



Morbidity and Mortality

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

DATE OF RELEASE: NOVEMBER 14, 1969 - ATLANTA, GEORGIA 30333

EPIDEMIOLOGIC NOTES AND REPORTS
PLAGUE - New Mexico

On Nov. 3, 1969, plague was confirmed in a 15-year-old boy, a resident of Sandia Park, New Mexico, located about 10 miles north of Albuquerque. On October 27, the boy had onset of headache and abdominal pain, followed the next day by nausea, vomiting, and generalized arthralgia. On October 29, he was hospitalized with chills, temperature of 105°F., and dehydration and was treated with intravenous fluids. The next day, he was first noted to have tender erythematous swelling in his right groin and was treated with ampicillin intravenously. By October 31, the mass in the right groin was larger and a tender mass was noted in the right lower quadrant which was associated with rebound tenderness, guarding, and hypoactive bowel sounds.

Because of a presumptive diagnosis of appendicitis with abscess formation, the patient underwent exploratory

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laparotomy. At operation, the appendix and small bowel were normal, but there was massive iliac adenopathy with extensive inflammation and necrosis. An iliac node was excised and the wound closed.

Microscopic examination of a frozen section of the excised node showed inflammatory changes and gram-negative bacteria. A presumptive diagnosis of plague was made. Ampicillin was discontinued, and parenteral tetracycline and streptomycin were begun. By November 1, the patient was much improved.

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

DISEASE	45th WEEK ENDED		MEDIAN 1964 - 1968	CUMULATIVE, FIRST 45 WEEKS		
	November 8, 1969	November 9, 1968		1969	1968	MEDIAN 1964 - 1968
Aseptic meningitis	94	73	56	3,068	3,890	2,622
Brucellosis	5	4	3	204	196	216
Diphtheria	7	16	5	155	206	171
Encephalitis, primary:						
Arthropod-borne & unspecified	33	22	25	1,128	1,249	1,689
Encephalitis, post-infectious	1	3	3	272	422	652
Hepatitis, serum	126	86	672	4,591	3,960	33,084
Hepatitis, infectious	1,112	884		41,090	39,266	
Malaria	47	27	11	2,680	2,038	417
Measles (rubeola)	284	222	830	21,838	20,813	194,397
Meningococcal infections, total	29	33	42	2,594	2,251	2,408
Civilian	27	30	---	2,385	2,060	---
Military	2	3	---	209	191	---
Mumps	1,386	1,683	---	75,276	134,084	---
Poliomyelitis, total	---	---	3	16	54	54
Paralytic	---	---	1	15	54	54
Rubella (German measles)	425	317	---	51,766	46,086	---
Streptococcal sore throat & scarlet fever	7,566	8,488	7,301	361,015	363,582	361,245
Tetanus	7	3	4	140	150	194
Tularemia	---	1	2	127	159	159
Typhoid fever	12	10	6	289	348	364
Typhus, tick-borne (Rky. Mt. spotted fever)	3	1	1	437	269	252
Rabies in animals	44	57	57	2,919	2,994	3,772

TABLE II. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	3	Rabies in man:	1
Botulism:	12	Rubella congenital syndrome:	9
Leptospirosis: * Ill.-1, La.-1	72	Trichinosis:	170
Plague:	5	Typhus, murine:	47
Psittacosis: Fla.-1, Mich.-1	89		

*Delayed reports: Leptospirosis: Iowa 1

SURVEILLANCE SUMMARY
VIRAL HEPATITIS - United States, Epidemiologic Year 1968-69

Spring Quarter Epidemiologic Year 1968-69

In the United States during the spring quarter of epidemiologic year* 1968-69 (March 30, 1969 - June 28, 1969), 13,026 cases of viral hepatitis were reported for a rate of 6.5 cases per 100,000 population. This is a 5 percent increase over the rate of 6.2 (12,225 cases) reported in the spring quarter of epidemiologic year 1967-68 (Table 1). Six of the nine geographic divisions had rate increases in 1969; these ranged from 2 percent in the East North Central Division to 126 percent in the New England Division. Massachusetts and Rhode Island with rate increases of greater than 100 percent accounted for the major part of the increase in the New England Division. Other states which also had rate increases of greater than 100 percent were New Hampshire and Vermont in the New England Division, South Dakota in the West North Central Division, South Carolina in the South Atlantic Division, and Nevada in the Mountain Division.

Rate decreases were reported in the West North Central, West South Central, and Pacific Divisions. California, which in previous quarters has shown increases in rate, experienced a 16 percent decrease in rate compared with the previous spring quarter.

Reported cases of serum hepatitis increased by 15 percent and cases of infectious hepatitis by 6 percent over the previous spring quarter. All divisions experienced increases in reported serum hepatitis cases except the Pacific Division, which had a decrease, primarily reflecting the large decrease in reported cases from California. Five of the eight divisions with increases in reported serum hepatitis cases had increases greater than 100 percent. The greatest increase occurred in the Middle Atlantic Division, largely due to increases from New York City and New Jersey.

Annual Summary Epidemiologic Year 1968-69

Data for epidemiologic years 1967-68 and 1968-69 are presented in Table 2 and Figure 1. A total of 52,587 cases of viral hepatitis were reported in EY 1968-69. The number of reported cases of viral hepatitis per 100,000 population for the United States increased from 22.3 cases in 1967-68 to 26.2 in 1968-69. This overall increase in rate for the United States incorporates rate increases from seven geographic divisions and rate decreases from two divisions (West North Central and West South Central). Four geographic divisions (New England, Middle Atlantic, Mountain, and Pacific) experienced increases in rate greater than that for the United States as a whole. The largest increase in rate (14.4) occurred in the New England Division where reported viral hepatitis cases for 1968-69 increased by 1,674 cases (94.6 percent) over 1967-68. The West South Central Division recorded the largest decrease in rate (2.1).

Figure 2 depicts the cyclic variation in incidence of reported viral hepatitis cases in the United States by 4-week periods since July 1952. The progressive increase in annual incidence observed since epidemiologic year 1967 continued through epidemiologic year 1969.

*Hepatitis data are summarized in terms of an "epidemiologic year" beginning with the 27th week of the calendar year.

Table 2
Reported Cases and Incidence of Viral Hepatitis
EY 1967-68 and 1968-69

State	1967-68		1968-69		Change in Rate
	Cases	Rate*	Cases	Rate*	
United States	44,261	22.3	52,587	26.2	+3.9
New England	1,769	15.5	3,443	29.9	+14.4
Maine	117	12.0	251	25.8	+13.8
New Hampshire	37	5.3	121	17.1	+11.8
Vermont	11	2.6	119	27.9	+25.3
Massachusetts	744	13.6	1,518	27.7	+14.1
Rhode Island	275	30.3	698	75.9	+45.6
Connecticut	585	19.9	736	24.7	+4.8
Middle Atlantic	7,461	20.3	9,741	26.3	+6.0
New York City	2,804	35.5	4,074	51.4	+15.9
Upstate New York	1,376	13.6	1,537	15.1	+1.5
New Jersey	1,657	23.5	1,928	27.0	+3.5
Pennsylvania	1,624	13.9	2,202	18.7	+4.8
East North Central	6,631	16.8	7,665	19.3	+2.5
Ohio	1,880	17.8	1,991	18.7	+0.9
Indiana	506	10.0	545	10.7	+0.7
Illinois	1,880	17.2	1,790	16.2	-1.0
Michigan	1,893	21.8	2,858	32.5	+10.7
Wisconsin	472	11.2	481	11.4	+0.2
West North Central	2,567	16.0	2,392	14.9	-1.1
Minnesota	610	16.8	676	18.5	+1.7
Iowa	475	17.1	390	14.1	-3.0
Missouri	976	21.2	685	14.8	-6.4
North Dakota	70	11.1	51	8.2	-2.9
South Dakota	27	4.1	127	19.5	+15.4
Nebraska	83	5.8	95	6.6	+0.8
Kansas	326	14.3	368	16.0	+1.7
South Atlantic	4,168	14.0	5,257	17.4	+3.4
Delaware	165	31.2	104	19.3	-11.9
Maryland	800	21.5	815	21.5	0.0
District of Columbia	71	8.8	69	8.5	-0.3
Virginia	561	12.3	576	12.5	+0.2
West Virginia	348	19.3	331	18.4	-0.9
North Carolina	313	6.1	516	10.0	+3.9
South Carolina	96	3.6	305	11.4	+7.8
Georgia	998	22.0	937	20.3	-1.7
Florida	816	13.4	1,604	25.8	+12.4
East South Central	2,913	22.3	3,015	22.9	+0.6
Kentucky	1,185	36.9	1,153	35.7	-1.2
Tennessee	953	24.1	1,045	26.2	+2.1
Alabama	286	8.1	413	11.6	+3.5
Mississippi	489	20.9	404	17.2	-3.7
West South Central	3,999	20.9	3,626	18.8	-2.1
Arkansas	282	14.2	199	10.0	-4.2
Louisiana	737	20.0	824	21.9	+1.9
Oklahoma	513	20.4	327	13.0	-7.4
Texas	2,467	22.6	2,276	20.6	-2.0
Mountain	1,929	24.5	2,278	28.6	+4.2
Montana	271	38.9	212	30.7	-8.2
Idaho	107	15.2	122	17.3	+2.1
Wyoming	32	10.1	50	16.0	+5.9
Colorado	536	26.4	724	35.2	+8.8
New Mexico	335	33.4	288	28.6	-4.8
Arizona	422	25.6	483	28.8	+3.2
Utah	206	20.0	327	31.4	+11.4
Nevada	29	4.5	72	15.8	+11.3
Pacific	12,824	50.4	15,170	58.7	+8.3
Washington	957	29.5	1,353	40.9	+11.4
Oregon	811	40.7	908	44.9	+4.2
California	10,924	57.1	12,676	65.2	+8.1
Alaska	50	18.4	95	34.4	+16.0
Hawaii	82	10.6	138	17.5	+6.9

*Based on January 1 population estimates (average of U.S. Bureau of the Census mid-year estimates.)

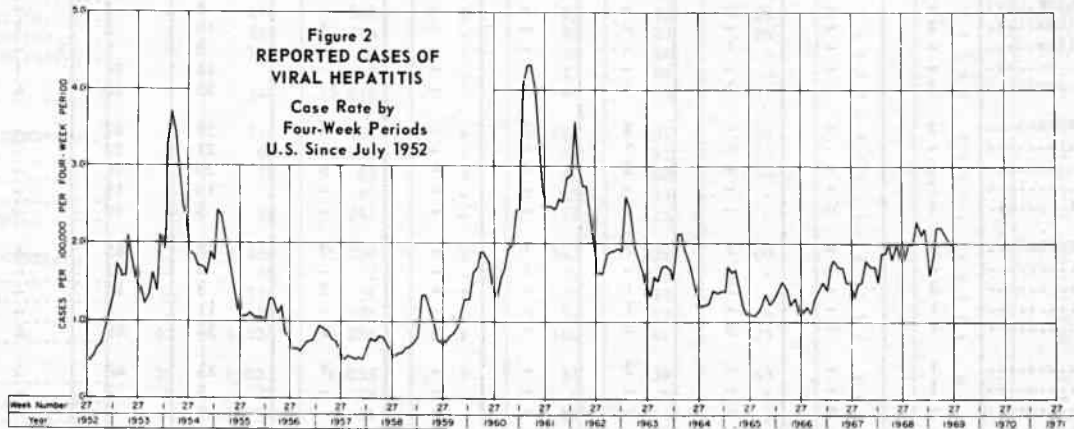
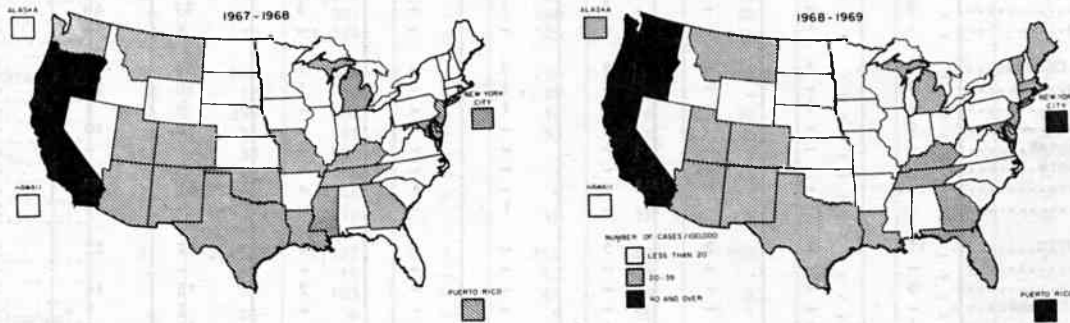
(Reported by the Hepatitis Section, Viral Diseases Branch, Epidemiology Program, NCDC.)

Table 1
Reported Cases and Incidence of Viral Hepatitis by Geographic Divisions
Spring Quarters EY 1967-68 and 1968-69

Division	Spring Quarter March 31, 1968-June 29, 1968				Spring Quarter March 30, 1969-June 28, 1969				Change from Spring Quarter EY 1968 to Spring Quarter EY 1969	
	Cases			Rate*	Cases			Rate**	Cases	Percent Change in Rate
	Infectious	Serum	Total		Infectious	Serum	Total			
United States	11,088	1,137	12,225	6.2	11,721	1,305	13,026	6.5	+801	+5
New England	411	35	446	3.9	920	87	1,007	8.8	+561	+126
Middle Atlantic	1,741	342	2,083	5.7	2,015	467	2,482	6.7	+399	+18
East North Central	1,829	49	1,878	4.8	1,838	116	1,954	4.9	+76	+2
West North Central	717	5	722	4.5	534	16	550	3.4	-172	-24
South Atlantic	1,001	45	1,046	3.5	1,233	81	1,314	4.4	+268	+26
East South Central	634	4	638	4.9	725	12	737	5.6	+99	+14
West South Central	957	17	974	5.1	916	28	944	4.9	-30	-4
Mountain	577	13	590	7.5	591	26	617	7.8	+27	+4
Pacific	3,221	627	3,848	15.3	2,949	472	3,421	13.3	-427	+13

*Based on U.S. Bureau of the Census Population Estimates July 1, 1967. Series P. 25
**Based on U.S. Bureau of the Census Population Estimates July 1, 1968. Series P. 25

Figure 1
NUMBER OF REPORTED CASES OF VIRAL HEPATITIS PER 100,000 POPULATION BY STATE
EPIDEMIOLOGIC YEARS 1967-68 AND 1968-69



PLAGUE - (Continued from front page)

Gram-negative bipolar staining organisms were isolated from three blood cultures obtained early in the hospitalization. These were submitted to the state laboratory, where on November 3 they were confirmed as *Pasteurella pestis* by phage typing and guinea pig inoculation.

The boy had no known contact with wild animals, but did have contact with three family cats, one dog, and several horses, all of which remain well. The boy's family also re-

mains well. The epidemiologic investigation is continuing. (Reported by Bruce Storrs, M.D., Director, Division of Medical Services, Daniel Johnson, Ph.D., the Public Health Laboratory, and Bryan Miller, Chief, and Neil Weber, Mammalogist, General Sanitation Section, New Mexico State Department of Public Health; U. Hodgins, M.D., David Post, M.D., and Ole Peloso, M.D., Physicians, Albuquerque; and an EIS Officer.)

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TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

NOVEMBER 8, 1969 AND NOVEMBER 9, 1968 (45th WEEK)

AREA	ASEPTIC MENIN- GITIS	BRUCEL- LOSIS	DIPHTHERIA	ENCEPHALITIS			HEPATITIS			MALARIA		
				Primary including unsp. cases		Post- Infectious	Serum	Infectious		1969	Cum. 1969	
				1969	1968	1969	1969	1969	1968			
UNITED STATES...	94	5	7	33	22	1	126	1,112	884	47	2,680	
NEW ENGLAND.....	8	-	-	2	1	-	5	134	34	7	89	
Maine.....	-	-	-	-	-	-	-	12	4	-	7	
New Hampshire.....	-	-	-	-	-	-	-	8	-	-	2	
Vermont.....	-	-	-	-	-	-	-	7	-	-	-	
Massachusetts.....	8	-	-	2	-	-	1	83	20	7	56	
Rhode Island.....	-	-	-	-	-	-	2	11	1	-	9	
Connecticut.....	-	-	-	-	1	-	2	13	9	-	15	
MIDDLE ATLANTIC.....	7	-	-	2	2	-	55	163	105	7	318	
New York City.....	-	-	-	-	-	-	36	51	36	-	22	
New York, up-State.....	1	-	-	1	1	-	5	15	21	-	68	
New Jersey*.....	3	-	-	1	1	-	10	45	31	5	124	
Pennsylvania.....	3	-	-	-	-	-	4	52	17	2	104	
EAST NORTH CENTRAL...	17	-	-	9	5	-	7	219	188	7	275	
Ohio.....	6	-	-	3	3	-	2	41	59	-	24	
Indiana.....	2	-	-	-	-	-	-	12	11	3	24	
Illinois.....	3	-	-	3	1	-	2	65	54	3	170	
Michigan.....	6	-	-	3	1	-	3	93	48	1	56	
Wisconsin.....	-	-	-	-	-	-	-	8	16	-	1	
WEST NORTH CENTRAL...	11	1	-	1	3	-	1	58	37	5	187	
Minnesota.....	9	-	-	1	1	-	1	10	17	-	13	
Iowa*.....	-	1	-	-	1	-	-	8	4	-	19	
Missouri.....	2	-	-	-	-	-	-	18	10	-	42	
North Dakota*.....	-	-	-	-	-	-	-	1	-	-	3	
South Dakota.....	-	-	-	-	-	-	-	1	1	-	1	
Nebraska.....	-	-	-	-	-	-	-	11	-	-	4	
Kansas.....	-	-	-	-	1	-	-	9	5	5	105	
SOUTH ATLANTIC.....	11	2	2	5	-	-	14	121	82	9	698	
Delaware.....	-	-	-	-	-	-	-	-	3	-	3	
Maryland.....	5	-	-	-	-	-	2	15	14	1	33	
Dist. of Columbia..	-	-	-	-	-	-	-	2	4	-	2	
Virginia.....	1	2	-	1	-	-	-	14	1	-	26	
West Virginia*.....	-	-	-	-	-	-	-	8	7	-	-	
North Carolina.....	2	-	-	-	-	-	1	10	2	1	274	
South Carolina.....	-	-	1	-	-	-	-	3	5	-	58	
Georgia.....	-	-	-	-	-	-	-	14	26	1	262	
Florida.....	3	-	1	4	-	-	11	55	20	6	40	
EAST SOUTH CENTRAL...	12	-	-	5	3	-	6	56	67	-	135	
Kentucky.....	-	-	-	1	-	-	-	21	32	-	108	
Tennessee.....	4	-	-	2	3	-	6	20	14	-	-	
Alabama.....	7	-	-	-	-	-	-	10	11	-	23	
Mississippi.....	1	-	-	2	-	-	-	5	10	-	4	
WEST SOUTH CENTRAL...	5	-	5	2	1	-	3	48	65	6	219	
Arkansas.....	-	-	-	-	1	-	-	-	2	-	13	
Louisiana.....	3	-	2	1	-	-	2	3	15	-	45	
Oklahoma*.....	1	-	-	1	-	-	-	11	-	-	70	
Texas.....	1	-	3	-	-	-	1	34	48	6	91	
MOUNTAIN.....	1	-	-	2	-	-	1	25	40	2	133	
Montana.....	1	-	-	-	-	-	-	3	2	-	3	
Idaho.....	-	-	-	-	-	-	-	-	2	-	5	
Wyoming.....	-	-	-	-	-	-	-	-	-	-	-	
Colorado.....	-	-	-	2	-	-	-	-	5	-	110	
New Mexico.....	-	-	-	-	-	-	-	4	6	-	7	
Arizona*.....	-	-	-	-	-	-	-	6	14	-	1	
Utah.....	-	-	-	-	-	-	1	3	6	-	1	
Nevada.....	-	-	-	-	-	-	-	9	5	2	6	
PACIFIC.....	22	2	-	5	7	1	34	288	266	4	626	
Washington*.....	3	-	-	-	-	-	-	31	36	-	5	
Oregon.....	-	1	-	-	2	-	-	12	13	-	16	
California.....	18	1	-	5	4	1	34	242	200	4	493	
Alaska.....	1	-	-	-	-	-	-	1	8	-	3	
Hawaii.....	-	-	-	-	1	-	-	2	9	-	109	
Puerto Rico.....	-	-	-	-	-	-	-	-	30	27	-	4

*Delayed reports: Aseptic meningitis: Ariz. 1, Wash. 6

Encephalitis, primary: Iowa 1, N. Dak. 1, W. Va. 14, Ariz. 1

Hepatitis, infectious: N.J. delete 1, Wash. 18

Malaria: Okla. 1

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
NOVEMBER 8, 1969 AND NOVEMBER 9, 1968 (45th WEEK) - CONTINUED

AREA	MEASLES (Rubeola)			MENINGOCOCCAL INFECTIONS, TOTAL			MUMPS	POLIOMYELITIS			RUBELLA
	Cumulative			Cumulative				Total	Paralytic		
	1969	1969	1968	1969	1969	1968		1969	1969	Cum. 1969	
UNITED STATES...	284	21,838	20,813	29	2,594	2,251	1,386	-	-	15	425
NEW ENGLAND.....	4	1,133	1,185	4	105	133	158	-	-	2	27
Maine.....	-	9	38	-	7	6	32	-	-	1	2
New Hampshire.....	1	242	141	-	4	8	10	-	-	-	-
Vermont.....	-	3	2	-	-	1	2	-	-	-	-
Massachusetts.....	3	229	370	3	41	69	54	-	-	-	19
Rhode Island.....	-	27	6	-	14	9	7	-	-	-	2
Connecticut.....	-	623	628	1	39	40	53	-	-	1	4
MIDDLE ATLANTIC.....	28	7,652	4,346	5	432	400	83	-	-	2	37
New York City.....	8	4,971	2,271	-	82	81	37	-	-	-	9
New York, Up-State.....	-	610	1,287	-	82	72	NN	-	-	1	1
New Jersey.....	18	961	669	2	168	136	46	-	-	-	18
Pennsylvania.....	2	1,110	119	3	100	111	NN	-	-	1	9
EAST NORTH CENTRAL...	56	2,490	3,990	1	351	280	447	-	-	1	116
Ohio.....	12	414	312	1	132	77	30	-	-	-	10
Indiana.....	4	474	699	-	45	38	74	-	-	-	36
Illinois*.....	27	643	1,394	-	49	63	72	-	-	1	5
Michigan.....	6	332	301	-	100	82	95	-	-	-	25
Wisconsin.....	7	627	1,284	-	25	20	176	-	-	-	40
WEST NORTH CENTRAL...	97	843	399	-	128	123	55	-	-	1	23
Minnesota.....	8	17	18	-	28	29	-	-	-	-	-
Iowa.....	-	336	104	-	19	8	38	-	-	-	14
Missouri.....	-	31	81	-	53	40	6	-	-	-	2
North Dakota.....	11	33	138	-	2	4	9	-	-	-	2
South Dakota.....	-	3	4	-	1	5	NN	-	-	-	-
Nebraska.....	78	416	44	-	9	9	2	-	-	-	4
Kansas.....	-	7	10	-	16	28	-	-	-	1	1
SOUTH ATLANTIC.....	21	2,618	1,597	7	458	447	154	-	-	1	44
Delaware.....	-	395	16	-	13	9	-	-	-	-	3
Maryland.....	-	77	103	-	41	39	6	-	-	-	1
Dist. of Columbia*	-	28	6	-	9	16	1	-	-	-	-
Virginia.....	17	906	343	1	56	43	82	-	-	-	3
West Virginia.....	-	214	308	2	21	13	50	-	-	-	16
North Carolina.....	2	325	284	-	84	85	NN	-	-	-	-
South Carolina*	1	127	14	1	59	58	-	-	-	-	1
Georgia.....	-	2	4	-	77	89	-	-	-	-	-
Florida.....	1	544	519	3	98	95	15	-	-	1	20
EAST SOUTH CENTRAL...	-	116	501	4	165	202	49	-	-	1	27
Kentucky.....	-	66	103	1	55	92	14	-	-	-	-
Tennessee.....	-	20	62	3	68	60	35	-	-	-	24
Alabama.....	-	6	95	-	25	27	-	-	-	1	2
Mississippi.....	-	24	241	-	17	23	-	-	-	-	1
WEST SOUTH CENTRAL...	42	4,820	5,037	2	343	326	100	-	-	6	43
Arkansas.....	-	16	2	-	32	20	-	-	-	-	-
Louisiana.....	-	124	24	1	92	93	-	-	-	-	-
Oklahoma.....	-	142	125	-	34	52	25	-	-	-	8
Texas.....	42	4,538	4,886	1	185	161	75	-	-	6	35
MOUNTAIN.....	20	1,027	1,033	1	51	39	63	-	-	-	26
Montana*	8	72	58	-	8	6	6	-	-	-	2
Idaho.....	-	90	21	-	11	11	3	-	-	-	-
Wyoming.....	-	-	54	-	-	3	-	-	-	-	-
Colorado.....	-	141	518	1	9	11	34	-	-	-	3
New Mexico.....	-	270	130	-	6	-	2	-	-	-	-
Arizona*	11	442	226	-	10	4	17	-	-	-	17
Utah.....	1	11	21	-	5	1	1	-	-	-	4
Nevada.....	-	1	5	-	2	3	-	-	-	-	-
PACIFIC.....	16	1,139	2,725	5	561	301	277	-	-	1	82
Washington*	1	67	579	1	57	47	34	-	-	-	11
Oregon.....	-	200	553	1	19	23	23	-	-	-	8
California.....	14	814	1,547	3	464	214	116	-	-	1	45
Alaska.....	-	13	11	-	11	3	90	-	-	-	14
Hawaii.....	1	45	35	-	10	14	14	-	-	-	4
Puerto Rico.....	30	1,766	466	-	19	20	30	-	-	-	-

*Delayed reports: Measles: D.C. 2, S.C. delete 1, Mont. delete 2, Wash. 3
Mumps: Wash. 49
Poliomyelitis, paralytic: Ill. 1
Rubella: Ariz. 3, Wash. 29

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TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
NOVEMBER 8, 1969 AND NOVEMBER 9, 1968 (45th 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...	7,566	7	140	-	127	12	289	3	437	44	2,919
NEW ENGLAND.....	721	-	1	-	16	1	15	-	1	1	41
Maine.....	16	-	-	-	-	-	1	-	-	-	6
New Hampshire.....	-	-	-	-	-	-	-	-	-	-	5
Vermont.....	20	-	-	-	16	-	-	-	-	1	19
Massachusetts.....	227	-	1	-	-	1	8	-	1	-	3
Rhode Island.....	43	-	-	-	-	-	1	-	-	-	-
Connecticut.....	415	-	-	-	-	-	5	-	-	-	8
MIDDLE ATLANTIC.....	217	-	17	-	5	2	31	2	46	9	208
New York City.....	35	-	9	-	1	2	17	-	-	-	-
New York, Up-State.	104	-	3	-	4	-	6	-	7	8	194
New Jersey.....	NN	-	3	-	-	-	3	-	15	-	-
Pennsylvania.....	78	-	2	-	-	-	5	2	24	1	14
EAST NORTH CENTRAL...	738	1	19	-	15	1	32	-	3	2	213
Ohio.....	106	-	4	-	-	-	11	-	-	-	71
Indiana.....	142	-	-	-	4	-	-	-	-	-	50
Illinois.....	142	1	10	-	4	1	15	-	3	2	36
Michigan.....	210	-	5	-	-	-	5	-	-	-	7
Wisconsin.....	138	-	-	-	7	-	1	-	-	-	49
WEST NORTH CENTRAL...	405	-	11	-	14	-	10	-	8	5	552
Minnesota.....	8	-	3	-	-	-	4	-	-	3	146
Iowa.....	165	-	-	-	-	-	1	-	7	2	85
Missouri.....	16	-	4	-	10	-	3	-	-	-	130
North Dakota.....	98	-	-	-	-	-	-	-	-	-	69
South Dakota.*.....	18	-	-	-	-	-	-	-	1	-	43
Nebraska.....	82	-	-	-	1	-	1	-	-	-	13
Kansas.....	18	-	4	-	3	-	1	-	-	-	66
SOUTH ATLANTIC.....	873	3	27	-	22	5	46	-	246	11	692
Delaware.....	3	-	-	-	-	-	2	-	3	-	-
Maryland.....	156	-	1	-	-	-	4	-	48	-	3
Dist. of Columbia..	1	-	2	-	-	-	2	-	-	-	-
Virginia.....	211	1	1	-	4	-	1	-	81	4	345
West Virginia.....	269	-	1	-	2	-	2	-	5	3	100
North Carolina.....	NN	-	2	-	6	3	9	-	64	-	5
South Carolina.....	34	-	1	-	2	-	1	-	30	-	-
Georgia.....	7	-	7	-	4	-	11	-	15	2	81
Florida.....	192	2	12	-	4	2	14	-	-	2	158
EAST SOUTH CENTRAL...	1,417	-	20	-	14	1	45	-	63	5	375
Kentucky.....	151	-	7	-	-	-	8	-	13	4	193
Tennessee.....	785	-	4	-	13	-	19	-	41	-	126
Alabama.....	268	-	6	-	-	-	4	-	6	1	50
Mississippi.....	213	-	3	-	1	1	14	-	3	-	6
WEST SOUTH CENTRAL...	712	2	27	-	20	-	29	1	48	5	421
Arkansas.....	16	-	2	-	2	-	13	-	7	-	30
Louisiana.....	2	-	7	-	4	-	3	-	-	1	33
Oklahoma.*.....	30	-	1	-	8	-	-	-	29	1	64
Texas.....	664	2	17	-	6	-	13	1	12	3	294
MOUNTAIN.....	1,596	-	6	-	17	-	28	-	17	-	117
Montana.....	19	-	1	-	-	-	2	-	-	-	-
Idaho.....	224	-	-	-	-	-	4	-	6	-	-
Wyoming.....	151	-	-	-	4	-	5	-	-	-	54
Colorado.....	978	-	2	-	-	-	3	-	9	-	3
New Mexico.....	24	-	-	-	1	-	7	-	-	-	17
Arizona.....	88	-	3	-	-	-	6	-	-	-	22
Utah.....	109	-	-	-	12	-	-	-	2	-	5
Nevada.....	3	-	-	-	-	-	1	-	-	-	16
PACIFIC.....	887	1	12	-	4	2	53	-	5	6	300
Washington.*.....	605	-	1	-	2	-	2	-	3	-	4
Oregon.....	166	-	-	-	1	-	6	-	-	-	4
California.....	---	1	11	-	1	2	41	-	2	6	292
Alaska.....	55	-	-	-	-	-	-	-	-	-	-
Hawaii.....	61	-	-	-	-	-	4	-	-	-	-
Puerto Rico.....	4	-	12	-	-	1	7	-	-	-	25

*Delayed reports: SST: Wash. 599

RMSF: Okla. 1

Rabies in animals: S. Dak. 19

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Week No. **TABLE IV. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED NOVEMBER 8, 1969**

45

(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	430	44	30	SOUTH ATLANTIC:	1,356	677	64	83
Boston, Mass.-----	210	113	12	9	Atlanta, Ga.-----	135	64	5	12
Bridgeport, Conn.-----	53	38	3	2	Baltimore, Md.-----	273	138	5	18
Cambridge, Mass.-----	34	21	6	—	Charlotte, N. C.-----	70	33	5	5
Fall River, Mass.-----	31	18	3	2	Jacksonville, Fla.-----	76	26	4	4
Hartford, Conn.-----	61	33	2	3	Miami, Fla.-----	111	50	5	5
Lowell, Mass.-----	33	23	2	3	Norfolk, Va.-----	68	35	4	8
Lynn, Mass.-----	18	13	—	1	Richmond, Va.-----	93	41	9	14
New Bedford, Mass.-----	29	23	2	—	Savannah, Ga.-----	43	15	1	5
New Haven, Conn.-----	59	31	1	4	St. Petersburg, Fla.-----	92	72	6	1
Providence, R. I.-----	42	24	2	2	Tampa, Fla.-----	85	41	11	1
Somerville, Mass.-----	12	7	—	—	Washington, D. C.-----	256	130	7	5
Springfield, Mass.-----	44	26	4	3	Wilmington, Del.-----	54	32	2	5
Waterbury, Conn.-----	24	18	—	—					
Worcester, Mass.-----	60	42	7	1	EAST SOUTH CENTRAL:	643	342	24	52
MIDDLE ATLANTIC:	3,115	1,834	122	133	Birmingham, Ala.-----	112	63	—	10
Albany, N. Y.-----	52	27	—	2	Chattanooga, Tenn.-----	43	27	4	2
Allentown, Pa.-----	55	35	4	1	Knoxville, Tenn.-----	51	31	—	3
Buffalo, N. Y.-----	120	72	1	1	Louisville, Ky.-----	122	65	12	2
Camden, N. J.-----	29	18	—	1	Memphis, Tenn.-----	145	68	1	19
Elizabeth, N. J.-----	42	27	1	2	Mobile, Ala.-----	54	31	2	4
Erie, Pa.-----	48	30	2	—	Montgomery, Ala.-----	26	6	3	4
Jersey City, N. J.-----	56	29	5	4	Nashville, Tenn.-----	90	51	2	8
Newark, N. J.-----	67	28	9	5	WEST SOUTH CENTRAL:	1,173	617	42	78
New York City, N. Y.-----	1,613	973	65	61	Austin, Tex.-----	33	17	2	1
Paterson, N. J.-----	49	24	3	5	Baton Rouge, La.-----	23	12	3	—
Philadelphia, Pa.-----	404	221	7	19	Corpus Christi, Tex.-----	18	8	1	2
Pittsburgh, Pa.-----	143	76	9	12	Dallas, Tex.-----	200	95	1	14
Reading, Pa.-----	57	37	2	—	El Paso, Tex.-----	44	22	1	4
Rochester, N. Y.-----	112	79	1	4	Fort Worth, Tex.-----	78	39	5	4
Schenectady, N. Y.-----	21	13	1	1	Houston, Tex.-----	215	108	5	15
Scranton, Pa.-----	46	21	2	3	Little Rock, Ark.-----	58	36	4	2
Syracuse, N. Y.-----	82	50	2	6	New Orleans, La.-----	170	80	3	11
Trenton, N. J.-----	40	20	4	2	Oklahoma City, Okla.-----	84	52	1	3
Utica, N. Y.-----	33	25	2	3	San Antonio, Tex.-----	116	69	6	8
Yonkers, N. Y.-----	46	29	2	1	Shreveport, La.-----	64	41	3	9
EAST NORTH CENTRAL:	2,618	1,474	80	126	Tulsa, Okla.-----	70	38	7	5
Akron, Ohio-----	66	49	—	3	MOUNTAIN:	434	240	15	23
Canton, Ohio-----	33	15	—	1	Albuquerque, N. Mex.-----	49	20	2	5
Chicago, Ill.-----	744	401	27	37	Colorado Springs, Colo.-----	31	20	5	1
Cincinnati, Ohio-----	139	79	4	3	Denver, Colo.-----	113	66	4	3
Cleveland, Ohio-----	217	109	8	15	Ogden, Utah-----	17	8	—	—
Columbus, Ohio-----	128	65	1	7	Phoenix, Ariz.-----	111	63	1	4
Dayton, Ohio-----	91	48	4	8	Pueblo, Colo.-----	25	10	—	1
Detroit, Mich.-----	371	214	9	20	Salt Lake City, Utah-----	53	32	—	7
Evansville, Ind.-----	21	14	3	—	Tucson, Ariz.-----	35	21	3	2
Flint, Mich.-----	52	31	—	5	PACIFIC:	1,590	936	29	66
Fort Wayne, Ind.-----	33	22	3	1	Berkeley, Calif.-----	26	22	1	—
Gary, Ind.-----	18	8	—	1	Fresno, Calif.-----	41	22	2	1
Grand Rapids, Mich.-----	57	37	4	3	Glendale, Calif.-----	29	20	—	—
Indianapolis, Ind.-----	145	67	1	6	Honolulu, Hawaii-----	50	22	3	5
Madison, Wis.-----	45	24	7	2	Long Beach, Calif.-----	85	52	—	2
Milwaukee, Wis.-----	141	90	5	3	Los Angeles, Calif.-----	507	308	10	20
Peoria, Ill.-----	57	30	—	2	Oakland, Calif.-----	73	44	3	8
Rockford, Ill.-----	45	34	1	1	Pasadena, Calif.-----	48	36	1	—
South Bend, Ind.-----	25	13	2	2	Portland, Oreg.-----	133	71	2	7
Toledo, Ohio-----	122	81	1	3	Sacramento, Calif.-----	53	32	—	2
Youngstown, Ohio-----	68	43	—	3	San Diego, Calif.-----	99	50	—	4
WEST NORTH CENTRAL:	883	545	28	42	San Francisco, Calif.-----	187	105	3	10
Des Moines, Iowa-----	73	46	3	6	San Jose, Calif.-----	48	29	1	3
Duluth, Minn.-----	18	9	2	1	Seattle, Wash.-----	136	78	2	4
Kansas City, Kans.-----	45	25	2	2	Spokane, Wash.-----	38	24	1	—
Kansas City, Mo.-----	160	97	3	6	Tacoma, Wash.-----	37	21	—	—
Lincoln, Nebr.-----	21	14	—	—					
Minneapolis, Minn.-----	102	68	4	7	Total	12,522	7,095	448	633
Omaha, Nebr.-----	90	62	2	3	Expected Number	12,508	7,222	416	532
St. Louis, Mo.-----	252	148	5	12	Cumulative Total (includes reported corrections for previous weeks)	582,567	332,813	26,194	27,717
St. Paul, Minn.-----	67	43	1	4					
Wichita, Kans.-----	55	33	6	1					
Las Vegas, Nev.*	19	8	—	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.				

INTERNATIONAL NOTES
INFLUENZA – Summer and Fall 1969*

The epidemic of A2 Hong Kong influenza, which was first recognized in July 1968 in Hong Kong and which then spread rapidly throughout Southeast Asia, to the United States, and to Europe during the fall and winter of 1968, diminished in late spring 1969 in most areas of the world. Although little or no activity was reported in the northern hemisphere after that, smoldering activity continued in the southern hemisphere. In South America, Uruguay reported widespread epidemic activity during June 1969 with school and industrial absenteeism reaching 50 and 20 percent, respectively; schools were closed on June 18 for the rest of the month due to influenza. Chile reported influenza-like disease of epidemic proportions in Santiago and the central provinces with the peak occurring during the third week of July and the epidemic waning by mid-August. Strains from both Uruguay and Chile as well as strains isolated in Argentina during the same period were confirmed as closely related to A2/Hong Kong/68 by the World Health Organization International Influenza Center for the Americas.

Thailand, which also reported influenza A2 activity in late summer 1968, had an increase in activity beginning in mid-September 1969. Recently isolated strains were closely related to A2/Hong Kong/68.

Sporadic cases of a mild influenza-like disease confirmed by virus isolation, have been reported from Senegal since April 1969, with epidemic levels being reached in August and September.

During September and October, an increase in influenza-like illness was noted in Hawaii, and a number of cases were confirmed by serology and by isolation of a Hong Kong-like virus.

In Australia, influenza activity was first reported in the northern provinces in late summer 1968, and epidemics were reported in Melbourne and Sydney in August 1969; marked diminution in severity had been noted by the end of the month. New Zealand reported A2 influenza activity throughout the summer with a decrease by mid-September 1969.

At present, an epidemic of major proportions is occurring in remote areas of the Papua-New Guinea highlands. A large number of cases have been reported with an estimated 1,500 deaths as of October 22. Pneumococcal pneumonia has been a major complication. An A2/Hong Kong-like virus was isolated at the International Influenza Center for the Americas from the throat washings of several patients in New Guinea. Australian army and territorial personnel are participating in evaluation of the epidemic. (Reported by Dr. Anthony Morris and Dr. Carlton Gajdusek, Division of Biologics Standards, National Institutes of Health; the World Health Organization International Influenza Center for the Americas, Atlanta, Georgia; and the Respiratory Diseases Unit, Viral Diseases Section, Epidemiology Program, NCDC.)

*Source: World Health Organization Weekly Epidemiological Record 44(31, 33-36, and 44-45):482, 508, 511, 519, 529, 612, and 619, August-November 1969.

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

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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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