



# Morbidity and Mortality

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**EPIDEMIOLOGIC NOTES AND REPORTS**  
**BUBONIC PLAGUE - California**

California's second case of bubonic plague this year (also its second case since 1965) was reported from Plumas County in a 45-year-old lumberman. His symptoms began suddenly on July 7 and included high fever, shaking chills, severe myalgia, malaise, irritability, and painful right femoral adenopathy. Cultures of node aspirate were positive for *Yersinia (Pasteurella) pestis*. The patient was hospitalized on July 9 and is recovering on tetracycline therapy.

As in the previous case (MMWR, Vol. 19, No. 23), the illness was probably contracted in the northeast sector of California within a 50 mile radius of Mount Lassen. This patient also had visited Burney Falls State Park (Shasta County) but had other possible exposure while camping in Siskiyou and at his home in a wooded area of Plumas County. Investigation is in progress to define a focus (foci) of rodent plague in these areas.

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*(Reported by Craig Burns, M.D., Attending Physician; Steven Christenson, M.D., Plumas County Health Department; Richard Peters, Bureau of Vector Control and Solid Waste Management, Genevieve Nygaard, Associate Microbiologist, and Ronald Wood, Ph.D., Chief, Microbial Diseases Laboratory, and S. B. Werner, M.D., Medical Epidemiologist, Bureau of Communicable Disease Control, California State Department of Public Health.)*

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

DISEASE	27th WEEK ENDED		MEDIAN 1965 - 1969	CUMULATIVE, FIRST 27 WEEKS		
	July 11, 1970	July 5, 1969		1970	1969	MEDIAN 1965 - 1969
Aseptic meningitis . . . . .	106	50	41	1,041	826	826
Brucellosis . . . . .	7	12	7	112	108	112
Diphtheria . . . . .	2	6	3	188	76	84
Encephalitis, primary:						
Arthropod-borne & unspecified . . . . .	29	11	31	568	500	689
Encephalitis, post-infectious . . . . .	12	5	14	253	168	425
Hepatitis, serum . . . . .	120	79	593	3,700	2,683	21,398
Hepatitis, infectious . . . . .	969	676	43	28,798	24,294	1,037
Malaria . . . . .	46	55	530	1,803	1,371	55,157
Measles (rubeola) . . . . .	676	476	32	36,845	18,404	2,002
Meningococcal infections, total . . . . .	27	37	32	1,565	2,054	1,833
Civilian . . . . .	26	35	32	1,410	1,861	1,693
Military . . . . .	1	2	2	155	193	169
Mumps . . . . .	1,390	898	---	69,185	61,964	---
Poliomyelitis, total . . . . .	2	---	---	9	4	24
Paralytic . . . . .	2	---	---	9	4	20
Rubella (German measles) . . . . .	477	668	---	46,732	45,277	---
Tetanus . . . . .	3	3	4	55	68	75
Tularemia . . . . .	7	1	5	56	78	82
Typhoid fever . . . . .	7	7	7	129	143	163
Typhus, tick-borne (Rky. Mt. spotted fever) . . . . .	15	18	12	138	179	99
Rabies in animals . . . . .	49	53	59	1,617	1,955	2,315

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

	Cum.		Cum.
Anthrax: . . . . .	1	Psittacosis: Ga.-1, Ohio-1 . . . . .	17
Botulism: . . . . .	5	Rabies in Man: . . . . .	---
Leprosy: Calif.-4, Pa.-1 . . . . .	65	Rubella congenital syndrome: . . . . .	38
Leptospirosis: Calif.-1, Hawaii-1 . . . . .	17	Trichinosis: * Calif.-1 . . . . .	58
Plague: Calif.-1, N. Mex.-1 . . . . .	5	Typhus, murine: Tex.-2 . . . . .	17

\*Delayed Reports: Trichinosis: Calif. 1

## TICK PARALYSIS – Youngstown, Ohio

On the morning of May 17, 1970, when she awoke, a 3-year-old girl in Youngstown, Ohio, felt dizzy and was unable to sit or stand. Within 5 hours she was brought to the emergency room of a hospital and was examined by a neurologist. She was found to have nystagmus, mild generalized weakness, and an injected left tympanic membrane. Deep tendon reflexes were intact. The initial impression was labyrinthitis. The admission BUN, blood sugar, complete blood count, and urinalysis were normal.

About 6 1/2 hours after admission, her condition deteriorated rapidly. Although her vital signs remained normal, she developed symmetrical ascending flaccid paralysis. She could no longer move her arms and legs, although weak movements of the hands and feet remained. Movements of the head were intact, but there was marked weakness of facial and masticator muscles. There was no intercostal paralysis; her cough was weak. She was unable to sit unsupported, and deep tendon and abdominal reflexes were absent. A spotty macular rash was present on the face and buttocks. Lumbar puncture revealed clear fluid under normal pressure, with no cells, protein 42 mg percent, sugar 47 mg percent, negative smear, and culture.

About 8 hours after admission, a large gravid tick was discovered in her scalp and was promptly removed by application of heat and the use of forceps. The girl subsequently made a rapid recovery; 18 hours after admission, she was

still weak, but could move all extremities well. Deep tendon reflexes had returned, she swallowed adequately, and eye movements were well coordinated. At 42 hours, she had completely recovered, was walking about, and had no evidence of weakness.

A history of prolonged play in a wild open field on the day before admission was obtained.  
(Reported by Kurt J. Wegner, M.D., Director of Pediatrics, St. Elizabeth Hospital, Youngstown; Walter Greissinger, M.D., Health Commissioner, Youngstown Department of Health; John H. Ackerman, M.D., Chief, Bureau of Preventive Medicine, Ohio Department of Health.)

**Editorial Comment:**

Tick-bite paralysis is an optionally reported disease to the CDC. From 1960 to 1968, it was reported by two states: Oregon, 1 case each in 1966, 1967, and 1968 and Washington, 1 case in 1968. It is known to occur uncommonly, but worldwide, affecting both man and animals, giving rise to a flaccid ascending major paralysis. The patient usually recovers promptly when the tick is removed. In northwestern United States, the tick, *Dermacentor andersoni*, is most frequently involved; other ticks are involved in the East and South, mainly in spring and early summer (1).

**Reference**

(1) Benenson AS (ed): Control of Communicable Diseases in Man. 11th ed. New York, American Public Health Association, 1970

## MEASLES OUTBREAKS – Oregon

Two outbreaks of measles were recently reported from Oregon. One occurred in Medford (Jackson County) and the other in the area of Salem (Marion and Polk Counties).

**Medford Outbreak:** The outbreak in Medford with eight cases occurred in late April 1970. Only one case had occurred in this area since May 1969. The index patient was an 8-year-old second grader who had been in Oakland, California, 2 weeks prior to the onset of his illness. The second patient was a close school playmate and classmate and the third attended several classes with the index patient. The other five cases were in siblings of patients 2 and 3. Six of the patients attended Jefferson School, the seventh attended Washington School, and one was a preschooler.

With the occurrence of cases 2 and 3, school health cards for pupils at Jefferson School and another school were reviewed for a history of measles or measles immunization and revealed immunization levels of 45 and 42 percent, respectively. An immunization program was then held at Jefferson School, other Medford schools, and other County schools. A total of 3,289 school children and 377 preschoolers were given measles vaccine at the school clinics, and 293 vaccinations were given at the health department during this period. This raised the immunization level at Jefferson School to 88 percent and for the community to 85 percent.

**Salem Outbreak:** The outbreak in Salem with 43 cases began in May. These were the first cases in the area in more than a year. These cases were reported from two foci – St.

Joseph's parochial elementary school attended by students from all over the area and Hayesville Elementary School in another area of the city. At St. Joseph's the original cases were in five children in five different classrooms; all five had onset in the first week of May. The first case at Hayesville occurred in a fourth grade boy who had no contact with patients at St. Joseph's. At this school, cases were all contacts of the fourth grade index patient and were in 12 different classrooms. None of the patients at either school had been outside the area in the 3-4 weeks prior to illness.

The Salem schools were to close for the summer within a week of the time the investigation was begun, but many of the children would be involved in harvesting strawberries immediately after close of school. Consequently, a school based immunized program was held between May 22 and 28 which involved 48 schools. A total of 1,719 school children and 541 preschoolers were immunized. Since this program, several cases have been reported in unimmunized children. Surveillance and investigation of all cases is continuing.

(Reported by Monroe Holmes, D.V.M., Public Health Veterinarian, Epidemiology Section, Oregon State Board of Health; Erin Merkel, M.D., Health Officer, and Robert Atwood, M.D., Assistant Health Officer, Jackson County; Elizabeth Love, Supervisor, Medford District School Nurses; Peter Batten, M.D., Health Officer, and John Chu, M.D., Marion County Health Department; E. B. Bossatti, M.D., Health Officer, Polk County; and an EIS Officer.)

INTERNATIONAL NOTES  
SMALLPOX - Worldwide

From Jan. 1 through June 23, 1970, 16,604 cases of smallpox were reported to the World Health Organization (1). This represents a decrease of 10.6 percent from the 18,574 cases reported to the organization at this same time last year. The improvement during the past 12 months in reporting and surveillance programs, particularly in Afghanistan, Indonesia, most countries in Africa, and some of the states in Brazil, has tended to minimize the apparent effect of the worldwide eradication programs. Based on a composite analysis of smallpox trends in the separate countries during recent months, the WHO has estimated the eventual number of cases during 1970 to be no more than 35,000 to 40,000 cases. This will represent a decline of 25 to 35 percent of the number recorded during 1969. Smallpox incidence rates per 100,000 population for the regions in the world which were endemic in 1965 are presented in Figure 1. A downward trend was observed in all of the four endemic areas, with the most dramatic decline in West and Central Africa.

The number of countries recording at least one case of smallpox has also declined. During 1967 a total of 43 countries recorded at least one case; in 1968 this number was reduced to 38 countries, and in 1969 a further reduction to 29 countries was observed. During 1970 18 countries have reported smallpox. In four of these, Federal Republic of Germany, Saudi Arabia, Uganda, and Zambia, cases of smallpox could be attributed entirely to importations from endemic areas.

**West and Central Africa**

After 3 years of an intensive eradication program, this region of 20 countries has almost entirely interrupted the transmission of smallpox. The program to date has given approximately 114,000,000 vaccinations. To date in 1970 only one country, Nigeria, has reported any smallpox. The outbreak in Nigeria has been traced back to December 1969 and is believed to be directly related to a known outbreak in early 1969 (MMWR, Vol. 19, No. 22).

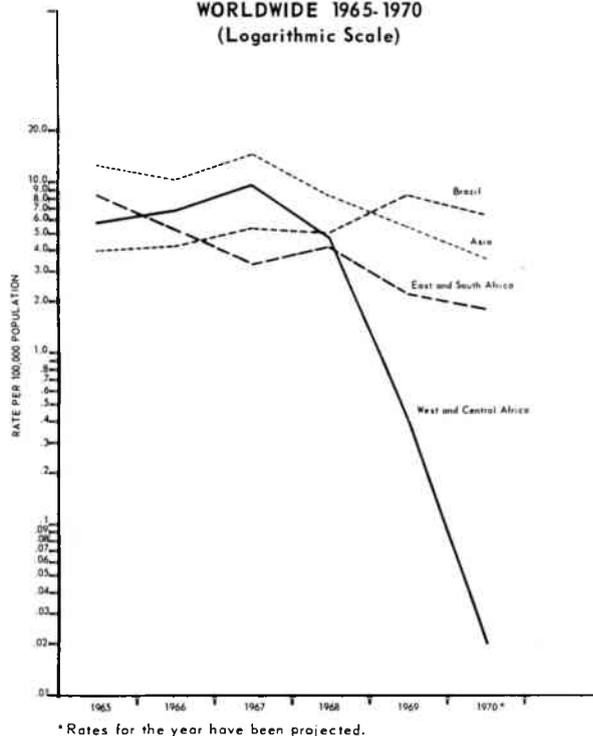
**East and South Africa**

During 1969 reported cases of smallpox in this area declined by 42 percent from the total in 1968. In 1970 smallpox cases have appeared in nine countries (Uganda and Zambia having experienced importations) and appears to be confined to three geographic areas in East and South Africa: (1) Democratic Republic of Congo-Rwanda-Burundi; (2) Ethiopia-Sudan; and (3) South Africa. Intensive smallpox vaccination programs are being carried out in all areas with the exception of South Africa for which little information is available regarding the extent of smallpox control activities.

**South America**

Since 1967 all reported smallpox cases in this area have occurred in Brazil or as a result of importation from Brazil. The smallpox eradication program began in 1967 in Brazil, the only endemic country in the Americas. Approximately 62,000,000 vaccinations have been given with

Figure 1  
SMALLPOX INCIDENCE RATES (PER 100,000 POPULATION)  
FROM THE REGIONS WHICH WERE ENDEMIC IN 1965  
WORLDWIDE 1965-1970  
(Logarithmic Scale)



campaigns completed in 14 of the 27 states and in progress in five other states (2).

Smallpox incidence increased very sharply during 1969 in Brazil with a total of 7,391 cases reported, the highest incidence since 1962. This increase in cases began in July 1969 and coincided with the development of a more efficient surveillance program. For example, in one state an average of 40 cases was discovered as a result of epidemic investigations for each case reported.

**Asia**

Smallpox incidence in Asia has shown a steady and continuous decline since the beginning of the eradication program. This decline is primarily accounted for by the decrease in reported cases in India. In other Asian countries (Afghanistan, Indonesia, Nepal, and Pakistan), eradication programs have been initiated during the past 2 years and have been steadily intensified. Each of these programs has substantially increased their surveillance network, and field investigations have found that for each reported case an additional 2 to 10 cases have occurred.

(Reported by the Smallpox Eradication Program, Center for Disease Control.)

**References**

- (1) World Health Organization Weekly Epidemiological Record 45(19):209-220 and 45(26):278, 1970
- (2) Weekly Smallpox Bulletin of the Smallpox Eradication Campaign, Ministry of Health, Brazil 4(20), 1970

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TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED  
JULY 11, 1970 AND JULY 5, 1969 (27th WEEK)

AREA	ASEPTIC MENIN- GITIS	BRUCEL- LOSIS	DIPH- THERIA	ENCEPHALITIS			HEPATITIS			MALARIA	
				Primary including unsp. cases		Post In- fectious	Serum	Infectious		1970	Cum. 1970
				1970	1969	1970	1970	1970	1969		
UNITED STATES.....	106	7	2	29	11	12	120	969	676	46	1,803
NEW ENGLAND.....	-	-	-	1	-	-	9	63	46	-	50
Maine.....	-	-	-	-	-	-	-	6	4	-	5
New Hampshire.....	-	-	-	-	-	-	-	-	5	-	1
Vermont.....	-	-	-	-	-	-	-	7	1	-	3
Massachusetts.....	-	-	-	-	-	-	5	24	23	-	27
Rhode Island.....	-	-	-	1	-	-	-	7	5	-	6
Connecticut.....	-	-	-	-	-	-	4	19	8	-	8
MIDDLE ATLANTIC.....	6	-	-	3	1	-	46	113	111	4	207
New York City.....	-	-	-	-	-	-	32	40	16	-	26
New York, Up-State...	5	-	-	2	-	-	6	23	16	4	62
New Jersey.....*	-	-	-	-	1	-	8	31	33	-	50
Pennsylvania.....	1	-	-	1	-	-	-	19	46	-	69
EAST NORTH CENTRAL.....	7	1	-	13	3	4	21	130	103	5	98
Ohio.....	-	1	-	4	1	3	6	42	21	-	21
Indiana.....*	1	-	-	2	-	-	-	9	3	1	9
Illinois.....	5	-	-	1	1	-	2	27	21	3	27
Michigan.....	-	-	-	6	1	1	13	49	51	1	41
Wisconsin.....	1	-	-	-	-	-	-	3	7	-	-
WEST NORTH CENTRAL.....	4	3	-	-	1	-	2	55	35	5	135
Minnesota.....*	2	-	-	-	1	-	-	4	9	-	10
Iowa.....	-	3	-	-	-	-	-	3	6	-	9
Missouri.....	-	-	-	-	-	-	-	38	17	-	17
North Dakota.....	-	-	-	-	-	-	-	-	1	-	1
South Dakota.....	-	-	-	-	-	-	-	1	-	-	2
Nebraska.....	2	-	-	-	-	-	-	2	1	-	2
Kansas.....	-	-	-	-	-	-	2	7	1	5	94
SOUTH ATLANTIC.....	39	-	-	5	1	6	7	187	68	8	344
Delaware.....	-	-	-	-	-	-	-	2	-	-	1
Maryland.....	4	-	-	-	-	-	-	13	7	-	32
Dist. of Columbia....	-	-	-	-	-	-	1	2	2	-	2
Virginia.....	1	-	-	-	-	-	-	72	6	-	40
West Virginia.....	-	-	-	-	-	-	-	14	4	1	4
North Carolina.....*	2	-	-	2	-	-	-	18	12	6	144
South Carolina.....	2	-	-	-	-	-	-	5	2	1	30
Georgia.....	11	-	-	-	-	-	-	14	5	-	59
Florida.....	19	-	-	3	1	6	6	47	30	-	32
EAST SOUTH CENTRAL.....	7	-	-	2	1	1	-	52	32	-	131
Kentucky.....	2	-	-	-	-	-	-	23	7	-	110
Tennessee.....	1	-	-	2	-	1	-	21	16	-	-
Alabama.....	3	-	-	-	-	-	-	5	2	-	12
Mississippi.....	1	-	-	-	1	-	-	3	7	-	9
WEST SOUTH CENTRAL.....	24	1	1	2	-	-	2	92	45	12	341
Arkansas.....	-	-	-	-	-	-	-	10	2	1	6
Louisiana.....	8	-	-	-	-	-	1	13	7	-	22
Oklahoma.....*	6	-	1	2	-	-	-	3	2	3	50
Texas.....	10	1	-	-	-	-	1	66	34	8	263
MOUNTAIN.....	1	-	1	-	1	-	-	77	26	1	145
Montana.....	-	-	-	-	-	-	-	-	-	1	5
Idaho.....	-	-	-	-	-	-	-	-	-	-	3
Wyoming.....	-	-	-	-	-	-	-	2	1	-	-
Colorado.....	1	-	-	-	-	-	-	35	5	-	126
New Mexico.....	-	-	-	-	1	-	-	2	4	-	4
Arizona.....	-	-	1	-	-	-	-	12	11	-	5
Utah.....	-	-	-	-	-	-	-	10	5	-	2
Nevada.....	-	-	-	-	-	-	-	16	-	-	-
PACIFIC.....	18	2	-	3	3	1	33	200	210	11	352
Washington.....	-	-	-	-	-	-	-	13	6	3	28
Oregon.....	-	-	-	-	-	-	3	11	11	-	14
California.....	17	2	-	3	3	1	30	172	190	8	229
Alaska.....	-	-	-	-	-	-	-	-	1	-	-
Hawaii.....	1	-	-	-	-	-	-	4	2	-	81
Puerto Rico.....*	-	-	-	-	-	-	9	41	28	6	7
Virgin Islands.....	-	-	-	-	-	-	-	-	-	-	-

\* Delayed Reports: Encephalitis, Post Infectious: Minn. 1  
Hepatitis, Infectious: N.J. delete 3, Ind. delete 1, P.R. 3  
Hepatitis, Serum: N.J. delete 2, P.R. 1  
Malaria: Minn. 9, N.C. delete 1, Okla. 1

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

JULY 11, 1970 AND JULY 5, 1969 (27th WEEK) - CONTINUED

AREA	MEASLES (Rubeola)			MENINGOCOCCAL INFECTIONS, TOTAL			MUMPS		POLIOMYELITIS		
	1970	Cumulative		1970	Cumulative		1970	Cum. 1970	Total 1970	Paralytic	
		1970	1969		1970	1969				1970	Cum. 1970
UNITED STATES.....	676	36,845	18,404	27	1,565	2,054	1,390	69,185	2	2	9
NEW ENGLAND.....	24	819	947	1	70	70	138	8,408	-	-	-
Maine.*.....	4	186	5	-	3	6	5	652	-	-	-
New Hampshire.....	1	49	236	-	5	2	-	313	-	-	-
Vermont.....	2	7	2	-	6	-	2	569	-	-	-
Massachusetts.*.....	11	411	163	1	31	31	40	2,633	-	-	-
Rhode Island.....	1	90	22	-	5	6	71	1,360	-	-	-
Connecticut.....	5	76	519	-	20	25	20	2,881	-	-	-
MIDDLE ATLANTIC.....	130	4,450	6,933	5	275	330	118	6,908	-	-	-
New York City.....	14	777	4,625	2	69	67	78	2,375	-	-	-
New York, Up-State...	2	207	551	-	52	51	NN	NN	-	-	-
New Jersey.....	6	1,626	817	-	104	140	10	1,951	-	-	-
Pennsylvania.....	108	1,840	940	3	50	72	30	2,582	-	-	-
EAST NORTH CENTRAL.....	165	9,041	1,890	4	185	275	516	18,360	-	-	-
Ohio.....	63	3,599	337	2	75	97	235	3,261	-	-	-
Indiana.....	7	248	453	-	18	34	24	1,648	-	-	-
Illinois.....	23	2,960	399	2	40	39	21	1,619	-	-	-
Michigan.....	44	1,432	207	-	45	88	114	4,621	-	-	-
Wisconsin.....	28	802	494	-	7	17	122	7,211	-	-	-
WEST NORTH CENTRAL.....	11	3,669	481	1	78	109	35	3,615	-	-	1
Minnesota.*.....	-	36	5	-	12	24	-	335	-	-	-
Iowa.....	3	1,011	320	-	11	15	13	2,252	-	-	-
Missouri.....	2	1,225	16	-	46	46	-	234	-	-	1
North Dakota.....	-	311	7	-	3	-	3	253	-	-	-
South Dakota.....	6	91	3	-	-	1	14	36	-	-	-
Nebraska.....	-	923	126	-	3	9	5	369	-	-	-
Kansas.....	-	72	4	1	3	14	-	136	-	-	-
SOUTH ATLANTIC.....	65	6,800	2,333	3	327	362	201	7,662	-	-	1
Delaware.....	2	255	362	-	3	4	13	253	-	-	-
Maryland.....	10	1,343	63	-	33	33	17	795	-	-	-
Dist. of Columbia...	1	342	-	-	1	8	3	174	-	-	-
Virginia.....	21	1,900	853	-	31	46	62	1,788	-	-	-
West Virginia.*.....	3	278	162	1	7	17	41	1,869	-	-	1
North Carolina.....	15	792	291	1	66	63	NN	NN	-	-	-
South Carolina.....	6	519	107	1	42	51	6	729	-	-	-
Georgia.....	-	12	1	-	30	61	-	-	-	-	-
Florida.....	7	1,359	494	-	114	79	59	2,054	-	-	-
EAST SOUTH CENTRAL.....	68	1,130	100	2	121	130	62	3,952	-	-	-
Kentucky.....	60	615	59	1	42	46	17	1,423	-	-	-
Tennessee.....	7	344	17	1	51	49	37	2,260	-	-	-
Alabama.....	-	83	3	-	21	20	6	227	-	-	-
Mississippi.....	1	88	21	-	7	15	2	42	-	-	-
WEST SOUTH CENTRAL.....	108	7,191	4,079	4	216	280	99	6,676	2	2	7
Arkansas.....	-	29	16	-	17	28	2	111	-	-	-
Louisiana.....	-	87	120	-	55	74	2	23	-	-	-
Oklahoma.....	17	425	130	1	18	28	3	2,377	-	-	-
Texas.....	91	6,650	3,813	3	126	150	92	4,165	2	2	7
MOUNTAIN.....	27	1,402	703	-	27	36	87	3,079	-	-	-
Montana.....	-	31	15	-	1	5	24	615	-	-	-
Idaho.....	-	31	84	-	5	6	-	83	-	-	-
Wyoming.....	-	10	-	-	1	-	-	30	-	-	-
Colorado.....	6	160	115	-	7	6	31	1,008	-	-	-
New Mexico.....	10	171	212	-	-	6	11	597	-	-	-
Arizona.....	11	946	270	-	11	9	21	626	-	-	-
Utah.....	-	32	6	-	2	2	-	120	-	-	-
Nevada.....	-	21	1	-	-	2	-	-	-	-	-
PACIFIC.....	78	2,343	938	7	266	462	134	10,525	-	-	-
Washington.....	38	494	57	1	37	50	26	4,082	-	-	-
Oregon.....	16	210	190	1	20	11	15	906	-	-	-
California.....	18	1,345	660	5	208	380	53	4,263	-	-	-
Alaska.....	-	132	8	-	-	11	1	367	-	-	-
Hawaii.....	6	162	23	-	1	10	39	907	-	-	-
Puerto Rico.....	5	841	1,106	1	4	15	10	651	-	-	-
Virgin Islands.....	-	6	36	-	1	-	-	1	-	-	-

\*Delayed Reports: Measles: Maine delete 1, Mass. delete 9  
Meningococcal Infections: Minn. 1  
Poliomyelitis: West Va. delete 1 unsp., Paralytic 1

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TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
FOR WEEKS ENDED  
JULY 11, 1970 AND JULY 5, 1969 (27th WEEK) - CONTINUED

AREA	RUBELLA		TETANUS		TULAREMIA		TYPHOID FEVER		TYPHUS FEVER TICK-BORNE (Rky. Mt. Spotted)		RABIES IN ANIMALS	
	1970	Cum. 1970	1970	Cum. 1970	1970	Cum. 1970	1970	Cum. 1970	1970	Cum. 1970	1970	Cum. 1970
UNITED STATES.....	477	46,732	3	55	7	56	7	129	15	138	49	1,617
NEW ENGLAND.....	38	2,249	-	3	-	-	-	5	-	-	2	58
Maine.....	11	374	-	-	-	-	-	-	-	-	2	1E
New Hampshire.....	-	150	-	-	-	-	-	-	-	-	-	38
Vermont.....	-	49	-	-	-	-	-	-	-	-	-	-
Massachusetts.....	23	1,068	-	2	-	-	-	3	-	-	-	-
Rhode Island.....	1	75	-	-	-	-	-	-	-	-	-	1
Connecticut.....	3	533	-	1	-	-	-	2	-	-	-	1
MIDDLE ATLANTIC.....	16	3,753	-	5	-	1	1	29	-	6	6	159
New York City.....	6	521	-	2	-	-	-	9	-	-	-	-
New York, Up-State..	4	375	-	-	-	1	-	8	-	3	4	149
New Jersey.....	-	808	-	2	-	-	1	5	-	1	-	-
Pennsylvania.....	6	2,049	-	1	-	-	-	7	-	2	2	10
EAST NORTH CENTRAL....	127	9,672	1	9	-	17	2	17	-	-	4	124
Ohio.....	37	1,958	1	1	-	2	-	5	-	-	-	35
Indiana.....	22	1,719	-	1	-	13	-	1	-	-	2	8
Illinois.....	28	1,629	-	3	-	2	-	3	-	-	-	41
Michigan.....	33	2,457	-	4	-	-	1	7	-	-	-	11
Wisconsin.....	7	1,909	-	-	-	-	1	-	-	-	2	29
WEST NORTH CENTRAL....	3	3,166	1	4	3	10	-	5	-	1	14	262
Minnesota.....	-	95	1	1	-	-	-	1	-	-	3	54
Iowa.....	3	1,977	-	1	-	-	-	1	-	-	7	57
Missouri.....	-	374	-	1	3	9	-	1	-	1	2	54
North Dakota.....	-	124	-	-	-	1	-	-	-	-	-	24
South Dakota.....	-	1	-	1	-	-	-	-	-	-	-	17
Nebraska.....	-	540	-	-	-	-	-	2	-	-	1	5
Kansas.....	-	55	-	-	-	-	-	-	-	-	1	51
SOUTH ATLANTIC.....	44	5,941	-	11	1	8	-	19	13	97	10	348
Delaware.....	1	41	-	-	-	-	-	-	-	3	-	1
Maryland.....	1	301	-	-	-	-	-	6	-	8	-	-
Dist. of Columbia...	-	17	-	1	-	-	-	-	-	-	-	-
Virginia.....	2	660	-	-	1	1	-	2	1	26	3	163
West Virginia.....	15	1,183	-	-	-	-	-	-	-	2	3	81
North Carolina.....	-	38	-	-	-	4	-	2	5	30	-	1
South Carolina.....	1	596	-	1	-	-	-	-	6	25	-	-
Georgia.....	-	-	-	1	-	2	-	7	1	3	3	55
Florida.....	24	3,105	-	8	-	1	-	2	-	-	1	47
EAST SOUTH CENTRAL....	29	2,406	-	4	-	2	-	9	-	14	4	131
Kentucky.....	-	870	-	-	-	1	-	1	-	-	2	77
Tennessee.....	23	1,209	-	1	-	1	-	5	-	8	1	37
Alabama.....	-	251	-	3	-	-	-	3	-	3	1	17
Mississippi.....	6	76	-	-	-	-	-	-	-	3	-	-
WEST SOUTH CENTRAL....	91	8,328	1	11	1	12	4	14	2	16	4	294
Arkansas.....	-	33	-	3	1	4	-	5	2	4	1	49
Louisiana.....	1	146	-	2	-	2	-	1	-	-	-	45
Oklahoma.....	13	805	-	-	-	4	-	-	-	11	1	57
Texas.....	77	7,344	1	6	-	2	4	8	-	1	2	143
MOUNTAIN.....	35	1,830	-	-	1	4	-	8	-	3	1	54
Montana.....	6	298	-	-	-	-	-	1	-	-	-	1
Idaho.....	1	170	-	-	-	-	-	-	-	-	-	1
Wyoming.....	-	133	-	-	-	-	-	-	-	1	-	30
Colorado.....	10	368	-	-	-	-	-	2	-	2	-	9
New Mexico.....	8	179	-	-	-	-	-	5	-	-	-	11
Arizona.....	8	527	-	-	-	-	-	-	-	-	-	-
Utah.....	2	155	-	-	1	4	-	-	-	-	-	2
Nevada.....	-	-	-	-	-	-	-	-	-	-	1	-
PACIFIC.....	94	9,387	-	8	1	2	-	23	-	1	4	187
Washington.....	20	4,558	-	1	-	-	-	3	-	-	-	1
Oregon.....	26	736	-	3	-	-	-	-	-	-	-	185
California.....	46	3,816	-	4	1	2	-	18	-	1	4	-
Alaska.....	-	89	-	-	-	-	-	1	-	-	-	-
Hawaii.....	2	188	-	-	-	-	-	1	-	-	-	-
Puerto Rico.....	-	26	1	5	-	-	-	3	-	-	-	30
Virgin Islands.....	-	-	-	-	-	-	-	-	-	-	-	-

\*Delayed Reports: Rubella: Maine delete 2  
Tetanus: Iowa 1

Week No. 27 TABLE IV. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED JULY 11, 1970

(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>	684	392	49	32	<b>SOUTH ATLANTIC:</b>	1,234	630	46	77
Boston, Mass.-----	181	94	24	7	Atlanta, Ga.-----	129	53	2	16
Bridgeport, Conn.-----	57	35	4	1	Baltimore, Md.-----	193	99	1	16
Cambridge, Mass.-----	34	17	4	1	Charlotte, N. C.-----	52	15	-	7
Fall River, Mass.-----	28	19	-	1	Jacksonville, Fla.-----	107	50	-	4
Hartford, Conn.-----	49	30	-	1	Miami, Fla.-----	99	53	1	2
Lowell, Mass.-----	31	17	1	1	Norfolk, Va.-----	73	32	3	9
Lynn, Mass.-----	12	6	-	-	Richmond, Va.-----	79	43	5	5
New Bedford, Mass.-----	29	21	1	1	Savannah, Ga.-----	30	17	1	1
New Haven, Conn.-----	49	27	3	9	St. Petersburg, Fla.-----	71	59	3	2
Providence, R. I.-----	68	38	6	3	Tampa, Fla.-----	82	50	10	4
Somerville, Mass.-----	11	9	1	-	Washington, D. C.-----	278	141	16	9
Springfield, Mass.-----	42	22	4	3	Wilmington, Del.-----	41	18	4	2
Waterbury, Conn.-----	35	16	-	3					
Worcester, Mass.-----	58	41	1	1	<b>EAST SOUTH CENTRAL:</b>	676	364	27	23
<b>MIDDLE ATLANTIC:</b>	3,309	1,940	107	143	Birmingham, Ala.-----	74	40	-	3
Albany, N. Y.-----	66	35	-	6	Chattanooga, Tenn.-----	71	35	4	4
Allentown, Pa.-----	42	27	2	2	Knoxville, Tenn.-----	48	32	4	1
Buffalo, N. Y.-----	162	110	1	7	Louisville, Ky.-----	135	74	13	5
Camden, N. J.-----	53	28	4	2	Memphis, Tenn.-----	173	87	4	5
Elizabeth, N. J.-----	33	17	-	-	Mobile, Ala.-----	37	23	-	-
Erie, Pa.-----	54	34	4	1	Montgomery, Ala.-----	30	15	-	1
Jersey City, N. J.-----	59	37	8	4	Nashville, Tenn.-----	108	58	2	4
Newark, N. J.-----	80	32	4	11					
New York City, N. Y.+-----	1,581	930	53	62	<b>WEST SOUTH CENTRAL:</b>	1,351	668	45	116
Paterson, N. J.-----	46	29	1	4	Austin, Tex.-----	41	24	2	4
Philadelphia, Pa.-----	500	269	5	22	Baton Rouge, La.-----	29	16	-	2
Pittsburgh, Pa.-----	218	122	12	5	Corpus Christi, Tex.-----	23	12	-	1
Reading, Pa.-----	53	34	-	2	Dallas, Tex.-----	133	60	3	7
Rochester, N. Y.-----	98	69	3	6	El Paso, Tex.-----	65	27	4	12
Schenectady, N. Y.-----	33	24	5	1	Fort Worth, Tex.-----	95	48	5	11
Scranton, Pa.-----	46	27	-	1	Houston, Tex.-----	271	108	6	46
Syracuse, N. Y.-----	80	54	1	5	Little Rock, Ark.-----	82	41	4	7
Trenton, N. J.-----	48	27	1	1	New Orleans, La.-----	209	99	5	3
Utica, N. Y.-----	20	10	1	1	Oklahoma City, Okla.-----	114	67	2	4
Yonkers, N. Y.-----	37	25	2	-	San Antonio, Tex.-----	127	59	1	7
					Shreveport, La.-----	61	41	3	5
					Tulsa, Okla.-----	101	66	10	7
<b>EAST NORTH CENTRAL:</b>	2,997	1,749	106	128	<b>MOUNTAIN:</b>	487	275	18	27
Akron, Ohio-----	68	36	-	3	Albuquerque, N. Mex.-----	63	35	7	1
Canton, Ohio-----	28	14	1	2	Colorado Springs, Colo.-----	19	10	-	3
Chicago, Ill.-----	919	534	25	33	Denver, Colo.-----	85	45	1	8
Cincinnati, Ohio-----	164	100	6	7	Ogden, Utah-----	19	11	-	1
Cleveland, Ohio-----	210	116	3	9	Phoenix, Ariz.-----	149	88	2	11
Columbus, Ohio-----	132	65	-	7	Pueblo, Colo.-----	14	9	1	1
Dayton, Ohio-----	90	48	4	12	Salt Lake City, Utah-----	66	39	3	1
Detroit, Mich.-----	384	210	8	17	Tucson, Ariz.-----	72	38	4	1
Evansville, Ind.-----	44	28	3	1					
Flint, Mich.-----	68	36	6	6	<b>PACIFIC:</b>	1,591	952	26	65
Fort Wayne, Ind.-----	53	24	2	4	Berkeley, Calif.-----	34	22	-	-
Gary, Ind.-----	46	28	5	3	Fresno, Calif.-----	55	23	-	3
Grand Rapids, Mich.-----	54	38	7	2	Glendale, Calif.-----	35	27	-	1
Indianapolis, Ind.-----	167	95	8	6	Honolulu, Hawaii-----	53	26	-	5
Madison, Wis.-----	40	22	5	4	Long Beach, Calif.-----	90	58	2	2
Milwaukee, Wis.-----	160	111	4	4	Los Angeles, Calif.-----	458	284	9	8
Peoria, Ill.-----	43	28	-	-	Oakland, Calif.-----	71	42	2	8
Rockford, Ill.-----	58	34	6	1	Pasadena, Calif.-----	38	26	-	1
South Bend, Ind.-----	64	47	5	1	Portland, Oreg.-----	125	78	2	6
Toledo, Ohio-----	128	85	7	4	Sacramento, Calif.-----	73	42	-	4
Youngstown, Ohio-----	77	50	1	2	San Diego, Calif.-----	76	42	1	4
					San Francisco, Calif.-----	207	122	5	6
<b>WEST NORTH CENTRAL:</b>	969	584	21	52	San Jose, Calif.-----	50	36	-	3
Des Moines, Iowa-----	71	52	-	4	Seattle, Wash.-----	148	76	2	12
Duluth, Minn.-----	27	15	3	-	Spokane, Wash.-----	50	29	2	1
Kansas City, Kans.-----	56	31	1	6	Tacoma, Wash.-----	28	19	1	1
Kansas City, Mo.-----	122	71	2	5					
Lincoln, Nebr.-----	29	19	-	1	<b>Total</b>	<b>13,298</b>	<b>7,554</b>	<b>445</b>	<b>663</b>
Minneapolis, Minn.-----	150	97	7	13	<b>Expected Number</b>	<b>12,178</b>	<b>6,967</b>	<b>347</b>	<b>499</b>
Omaha, Nebr.-----	90	50	1	7	<b>Cumulative Total</b>	<b>357,862</b>	<b>205,120</b>	<b>14,870</b>	<b>16,605</b>
St. Louis, Mo.-----	290	172	1	8	(includes reported corrections for previous weeks)				
St. Paul, Minn.-----	76	44	2	2					
Wichita, Kans.-----	58	33	4	6					
Las Vegas, Nev.*	26	9	-	4					

\*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 ended July 4, 1970

INTERNATIONAL NOTES  
SMALLPOX - Argentina (1)

Following the importation of a case of smallpox, the health administration has notified an outbreak of 21 cases which occurred in the Misiones Province, 25 de Mayo Department, Colonia Alicia, between May 24 and 30, 1970. Containment action, including vaccination in the affected area, has been taken.

Reference

(1) World Health Organization Weekly Epidemiological Record 45(28):300, 1970

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

CENTER FOR DISEASE CONTROL  
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 CDC 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.

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