



# Morbidity and Mortality

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

DATE OF RELEASE: JULY 4, 1969 - ATLANTA, GEORGIA 30333

**EPIDEMIOLOGIC NOTES AND REPORTS**

**HUMAN PLAGUE - New Mexico**

The presumptive case of plague reported last week in an 18-year-old man in Placitas, New Mexico, (MMWR, Vol. 18, No. 25) has been confirmed. Identification of the isolate was confirmed by staining techniques, culture, mouse inoculation, fluorescent antibody examination, and bacteriophage lysis.

The patient made a complete recovery and was discharged from the hospital on June 26. No subsequent cases have been reported.

Field material gathered during the investigation is still being examined. To date, evidence of plague has been found in two field rodents. One was collected 100 yd. from the patient's residence, and the other about 4 miles away.

**CONTENTS**

Epidemiologic Notes and Reports  
 Human Plague - New Mexico . . . . . 225  
 Imported Measles Cases - Washington, D.C. . . . . 226  
 Surveillance Summary  
 Trichinosis - United States 1968 . . . . . 226  
 International Notes  
 Smallpox . . . . . 227  
 Quarantine Measures . . . . . 232

(Reported by Bruce Storrs, M.D., Director, and T. H. Tomlinson, Jr., M.D., Division of Medical Services, Eva Wallen, M.D., District Health Officer, District III, Brian Miller, Chief, General Sanitation Section, and the Public Health Laboratory, New Mexico Department of Health; and the Zoonoses Section Laboratory, Ecological Investigations Program, NCDC, Fort Collins, Colorado, and Kansas City, Kansas.)

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

DISEASE	26th WEEK ENDED		MEDIAN 1964 - 1968	CUMULATIVE, FIRST 26 WEEKS		
	June 28, 1969	June 29, 1968		1969	1968	MEDIAN 1964 - 1968
Aseptic meningitis . . . . .	62	50	41	776	883	765
Brucellosis . . . . .	5	14	7	77	91	120
Diphtheria . . . . .	1	2	2	69	86	82
Encephalitis, primary:						
Arthropod-borne & unspecified . . . . .	21	19	27	490	435	663
Encephalitis, post-infectious . . . . .	10	12	18	163	276	456
Hepatitis, serum . . . . .	102	97	598	2,620	2,052	20,805
Hepatitis, infectious . . . . .	836	822	6	23,622	21,880	
Malaria . . . . .	58	52	6	1,316	1,054	149
Measles (rubeola) . . . . .	667	487	2,718	17,932	17,492	178,678
Meningococcal infections, total . . . . .	54	44	40	2,022	1,660	1,660
Civilian . . . . .	51	38	---	1,831	1,497	---
Military . . . . .	3	6	---	191	163	---
Mumps . . . . .	1,258	1,834	---	61,050	115,967	---
Poliomyelitis, total . . . . .	—	3	5	3	26	26
Paralytic . . . . .	—	3	3	3	26	24
Rubella (German measles) . . . . .	1,016	875	---	44,451	39,958	---
Streptococcal sore throat & scarlet fever. . . . .	4,889	5,361	5,018	259,372	257,033	257,033
Tetanus . . . . .	6	5	5	63	69	91
Tularemia . . . . .	3	6	6	79	93	93
Typhoid fever . . . . .	5	10	7	136	143	176
Typhus, tick-borne (Rky. Mt. spotted fever) . . . . .	24	6	11	161	82	82
Rabies in animals . . . . .	71	78	70	1,892	1,902	2,294

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

	Cum.		Cum.
Anthrax: . . . . .	2	Rabies in man: . . . . .	1
Botulism: . . . . .	10	Rubella congenital syndrome: . . . . .	5
Leptospirosis: Calif.-1 . . . . .	29	Trichinosis: Mass.-1, Ohio-1, Vt.-2 . . . . .	145
Plague: . . . . .	—	Typhus, murine: Ohio-1, Tex.-3 . . . . .	15
Psittacosis: Calif.-1 . . . . .	18		

EPIDEMIOLOGIC NOTES AND REPORTS  
IMPORTED MEASLES CASES - Washington, D.C.

The first cases of measles reported in the District of Columbia since April 1968 occurred during May 1969 in two sisters, aged 21 months and 5 years. These cases were diagnosed at the Walter Reed Army Hospital clinic and were the first measles cases seen there in nearly 3 years.

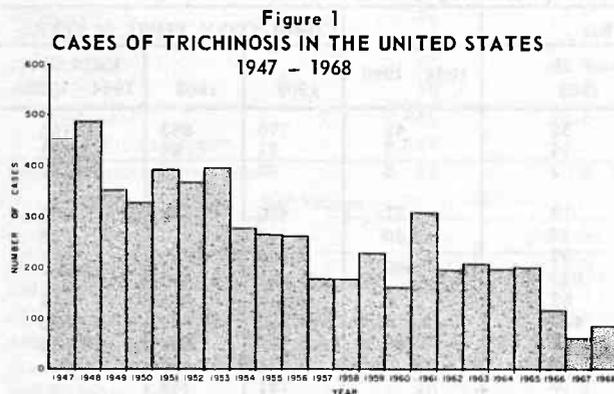
Both sisters had visited their grandmother in Smithfield, Johnston County, North Carolina, from early April through mid-May. While there they had contact with a young child with diagnosed rubeola. They returned to their home in Washington, D.C. on May 18. On May 20 the younger child and on May 22 the older girl developed an illness characterized by fever, conjunctivitis, cough, and a maculopapular rash. The older child was seen early in her illness. Scarlet fever was considered, but a throat

culture was negative for streptococci. Both children were seen several days later; one was then noted to have Koplik spots and the other a rash compatible with measles. Although both children had been followed regularly in a well-baby clinic, neither had received measles immunization because of frequent colds and febrile illnesses which had interfered with their immunization schedules. The children were kept at home during their measles illnesses, and no secondary cases were found in the neighborhood or among known contacts.

*(Reported by William Long, M.D., Chief, Epidemiology Division, D.C. Department of Public Health; Lillian Ziegler, M.D., Civilian Physician, Pediatric Clinic, Walter Reed Army Hospital; and an EIS Officer.)*

SURVEILLANCE SUMMARY  
TRICHINOSIS - United States 1968

In the United States during 1968, a total of 84 cases of trichinosis were reported, an increase over the 67 cases reported in 1967 (Figure 1). There were five outbreaks with four or more cases, and the first trichinosis-related death since 1966. The 84 cases were reported from 22 states (Table 1). New York reported the largest number of cases with 17, of which 12 were from New York City.



Of the 84 cases, age was known for 74; the mean age was 32 years for men and 34 years for women. The sex of patients was reported in 78 cases; 41 were men and 37 women. The mean incubation period for the 50 cases with the date of consumption reported was 12 days. The mean period between date of onset and serologic diagnosis for 35 cases was 26 days. Sera were collected from 57 of the 84 cases and 51 of these 57 cases were serologically positive. Muscle biopsy was performed in 28 cases, of which 21 were positive (Table 2).

Of the 84 cases, 60 were associated with pork products as the source of infection; 30 of these were related to sausage. Seven cases were associated with hamburger,

Table 1  
Cases of Trichinosis by State - 1968

State	Cases
New York	17
Ohio	14
Alaska	8
Massachusetts	5
Washington	4
California	4
New Jersey	4
Rhode Island	4
Mississippi	4
West Virginia	3
Texas	2
Michigan	2
Wisconsin	2
Virginia	2
Hawaii	2
Pennsylvania	1
Tennessee	1
Missouri	1
Illinois	1
Connecticut	1
Iowa	1
New Mexico	1
Total	84

probably reflecting contamination of beef when ground in meat grinders used previously to grind pork. Eight cases were attributed to bear meat and two cases to wild swine.

The place where the meat was consumed was reported for 69 cases with 63 acquiring infection in homes and six in commercial eating places. The source of meat was determined in 57 cases; 43 purchased the meat from commercial sources, four acquired infection from farm grown and processed pork, and 10 cases were from wild game processed at home. Of the 84 cases, 36 claimed that the

**Table 2**  
Serologic and Muscle Biopsy Tests - Trichinosis, 1968

Serology	Muscle Biopsy				Total
	Positive	Negative	Not Done	Unknown	
Positive	10	5	31	5	51
Negative	3	0	3	0	6
Not Done	7	2	11	5	25
Unknown	1	0	1	0	2
<b>Total</b>	<b>21</b>	<b>7</b>	<b>46</b>	<b>10</b>	<b>84</b>

meat had been cooked or partially cooked, 34 ate uncooked meat, and the preparation was unknown in 14 cases. (Reported by the Parasitic Diseases Branch, Epidemiology Program, NCDC.)

A copy of the original report from which these data were derived is available on request from the National Communicable Disease Center Attn: Chief, Parasitic Diseases Branch Epidemiology Program Atlanta, Georgia 30333

**INTERNATIONAL NOTES**  
**SMALLPOX**

Smallpox incidence continues to decline throughout the 19-country area of the West and Central African Regional Smallpox Eradication and Measles Control Program, with only 14 cases reported during May 1969 (Figure 2).

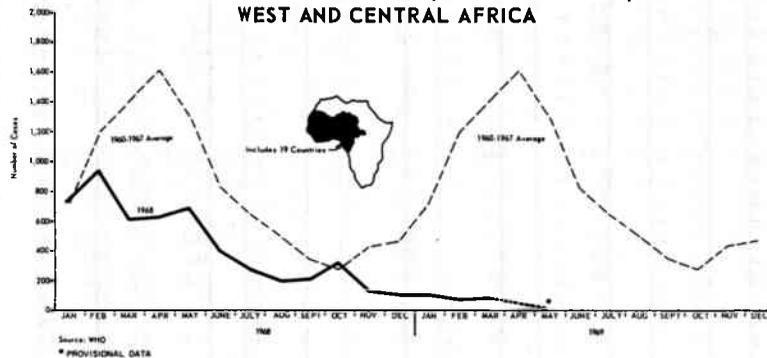
Through the first 22 weeks (week ending May 31), 348 cases of smallpox were reported to the World Health Organization by the 19 countries (Table 3). This is a decrease of 90.1 percent from the 3,527 cases reported during the comparable period in 1968.

Since the beginning of the Program in January 1967, approximately 85 million smallpox vaccinations have been administered in the area, which has a 1969 mid-year population estimate of 119 million persons.

(Reported by Smallpox Eradication Program, NCDC.)

Source: World Health Organization Weekly Epidemiological Record, 44(25):414.

**Figure 2**  
REPORTED SMALLPOX CASES BY MONTH, 1960-67 AVERAGE, 1968 AND 1969  
WEST AND CENTRAL AFRICA



**Table 3**  
Provisional Number of Smallpox Cases by Week - West and Central Africa

Week Ending	1969												1968						
	29 Dec. - 1 Feb.	2 Feb. - 29 Mar.	March				April				May				Total to Date	Total Same Period	Total for Year		
Week Number	1 - 5	6 - 9	10	11	12	13	14	15	16	17	18	19	20	21	22				
Country*																			
Cameroon	11	3	1	-	-	-	-	-	-	-	-	-	-	-	-	15	82	87	
Chad	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	5	
Dahomey	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	308	359	
Ghana	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	4	26	
Guinea	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	225	330	
Liberia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	5	
Mali	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	56	58	
Niger	2	5	13	-	1	-	-	-	1	1	-	-	-	-	-	23	571	678	
Nigeria	21	40	5	45	5	8	2	...	1	3	7	...	1	2	-	140	1,534	1,832	
Sierra Leone	23	30	2	1	-	-	10	1	-	3	...	-	2	-	-	72	417	1,143	
Togo	13	6	1	1	1	-	-	33	12	-	-	-	1	2	-	76	290	791	
Upper Volta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34	100	
<b>Total</b>	<b>91</b>	<b>85</b>	<b>22</b>	<b>47</b>	<b>7</b>	<b>8</b>	<b>12</b>	<b>34</b>	<b>14</b>	<b>7</b>	<b>7</b>	<b>1</b>	<b>5</b>	<b>2</b>	<b>6</b>	<b>348</b>	<b>3,527</b>	<b>5,414</b>	

- No cases.

... Data not available.

\*No cases reported from Central African Republic, Congo (B), Gabon, Gambia, Ivory Coast, Senegal, and Mauritania.

## Morbidity and Mortality Weekly Report

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

JUNE 28, 1969 AND JUNE 29, 1968 (26th WEEK)

AREA	ASEPTIC MENIN- GITIS	BRUCEL- LOSIS	DIPHThERIA	ENCEPHALITIS			HEPATITIS			MALARIA	
				Primary	Including	Post-	Serum	Infectious		1969	Cum. 1969
				unsp.	cases	Infectious		1969	1968		
UNITED STATES...	62	5	1	21	19	10	102	836	822	58	1,316
NEW ENGLAND.....	-	-	-	1	-	1	4	74	21	-	43
Maine*.....	-	-	-	-	-	-	-	-	1	-	2
New Hampshire.....	-	-	-	-	-	-	-	6	-	-	2
Vermont.....	-	-	-	-	-	-	-	1	-	-	-
Massachusetts.....	-	-	-	1	-	-	1	37	13	-	33
Rhode Island.....	-	-	-	-	-	-	-	23	1	-	2
Connecticut.....	-	-	-	-	-	1	3	7	6	-	4
MIDDLE ATLANTIC.....	4	-	-	8	3	-	40	148	146	14	152
New York City.....	3	-	-	4	1	-	19	67	43	2	13
New York, up-State.....	1	-	-	-	-	-	4	17	23	-	23
New Jersey.....	-	-	-	-	-	-	16	35	42	5	54
Pennsylvania.....	-	-	-	4	2	-	1	29	38	7	62
EAST NORTH CENTRAL...	3	-	-	4	2	-	10	128	100	7	130
Ohio.....	2	-	-	3	2	-	3	19	31	-	14
Indiana.....	-	-	-	-	-	-	-	5	12	2	10
Illinois.....	-	-	-	-	-	-	4	36	-	3	70
Michigan.....	1	-	-	1	-	-	3	63	45	2	35
Wisconsin.....	-	-	-	-	-	-	-	5	12	-	1
WEST NORTH CENTRAL...	-	2	-	-	2	1	1	46	87	2	86
Minnesota.....	-	-	-	-	-	-	1	9	13	-	7
Iowa*.....	-	2	-	-	-	1	-	7	5	-	7
Missouri.....	-	-	-	-	1	-	-	25	20	-	23
North Dakota.....	-	-	-	-	-	-	-	1	4	-	2
South Dakota.....	-	-	-	-	-	-	-	-	7	-	-
Nebraska.....	-	-	-	-	-	-	-	2	2	-	3
Kansas.....	-	-	-	-	1	-	-	2	36	2	44
SOUTH ATLANTIC.....	4	-	-	5	1	1	7	95	50	20	405
Delaware*.....	-	-	-	-	-	-	-	-	6	-	2
Maryland.....	2	-	-	-	-	-	1	16	11	-	11
Dist. of Columbia..	-	-	-	-	-	-	-	-	4	-	1
Virginia.....	-	-	-	-	1	-	1	6	5	-	15
West Virginia.....	-	-	-	-	-	-	-	6	1	-	-
North Carolina.....	-	-	-	1	-	-	-	12	5	10	185
South Carolina.....	-	-	-	1	-	-	-	8	1	9	39
Georgia.....	-	-	-	-	-	-	-	14	2	-	132
Florida.....	2	-	-	3	-	1	5	33	15	1	20
EAST SOUTH CENTRAL...	3	-	-	-	-	-	-	44	26	3	51
Kentucky.....	-	-	-	-	-	-	-	15	4	-	41
Tennessee.....	1	-	-	-	-	-	-	15	9	-	-
Alabama.....	2	-	-	-	-	-	-	4	6	2	8
Mississippi.....	-	-	-	-	-	-	-	10	7	1	2
WEST SOUTH CENTRAL...	7	-	1	1	5	1	3	58	89	-	35
Arkansas.....	-	-	-	-	-	-	-	-	8	-	5
Louisiana.....	-	-	-	1	5	-	2	15	16	-	27
Oklahoma.....	-	-	-	-	-	-	-	5	22	-	3
Texas.....	7	-	1	-	-	1	1	38	43	-	-
MOUNTAIN.....	1	-	-	-	-	1	2	38	49	1	92
Montana.....	1	-	-	-	-	1	-	3	3	-	-
Idaho.....	-	-	-	-	-	-	-	1	2	1	3
Wyoming.....	-	-	-	-	-	-	-	-	2	-	-
Colorado.....	-	-	-	-	-	-	2	11	29	-	79
New Mexico.....	-	-	-	-	-	-	-	6	4	-	4
Arizona.....	-	-	-	-	-	-	-	9	4	-	1
Utah.....	-	-	-	-	-	-	-	8	5	-	1
Nevada.....	-	-	-	-	-	-	-	-	-	-	4
PACIFIC.....	42	3	-	2	6	5	35	205	254	11	322
Washington.....	2	-	-	-	-	-	-	33	30	-	5
Oregon.....	-	-	-	-	-	-	4	7	16	-	6
California.....	10	3	-	2	3	5	31	165	202	10	248
Alaska.....	27	-	-	-	1	-	-	-	3	1	2
Hawaii*.....	1	-	-	-	2	-	-	-	3	-	61
Puerto Rico.....	-	-	-	-	-	-	-	20	50	-	1

\*Delayed reports: Aseptic meningitis: Hawaii 1  
Hepatitis, infections: Me. 2, Del. 1  
Malaria: Iowa 1

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

JUNE 28, 1969 AND JUNE 29, 1968 (26th WEEK) - CONTINUED

AREA	MEASLES (Rubeola)			MENINGOCOCCAL INFECTIONS, TOTAL			MUMPS	POLIOMYELITIS			RUBELLA	
	1969	Cumulative		1969	Cumulative			1969	Total	Paralytic		
		1969	1968		1969	1968				1969		Cum. 1969
UNITED STATES...	667	17,932	17,492	54	2,022	1,660	1,258	-	-	3	1,016	
NEW ENGLAND.....	55	915	1,048	3	70	87	249	-	-	1	123	
Maine*.....	-	5	35	-	6	6	5	-	-	-	13	
New Hampshire.....	-	226	141	-	2	7	2	-	-	-	3	
Vermont.....	-	2	1	-	-	1	3	-	-	-	1	
Massachusetts*.....	10	171	316	1	31	37	102	-	-	-	43	
Rhode Island.....	-	18	1	1	6	7	23	-	-	-	7	
Connecticut.....	45	493	554	1	25	29	114	-	-	1	56	
MIDDLE ATLANTIC.....	288	6,735	3,235	14	329	286	145	-	-	-	71	
New York City.....	144	4,520	1,484	8	67	61	127	-	-	-	32	
New York, Up-State.....	11	540	1,123	2	51	46	NN	-	-	-	20	
New Jersey.....	22	798	527	3	140	102	18	-	-	-	10	
Pennsylvania.....	111	877	101	1	71	77	NN	-	-	-	9	
EAST NORTH CENTRAL...	51	1,787	3,483	5	270	197	309	-	-	-	216	
Ohio.....	9	299	276	2	95	52	21	-	-	-	8	
Indiana*.....	-	451	608	-	34	26	32	-	-	-	23	
Illinois.....	22	363	1,295	-	39	43	38	-	-	-	25	
Michigan.....	10	190	233	3	85	59	93	-	-	-	107	
Wisconsin.....	10	484	1,071	-	17	17	125	-	-	-	53	
WEST NORTH CENTRAL...	4	478	353	3	106	86	42	-	-	-	18	
Minnesota.....	1	4	15	-	22	19	1	-	-	-	3	
Iowa.....	2	319	89	2	14	6	12	-	-	-	8	
Missouri.....	-	16	80	1	46	31	18	-	-	-	5	
North Dakota.....	-	7	122	-	-	3	3	-	-	-	2	
South Dakota.....	1	2	4	-	1	4	NN	-	-	-	-	
Nebraska.....	-	126	35	-	9	6	8	-	-	-	-	
Kansas.....	-	4	8	-	14	17	-	-	-	-	-	
SOUTH ATLANTIC.....	112	2,312	1,321	11	354	344	112	-	-	-	192	
Delaware*.....	27	360	13	-	4	6	5	-	-	-	3	
Maryland.....	21	61	79	1	33	24	9	-	-	-	5	
Dist. of Columbia..	-	-	6	-	9	13	-	-	-	-	2	
Virginia.....	6	844	283	3	44	27	26	-	-	-	76	
West Virginia.....	3	162	234	1	16	8	39	-	-	-	54	
North Carolina.....	40	285	279	1	59	68	NN	-	-	-	-	
South Carolina.....	3	109	12	2	51	55	-	-	-	-	-	
Georgia.....	-	1	4	1	60	60	-	-	-	-	-	
Florida.....	12	490	411	2	78	83	33	-	-	-	52	
EAST SOUTH CENTRAL...	2	98	447	2	127	144	53	-	-	-	43	
Kentucky.....	-	58	93	1	46	56	16	-	-	-	9	
Tennessee.....	-	16	54	-	46	48	35	-	-	-	28	
Alabama.....	2	3	74	1	20	20	1	-	-	-	1	
Mississippi.....	-	21	226	-	15	20	1	-	-	-	5	
WEST SOUTH CENTRAL...	93	4,019	4,399	4	278	274	101	-	-	2	90	
Arkansas*.....	-	16	2	-	28	15	-	-	-	-	-	
Louisiana.....	2	120	3	-	74	77	-	-	-	-	-	
Oklahoma.....	3	130	108	1	27	48	7	-	-	-	-	
Texas.....	88	3,753	4,286	3	149	134	94	-	-	2	90	
MOUNTAIN.....	38	669	901	-	36	25	77	-	-	-	35	
Montana.....	-	10	57	-	5	2	6	-	-	-	-	
Idaho.....	18	84	17	-	6	11	1	-	-	-	-	
Wyoming.....	-	-	49	-	-	-	-	-	-	-	1	
Colorado.....	1	115	469	-	6	7	4	-	-	-	16	
New Mexico.....	5	192	82	-	6	-	25	-	-	-	5	
Arizona.....	13	261	201	-	9	1	36	-	-	-	12	
Utah.....	1	6	21	-	2	1	5	-	-	-	1	
Nevada.....	-	1	5	-	2	3	-	-	-	-	-	
PACIFIC.....	24	919	2,305	12	452	217	170	-	-	-	228	
Washington.....	3	57	513	-	50	36	7	-	-	-	3	
Oregon.....	5	188	439	1	11	17	3	-	-	-	16	
California.....	14	643	1,317	10	370	152	132	-	-	-	152	
Alaska.....	-	8	2	-	11	1	12	-	-	-	16	
Hawaii*.....	2	23	34	1	10	11	16	-	-	-	41	
Puerto Rico.....	83	1,056	334	1	15	18	40	-	-	-	78	

\*Delayed reports: Measles: Mass. delete 6, Del. 14, Ark. delete 13

Meningococcal infections: Me. 1, Ind. Delete 1

Mumps: Del. 10, Hawaii 4

Rubella: Me. 2, Del. 5

## Morbidity and Mortality Weekly Report

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
FOR WEEKS ENDED  
JUNE 28, 1969 AND JUNE 29, 1968 (26th WEEK) - CONTINUED

AREA	STREPTOCOCCAL SORE THROAT & SCARLET FEVER	TETANUS		TULAREMIA		TYPHOID FEVER		TYPHUS FEVER TICK-BORNE (Rky. Mt. Spotted)		RABIES IN ANIMALS	
		1969	Cum. 1969	1969	Cum. 1969	1969	Cum. 1969	1969	Cum. 1969	1969	Cum. 1969
UNITED STATES...	4,889	6	63	3	79	5	136	24	161	71	1,892
NEW ENGLAND.....	956	-	-	-	14	2	5	-	-	-	7
Maine.*.....	8	-	-	-	-	-	1	-	-	-	4
New Hampshire.....	11	-	-	-	-	-	-	-	-	-	-
Vermont.....	18	-	-	-	14	-	-	-	-	-	1
Massachusetts.....	99	-	-	-	-	1	3	-	-	-	1
Rhode Island.....	60	-	-	-	-	1	1	-	-	-	-
Connecticut.....	760	-	-	-	-	-	-	-	-	-	1
MIDDLE ATLANTIC.....	372	-	10	1	3	-	13	4	17	6	66
New York City.....	22	-	5	-	1	-	6	-	-	-	-
New York, Up-State.....	290	-	2	1	2	-	4	-	5	6	63
New Jersey.....	NN	-	1	-	-	-	-	2	2	-	-
Pennsylvania.....	60	-	2	-	-	-	3	2	10	-	3
EAST NORTH CENTRAL...	383	1	8	-	7	-	13	-	-	7	125
Ohio.....	60	-	-	-	-	-	7	-	-	5	35
Indiana.....	105	-	-	-	1	-	-	-	-	2	38
Illinois.....	71	-	5	-	2	-	2	-	-	-	22
Michigan.....	91	1	3	-	-	-	4	-	-	-	3
Wisconsin.....	56	-	-	-	4	-	-	-	-	-	27
WEST NORTH CENTRAL...	184	1	4	-	7	-	4	-	2	24	347
Minnesota.....	1	-	-	-	-	-	1	-	-	4	84
Iowa.*.....	37	-	-	-	-	-	-	-	1	5	49
Missouri.....	23	1	1	-	4	-	2	-	-	3	101
North Dakota.....	65	-	-	-	-	-	-	-	-	4	45
South Dakota.....	10	-	-	-	-	-	-	-	1	-	13
Nebraska.....	42	-	-	-	-	-	1	-	-	-	10
Kansas.....	6	-	3	-	3	-	-	-	-	8	45
SOUTH ATLANTIC.....	618	3	13	-	18	2	24	16	86	10	522
Delaware.*.....	10	-	-	-	-	-	1	-	2	-	-
Maryland.....	125	-	-	-	-	-	4	4	24	-	-
Dist. of Columbia..	-	-	2	-	-	-	1	-	-	-	-
Virginia.....	143	-	-	-	2	-	-	5	24	3	267
West Virginia.....	109	-	1	-	2	-	1	1	4	3	82
North Carolina.....	11	1	2	-	5	-	4	6	27	-	4
South Carolina.....	2	-	1	-	2	-	1	-	3	-	-
Georgia.....	2	-	-	-	3	-	7	-	2	2	48
Florida.....	216	2	7	-	4	2	5	-	-	2	121
EAST SOUTH CENTRAL...	771	1	8	1	9	1	14	1	27	4	302
Kentucky.....	92	-	3	-	-	-	2	-	5	2	161
Tennessee.....	564	-	4	1	8	1	10	1	21	2	108
Alabama.....	42	1	1	-	-	-	-	-	1	-	33
Mississippi.....	73	-	-	-	1	-	2	-	-	-	-
WEST SOUTH CENTRAL...	469	-	13	-	12	-	17	1	17	10	253
Arkansas.....	4	-	-	-	1	-	8	-	4	-	18
Louisiana.....	-	-	5	-	2	-	-	-	-	-	16
Oklahoma.....	14	-	1	-	5	-	-	1	10	2	39
Texas.....	451	-	7	-	4	-	9	-	3	8	180
MOUNTAIN.....	839	-	1	1	9	-	20	1	8	7	88
Montana.....	24	-	-	1	1	-	-	-	-	-	-
Idaho.....	79	-	-	-	-	-	3	-	1	-	-
Wyoming.....	18	-	-	-	2	-	5	-	-	5	46
Colorado.....	435	-	1	-	-	-	2	1	7	-	3
New Mexico.....	128	-	-	-	1	-	5	-	-	-	8
Arizona.....	58	-	-	-	-	-	4	-	-	-	22
Utah.....	97	-	-	-	5	-	-	-	-	-	2
Nevada.....	-	-	-	-	-	-	1	-	-	2	7
PACIFIC.....	297	-	6	-	-	-	26	1	4	3	182
Washington.....	98	-	1	-	-	-	1	1	3	-	1
Oregon.....	70	-	-	-	-	-	6	-	-	-	-
California.....	---	-	5	-	-	-	19	-	1	3	181
Alaska.....	29	-	-	-	-	-	-	-	-	-	-
Hawaii*.....	100	-	-	-	-	-	-	-	-	-	-
Puerto Rico.....	2	-	3	-	-	-	3	-	-	1	17

\*Delayed reports: SST: Me. 4, Del. 22, Hawaii 33  
RMSF: Iowa 1, Del. 2

Week No.  
26

TABLE IV. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED JUNE 28, 1969

(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>	669	371	41	23	<b>SOUTH ATLANTIC:</b>	1,161	584	36	55
Boston, Mass.-----	218	110	14	7	Atlanta, Ga.-----	135	62	1	8
Bridgeport, Conn.-----	40	27	6	1	Baltimore, Md.-----	236	113	4	10
Cambridge, Mass.-----	21	16	6	1	Charlotte, N. C.-----	57	27	2	3
Fall River, Mass.-----	26	17	—	1	Jacksonville, Fla.-----	91	43	1	4
Hartford, Conn.-----	65	28	4	4	Miami, Fla.-----	96	48	—	2
Lowell, Mass.-----	27	16	2	—	Norfolk, Va.-----	61	28	3	4
Lynn, Mass.-----	19	12	—	—	Richmond, Va.-----	69	41	6	4
New Bedford, Mass.-----	34	22	1	—	Savannah, Ga.-----	47	28	4	2
New Haven, Conn.-----	43	28	2	2	St. Petersburg, Fla.-----	78	62	4	2
Providence, R. I.-----	45	22	1	1	Tampa, Fla.-----	85	44	9	6
Somerville, Mass.-----	10	8	1	—	Washington, D. C.-----	156	69	2	7
Springfield, Mass.-----	44	26	1	2	Wilmington, Del.-----	50	19	—	3
Waterbury, Conn.-----	32	17	1	2					
Worcester, Mass.-----	45	22	2	2	<b>EAST SOUTH CENTRAL:</b>	610	333	13	27
<b>MIDDLE ATLANTIC:</b>	3,093	1,785	109	135	Birmingham, Ala.-----	119	63	1	4
Albany, N. Y.-----	37	17	1	—	Chattanooga, Tenn.-----	45	18	1	3
Allentown, Pa.-----	32	22	2	2	Knoxville, Tenn.-----	42	27	1	1
Buffalo, N. Y.-----	145	90	3	6	Louisville, Ky.-----	86	55	5	1
Camden, N. J.-----	34	15	3	2	Memphis, Tenn.-----	145	77	1	10
Elizabeth, N. J.-----	29	16	3	1	Mobile, Ala.-----	49	29	—	2
Erie, Pa.-----	31	20	3	—	Montgomery, Ala.-----	45	24	3	2
Jersey City, N. J.-----	64	37	4	4	Nashville, Tenn.-----	79	40	1	4
Newark, N. J.-----	70	27	2	—	<b>WEST SOUTH CENTRAL:</b>	1,179	590	36	82
New York City, N. Y.-----	1,581	903	53	79	Austin, Tex.-----	45	27	5	1
Paterson, N. J.-----	41	27	1	1	Baton Rouge, La.-----	25	18	2	—
Philadelphia, Pa.-----	503	270	10	20	Corpus Christi, Tex.-----	29	11	2	3
Pittsburgh, Pa.-----	170	92	7	9	Dallas, Tex.-----	162	81	5	14
Reading, Pa.-----	47	37	5	3	El Paso, Tex.-----	53	20	1	10
Rochester, N. Y.-----	91	56	—	5	Fort Worth, Tex.-----	75	43	3	4
Schenectady, N. Y.-----	23	14	—	1	Houston, Tex.-----	227	97	2	16
Scranton, Pa.-----	29	23	—	—	Little Rock, Ark.-----	51	26	3	3
Syracuse, N. Y.-----	63	42	2	1	New Orleans, La.-----	184	96	—	15
Trenton, N. J.-----	44	34	6	1	Oklahoma City, Okla.-----	88	43	2	8
Utica, N. Y.-----	27	17	4	—	San Antonio, Tex.-----	132	62	3	6
Yonkers, N. Y.-----	32	26	—	—	Shreveport, La.-----	47	33	6	1
<b>EAST NORTH CENTRAL:</b>	2,616	1,487	70	111	Tulsa, Okla.-----	61	33	2	1
Akron, Ohio-----	61	41	—	3	<b>MOUNTAIN:</b>	435	249	19	33
Canton, Ohio-----	45	32	—	29	Albuquerque, N. Mex.-----	38	21	2	3
Chicago, Ill.-----	716	385	24	29	Colorado Springs, Colo.-----	29	19	3	4
Cincinnati, Ohio-----	150	93	2	7	Denver, Colo.-----	110	74	3	6
Cleveland, Ohio-----	233	115	4	16	Ogden, Utah-----	20	8	2	3
Columbus, Ohio-----	134	69	1	7	Phoenix, Ariz.-----	90	44	2	11
Dayton, Ohio-----	86	52	1	4	Pueblo, Colo.-----	40	19	1	2
Detroit, Mich.-----	353	188	9	9	Salt Lake City, Utah-----	54	32	2	3
Evansville, Ind.-----	45	27	3	1	Tucson, Ariz.-----	54	32	3	2
Flint, Mich.-----	68	38	3	3	<b>PACIFIC:</b>	1,461	887	47	55
Fort Wayne, Ind.-----	45	28	1	3	Berkeley, Calif.-----	30	21	2	—
Gary, Ind.-----	29	20	2	1	Fresno, Calif.-----	47	22	1	2
Grand Rapids, Mich.-----	41	28	4	1	Glendale, Calif.-----	20	17	2	—
Indianapolis, Ind.-----	155	93	1	5	Honolulu, Hawaii-----	39	21	1	4
Madison, Wis.-----	33	16	3	1	Long Beach, Calif.-----	81	50	3	2
Milwaukee, Wis.-----	144	95	2	4	Los Angeles, Calif.-----	457	285	9	16
Peoria, Ill.-----	37	19	—	5	Oakland, Calif.-----	57	35	2	—
Rockford, Ill.-----	39	26	6	3	Pasadena, Calif.-----	36	27	1	1
South Bend, Ind.-----	47	25	3	1	Portland, Oreg.-----	156	103	8	4
Toledo, Ohio-----	90	58	1	5	Sacramento, Calif.-----	48	26	1	2
Youngstown, Ohio-----	65	39	—	2	San Diego, Calif.-----	98	51	3	4
<b>WEST NORTH CENTRAL:</b>	803	488	39	42	San Francisco, Calif.-----	149	80	1	6
Des Moines, Iowa-----	66	39	4	5	San Jose, Calif.-----	36	21	6	3
Duluth, Minn.-----	14	11	1	—	Seattle, Wash.-----	142	90	6	7
Kansas City, Kans*-----	39	21	4	4	Spokane, Wash.-----	26	16	—	2
Kansas City, Mo.-----	114	62	2	7	Tacoma, Wash.-----	39	22	1	2
Lincoln, Nebr.-----	35	25	4	3					
Minneapolis, Minn.-----	109	66	6	6	<b>Total</b>	<b>12,027</b>	<b>6,774</b>	<b>410</b>	<b>563</b>
Omaha, Nebr.-----	66	34	2	2	Cumulative Totals including reported corrections for previous weeks				
St. Louis, Mo.-----	226	139	7	9	All Causes, All Ages-----				350,339
St. Paul, Minn.-----	71	50	—	5	All Causes, Age 65 and over-----				201,984
Wichita, Kans.-----	63	41	9	1	Pneumonia and Influenza, All Ages-----				18,122
					All Causes, Under 1 Year of Age-----				15,943

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

### INTERNATIONAL NOTES QUARANTINE MEASURES

*Additional Immunization Information for International  
Travel - 1967-68 edition - Public Health Service  
Publication No. 384*

The following information should be added to the list of  
Yellow Fever Vaccination Centers in Section 6:

<b>City and State Center</b>	Oakland, California Thomas Reich, M.D. Physician's Office 411 30th Street Telephone 451-8600
<b>Clinic Hours</b>	Tuesday and Thursday 3:00-4:00
<b>Fee</b>	No
<b>City and State Center</b>	Stillwater, Oklahoma Student Hospital and Clinic North Monroe Street Telephone FR2-6211, Extension 522
<b>Clinic Hours</b>	Second Friday, each month
<b>Fee</b>	No
<b>City and State Center</b>	Edinburg, Texas Edinburg Medical Center 1200 South 10th Telephone DU3-2761
<b>Clinic Hours</b>	Monday-Friday 9:00-5:00 Saturday 9:00-12:00
<b>Fee</b>	No
<b>City and State Center</b>	Rochester, Minnesota Olmsted County Health Department 415 Fourth Street, S.E. Telephone 282-3861
<b>Clinic Hours</b>	Monday-Friday 8:00-4:00
<b>Fee</b>	No
<b>City and State Center</b>	Los Angeles, California Los Angeles Overseas Medical Center 1136 West Sixth Street Telephone 482-8383
<b>Clinic Hours</b>	Tuesday and Thursday 2:00 Saturday 10:00
<b>Fee</b>	Yes

The following change has been made for the San Bernardino Health Department, 351 Mount View Avenue, San Bernardino, California 92401: Tuesday, 10:00, by appointment; fee charged \$5.00.

Freeport Medical and Surgical Clinic has changed its address from 304 West Broad, Freeport, Texas, to 21 Hospital Road, Suite 109-B, Freeport, Texas 77541.

THE MORBIDITY AND MORTALITY WEEKLY REPORT, WITH A CIRCULATION OF 18,500 IS PUBLISHED AT THE NATIONAL COMMUNICABLE DISEASE CENTER, ATLANTA, GEORGIA.

DIRECTOR, NATIONAL COMMUNICABLE DISEASE CENTER  
DAVID J. SENCER, M.D.  
CHIEF, EPIDEMIOLOGY PROGRAM  
A. D. LANGMUIR, M.D.

EDITOR  
MANAGING EDITOR  
MICHAEL B. GREGG, M.D.  
PRISCILLA B. HOLMAN

IN ADDITION TO THE ESTABLISHED PROCEDURES FOR REPORTING MORBIDITY AND MORTALITY, THE NATIONAL COMMUNICABLE DISEASE CENTER WELCOMES ACCOUNTS OF INTERESTING OUTBREAKS OR CASE INVESTIGATIONS WHICH ARE OF CURRENT INTEREST TO HEALTH OFFICIALS AND WHICH ARE DIRECTLY RELATED TO THE CONTROL OF COMMUNICABLE DISEASES. SUCH COMMUNICATIONS SHOULD BE ADDRESSED TO:

NATIONAL COMMUNICABLE DISEASE CENTER  
ATTN: THE EDITOR  
MORBIDITY AND MORTALITY WEEKLY REPORT  
ATLANTA, GEORGIA 30333

NOTE: THE DATA IN THIS REPORT ARE PROVISIONAL AND ARE BASED ON WEEKLY TELEGRAMS TO THE NCDC BY THE INDIVIDUAL 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.

U. S. DEPARTMENT OF  
HEALTH, EDUCATION, AND WELFARE  
PUBLIC HEALTH SERVICE  
HEALTH SERVICES AND MENTAL HEALTH ADMINISTRATION  
NATIONAL  
COMMUNICABLE DISEASE CENTER  
ATLANTA, GEORGIA 30333  
OFFICIAL BUSINESS

POSTAGE AND FEES PAID  
U. S. DEPARTMENT OF H. E. W.