secon		30
Delaware				<u> </u>	_								42
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Maryland				2								_	132
Virginia		177			T -	1		-	-				trail 2
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North Carolina * 2 211		4		1 2									32
Georgia *		2	21	1 ' <del>-</del> 8		History Co.	16-	10.2	1		13		-
Florida			-										4650
Kentucky **						H JULY							22
Kenticky **	EAST SOUTH CENTRAL	2	45	Page 1	2	120.0	7	14,25	2	1.253	34	7	351
Alabama			15	1 123	-	345.3		-	1				122
Mississippi													193
Arkansas													36
Arkansas	VEST SOUTH CENTRAL	100	73	2	18	100	7	182	5	1.457	47	20	327
Oklahoma         -         4         2         4         -         1         -         3         132         -         7         1           Texas         -         58         -         3         -         2         938         27         7         1           MOUNTAIN         -         13         -         2         -         3         -         -         511         8         2           Montana         -         5         -         -         -         -         -         31         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -		-				1			_		2		54
Texas									4 1 1 1 1				18
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New Mexico	Wyoming	-	1	1 2	- 1								Also.
Arizona *		-		-		4							362
Utah     -     -     -     -     -     -     59     1     -       Nevada     -     -     -     -     -     -     -     87     -     -       ACIFIC     -     91     -     1     -     26     -     -     1,855     36     10       Washington     -     6     -     -     -     -     -     192     2     -       Oregon     -     4     -     -     -     -     -     109     2     -       California     -     79     -     -     23     -     -     1,533     32     10       Alaska     -     -     -     -     -     -     -     -     -     -       Hawaii     -     2     -     -     3     -     -     -     -     -       Juerto Rico     -     6     -     -     -     2     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -												2	20
ACIFIC 91 - 1 - 26 1,855 36 10  Washington 6 192 2  Oregon 4 109 2  California 79 23 1,533 32 10  Alaska 1 21	Utah												1153
Washington     -     6     -     -     -     -     192     2     -       Oregon     -     4     -     -     -     -     109     2     -       California     -     79     -     -     23     -     -     1,533     32     10       Alaska *     -     -     -     -     -     21     -     -       Hawaii     -     2     -     -     3     -     -     -     -     -       Juam     -     -     -     -     -     -     -     -     -     -     -       Juerto Rico     -     6     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     - </td <td>Nevada ,</td> <td>= 3-</td> <td>- 1-</td> <td>4</td> <td>15.</td> <td>-</td> <td></td> <td>() - <u></u></td> <td></td> <td></td> <td></td> <td>-</td> <td>1</td>	Nevada ,	= 3-	- 1-	4	15.	-		() - <u></u>				-	1
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ruerto Rico	Guam	18:21		1 3 1					1	1 2	1-12-1		
/irgin Islands	uerto Rico			: i									2

\*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

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

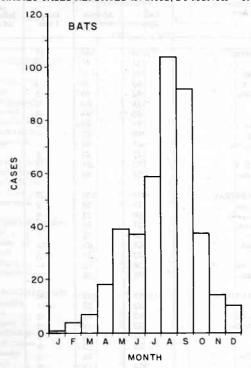
THE RESTAURANT		All Causes		Pneumonia		52015	All Causes	2021-127	Pneumoni
Area	All Ages	65 years and over	Under 1 year	and Influenza All Ages	Area	All Ages	65 years and over	Under 1 year	and Influenza All Ages
		11.0	The later		SOUTH ATLANTIC	1,239	684	52	3
EW ENGLAND	717	456	21	35	Atlanta, Ga.	151	80	10	
Boston, Mass.	230	125	7	13	Baltimore, Md.	241	139	7	
Bridgeport, Conn.	44	25	3	4	Charlotte, N. C.	61	23	3	
Cambridge, Mass.	23	16	-	6	Jacksonville, Fla.	82	55	5	2
Fall River, Mass.	33	22	2	- 1 - 1 ×	Miami, Fla.	114	60	9	
Hartford, Conn	58	37	3	1 1	Norfolk, Va	50	24	1	100
Lowell, Mass.	30	19	Dilles and	110000000	Richmond, Va.	89	48	2	
Lynn, Mass.	26	17	1	1469	Savannah, Ga.	40	21	1	
New Bedford, Mass.	24	17	· -	1	St. Petersburg, Fla.	101	84	_	
New Haven, Conn.	52	35	2		Tampa, Fla.	75	43	6	
Providence, R. I.	50	28	2	5	Washington, D. C.	178	81	3	
Somerville, Mass	10	9	19400, 40	2	Wilmington, Del.	57	26	5	TE II
Springfield, Mass.	51	38	1	1		1 + -	1		100
Waterbury, Conn	27	22	-	7	EAST SOUTH CENTRAL	657	335	33	- 2
Worcester, Mass.	59	46		1	Birmingham, Ala	111	58	9	
Inn Later State	Almed her	1 10	Late Barrier	1000000	Chattanooga, Tenn	60	31	1	
DDLE ATLANTIC	3,086	1,815	107	102	Knoxville, Tenn.	27	19	1	
Albany, N. Y.	56	33	5	3	Louisville, Ky.	148	72	1	
Allentown, Pa.	20	13	-	-	Memphis, Tenn.	168	85	14	100
Buffalo, N. Y.	150	88	5	10	Mobile, Ala.	43	24	3	
Camden, N. J.	46	28	1	3	Montgomery, Ala	24	10		77.7
Elizabeth, N. J.	25	17	- 1 <del>-</del> 1	1	Nashville, Tenn.	76	36	4	100
Erie, Pa.	40	24	Transfer	1					
Jersey City, N. J.	68	45	9	5	WEST SOUTH CENTRAL	1,219	624	66	
Newark, N. J.	73	34	2	1	Austin, Tex.	42	27	1	
New York City, N. Y. †	1,576	919	47	49	Baton Rouge, La	42	18	2	
Paterson, N. J.	45	30	1	1	Corpus Christi, Tex.	33	19	2	
Philadelphia, Pa	489	282	15	7	Dallas, Tex.	137	64	6	
Pittsburgh, Pa.	136	80	8	7	El Paso, Tex.	50	23	9	
Reading, Pa.	35	20	2	4	Fort Worth, Tex.	88	46	2	
Rochester, N. Y.	105	62	3	2	Houston, Tex.	254	115	8	
Schenectady, N. Y.	20	13		3	Little Rock, Ark	59	32	4	OL TON
Scranton, Pa.	28	20	3	2	New Orleans, La	147	72	12	
Syracuse, N. Y.	77	49	5	-	Oklahoma City, Okla.	86	45	6	MAG
Trenton, N. J.	34	16	1	1	San Antonio, Tex	131	77	11	
Utica, N. Y. Yonkers, N. Y.	32 31	23 19		2	Shreveport, La	57	28	1 2	LIP ST
	a times				Tulsa, Okla.	93	58	2	0.14
ST NORTH CENTRAL	2,500	1,409	111	73	MOUNTAIN	508	268	21	1
Akron, Ohio	57	34	3		Albuquerque, N. Mex	45	23	1	
Canton, Ohio	37	18		2	Colorado Springs, Colo	30	14	2	
Chicago, III.	649	358	30	9	Denver, Colo.	99	53	2	
Cincinnati, Ohio	160	89	6	3	Ogden, Utah	22	15	all the second	
Cleveland, Ohio	207	103	= 11	6	Phoenix, Ariz.	128	66	6	- P 5-1
Columbus, Ohio	136	72	9	4	Pueblo, Colo.	29	10	HOW US	Dillo.
Dayton, Ohio	99	59	4	4	Salt Lake City, Utah	70	42	7	15000
Detroit, Mich.	321	170	17	8	Tucson, Ariz.	85	45	2	
Evansville, Ind.	49	33	71	-	50		- A0		10.00
Flint, Mich. **	50	27	3	2	PACIFIC	1,520	960	43	LI CON
Fort Wayne, Ind.	58	32	5	5	Berkeley, Calif.	13	10	-	
Gary, Ind.	34	20	2	1	Fresno, Calif.	51	28	2	1.1.1.
Grand Rapids, Mich.	51	36	111	4	Glendale, Calif.	37	28	-	170
Indianapolis, Ind.	140	74	5	3	Honolulu, Hawaii **	49	25	3	
Madison, Wis.	39	22	1	8	Long Beach, Calif	118	78	5	100
Milwaukee, Wis.	126	80	4	6	Los Angeles, Calif.	481	299	14	
Peoria, III.	45	28	1		Oakland, Calif.	65	40	4	
Rockford, Ill.	39	25	7	4	Pasadena, Calif.	37	24	-	41 -1
South Bend, Ind.	43	29	2	1	Portland, Oreg.	125	83	4	
Toledo, Ohio	81	45	5	1	Sacramento, Calif.	48	28	1	100
Youngstown, Ohio	79	55	2	2	San Diego, Calif	102	62	2	300-
		_ :			San Francisco, Calif	142	84	3	140 04
ST NORTH CENTRAL	789	494	37	24	San Jose, Calif.	48	31	1	241 5
Des Moines, Iowa	54	37	3	4 -	Seattle, Wash.	121	79	1	75.5
Duluth, Minn.	20	12	_	-	Spokane, Wash	41	31	1	13
Kansas City, Kans.	34	18	4	1	Tacoma, Wash.	42	30	2	
Kansas City, Mo.	123	72	5	2	GARRANCE STOWNS CO.				
Lincoln, Nebr.	23	16	3	3	Total	12,235	7,045	491	38
Minneapolis, Minn.	94	62	3	1	1,155,00				
Omaha, Nebr.	69	50	2	3	Expected Number	12,803	7,354	548	46
St. Louis, Mo	227	131	8	6	Cumulative Total				
St. Paul, Minn.	82	60	2	5	(includes reported corrections	242,556	142,693	9,250	11,44
Wichita, Kans.	63	36	7	3	for previous weeks)				
as Vegas, Nev.*	19	6	1 -1	1	*Mortality data are being collected table, however, for statistical rease the total, expected number, or c	ons, these data	will be listed o	only and not i	

<sup>†</sup>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

The Morbidity and Mortality Weekly Report, circulation 28,000, is published by the Center for Disease Control, Atlanta, Ga.

Director, Center for Disease Control Director, Epidemiology Program, CDC Editor, MMWR Managing Editor David J. Sencer, M.D. Philip S. Brachman, M.D. Michael B. Gregg, M.D. Susan J. Dillon

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 Attn: Editor Morbidity and Mortality Weekly Report Atlanta, Georgia 30333

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U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE PUBLIC HEALTH SERVICE HEALTH SERVICES AND MENTAL HEALTH ADMINISTRATION

CENTER FOR DISEASE CONTROL ATLANTA, GEORGIA 30333

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