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WEEKLY REPORT

For Week Ending November 29, 1969

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

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EPIDEMIOLOGIC NOTES AND REPORTS

DIPHTHERIA – Miami, Dade County, Florida

Between Oct. 29 and Nov. 22, 1969, five confirmed cases (one fatal) and one probable case of diphtheria occurred among members of two families in Miami, Dade County, Florida. All five confirmed cases were in previously unimmunized children. Three had acute onset of fever, sore throat, malaise, and nonproductive cough, the fourth had nonspecific pharyngitis, and the fifth developed pharyngitis and was dead on arrival at a hospital. Three of the children who were hospitalized recovered and had no clinical residua; the other is still under treatment. All four hospitalized patients were given diphtheria antitoxin, penicillin, and diphtheria toxoid immediately after diphtheria was clinically diagnosed. Cultures for *Corynebacterium diphtheriae* were initially positive but became negative after treatment.

CONTENTS

The patient with confirmed diphtheria who is still hospitalized and the hospitalized patient with probable diphtheria are siblings of the child who died. The probable case is in his 12-year-old brother who has myocarditis as manifested by EKG abnormalities and who has a purulent skin lesion on his foot that has been present for several weeks. He has had no history of upper respiratory com-

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

DISEASE	48th WEEK ENDED		MEDIAN	CUMULATIVE, FIRST 48 WEEKS		
	November 29, 1969	November 30, 1968	1964 - 1968	1969	1968	MEDIAN 1964 - 1968
Aseptic meningitis	43	64	52	3,278	4,120	2,782
Brucellosis	2	10	7	213	217	232
Diphtheria	3	8	2	178	227	187
Encephalitis, primary:						
Arthropod-borne & unspecified	33	22	30	1,227	1,330	1,775
Encephalitis, post-infectious	5	1	8	281	440	677
Hepatitis, serum	103	93	774	4,906	4,282	34,952
Hepatitis, infectious	866	833		44,179	42,176	
Malaria	30	54	17	2,858	2,201	458
Measles (rubeola)	260	226	1,472	22,732	21,532	197,985
Meningococcal infections, total	28	38	41	2,699	2,356	2,559
Civilian	26	38	---	2,485	2,159	---
Military	2	–	---	214	197	---
Mumps	1,734	1,929	---	80,539	140,102	---
Poliomyelitis, total	–	–	2	16	57	57
Paralytic	–	–	–	15	57	57
Rubella (German measles)	375	291	---	53,015	46,991	---
Streptococcal sore throat & scarlet fever	8,490	9,225	8,873	388,908	392,730	387,090
Tetanus	1	1	6	147	153	209
Tularemia	1	1	1	135	166	168
Typhoid fever	5	8	8	309	373	382
Typhus, tick-borne (Rky. Mt. spotted fever)	2	3	2	447	276	260
Rabies in animals	56	49	69	3,076	3,138	3,931

TABLE II. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax: N.C.-1	4	Rabies in man:	1
Botulism:	12	Rubella congenital syndrome:	15
Leptospirosis: Ohio-1	81	Trichinosis: Alaska-2, NYC-1	173
Plague:	5	Typhus, murine:	47
Psittacosis: Calif.-5	46		

DIPTHERIA – *(Continued from front page)*

plaints, and cultures of the lesion and nasopharynx have been negative for *C. diphtheriae*.

The three confirmed cases who recovered were members of a family with 10 children. In addition to these three cases, five other children in the family had cultures positive for *C. diphtheriae;* they were subsequently treated with Td or DTP and penicillin and have remained asymptomatic.

The five cases, one probable case, and five children with positive cultures attended one of three schools, and each of these children had contact with at least one of the other 10 patients. Two of the schools are next to each other and the third is located within 1 mile of the others. Between November 18 and 20, a diphtheria vaccination program was carried out in these schools. More than 3,000 persons received Td or DTP inoculations. A follow-up vaccination program for booster doses is planned for February 1970. In addition, all persons in the community were urged to bring their diphtheria immunization status up to date.

The epidemiologic investigation of this outbreak is continuing.

(Reported by Milton S. Saslaw, M.D., M.P.H., Acting Director, Myriam A. Bosch, M.D., M.P.H., Epidemiologist, and Abraham Bolker, M.D., Acting Director, Division of Epidemiology, Dade County Department of Public Health; Robert Graves, Director, and Michael Kimerley, Acting Assistant Director, Miami Regional Laboratory, and E. Charlton Prather, M.D., M.P.H., Associate Director, Bureau of Preventable Diseases, Florida Division of Health; and two EIS Officers.)

HEPATITIS – Washington, D.C.

Between Sept. 13 and Nov. 4, 1969, an outbreak of viral hepatitis occurred among an interdenominational "missional" cooperative group in Washington, D.C. The group is composed of 34 persons including six families (15 adults and 19 children) who live in a multi-room dwelling. Each married couple or single adult has a separate room and the children are housed in three dormitory-style rooms. There were 19 cases of hepatitis (eight symptomatic and 11 asymptomatic).

The eight clinically ill patients had symptoms including malaise, abdominal pain, nausea, vomiting, and jaundice and liver function studies consistent with the diagnosis of viral hepatitis. These patients were a 2-year-old girl with onset on September 13, her 38-year-old mother with onset on September 24 who was subsequently hospitalized, and six other group members with onsets from October 4 to October 16.

The 11 asymptomatic cases were detected by screening tests for liver function on sera drawn from 24 of the 26 remaining group members on October 17, 22, 29, and November 4. All 11 patients had SGOT and/or SGPT elevations greater than 100 Sigma Frankel units. The two individuals who did not have liver function tests were asymptomatic infants (Table 1).

Tests for hepatitis-associated antigen* were negative in 18 of the 19 cases; the one exception was a 3-year-old Korean child with mildly elevated SGOT and a 6-month history of intermittent fevers and diarrhea.

The 19 patients' ages ranged from 2 to 39 years; the average age was 16. There were eight males and 11 females. Cases occurred in all six families, and cases in children were evenly distributed among the residents of the three dormitories. All patients had close contact with other group members on a day-to-day basis. Questioning revealed no history of raw shellfish consumption, parenteral drug abuse, transfusions, or exposure to hepatotoxins. No contacts with known hepatitis cases from outside the ecumenical unit were documented. The clustering of cases over a 7-week period suggests a common exposure; however, the communal setting and close interpersonal contacts likewise suggest a person-to-person spread. An environmental survey revealed an excellent level of sanitation. Water was supplied from municipal sources; food was prepared by individual group members. The mother of the first case prepared a meal on September 16 (8 days before her onset). The meal was served to all 34 group members; however, no likely means of contamination was uncovered. Food histories from both sick and well patients were unrevealing.

Table 1
Summary of Laboratory Data

SGOT* and/or SGPT**	Symptomatic	Asymptomatic	Totals
Significant Elevation	8	11	19
Borderline Elevation	0	4	4
Normal	0	9	9
Not Tested	0	2	2
Total	8	26	34

*SGOT values – Normal, 0 to 28 Sigma Frankel Units
Borderline, 28 to 50 Sigma Frankel Units

**SGPT values – Normal, 0 to 35 Sigma Frankel Units
Borderline, 35 to 45 Sigma Frankel Units

Gamma globulin was administered to all asymptomatic group members from October 15 to 18. No new cases have been detected by weekly liver function testing since November 4.

(Reported by William E. Long, M.D., Chief, Epidemiology Division, District of Columbia Department of Health; Lewellys F. Barker, Laboratory of Viral Immunology, Division of Biological Standards, NIH; and an EIS Officer.)

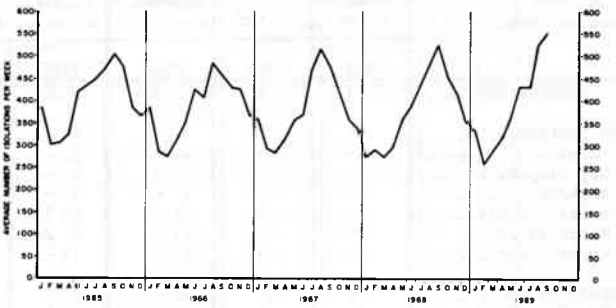
*Tested by agar gel diffusion and complement fixation techniques.

SURVEILLANCE SUMMARY
SALMONELLOSIS – July, August, and September 1969

During July, August, and September 1969, the total numbers of salmonella isolations from humans were 2,155, 2,096, and 2,198, respectively, and the weekly averages for the 3 months were 431, 524, and 550, respectively (Figure 1). For the same months 673, 721, and 855 isolations from nonhumans were reported (Table 2).

These data demonstrate essentially no change in the number of human isolations from the same period in 1968 (MMWR, Vol. 18, No. 1). However, the number of nonhuman isolates for the third quarter of 1969 decreased slightly compared with the previous year. Part of this decline appears to be the result of fewer isolations during the month of July of many serotypes from chickens, cattle, and wild animals. The reason for the decline is unclear; the reduction may well represent sampling practices rather than a true decline in the prevalence of salmonella among these animals. *(Reported by the Salmonellosis Unit, Enteric Diseases Section, Bacterial Diseases Branch, Epidemiology Program, NCDC.)*

Figure 1
REPORTED HUMAN ISOLATIONS OF SALMONELLAE
UNITED STATES – 1965-1969



Copies of the original reports from which these data were derived are available on request from

National Communicable Disease Center
Attn: Chief, Salmonellosis Unit, Epidemiology Program
Atlanta, Georgia 30333

Table 2
10 Most Frequently Reported Salmonella Serotypes from Humans and Nonhumans
July, August, and September 1969

HUMAN			NONHUMAN		
Serotype	Number	Percent	Serotype	Number	Percent
*typhimurium**	1,712	26.5	*typhimurium**	354	15.7
enteritidis	566	8.8	*cholerae-suis K*	208	9.2
newport	557	8.6	*heidelberg*	204	9.1
heidelberg	445	6.9	*anatum*	180	8.0
saint-paul	295	4.6	*montevideo*	88	3.9
infantis	284	4.4	*saint-paul*	84	3.7
thompson	258	4.0	*senftenberg*	78	3.5
javiana	177	2.7	*thompson*	74	3.3
typhi	157	2.4	*derby*	66	2.9
blockley	133	2.1	*bredeney*	49	2.2
Subtotal	4,584	71.1	Subtotal	1,385	61.6
Total all Serotypes	6,449		Total all Serotypes	2,249	

*Includes var. *copenhagen*

INTERNATIONAL NOTES
YELLOW FEVER – West and Central Africa*

From September through November 1969, yellow fever has been reported from West and Central Africa (Figure 2). Yellow fever was first reported in Ghana on September 30. The source of infection was reported to be local. Five cases and two deaths occurred in Tamale in the Western Dagomba District, Northern Region. This was the first occurrence of yellow fever reported in Ghana in nearly 6 years. In the last 10 years, yellow fever has been reported twice: in 1959, two cases and two deaths occurred in Tema, Accra; in 1963, one case and one death occurred in Kumasi District, Ashanti Region, and two cases and two deaths in the Gonja District, Northern Region.

In Nigeria, yellow fever was first reported on October 28. Through November 11, 154 cases (three confirmed) and 44 deaths were reported in the Benue Plateau, North Central and North Eastern States.

In Mali, an outbreak of yellow fever was reported on November 12 in an area about 50 km from Bamako. Two fatal cases (laboratory confirmed) and 19 suspect cases

(Continued on page 424)

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED
NOVEMBER 29, 1969 AND NOVEMBER 30, 1968 (48th WEEK)

AREA	ASEPTIC MENINGITIS	BRUCELLOSIS	DIPHTHERIA	ENCEPHALITIS			HEPATITIS			MALARIA	
				Primary including unsp. cases		Post-Infectious	Serum	Infectious			
	1969	1969	1969	1969	1968	1969	1969	1969	1968	1969	Cum. 1969
UNITED STATES...	43	2	3	33	22	5	103	866	833	30	2,858
NEW ENGLAND.....	–	–	–	3	5	–	4	90	65	1	93
Maine.....	–	–	–	–	–	–	–	10	8	–	7
New Hampshire.....	–	–	–	–	–	–	–	3	2	–	2
Vermont.....	–	–	–	–	–	–	–	2	–	–	–
Massachusetts.....	–	–	–	1	2	–	1	47	34	1	58
Rhode Island.....	–	–	–	2	1	–	–	16	8	–	10
Connecticut.....	–	–	–	–	2	–	3	12	13	–	16
MIDDLE ATLANTIC.....	4	1	–	1	–	1	44	156	144	4	335
New York City.....	1	–	–	1	–	–	24	41	64	–	22
New York, up-State.	2	1	–	–	–	–	10	52	27	1	75
New Jersey.....	–	–	–	–	–	–	10	36	12	–	130
Pennsylvania.....	1	–	–	–	–	1	–	27	41	3	108
EAST NORTH CENTRAL...	9	–	–	15	7	–	8	178	142	6	291
Ohio.....	–	–	–	12	4	–	–	45	61	3	28
Indiana.....	–	–	–	1	–	–	–	21	8	–	26
Illinois.....	2	–	–	–	–	–	–	23	18	3	173
Michigan.....	5	–	–	2	2	–	8	80	46	–	63
Wisconsin.....	2	–	–	–	1	–	–	9	9	–	1
WEST NORTH CENTRAL...	4	1	–	3	1	–	–	28	25	9	208
Minnesota.*	4	–	–	1	–	–	–	9	15	–	14
Iowa.*	–	–	–	2	1	–	–	4	4	–	23
Missouri.....	–	–	–	–	–	–	–	14	1	3	45
North Dakota.....	–	–	–	–	–	–	–	–	–	1	4
South Dakota.....	–	–	–	–	–	–	–	–	–	–	1
Nebraska.*	–	1	–	–	–	–	–	–	3	–	4
Kansas.....	–	–	–	–	–	–	–	1	2	5	117
SOUTH ATLANTIC.....	3	–	–	3	–	–	8	76	88	2	731
Delaware.....	–	–	–	1	–	–	–	3	1	1	5
Maryland.....	2	–	–	–	–	–	2	17	15	–	33
Dist. of Columbia..	–	–	–	–	–	–	–	–	–	–	2
Virginia.....	–	–	–	–	–	–	–	7	14	–	27
West Virginia.....	–	–	–	–	–	–	–	8	7	–	3
North Carolina.....	–	–	–	–	–	–	–	8	7	–	285
South Carolina.....	–	–	–	–	–	–	–	3	7	–	62
Georgia.....	–	–	–	–	–	–	–	17	17	–	264
Florida.....	1	–	–	2	–	–	6	13	20	1	50
EAST SOUTH CENTRAL...	1	–	–	–	–	–	2	45	51	–	158
Kentucky.....	1	–	–	–	–	–	–	14	29	–	129
Tennessee.....	–	–	–	–	–	–	1	27	12	–	–
Alabama.....	–	–	–	–	–	–	1	3	6	–	25
Mississippi.....	–	–	–	–	–	–	–	1	4	–	4
WEST SOUTH CENTRAL...	1	–	3	3	2	1	2	48	32	2	236
Arkansas.....	–	–	–	1	–	–	–	4	–	–	13
Louisiana.†	–	–	3	–	–	1	–	7	7	–	46
Oklahoma.....	1	–	–	2	1	–	–	1	1	1	75
Texas.†	–	–	–	–	1	–	2	36	24	1	102
MOUNTAIN.....	2	–	–	1	1	–	–	33	53	–	137
Montana.....	2	–	–	1	–	–	–	–	1	–	3
Idaho.....	–	–	–	–	–	–	–	–	1	–	5
Wyoming.....	–	–	–	–	–	–	–	–	1	–	–
Colorado.....	–	–	–	–	–	–	–	21	25	–	112
New Mexico.....	–	–	–	–	–	–	–	5	14	–	9
Arizona.....	–	–	–	–	–	–	–	4	3	–	1
Utah.....	–	–	–	–	1	–	–	3	8	–	1
Nevada.....	–	–	–	–	–	–	–	–	–	–	6
PACIFIC.....	19	–	–	4	6	3	35	212	233	6	669
Washington.....	3	–	–	–	1	–	1	30	17	–	7
Oregon.....	1	–	–	–	–	–	2	13	20	–	16
California.....	15	–	–	4	5	3	32	161	192	6	522
Alaska.....	–	–	–	–	–	–	–	1	–	–	3
Hawaii.....	–	–	–	–	–	–	–	7	4	–	121
Puerto Rico.*	–	–	–	–	–	–	2	17	46	–	4

*Delayed reports: Aseptic meningitis: Minn. 2, Iowa 1
Diphtheria: Tex. delete 1
Encephalitis, primary: Minn. 7, Iowa 4
Hepatitis, infectious: Nebr. 1, La. 10, P.R. 7
Malaria: Iowa 2

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

NOVEMBER 29, 1969 AND NOVEMBER 3, 1968 (48th WEEK) - CONTINUED

AREA	MEASLES (Rubeola)			MENINGOCOCCAL INFECTIONS, TOTAL			MUMPS	POLIOMYELITIS			RUBELLA
		Cumulative			Cumulative			Total	Paralytic		
	1969	1969	1968	1969	1969	1968	1969	1969	1969	Cum. 1969	1969
UNITED STATES...	260	22,732	21,532	28	2,699	2,356	1,734	–	–	15	375
NEW ENGLAND.....	5	1,171	1,241	1	107	137	263	–	–	2	24
Maine.....	–	9	38	1	8	6	24	–	–	1	2
New Hampshire.....	–	244	141	–	4	8	29	–	–	–	2
Vermont.....	–	3	3	–	–	1	1	–	–	–	2
Massachusetts*.....	2	243	375	–	41	72	75	–	–	–	7
Rhode Island.....	–	27	39	–	14	9	19	–	–	–	2
Connecticut.....	3	645	645	–	40	41	115	–	–	1	9
MIDDLE ATLANTIC.....	34	7,801	4,548	6	450	419	74	–	–	2	27
New York City.....	5	4,999	2,342	1	86	86	57	–	–	–	9
New York, Up-State.	1	616	1,353	2	88	72	NN	–	–	1	14
New Jersey.....	17	1,035	688	3	174	142	17	–	–	–	1
Pennsylvania.....	11	1,151	165	–	102	119	NN	–	–	1	3
EAST NORTH CENTRAL...	49	2,684	4,082	3	369	294	431	–	–	1	79
Ohio.....	12	492	320	2	136	82	55	–	–	–	6
Indiana.....	–	478	709	–	48	40	30	–	–	–	2
Illinois.....	22	708	1,410	–	52	64	48	–	–	1	7
Michigan.....	8	360	317	1	106	88	81	–	–	–	30
Wisconsin.....	7	646	1,326	–	27	20	217	–	–	–	34
WEST NORTH CENTRAL...	–	959	410	4	135	126	114	–	–	1	36
Minnesota*.....	–	9	19	–	29	29	36	–	–	–	7
Iowa.....	–	337	108	1	21	10	58	–	–	–	20
Missouri.....	–	31	81	3	56	41	8	–	–	–	5
North Dakota.....	–	44	138	–	2	4	8	–	–	–	–
South Dakota.....	–	3	4	–	1	5	NN	–	–	–	–
Nebraska.....	–	527	50	–	10	9	1	–	–	–	–
Kansas.....	–	8	10	–	16	28	3	–	–	1	4
SOUTH ATLANTIC.....	78	2,747	1,724	4	471	474	229	–	–	1	27
Delaware.....	39	442	18	4	17	12	5	–	–	–	1
Maryland.....	7	88	103	–	41	40	8	–	–	–	1
Dist. of Columbia..	–	32	6	–	9	17	1	–	–	–	–
Virginia.....	16	928	396	–	57	44	107	–	–	–	10
West Virginia.....	–	221	312	–	24	13	63	–	–	–	11
North Carolina.....	12	342	317	–	87	94	NN	–	–	–	–
South Carolina.....	2	134	24	–	59	61	5	–	–	–	–
Georgia.....	–	2	4	–	77	93	–	–	–	–	–
Florida.....	2	558	544	–	100	100	40	–	–	1	4
EAST SOUTH CENTRAL...	4	122	503	1	172	209	120	–	–	1	16
Kentucky.....	–	68	103	–	55	94	26	–	–	–	1
Tennessee.....	–	20	64	1	71	64	88	–	–	–	14
Alabama.....	4	10	95	–	27	27	6	–	–	1	1
Mississippi.....	–	24	241	–	19	24	–	–	–	–	–
WEST SOUTH CENTRAL...	67	4,998	5,155	2	356	336	170	–	–	6	42
Arkansas.....	–	16	2	–	32	20	–	–	–	–	–
Louisiana.....	–	125	25	1	98	94	–	–	–	–	–
Oklahoma.....	–	142	128	–	36	55	43	–	–	–	9
Texas.....	67	4,715	5,000	1	190	167	127	–	–	6	33
MOUNTAIN.....	4	1,076	1,058	2	58	43	59	–	–	–	24
Montana.....	–	92	58	–	8	6	7	–	–	–	5
Idaho.....	–	90	21	–	13	11	8	–	–	–	1
Wyoming*.....	–	–	54	–	–	3	–	–	–	–	–
Colorado.....	–	141	521	2	12	13	8	–	–	–	3
New Mexico.....	–	279	143	–	8	1	7	–	–	–	–
Arizona*.....	4	462	233	–	10	5	20	–	–	–	10
Utah.....	–	11	21	–	5	1	9	–	–	–	5
Nevada.....	–	1	7	–	2	3	–	–	–	–	–
PACIFIC.....	19	1,174	2,811	5	581	318	274	–	–	1	100
Washington.....	–	67	588	–	57	50	94	–	–	–	51
Oregon.....	–	200	577	–	20	25	11	–	–	–	2
California.....	19	849	1,600	5	483	225	126	–	–	1	37
Alaska.....	–	13	11	–	11	4	27	–	–	–	6
Hawaii.....	–	45	35	–	10	14	16	–	–	–	4
Puerto Rico.....	45	1,937	488	–	19	20	11	–	–	–	–

*Delayed reports: Measles: Mass. delete 2, Minn. delete 8
Rubella: Tenn. delete 60, Wyo. 5, Ariz. delete 11

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

NOVEMBER 29, 1969 AND NOVEMBER 30, 1968 (48th WEEK) - CONTINUED

AREA	STREPTOCOCCAL SORE THROAT & SCARLET FEVER	TETANUS		TULAREMIA		TYPHOID FEVER		TYPHUS FEVER TICK-BORNE (Rky. Mt. Spotted)		RABIES IN ANIMALS	
	1969	1969	Cum. 1969	1969	Cum. 1969	1969	Cum. 1969	1969	Cum. 1969	1969	Cum. 1969
UNITED STATES...	8,490	1	147	1	135	5	309	2	447	56	3,076
NEW ENGLAND.....	1,261	–	1	–	16	–	16	–	1	1	54
Maine.....	11	–	–	–	–	–	1	–	–	–	6
New Hampshire.....	30	–	–	–	–	–	–	–	–	–	5
Vermont.....	31	–	–	–	16	–	–	–	–	1	32
Massachusetts.....	198	–	1	–	–	–	8	–	1	–	3
Rhode Island.....	68	–	–	–	–	–	1	–	–	–	–
Connecticut.....	923	–	–	–	–	–	6	–	–	–	8
MIDDLE ATLANTIC.....	367	–	19	–	5	–	31	1	47	5	227
New York City.....	24	–	11	–	1	–	17	–	–	–	–
New York, Up-State.	340	–	3	–	4	–	6	–	7	5	213
New Jersey.....	NN	–	3	–	–	–	3	–	15	–	–
Pennsylvania.....	3	–	2	–	–	–	5	1	25	–	14
EAST NORTH CENTRAL...	364	–	19	1	17	–	35	–	3	6	225
Ohio.....	47	–	4	–	–	–	12	–	–	2	74
Indiana.....	108	–	–	–	5	–	–	–	–	1	54
Illinois.....	96	–	10	1	5	–	16	–	3	2	39
Michigan.....	–	–	5	–	–	–	6	–	–	1	9
Wisconsin.....	113	–	–	–	7	–	1	–	–	–	49
WEST NORTH CENTRAL...	341	–	12	–	14	–	10	–	8	10	578
Minnesota.*	23	–	4	–	–	–	4	–	–	1	154
Iowa.....	123	–	–	–	–	–	1	–	7	2	91
Missouri.....	20	–	4	–	10	–	3	–	–	4	137
North Dakota.....	80	–	–	–	–	–	–	–	–	2	71
South Dakota.....	17	–	–	–	–	–	–	–	1	–	43
Nebraska.....	72	–	–	–	1	–	1	–	–	–	14
Kansas.....	6	–	4	–	3	–	1	–	–	1	68
SOUTH ATLANTIC.....	1,010	–	28	–	23	3	50	1	252	14	728
Delaware.....	19	–	–	–	1	–	2	–	3	–	–
Maryland.....	99	–	1	–	–	–	4	–	48	–	3
Dist. of Columbia..	3	–	2	–	–	1	3	–	–	–	–
Virginia.....	206	–	1	–	4	–	1	–	81	8	359
West Virginia.....	276	–	1	–	2	–	2	–	5	3	106
North Carolina.....	NN	–	3	–	6	2	11	–	66	–	5
South Carolina.....	134	–	1	–	2	–	1	–	32	–	–
Georgia.....	8	–	7	–	4	–	11	1	16	2	89
Florida.....	265	–	12	–	4	–	15	–	1	1	166
EAST SOUTH CENTRAL...	1,344	–	22	–	14	–	46	–	65	3	386
Kentucky.....	136	–	7	–	–	–	8	–	13	2	198
Tennessee.....	896	–	4	–	13	–	20	–	43	1	130
Alabama.....	192	–	6	–	–	–	4	–	6	–	52
Mississippi.....	120	–	5	–	1	–	14	–	3	–	6
WEST SOUTH CENTRAL...	647	1	28	–	23	1	33	–	49	10	447
Arkansas.....	10	–	2	–	5	–	13	–	7	–	30
Louisiana.....	2	–	7	–	4	1	4	–	–	2	39
Oklahoma.....	6	–	1	–	8	–	–	–	30	1	68
Texas.....	629	1	18	–	6	–	16	–	12	7	310
MOUNTAIN.....	2,158	–	6	–	18	1	30	–	17	–	118
Montana.....	48	–	1	–	–	1	3	–	–	–	–
Idaho.....	310	–	–	–	–	–	4	–	6	–	–
Wyoming.*	268	–	–	–	4	–	5	–	–	–	55
Colorado.....	1,154	–	2	–	–	–	3	–	9	–	3
New Mexico.....	174	–	–	–	1	–	8	–	–	–	17
Arizona.....	118	–	3	–	–	–	6	–	–	–	22
Utah.....	86	–	–	–	13	–	–	–	2	–	5
Nevada.....	–	–	–	–	–	–	1	–	–	–	16
PACIFIC.....	998	–	12	–	5	–	58	–	5	7	313
Washington.....	714	–	1	–	2	–	2	–	3	–	4
Oregon.....	170	–	–	–	1	–	6	–	–	–	4
California.....	---	–	11	–	2	–	44	–	2	7	305
Alaska.....	51	–	–	–	–	–	–	–	–	–	–
Hawaii.....	63	–	–	–	–	–	6	–	–	–	–
Puerto Rico.....	1	–	12	–	–	–	7	–	–	1	29

*Delayed reports: SST: Wyo. 28
Tetanus: Minn. 1

Week No. 48

TABLE IV. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED NOVEMBER 29, 1969

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

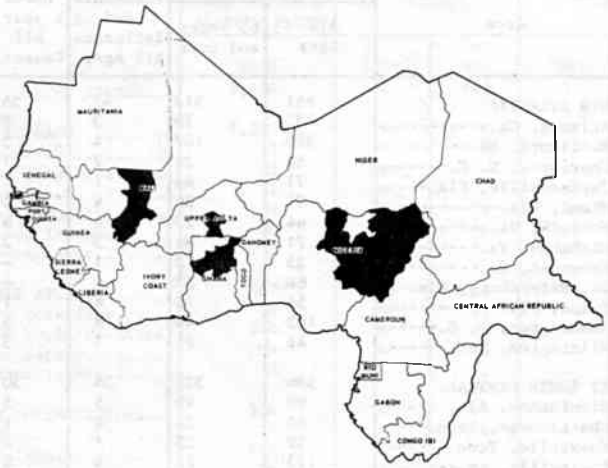
Area	All Causes		Pneumonia and Influenza All Ages	Under 1 year All Causes
	All Ages	65 years and over		
NEW ENGLAND:	702	424	43	42
Boston, Mass.	226	139	14	14
Bridgeport, Conn.	38	26	3	2
Cambridge, Mass.	17	15	4	–
Fall River, Mass.	18	12	1	2
Hartford, Conn.	62	30	3	8
Lowell, Mass.	30	17	1	–
Lynn, Mass.	24	17	3	–
New Bedford, Mass.	25	21	1	2
New Haven, Conn.	60	33	–	3
Providence, R. I.	52	33	3	1
Somerville, Mass.	13	11	1	–
Springfield, Mass.	57	29	4	6
Waterbury, Conn.	22	6	–	4
Worcester, Mass.	58	35	5	–
MIDDLE ATLANTIC:	2,919	1,790	132	90
Albany, N. Y.	43	24	1	2
Allentown, Pa.	33	24	3	–
Buffalo, N. Y.	133	82	4	1
Camden, N. J.	31	16	4	2
Elizabeth, N. J.	19	11	1	1
Erie, Pa.	50	33	8	–
Jersey City, N. J.	53	32	3	4
Newark, N. J.	54	25	1	2
New York City, N. Y.	1,580	990	64	51
Paterson, N. J.	24	12	–	2
Philadelphia, Pa.	403	239	6	12
Pittsburgh, Pa.	105	59	9	2
Reading, Pa.	54	36	6	3
Rochester, N. Y.	110	72	6	5
Schenectady, N. Y.	24	15	2	–
Scranton, Pa.	33	21	1	–
Syracuse, N. Y.	84	46	5	2
Trenton, N. J.	30	15	3	–
Utica, N. Y.	15	10	2	–
Yonkers, N. Y.	41	28	3	1
EAST NORTH CENTRAL:	2,366	1,306	71	106
Akron, Ohio	61	32	–	4
Canton, Ohio	50	35	1	2
Chicago, Ill.	697	363	17	25
Cincinnati, Ohio	160	93	3	5
Cleveland, Ohio	193	87	2	14
Columbus, Ohio	92	53	4	5
Dayton, Ohio	76	46	2	3
Detroit, Mich.	328	175	5	16
Evansville, Ind.	38	23	2	–
Flint, Mich.	36	15	4	3
Fort Wayne, Ind.	31	21	6	1
Gary, Ind.	25	11	1	2
Grand Rapids, Mich.	58	37	5	4
Indianapolis, Ind.	159	96	5	5
Madison, Wis.	25	13	1	–
Milwaukee, Wis.	97	63	–	3
Peoria, Ill.	29	13	2	3
Rockford, Ill.	40	28	5	4
South Bend, Ind.	24	11	1	2
Toledo, Ohio	97	61	5	5
Youngstown, Ohio	50	30	–	–
WEST NORTH CENTRAL:	753	469	30	38
Des Moines, Iowa	43	25	4	3
Duluth, Minn.	22	16	3	–
Kansas City, Kans.	28	13	2	2
Kansas City, Mo.	125	67	4	8
Lincoln, Nebr.	23	18	–	–
Minneapolis, Minn.	131	75	1	10
Omaha, Nebr.	66	36	1	5
St. Louis, Mo.	199	140	10	4
St. Paul, Minn.	68	49	1	4
Wichita, Kans.	48	30	4	2
Las Vegas, Nev.*	15	10	3	1

Area	All Causes		Pneumonia and Influenza All Ages	Under 1 year All Causes
	All Ages	65 years and over		
SOUTH ATLANTIC:	941	513	45	36
Atlanta, Ga.	132	70	3	9
Baltimore, Md.	200	107	4	5
Charlotte, N. C.	46	21	2	1
Jacksonville, Fla.	71	44	1	1
Miami, Fla.	81	36	4	3
Norfolk, Va.	44	23	4	6
Richmond, Va.	71	46	3	2
Savannah, Ga.	25	8	1	–
St. Petersburg, Fla.	66	53	6	–
Tampa, Fla.	54	36	8	1
Washington, D. C.	103	48	8	5
Wilmington, Del.	48	21	1	3
EAST SOUTH CENTRAL:	580	322	24	30
Birmingham, Ala.	90	49	5	5
Chattanooga, Tenn.	40	24	4	1
Knoxville, Tenn.	39	25	1	–
Louisville, Ky.	133	73	8	4
Memphis, Tenn.	148	74	1	10
Mobile, Ala.	37	26	2	2
Montgomery, Ala.	21	10	1	2
Nashville, Tenn.	72	41	2	6
WEST SOUTH CENTRAL:	967	506	37	55
Austin, Tex.	27	11	5	1
Baton Rouge, La.	21	11	4	–
Corpus Christi, Tex.	25	13	–	2
Dallas, Tex.	179	98	6	9
El Paso, Tex.	23	13	3	–
Fort Worth, Tex.	95	53	2	12
Houston, Tex.	154	77	2	3
Little Rock, Ark.	38	19	–	–
New Orleans, La.	163	75	4	12
Oklahoma City, Okla.	55	31	2	3
San Antonio, Tex.	72	43	4	5
Shreveport, La.	64	35	4	6
Tulsa, Okla.	51	27	1	2
MOUNTAIN:	406	240	15	24
Albuquerque, N. Mex.	29	15	3	1
Colorado Springs, Colo.	25	15	3	1
Denver, Colo.	102	53	4	6
Ogden, Utah	15	8	1	–
Phoenix, Ariz.	100	66	–	5
Pueblo, Colo.	30	18	2	1
Salt Lake City, Utah	59	38	–	4
Tucson, Ariz.	46	27	2	6
PACIFIC:	1,444	831	26	69
Berkeley, Calif.	23	12	1	1
Fresno, Calif.	57	28	4	6
Glendale, Calif.	17	11	–	1
Honolulu, Hawaii	50	19	–	5
Long Beach, Calif.	90	58	–	–
Los Angeles, Calif.	339	197	8	16
Oakland, Calif.	102	61	2	6
Pasadena, Calif.	37	26	1	–
Portland, Oreg.	123	75	2	4
Sacramento, Calif.	43	23	1	2
San Diego, Calif.	95	50	2	9
San Francisco, Calif.	178	100	–	7
San Jose, Calif.	68	40	1	2
Seattle, Wash.	134	75	3	6
Spokane, Wash.	57	36	1	2
Tacoma, Wash.	31	20	–	2
Total	11,078	6,401	423	490
Expected Number	12,891	7,488	457	538
Cumulative Total (includes reported corrections for previous weeks)	619,828	354,369	27,627	29,420

*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.

YELLOW FEVER – *(Continued from page 419)*

Figure 2
COUNTRIES REPORTING YELLOW FEVER
WEST AND CENTRAL AFRICA
SEPTEMBER–NOVEMBER 1969



with 10 deaths have been reported. This is the first report of yellow fever from Mali since 1948 when one fatal case was recorded.

In Togo, a fatal case of suspect yellow fever was reported on November 13 from a village in the *Circonscription* of Dapango *(Région des Savanes)*. This area is adjacent to Upper Volta where yellow fever was reported in the beginning of November.

*Source: *World Health Organization Weekly Epidemiological Record 44*(41, 47, and 48):578, 637, and 650. Oct. 10, and Nov. 21 and 28, 1969.

EPIDEMIOLOGIC NOTES AND REPORTS

FOLLOW-UP FEBRILE RESPIRATORY ILLNESS
Anchorage, Alaska

Isolates obtained from the outbreak of febrile respiratory illness which occurred in November in a children's home in Anchorage (MMWR, Vol. 18, No. 47) have been identified as influenza A2 (Hong Kong-like) strains.

(Reported by Donald K. Freedman, M.D., Director, Division of Public Health, Alaska Department of Health and Welfare; David R. L. Duncan, M.D., Health Officer, Greater Anchorage Area Borough; Arctic Health Research Center, Environmental Control Administration, CPEHS, USDHEW, College, Alaska.)

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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.

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