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EPIDEMIOLOGIC NOTES AND REPORTS GASTROENTERITIS ATTRIBUTED TO IMPORTED FRENCH CHEESE - United States

Between Nov. 12 and 26, 1971, at least 111 persons in 20 separate outbreaks had onset of acute gastroenteritis approximately 24 hours after eating imported Camembert cheese. Typical symptoms included nausea, diarrhea, fever, myalgia, and in some cases, bloody diarrhea and vomiting. Two persons were hospitalized; there were no deaths. The average duration of illness was 24-48 hours. In addition, 16 persons in six outbreaks experienced a similar illness after eating imported Brie cheese. One of these persons was hospitalized.

Food-specific attack rates strongly implicated Camembert and Brie cheese imported from France by Anco Cheese Imports, Inc., of Elmsford, New York. These products bear the label "LeRoitelet, manufactured by S.A.F.R., 44 R. Louis

CONTENTS

Epidemiologic Notes and Reports	
Gastroenteritis Attributed to Imported	
French Cheese - United States	427
Typhoid Fever in American Tourists to Europe	428
International Notes	
Salmonella Infection from a Tortoise - United Kingdom	428
Quarantine Measures	434
Surveillance Summary	
Measles - United States, 1970-71	429

Blanc, Paris, France." They are sold in 8-ounce packages and have the code number 3169 stamped on the bottom.

The importers have voluntarily recalled both products. The recall is being monitored by the Food and Drug Administration. The cheeses have been distributed to consignees in New York, Connecticut, New Jersey, Massachusetts, Michigan, Colorado, Georgia, California, Louisiana, Pennsylvania, Washington, Maryland, and the District of Columbia.

(Continued on page 428)

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

DISEASE	47th WEEK ENDED		MEDIAN 1966 - 1970	CUMULATIVE, FIRST 47 WEEKS		
	November 27, 1971	November 28, 1970		1971	1970	MEDIAN 1966 - 1970
Aseptic meningitis	69	150	67	4,750	5,704	3,235
Brucellosis	2	6	5	149	196	213
Diphtheria	4	6	10	171	401	184
Encephalitis, primary:						
Arthropod-borne & unspecified	28	14	25	1,397	1,438	1,438
Encephalitis, post-infectious	4	1	3	310	352	439
Hepatitis, serum	179	119	101	7,907	6,620	4,189
Hepatitis, infectious	1,037	1,051	1,051	54,736	51,170	41,343
Malaria	26	89	39	2,706	3,154	2,147
Measles (rubeola)	282	837	335	72,782	43,287	43,287
Meningococcal infections, total	31	46	46	2,027	2,227	2,318
Civilian	28	30	42	1,812	1,959	2,121
Military	3	16	6	215	268	212
Mumps	1,711	2,318	---	111,988	90,790	---
Poliomyelitis, total	---	---	1	11	26	41
Paralytic	---	---	1	8	26	32
Rubella (German measles)	319	409	295	41,711	53,120	46,700
Tetanus	1	3	3	99	123	152
Tularemia	---	3	5	168	141	154
Typhoid fever	9	10	10	383	319	346
Typhus, tick-borne (Rky. Mt. spotted fever)	1	3	3	398	335	296
Rabies in animals	39	53	53	3,580	2,751	3,089

TABLE II. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	4	Psittacosis:	35
Botulism:	15	Rabies in Man:	1
Leprosy:	108	Rubella congenital syndrome:	53
Leptospirosis:	35	Trichinosis:	88
Plague:	1	Typhus, murine: Tex.-1	23

GASTROENTERITIS — (Continued from front page)

The etiology of this illness has not been confirmed. Several laboratories are analyzing stool specimens obtained from patients as well as multiple samples of the cheeses to determine the causative agent.

(Reported by L. W. Schnurrenberger, M.D., Acting Chief, Robert Beck, Advisor, Bureau of Food and Drug, John Pate,

M.D., Chief, Venereal Diseases, Communicable Disease Control, District of Columbia Department of Public Health; the Food and Drug Administration, Washington, D.C.; the Bacterial Diseases Branch, Epidemiology Program, CDC; and an EIS Officer.)

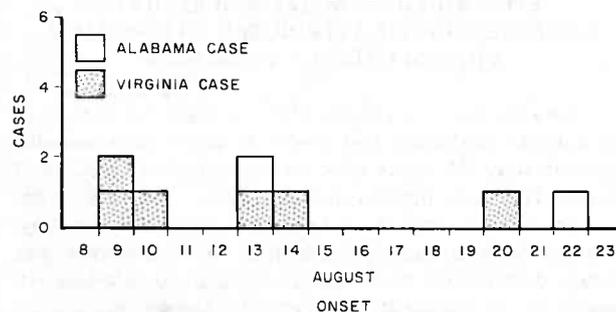
TYPHOID FEVER IN AMERICAN TOURISTS TO EUROPE

Between July 9 and Aug. 9, 1971, a group of 81 American students and their counselors from 15 states traveled in Germany, France, and Italy. Between August 9-22, after their return to the United States, eight persons had onset of symptoms suggestive of typhoid fever (Figure 1). Four persons were hospitalized; three had fever with headache, and one had fever with diarrhea. Six of the patients were from Virginia, and two were from Alabama.

Blood and stool specimens were obtained from all eight patients. Four had blood cultures positive for *Salmonella typhi*, and one of these and one other had positive stool cultures (Table 1). All isolates were of the same phage type, degraded Vi. Although cases 5 and 6 did not have positive cultures, both had symptoms and 0 antibody titers compatible with typhoid. All patients recovered uneventfully.

An epidemiologic investigation was conducted in which 61 other members of the tour were interviewed. None had symptoms suggestive of typhoid fever. Members of the group recalled an event that had occurred sometime between July 24 and August 7 while they were in northern Italy. They had been traveling by train on a very hot day when the train

Figure 1
CASES OF TYPHOID FEVER IN AN AMERICAN TOUR GROUP,
BY ONSET — AUGUST 1971



stopped to take on water from a nearby pond. Some members of the group drank some of this water in spite of warnings from the counselors. Of the 19 persons in the group from Virginia, 10 drank the water and six of them later became ill with typhoid fever. The other nine Virginians said they had not drunk the water; none of them experienced typhoid. The two patients from Alabama denied drinking this water. The Virginians were generally together in the same small group during the various art tours. The patients from Alabama did not recall being part of that group.

(Reported by H. E. Gillespie, M.D., Chief of Division of Special Health Services, Virginia State Department of Health; Frederick S. Wolf, M.D., Director, Bureau of Preventable Diseases, Alabama Department of Public Health; the Laboratory Division, CDC; and two EIS Officers.)

Editorial Note

Typhoid fever is becoming increasingly rare in the United States. However, physicians should consider typhoid fever in the differential diagnosis of febrile patients who have a history of foreign travel from 1 to 4 weeks prior to the onset of fever. An epidemiologic investigation should be conducted of all travelers who accompany such patients.

Table 1
Cases of Typhoid in a Tour Group to Europe — August 1971

Case Number	State of Residence	Culture for <i>Salmonella typhi</i>		Serology (Salmonella Group D 0 Antigen)	Hospitalized
		Blood	Stool		
1	Virginia	+	—	1:1280	+
2	Virginia	—	—	1:320	—
3	Virginia	+	+	1:80	—
4	Virginia	—	+	1:20	—
5	Virginia	—	—	1:640	—
6	Virginia	—	—	1:640	+
7	Alabama	+	—	—	+
8	Alabama	+	—	—	—

INTERNATIONAL NOTES

SALMONELLA INFECTION FROM A TORTOISE — United Kingdom

Approximately 300,000 tortoises are imported into the United Kingdom each year. It is estimated that about 85 percent of them are infected with salmonellae. Nevertheless, there have been very few recorded cases of human infection from these reptiles. Most cases have occurred in young children.

Recently, a 10-year-old girl, whose father owns a pet shop, was admitted to a hospital with a temperature of 105° F. and pain in the right hip which she had had for 3 days. *Sal-*

monella overschie was isolated from blood and stool specimens and from pus aspirated from the hip joint. Septicemia with or without localization is a well known complication of salmonella infection. This patient had a prolonged illness and was finally discharged after 14 weeks.

Approximately 2 weeks before she became ill, her pet tortoise had excreted copiously over her hands and arms. Cloacal swabs and droppings from the tortoise were cultured

and found to contain *S. overschie* and *S. uphill*. Specimens from contacts, a rabbit, a dog, two guinea pigs, and a hamster were also cultured, but no salmonellae were found.

Both serotypes isolated from the tortoise are very rare in England. Indeed, *S. overschie* has not been isolated previously in the United Kingdom. *S. uphill*, a subgenus II Salmonella, was first identified from a tortoise in Taunton in 1951, and most of the isolations in the United Kingdom have been made from tortoises or terrapins. A human case of infection was reported in 1965, and there were two more in 1969. All three patients were young children; two of them had a pet tortoise.

The tortoise implicated in the present case was the last in a batch of about 50 sold by the child's parents, and it was therefore not possible to examine the remainder of the batch. They were bought from a wholesaler who obtains them in large quantities from Mediterranean countries and sells about 10,000 a year. No further cases of infection due to *S. over-*

schie have been reported.

When tortoises were first investigated as a possible source of infection approximately 20 years ago, they were found to harbor salmonella serotypes very rarely found in man. Recently, however, more common human pathogens have been isolated from tortoises. Earlier this year, there was circumstantial evidence from one report that *S. enteritidis* isolated from a patient might have been acquired from a tortoise. There is also a suggestion from the United States that tortoises may be a more important problem than has been recognized so far [MMWR, Vol. 20, No. 11]. In the United Kingdom, infection from tortoises is, as far as is known, very uncommon, but to wash the hands after handling one is a wise precaution.

(From notes based on reports to the Public Health Laboratory Service from Public Health and Hospital Laboratories in the United Kingdom and Republic of Ireland, published in the British Medical Journal Nov. 20, 1971.)

SURVEILLANCE SUMMARY
MEASLES - United States, 1970-71

In the measles epidemiologic year (EY*) 1970-71, 77,682 cases of measles were reported in the United States (Figure 2). This represents a 73.8 percent increase over the total reported for EY 1969-70 and a 225 percent increase over that for EY 1967-68. Many epidemiologic investigations have shown that the overwhelming majority of the cases this year occurred in unvaccinated children.

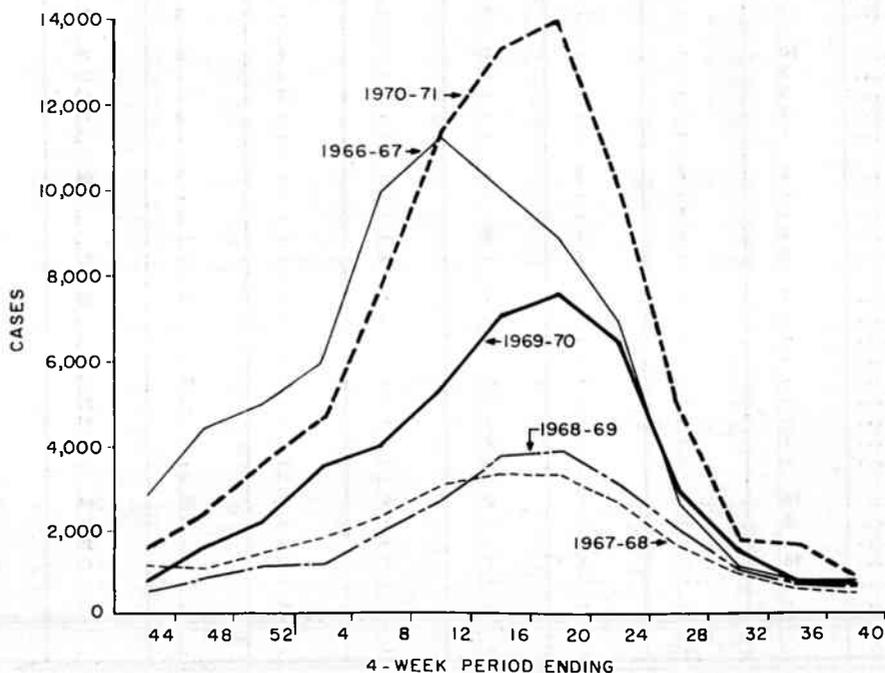
In the past decade, the case fatality ratio for measles has regularly been 1.0-1.5 per 1,000, and the occurrence of

*The measles EY begins with the calendar week 41 and ends with week 40 of the following year.

measles-associated encephalitis has been approximately 1 per 1,000; in 1967, for example, when 62,705 cases of measles were reported, there were 81 measles deaths, 52 of them in children less than 5 years old, and 62 cases of measles-associated encephalitis. Although similar data for EY 1970-71 are not yet available, the great increase in measles in this EY has undoubtedly resulted in deaths and encephalitis cases equal to or greater than those in 1967.

(Reported by the Field Services Branch, Epidemiology Program, and the Immunization Branch, State and Community Services Division, CDC.)

Figure 2
REPORTED CASES OF MEASLES BY 4-WEEK PERIODS, USA, EPIDEMIOLOGIC YEAR 1970-71 COMPARED WITH 1966-67, 1967-68, 1968-69, AND 1969-70



Morbidity and Mortality Weekly Report

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

NOVEMBER 27, 1971 AND NOVEMBER 28, 1970 (47th WEEK)

AREA	ASEPTIC MENIN- GITIS	BRUCEL- LOSIS	DIPH- THERIA	ENCEPHALITIS			HEPATITIS			MALARIA	
				Primary including unsp. cases		Post In- fectious	Serum	Infectious		1971	Cum. 1971
				1971	1970	1971	1971	1971	1970		
UNITED STATES.....	69	2	4	28	14	4	179	1,037	1,051	26	2,706
NEW ENGLAND.....	-	-	-	-	1	-	6	49	112	-	81
Maine.....	-	-	-	-	-	-	-	9	16	-	5
New Hampshire*.....	-	-	-	-	-	-	-	5	4	-	-
Vermont.....	-	-	-	-	-	-	-	4	8	-	1
Massachusetts.....	-	-	-	-	1	-	-	18	38	-	57
Rhode Island.....	-	-	-	-	-	-	2	5	19	-	8
Connecticut.....	-	-	-	-	-	-	4	8	27	-	10
MIDDLE ATLANTIC.....	10	-	-	3	4	-	68	180	246	1	266
New York City.....	-	-	-	-	-	-	17	39	69	-	24
New York, Up-State...	7	-	-	1	2	-	14	44	56	-	72
New Jersey.*.....	-	-	-	-	-	-	17	56	49	-	113
Pennsylvania.....	3	-	-	2	2	-	20	41	72	1	57
EAST NORTH CENTRAL.....	8	-	-	7	3	-	32	149	129	2	175
Ohio.....	-	-	-	-	1	-	7	40	21	1	23
Indiana.....	2	-	-	2	-	-	-	8	8	-	14
Illinois.....	2	-	-	1	2	-	7	21	24	1	53
Michigan.....	4	-	-	3	-	-	18	71	67	-	55
Wisconsin.....	-	-	-	1	-	-	-	9	9	-	30
WEST NORTH CENTRAL.....	-	-	-	-	1	1	2	37	53	1	247
Minnesota.....	-	-	-	-	-	1	-	4	5	-	36
Iowa.....	-	-	-	-	-	-	-	7	4	-	26
Missouri.....	-	-	-	-	-	-	-	7	5	-	27
North Dakota.....	-	-	-	-	-	-	-	3	8	-	3
South Dakota.....	-	-	-	-	-	-	-	-	-	-	2
Nebraska.....	-	-	-	-	1	-	-	6	1	-	14
Kansas.....	-	-	-	-	-	-	2	10	30	1	139
SOUTH ATLANTIC.....	16	-	-	6	1	-	18	146	124	6	406
Delaware.....	-	-	-	-	1	-	-	1	1	-	2
Maryland.....	2	-	-	-	-	-	6	22	16	-	52
Dist. of Columbia...	-	-	-	1	-	-	1	-	-	-	4
Virginia.....	1	-	-	3	-	-	5	26	17	-	67
West Virginia.....	-	-	-	-	-	-	-	9	8	-	7
North Carolina.....	4	-	-	1	-	-	2	44	20	5	142
South Carolina.....	-	-	-	-	-	-	1	4	9	-	20
Georgia.....	6	-	-	-	-	-	-	9	14	-	68
Florida.....	3	-	-	1	-	-	3	31	39	1	44
EAST SOUTH CENTRAL.....	10	-	-	1	-	1	4	79	66	1	290
Kentucky.....	2	-	-	1	-	-	-	20	26	-	259
Tennessee.....	5	-	-	-	-	1	-	43	32	-	-
Alabama.....	2	-	-	-	-	-	3	11	7	1	22
Mississippi.....	1	-	-	-	-	-	1	5	1	-	9
WEST SOUTH CENTRAL.....	6	2	3	4	-	-	3	64	48	2	525
Arkansas.....	-	-	-	-	-	-	-	-	3	-	20
Louisiana.f.....	-	1	-	2	-	-	3	2	5	1	39
Oklahoma.....	1	1	1	2	-	-	-	5	16	-	71
Texas.....	5	-	2	-	-	-	-	57	24	1	395
MOUNTAIN.....	1	-	-	5	-	-	11	89	41	8	160
Montana.....	-	-	-	-	-	-	-	6	5	1	2
Idaho.....	-	-	-	-	-	-	-	4	10	1	6
Wyoming.....	-	-	-	-	-	-	-	2	-	-	3
Colorado.....	-	-	-	-	-	-	10	17	14	6	123
New Mexico.....	-	-	-	-	-	-	1	27	1	-	11
Arizona.....	-	-	-	3	-	-	-	31	9	-	10
Utah.....	1	-	-	2	-	-	-	2	2	-	3
Nevada.....	-	-	-	-	-	-	-	-	-	-	2
PACIFIC.....	18	-	1	2	4	2	35	244	232	5	556
Washington.....	2	-	-	-	2	-	1	37	33	-	2
Oregon.....	-	-	-	-	-	-	2	30	21	-	20
California.....	16	-	1	2	2	2	32	172	166	5	472
Alaska.....	---	---	---	---	---	---	---	---	3	---	6
Hawaii.....	-	-	-	-	-	-	-	5	9	-	56
Puerto Rico*.....	---	---	---	---	---	---	---	---	27	---	24
Virgin Islands.....	-	-	-	-	-	-	-	-	-	1	1

*Delayed reports: Aseptic meningitis: La. delete 2, P.R. 2

Hepatitis, infectious: N.H. 1, N.J. delete 1, P.R. 15

Malaria: P.R. 1

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
NOVEMBER 27, 1971 AND NOVEMBER 28, 1970 (47th WEEK) - CONTINUED

AREA	MEASLES (Rubeola)			MENINGOCOCCAL INFECTIONS, TOTAL			MUMPS		POLIOMYELITIS		
	1971	Cumulative		1971	Cumulative		1971	Cum. 1971	Total 1971	Paralytic	
		1971	1970		1971	1970				1971	Cum. 1971
UNITED STATES.....	282	72,782	43,287	31	2,027	2,227	1,711	111,988	-	-	8
NEW ENGLAND.....	11	3,497	992	-	96	98	78	6,691	-	-	-
Maine.....	-	1,476	277	-	9	5	11	1,244	-	-	-
New Hampshire.....	1	212	61	-	21	9	3	670	-	-	-
Vermont.....	3	121	8	-	-	8	6	439	-	-	-
Massachusetts.....	4	259	423	-	35	39	16	1,651	-	-	-
Rhode Island.....	2	240	120	-	3	6	3	1,252	-	-	-
Connecticut.....	1	1,189	103	-	28	31	39	1,435	-	-	-
MIDDLE ATLANTIC.....	7	7,678	5,138	2	270	407	92	6,627	-	-	-
New York City.....	3	3,796	1,004	-	55	87	20	1,932	-	-	-
New York, Up-State.....	1	697	371	2	83	78	NN	NN	-	-	-
New Jersey.....	1	1,255	1,724	-	60	165	61	1,784	-	-	-
Pennsylvania.....	2	1,930	2,039	-	72	77	11	2,911	-	-	-
EAST NORTH CENTRAL.....	98	16,321	10,257	2	234	256	573	44,293	-	-	-
Ohio.....	9	4,055	3,872	-	75	92	99	8,333	-	-	-
Indiana.....	15	2,872	276	2	19	22	21	5,298	-	-	-
Illinois.....	9	3,188	3,161	-	66	65	30	4,754	-	-	-
Michigan.....	18	2,523	1,815	-	59	65	69	10,124	-	-	-
Wisconsin.....	47	3,683	1,133	-	15	12	354	15,784	-	-	-
WEST NORTH CENTRAL.....	69	7,154	3,914	1	143	117	184	8,521	-	-	-
Minnesota.....	-	57	40	1	27	19	8	1,282	-	-	-
Iowa.....	64	2,564	1,170	-	12	14	152	4,486	-	-	-
Missouri.....	-	2,606	1,276	-	49	62	4	1,077	-	-	-
North Dakota.....	2	240	321	-	6	5	4	369	-	-	-
South Dakota.....	-	221	98	-	6	1	-	257	-	-	-
Nebraska.....	-	69	940	-	15	8	11	202	-	-	-
Kansas.....	3	1,397	69	-	28	8	5	848	-	-	-
SOUTH ATLANTIC.....	21	8,729	7,422	11	360	443	101	8,102	-	-	1
Delaware.....	-	42	267	-	2	3	1	182	-	-	-
Maryland.....	-	554	1,387	-	51	45	2	732	-	-	-
Dist. of Columbia.....	1	16	345	1	14	3	4	99	-	-	-
Virginia.....	1	1,612	2,062	-	42	46	5	1,031	-	-	-
West Virginia.....	5	552	329	-	11	12	66	2,353	-	-	-
North Carolina.....	2	1,957	909	7	66	96	NN	NN	-	-	-
South Carolina.....	3	923	608	-	20	46	-	898	-	-	-
Georgia.....	-	1,133	18	1	25	40	-	11	-	-	1
Florida.....	9	1,940	1,497	2	129	152	23	2,796	-	-	-
EAST SOUTH CENTRAL.....	4	8,420	1,625	4	185	159	137	8,401	-	-	-
Kentucky.....	4	3,968	908	-	53	58	7	2,442	-	-	-
Tennessee.....	-	1,025	424	3	74	66	91	4,810	-	-	-
Alabama.....	-	1,954	192	1	32	24	39	996	-	-	-
Mississippi.....	-	1,473	101	-	26	11	-	153	-	-	-
WEST SOUTH CENTRAL.....	14	12,657	8,679	2	180	278	80	9,074	-	-	3
Arkansas.....	-	778	30	-	5	23	-	150	-	-	-
Louisiana.....	-	1,701	174	1	68	68	-	144	-	-	-
Oklahoma.....	-	757	795	-	10	22	2	188	-	-	-
Texas.....	14	9,421	7,680	1	97	165	78	8,592	-	-	3
MOUNTAIN.....	2	3,500	1,993	4	64	51	94	4,566	-	-	2
Montana.....	-	925	101	-	7	1	1	413	-	-	-
Idaho.....	-	274	379	-	11	7	7	156	-	-	-
Wyoming.....	-	85	11	-	2	2	24	377	-	-	-
Colorado.....	1	840	191	-	7	17	39	1,537	-	-	1
New Mexico.....	-	400	265	-	5	2	2	701	-	-	-
Arizona.....	1	633	989	1	9	16	14	1,204	-	-	-
Utah.....	-	336	36	2	19	5	7	178	-	-	-
Nevada.....	-	7	21	1	4	1	-	-	-	-	1
PACIFIC.....	56	4,826	3,267	5	495	418	372	15,713	-	-	2
Washington.....	2	1,093	683	2	33	46	186	6,400	-	-	1
Oregon.....	1	378	410	1	40	30	35	1,580	-	-	1
California.....	42	2,782	1,844	2	412	339	146	6,718	-	-	-
Alaska.....	---	63	141	---	1	-	---	99	---	---	-
Hawaii.....	11	510	189	-	9	3	5	916	-	-	-
Puerto Rico.....	---	582	968	---	10	5	---	1,173	---	---	-
Virgin Islands.....	-	17	8	-	-	3	-	75	-	-	-

*Delayed reports: Measles: Ariz. 76, P.R. 1
Meningococcal infections: N.H. 2, Ind. delete 1
Mumps: Me. 1, P.R. 26

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

NOVEMBER 27, 1971 AND NOVEMBER 28, 1970 (47th WEEK) - CONTINUED

AREA	RUBELLA		TETANUS		TULAREMIA		TYPHOID FEVER		TYPHUS FEVER TICK-BORNE (Rky. Mt. Spotted)		RABIES IN ANIMALS	
	1971	Cum. 1971	1971	Cum. 1971	1971	Cum. 1971	1971	Cum. 1971	1971	Cum. 1971	1971	Cum. 1971
UNITED STATES.....	319	41,711	1	99	-	168	9	383	1	398	39	3,580
NEW ENGLAND.....	16	1,815	-	6	-	1	-	17	-	5	1	208
Maine.....	-	271	-	-	-	-	-	1	-	-	1	181
New Hampshire.....	2	48	-	2	-	-	-	-	-	-	-	3
Vermont.....	-	102	-	-	-	-	-	-	-	-	-	15
Massachusetts.....	3	849	-	1	-	-	-	12	-	3	-	8
Rhode Island.....	4	107	-	-	-	-	-	-	-	2	-	1
Connecticut.....	7	438	-	3	-	1	-	4	-	-	-	-
MIDDLE ATLANTIC.....	15	2,675	-	8	-	-	-	91	-	37	1	150
New York City.....	-	591	-	5	-	-	-	22	-	1	-	-
New York, Up-State..	3	434	-	1	-	-	-	14	-	17	1	129
New Jersey.....	10	625	-	1	-	-	-	8	-	9	-	-
Pennsylvania.....	2	1,025	-	1	-	-	-	47	-	10	-	21
EAST NORTH CENTRAL....	47	9,072	-	13	-	6	1	53	-	20	3	374
Ohio.....	3	1,021	-	2	-	1	1	21	-	15	1	109
Indiana.....	7	2,162	-	2	-	-	-	6	-	-	1	80
Illinois.....	-	1,331	-	6	-	2	-	13	-	3	1	69
Michigan.....	17	2,854	-	3	-	1	-	7	-	2	-	46
Wisconsin.....	20	1,704	-	-	-	2	-	6	-	-	-	70
WEST NORTH CENTRAL....	2	3,278	-	6	-	19	-	4	-	8	12	999
Minnesota.....	-	280	-	3	-	-	-	-	-	-	5	233
Iowa.....	2	720	-	1	-	-	-	-	-	2	2	218
Missouri.....	-	1,369	-	2	-	15	-	4	-	4	1	142
North Dakota.....	-	96	-	-	-	-	-	-	-	-	2	172
South Dakota.....	-	99	-	-	-	1	-	-	-	-	-	120
Nebraska.....	-	93	-	-	-	-	-	-	-	-	2	8
Kansas.....	-	621	-	-	-	3	-	-	-	2	-	106
SOUTH ATLANTIC.....	138	3,411	1	25	-	23	-	51	-	205	3	393
Delaware.....	-	50	-	-	-	-	-	1	-	2	-	-
Maryland.....	-	164	-	1	-	4	-	4	-	31	1	2
Dist. of Columbia...	-	8	-	3	-	-	-	4	-	-	-	-
Virginia.....	3	224	-	3	-	9	-	15	-	35	-	74
West Virginia.....	3	707	-	-	-	-	-	4	-	4	-	120
North Carolina.....	-	49	-	2	-	4	-	4	-	106	-	7
South Carolina.....	1	451	-	1	-	-	-	2	-	14	-	-
Georgia.....	-	1	-	2	-	4	-	2	-	13	2	136
Florida.....	131	1,757	1	13	-	2	-	15	-	-	-	54
EAST SOUTH CENTRAL....	14	3,956	-	14	-	12	-	45	-	63	3	328
Kentucky.....	3	1,733	-	2	-	2	-	11	-	13	2	166
Tennessee.....	8	1,934	-	7	-	7	-	25	-	34	1	102
Alabama.....	2	213	-	4	-	2	-	8	-	9	-	56
Mississippi.....	1	76	-	1	-	1	-	1	-	7	-	4
WEST SOUTH CENTRAL....	18	4,954	-	16	-	62	4	39	1	48	13	708
Arkansas.....	-	338	-	1	-	25	-	11	1	6	1	94
Louisiana.....	1	289	-	3	-	8	-	6	-	1	4	43
Oklahoma.....	-	75	-	2	-	17	-	3	-	28	2	269
Texas.....	17	4,252	-	10	-	12	4	19	-	13	6	302
MOUNTAIN.....	2	2,020	-	2	-	40	-	9	-	12	-	72
Montana.....	-	116	-	-	-	2	-	-	-	3	-	-
Idaho.....	-	43	-	1	-	1	-	-	-	4	-	-
Wyoming.....	-	860	-	-	-	-	-	-	-	-	-	12
Colorado.....	2	308	-	-	-	-	-	2	-	2	-	11
New Mexico.....	-	239	-	-	-	-	-	5	-	1	-	9
Arizona.....	-	372	-	1	-	-	-	2	-	-	-	25
Utah.....	-	67	-	-	-	37	-	-	-	1	-	10
Nevada.....	-	15	-	-	-	-	-	-	-	1	-	5
PACIFIC.....	67	10,530	-	9	-	5	4	74	-	-	3	348
Washington.....	20	1,472	-	1	-	-	-	1	-	-	-	-
Oregon.....	1	781	-	-	-	3	-	-	-	-	-	9
California.....	44	8,051	-	7	-	2	4	68	-	-	3	305
Alaska.....	---	50	---	---	---	---	---	1	---	---	---	34
Hawaii.....	2	176	-	-	-	-	-	4	-	-	-	-
Puerto Rico.*.....	---	62	---	7	---	---	---	3	---	---	---	71
Virgin Islands.....	-	1	-	-	-	-	1	1	-	-	-	-

*Delayed reports: Rubella: Mich. 20

Rabies in animals: P.R. 2

Morbidity and Mortality Weekly Report

433

Week No. **TABLE IV. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED NOVEMBER 27, 1971**

47

(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		
NEW ENGLAND:	710	448	51	26	SOUTH ATLANTIC:	1,150	605	48	37
Boston, Mass.-----	219	127	13	9	Atlanta, Ga.-----	134	58	6	9
Bridgeport, Conn.-----	37	19	6	1	Baltimore, Md.-----	188	91	6	9
Cambridge, Mass.-----	28	21	4	—	Charlotte, N. C.-----	46	21	—	3
Fall River, Mass.-----	32	22	—	3	Jacksonville, Fla.-----	79	47	2	1
Hartford, Conn.-----	62	35	1	3	Miami, Fla.-----	85	52	2	4
Lowell, Mass.-----	31	23	—	1	Norfolk, Va.-----	51	31	4	1
Lynn, Mass.-----	21	14	2	1	Richmond, Va.-----	80	39	6	—
New Bedford, Mass.-----	21	15	1	—	Savannah, Ga.-----	34	21	1	—
New Haven, Conn.-----	44	20	2	5	St. Petersburg, Fla.-----	95	80	5	1
Providence, R. I.-----	62	41	9	1	Tampa, Fla.-----	63	31	6	1
Somerville, Mass.-----	10	9	1	—	Washington, D. C.-----	253	110	8	7
Springfield, Mass.-----	48	28	3	—	Wilmington, Del.-----	42	24	2	1
Waterbury, Conn.-----	33	28	—	1					
Worcester, Mass.-----	62	46	9	1	EAST SOUTH CENTRAL:	492	282	17	25
MIDDLE ATLANTIC:	3,184	1,936	124	123	Birmingham, Ala.-----	37	22	1	—
Albany, N. Y.-----	57	35	—	3	Chattanooga, Tenn.-----	49	23	4	5
Allentown, Pa.-----	27	18	1	1	Knoxville, Tenn.-----	42	26	—	2
Buffalo, N. Y.-----	110	69	3	3	Louisville, Ky.-----	105	56	6	8
Camden, N. J.-----	32	18	2	2	Memphis, Tenn.-----	134	83	2	1
Elizabeth, N. J.-----	29	19	—	—	Mobile, Ala.-----	32	18	1	2
Erie, Pa.-----	55	32	7	2	Montgomery, Ala.-----	23	13	1	1
Jersey City, N. J.-----	57	38	2	2	Nashville, Tenn.-----	70	41	2	6
Newark, N. J.-----	48	23	3	4	WEST SOUTH CENTRAL:	986	537	29	47
New York City, N. Y.†	1,692	1,040	58	51	Austin, Tex.-----	39	25	4	1
Paterson, N. J.-----	23	14	3	2	Baton Rouge, La.-----	36	19	1	4
Philadelphia, Pa.-----	397	228	4	26	Corpus Christi, Tex.-----	36	19	4	5
Pittsburgh, Pa.-----	248	124	15	16	Dallas, Tex.-----	151	72	3	9
Reading, Pa.-----	38	26	2	1	El Paso, Tex.-----	21	12	2	1
Rochester, N. Y.-----	118	87	12	3	Fort Worth, Tex.-----	76	41	1	6
Schenectady, N. Y.-----	22	15	1	1	Houston, Tex.-----	161	86	4	—
Scranton, Pa.-----	54	37	4	—	Little Rock, Ark.-----	68	31	2	3
Syracuse, N. Y.-----	69	45	2	4	New Orleans, La.-----	157	94	1	5
Trenton, N. J.-----	42	22	2	2	Oklahoma City, Okla.-----	65	35	2	3
Utica, N. Y.-----	31	22	1	—	San Antonio, Tex.-----	72	42	2	8
Yonkers, N. Y.-----	35	24	2	—	Shreveport, La.-----	58	34	1	1
					Tulsa, Okla.-----	46	27	2	1
EAST NORTH CENTRAL:	2,211	1,249	65	92	MOUNTAIN:	409	243	19	22
Akron, Ohio-----	42	26	1	2	Albuquerque, N. Mex.-----	25	14	7	2
Canton, Ohio-----	43	25	1	1	Colorado Springs, Colo.-----	33	23	2	1
Chicago, Ill.-----	656	331	22	33	Denver, Colo.-----	110	63	3	8
Cincinnati, Ohio-----	128	74	3	3	Ogden, Utah-----	12	6	—	—
Cleveland, Ohio-----	148	76	1	11	Phoenix, Ariz.-----	100	55	—	4
Columbus, Ohio-----	97	45	—	3	Pueblo, Colo.-----	12	12	5	—
Dayton, Ohio-----	85	55	1	2	Salt Lake City, Utah-----	51	30	1	3
Detroit, Mich.-----	305	175	4	7	Tucson, Ariz.-----	62	40	1	4
Evansville, Ind.-----	46	30	3	2	PACIFIC:	1,404	859	32	61
Flint, Mich.-----	51	32	9	6	Berkeley, Calif.-----	11	7	—	—
Fort Wayne, Ind.-----	31	20	—	—	Fresno, Calif.-----	32	15	1	3
Gary, Ind.-----	22	9	1	3	Glendale, Calif.-----	19	14	—	1
Grand Rapids, Mich.-----	35	18	2	—	Honolulu, Hawaii-----	56	31	3	3
Indianapolis, Ind.-----	131	82	2	4	Long Beach, Calif.-----	97	69	2	1
Madison, Wis.-----	31	14	4	3	Los Angeles, Calif.-----	442	268	9	23
Milwaukee, Wis.-----	99	70	3	2	Oakland, Calif.-----	71	44	—	4
Peoria, Ill.-----	28	20	—	2	Pasadena, Calif.-----	35	25	1	—
Rockford, Ill.-----	50	27	3	—	Portland, Ore.-----	117	73	2	3
South Bend, Ind.-----	39	25	3	2	Sacramento, Calif.-----	48	29	—	2
Toledo, Ohio-----	91	61	2	5	San Diego, Calif.-----	86	46	2	7
Youngstown, Ohio-----	53	34	—	1	San Francisco, Calif.-----	123	82	4	5
					San Jose, Calif.-----	43	24	1	—
WEST NORTH CENTRAL:	714	432	21	41	Seattle, Wash.-----	123	77	4	4
Des Moines, Iowa-----	72	49	—	1	Spokane, Wash.-----	63	38	3	3
Duluth, Minn.-----	19	9	—	—	Tacoma, Wash.-----	38	17	—	2
Kansas City, Kans.-----	32	21	2	2					
Kansas City, Mo.-----	117	68	4	10	Total	11,260	6,591	406	474
Lincoln, Nebr.-----	30	14	—	2	Expected Number	12,919	7,435	481	583
Minneapolis, Minn.-----	83	60	2	5	Cumulative Total	596,773	342,489	21,520	26,737
Omaha, Nebr.-----	52	31	2	2	(includes reported corrections for previous weeks)				
St. Louis, Mo.-----	194	110	5	14					
St. Paul, Minn.-----	70	48	1	1					
Wichita, Kans.-----	45	22	5	4					
Las Vegas, Nev.*	18	10	—	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 ended Nov. 20, 1971

INTERNATIONAL NOTES
QUARANTINE MEASURES

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

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

CALIFORNIA

El Segundo Sepulveda Medical Group
815 N. Sepulveda Blvd., 90245
213, 772-2156
24 hour facility, 7 days a week
Fee charged

NEVADA

Reno Washoe County District Health Dept.
10 Kirman Ave., 89502
702, 785-4294
By appointment, afternoons Mon.-Fri.
Fee charged

NEW JERSEY

Saddle Brook Diagnostic Health Group
289 Market St., 07662
201, 845-6006
Mon.-Sat., Tues. & Thurs. evenings
Fee charged

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

CANAL ZONE

Balboa Community Health Center
Change telephone no. to: 52-3271

Margarita Community Health Center
Change telephone no. to: 43-3172

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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.

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