

Morbidity and Mortality



WEEKLY REPORT

For Week Ending February 12, 1972

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
GASTROENTERITIS - Alaska

Between Nov. 10 and Dec. 5, 1971, an outbreak of gastroenteritis occurred among residents at a trailer court in Anchorage, Alaska. Eighty-nine of the 114 residents became ill, for an attack rate of 78.1%. The illness was characterized by acute onset with non-specific symptoms preceding diarrhea by 0-48 hours (mean 10.6 hours, median 5 hours). The date of onset was known for 82 patients (Figure 1). A total of 62% became ill between November 16-18. Their symptoms included nausea, vomiting, abdominal pain, fever, and diarrhea. Eighty-one cases had diarrhea that lasted from 1 to 25 days, with a median duration of 7 days. Breakdown by age and sex showed no significant differences in specific attack rates. One person was hospitalized; there were no deaths.

Shigella sonnei was recovered from stools from 17 patients living in six different trailers. No specimens were obtained from persons not clinically ill.

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Fourteen persons in four families not residing at the trailer court also experienced gastroenteritis after social contact with affected residents of the trailer court. Stools were obtained from nine of these persons, and all were positive for *S. sonnei*.

The residents reported that on November 16 the water from all the household taps was "dirty" and had a bad odor. Water used at the trailer court had been subjected to periodic coliform analysis prior to this outbreak and had been consistently negative; the last negative sample was collected on Nov. 15, 1971.

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

DISEASE	6th WEEK ENDED		MEDIAN 1967-1971	CUMULATIVE, FIRST 6 WEEKS		
	February 12, 1972	February 13, 1971		1972	1971	MEDIAN 1967-1971
Aseptic meningitis	30	41	26	206	358	170
Brucellosis	1	1	-	13	6	7
Chickenpox	2,738	-	-	15,725	-	-
Diphtheria	1	2	5	7	22	17
Encephalitis, primary:						
Arthropod-borne & unspecified	18	16	16	90	121	121
Post-infectious	5	10	10	26	42	42
Hepatitis, serum	149	152	98	1,055	1,038	571
Hepatitis, infectious	1,073	1,253	894	6,407	7,568	4,841
Malaria	12	80	48	219	435	278
Measles (rubeola)	460	2,302	1,017	3,659	8,590	5,491
Meningococcal infections, total	49	50	84	213	331	394
Civilian	49	43	82	206	307	377
Military	-	7	3	7	24	24
Mumps	1,998	3,150	-	12,393	18,491	-
Rubella (German measles)	558	928	928	2,826	4,086	3,930
Tetanus	4	5	2	6	8	9
Tuberculosis, new active	480	-	-	2,995	-	-
Tularemia	3	2	2	12	16	12
Typhoid fever	5	4	4	28	33	33
Typhus, tick-fever (Rky. Mt. spotted fever)	-	1	-	9	3	3
Veneral Diseases:						
Gonorrhea	13,330	-	-	76,578	-	-
Syphilis, primary and secondary	412	-	-	2,494	-	-
Rabies in animals	66	84	84	366	444	441

TABLE II. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	-	Poliomyelitis, total:	2
Botulism:	-	Paralytic:	2
Congenital rubella syndrome:	1	Psittacosis:*	3
Leprosy: * Tex. - 2	11	Rabies in man:	-
Leptospirosis: Mich. - 1	2	Trichinosis:	13
Plague:	-	Typhus, murine: Tex. - 1	4

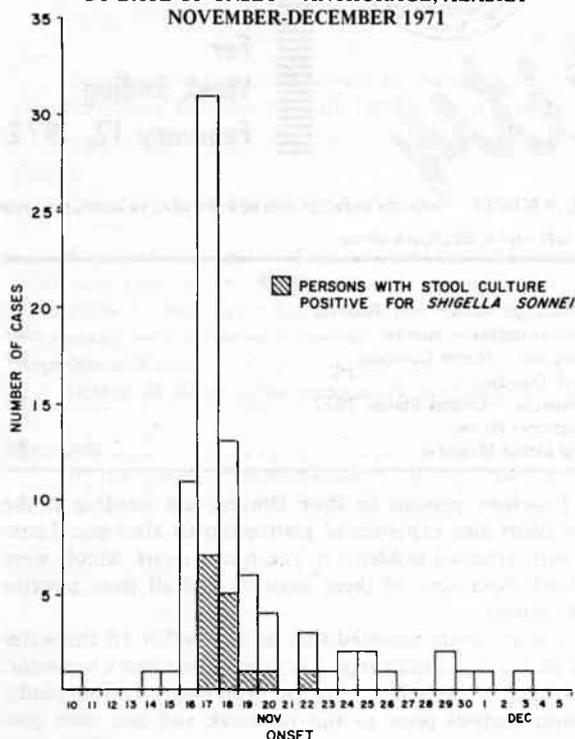
*Delayed reports: Leprosy: Colo. 1 (1972)
 Psittacosis: Ga. 1 (1971)

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GASTROENTERITIS — Continued

Figure 1
GASTROENTERITIS CASES AT A TRAILER COURT
BY DATE OF ONSET — ANCHORAGE, ALASKA
NOVEMBER-DECEMBER 1971



The trailer court water system consisted of two 240-foot-deep wells, 25 feet apart, enclosed in a cinder block well house. The well house floor was 3 feet below the ground, and the well casings extended to 1 foot above the well house floor. The pumps on the wells filled a 2,500-gallon pressure tank in the well house from which water was distributed to the trailers. There was no chlorination apparatus in the system. A gravity-flow system drained the sewage from the trailer court and was connected to the borough sewerage system. A floor drain in the well house was connected to the main sewerage system.

Investigation revealed that a blockage in the borough sewerage system had caused a backup of sewage through the well house floor drain into the trailer court water system. Sewage filled the well house to a 1-foot depth and drained into the two wells; subsequently, the contaminated well water was pumped into the water distribution system of the trailer court.

Attempts to decontaminate the water system began on November 16, and in the meantime, residents were told to

use the water only for flushing toilets; drinking water was supplied from trucks. After the well house floor was decontaminated, 5 pounds of 70% chlorine were placed in each well for 3 hours; this chlorine-treated water was then distributed through the whole system for 16 hours. Essentially the same procedure was repeated on November 21 and 24. After a retention and flushing period, the water continued to have unacceptable coliform levels. Water specimens were not cultured for specific pathogens. Since the wells could not be adequately decontaminated, they were closed down. The trailer court water system was then connected to the borough water system. The system was then flushed with 8,000 gallons of water with 200 ppm chlorine flowing for 8 hours. Subsequent specimens were negative for coliforms, and normal use of water was restored on December 15.

(Reported by Ronni Kinneen, Supervisor, Public Facilities Sanitarian, Rolf Strickland, R.S., Assistant Director, C. P. Judkins, R.S., Director, Department of Environmental Quality, A. B. Colyar, M.D., Medical Director, Greater Anchorage Area Borough Health Center; Kyle Cherry, R.S., Regional Sanitary Engineer, Department of Environmental Conservation, James Allen, R.S., Regional Supervisor, Department of Health and Social Services, Environmental Health Section, Alaska State Department of Health and Social Services.)

Editorial Note

The isolation of *S. sonnei* from 17 ill residents of the trailer court suggests that shigella was the etiologic agent in all cases; the clinical features and incubation periods were also compatible with shigellosis.

Similar outbreaks of "sewage poisoning" have occasionally been reported in which gastroenteritis occurred; in some of these, no known pathogen was isolated. One report describes a waterborne outbreak in which a careful search eventually disclosed *Escherichia coli* O111:B4 as the etiologic agent in adults (1). *E. coli* and viruses which have not as yet been isolated may prove to be important in the etiology of "sewage poisoning."

Of 10 previous waterborne outbreaks of shigellosis reported to CDC since the beginning of 1967, eight were caused by *S. sonnei* and two by *S. flexneri*. A total of 850 persons were affected, and attack rates ranged from 8 to 86%. Shigella (*S. sonnei*) was recovered from the water involved in only one instance. All of these previous outbreaks occurred in the warmer months, May through October. None of the water supplies involved were chlorinated, and when chlorination was instituted, it was effective in blocking this route of transmission.

Reference

- Schroeder SA, Caldwell JR, Vernon TM, White PC, Granger SI, Bennet JV: A waterborne outbreak of gastroenteritis in adults associated with *Escherichia coli*. *Lancet* i(7545):737-740, 1968

CURRENT TRENDS

INFLUENZA — United States, 1972

State epidemiologists reporting to the Viral Diseases Branch, Epidemiology Program, CDC, in the past week noted a continued decline in influenza morbidity. States that last week reported an increase in influenza activity reported an apparent decrease this week. These included the Pacific states, Alabama, and Georgia.

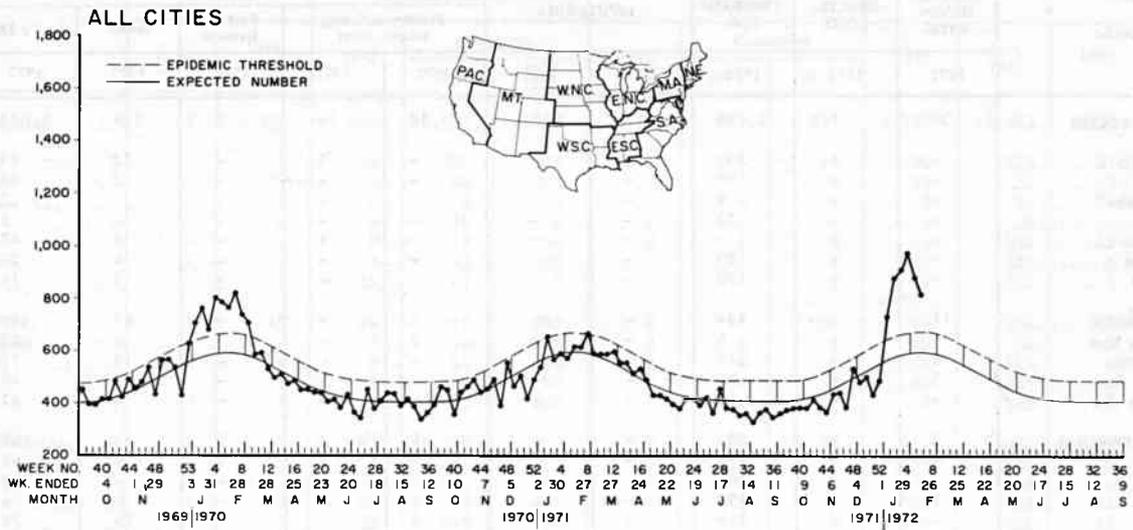
Pneumonia-influenza mortality from 122 United States cities showed a decline for the second consecutive week, suggesting a significant downward trend (Figure 2). Of the nine

reporting areas, only the Mountain and New England states reported an increase in the number of deaths. Both increases were small, and in New England, the total number of deaths remained below the epidemic threshold.

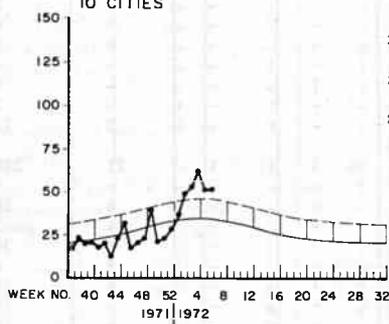
Influenza A/Hong Kong/68 virus has been responsible for virtually all of the cases this season; influenza B virus has been reported in only isolated cases.

(Reported by the Viral Diseases Branch, Epidemiology Program, CDC.)

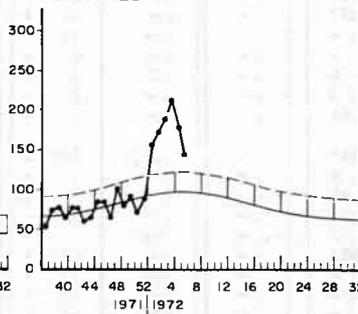
Figure 2
PNEUMONIA-INFLUENZA DEATHS IN 122 UNITED STATES CITIES



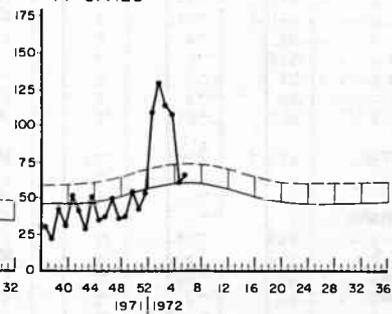
W. N. CENTRAL
10 CITIES



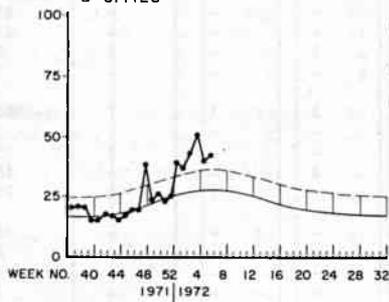
E. N. CENTRAL
21 CITIES



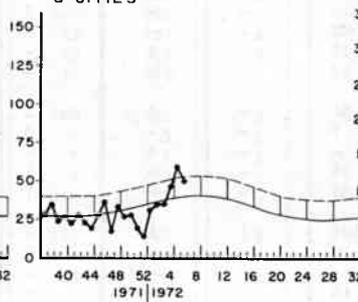
NEW ENGLAND
14 CITIES



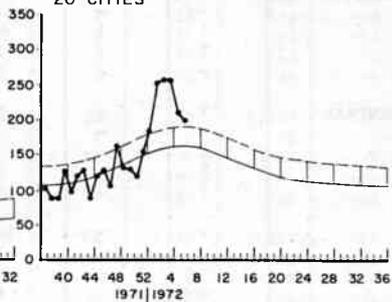
MOUNTAIN
8 CITIES



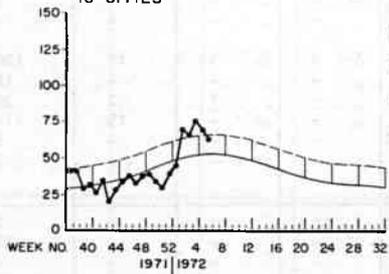
E. S. CENTRAL
8 CITIES



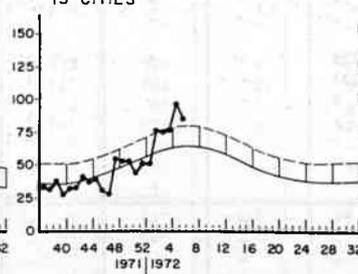
MIDDLE ATLANTIC
20 CITIES



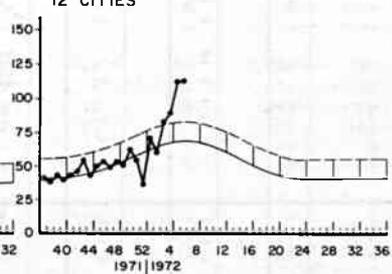
PACIFIC
16 CITIES



W. S. CENTRAL
13 CITIES



SOUTH ATLANTIC
12 CITIES



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TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDING FEBRUARY 12, 1972 AND FEBRUARY 13, 1971 (6th WEEK)

AREA	ASEPTIC MENIN- GITIS	BRUCEL- LOSIS	CHICKEN- POX	DIPHTHERIA		ENCEPHALITIS			HEPATITIS		
						Primary including unspec. cases		Post In- fectious	Serum	Infectious	
						1972	1971	1972	1972	1972	1971
UNITED STATES	30	1	2,738	1	7	18	16	5	149	1,073	1,253
NEW ENGLAND	-	-	389	-	-	-	1	-	12	93	103
Maine	-	-	99	-	-	-	-	-	2	10	10
New Hampshire *	-	-	4	-	-	-	-	-	-	2	7
Vermont	-	-	23	-	-	-	-	-	-	5	16
Massachusetts	-	-	-	-	-	-	1	-	1	42	38
Rhode Island	-	-	93	-	-	-	-	-	4	20	13
Connecticut	-	-	170	-	-	-	-	-	5	14	19
MIDDLE ATLANTIC	11	-	134	-	-	2	-	-	47	180	259
Upstate New York	1	-	5	-	-	2	-	-	9	42	77
New York City	5	-	117	-	-	-	-	-	19	71	43
New Jersey *	5	-	NN	-	-	-	-	-	15	40	78
Pennsylvania *	-	-	12	-	-	-	-	-	4	27	61
EAST NORTH CENTRAL	3	-	851	-	-	4	2	2	33	196	199
Ohio	-	-	78	-	-	-	2	2	9	42	63
Indiana	-	-	105	-	-	-	-	-	-	10	9
Illinois	1	-	153	-	-	2	-	-	6	54	46
Michigan	-	-	515	-	-	2	-	-	15	79	67
Wisconsin	2	-	-	-	-	-	-	-	3	11	14
WEST NORTH CENTRAL	-	-	408	-	2	1	1	-	6	38	72
Minnesota	-	-	59	-	-	-	-	-	-	2	11
Iowa	-	-	277	-	-	1	-	-	-	6	4
Missouri	-	-	-	-	-	-	-	-	4	7	18
North Dakota	-	-	-	-	-	-	-	-	-	-	2
South Dakota	-	-	6	-	2	-	1	-	-	9	9
Nebraska	-	-	3	-	-	-	-	-	-	2	6
Kansas	-	-	63	-	-	-	-	-	2	12	22
SOUTH ATLANTIC	3	-	349	-	2	3	6	1	21	214	171
Delaware	-	-	4	-	-	-	-	-	-	1	-
Maryland	-	-	44	-	-	1	-	-	6	28	23
District of Columbia	-	-	27	-	-	-	-	-	1	3	3
Virginia	-	-	7	-	-	-	1	-	3	34	25
West Virginia *	1	-	253	-	-	1	-	-	2	8	6
North Carolina	1	-	-	-	-	-	1	-	4	26	26
South Carolina	-	-	14	-	-	1	-	-	-	15	8
Georgia	-	-	-	-	-	-	-	-	-	14	9
Florida	1	-	-	-	2	-	4	1	5	85	71
EAST SOUTH CENTRAL	6	1	199	-	1	1	1	-	6	51	58
Kentucky	-	-	175	-	-	1	-	-	-	25	18
Tennessee	1	1	NN	-	-	-	-	-	4	23	25
Alabama	5	-	12	-	1	-	1	-	2	2	11
Mississippi	-	-	12	-	-	-	-	-	-	1	4
WEST SOUTH CENTRAL	5	-	51	-	1	5	2	1	7	103	94
Arkansas	-	-	1	-	-	3	-	-	1	3	3
Louisiana	2	-	-	-	1	-	-	-	2	15	14
Oklahoma	2	-	15	-	-	1	2	-	-	15	17
Texas	1	-	35	-	-	1	-	1	4	70	60
MOUNTAIN	-	-	122	1	1	-	-	-	-	18	58
Montana	-	-	13	-	-	-	-	-	-	4	5
Idaho	-	-	-	-	-	-	-	-	-	5	5
Wyoming	-	-	13	-	-	-	-	-	-	1	1
Colorado *	-	-	51	-	-	-	-	-	-	-	3
New Mexico	-	-	31	1	1	-	-	-	-	7	4
Arizona	---	---	---	---	---	---	---	---	---	---	24
Utah	-	-	14	-	-	-	-	-	-	1	16
Nevada	-	-	-	-	-	-	-	-	-	-	-
PACIFIC	2	-	235	-	-	2	3	1	17	180	239
Washington	-	-	233	-	-	1	-	-	-	18	21
Oregon	-	-	2	-	-	-	-	1	2	36	33
California	2	-	-	-	-	1	3	-	15	114	181
Alaska	-	-	-	-	-	-	-	-	-	5	3
Hawaii	-	-	-	-	-	-	-	-	-	7	1
Guam	-	-	16	-	-	-	---	-	-	5	---
Puerto Rico	-	-	-	-	-	-	-	-	-	22	11
Virgin Islands	-	-	-	-	-	-	-	-	-	-	1

*Delayed reports: Aseptic meningitis (1972): Colo. 1
Chickenpox (1972): N.H. 9
Hepatitis, serum: (1971) N.J. delete 2, Pa. 2, (1972) Colo. 2
Hepatitis, infectious: (1971) N.J. delete 3, Pa. 10, W. Va. 1
(1972) N.H. 1, N.J. delete 1, Colo. 44

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**TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDING FEBRUARY 12, 1972 AND FEBRUARY 13, 1971 (6th WEEK) - Continued**

AREA	MALARIA		MEASLES (Rubeola)			MENINGOCOCCAL INFECTIONS, TOTAL			MUMPS		RUBELLA	
	1972	Cum. 1972	1972	Cumulative		1972	Cumulative		1972	Cum. 1972	1972	Cum. 1972
				1972	1971		1972	1971				
UNITED STATES	12	219	460	3,659	8,590	49	213	331	1,998	12,393	558	2,826
NEW ENGLAND	-	2	53	200	283	2	6	17	90	528	21	127
Maine *	-	-	11	65	193	-	1	5	17	52	1	5
New Hampshire *	-	1	-	8	3	-	-	1	3	37	-	9
Vermont	-	-	4	16	2	-	-	-	4	36	-	2
Massachusetts	-	-	9	17	54	2	2	8	22	104	12	64
Rhode Island	-	-	3	33	22	-	3	1	23	121	5	12
Connecticut	-	1	26	61	9	-	-	2	21	178	3	35
MIDDLE ATLANTIC	7	15	24	311	893	6	17	29	87	584	19	129
Upstate New York	-	-	7	16	148	2	5	8	NN	NN	2	13
New York City	4	4	5	41	498	3	4	2	34	218	6	29
New Jersey	-	6	9	241	45	-	4	6	20	233	8	60
Pennsylvania	3	5	3	13	202	1	4	13	33	133	3	27
EAST NORTH CENTRAL	1	11	163	1,579	1,582	4	23	36	511	3,412	155	710
Ohio	-	1	4	42	773	2	11	15	51	535	5	46
Indiana	-	-	16	436	19	2	4	2	24	270	19	136
Illinois	1	3	84	435	411	-	1	7	126	667	14	129
Michigan	-	7	25	243	86	-	6	9	109	528	57	183
Wisconsin	-	-	34	423	293	-	1	3	201	1,412	60	216
WEST NORTH CENTRAL	2	9	28	128	421	4	16	32	414	2,379	35	141
Minnesota	-	1	1	4	21	1	1	6	42	214	5	11
Iowa	-	1	23	94	62	-	-	2	279	1,746	16	64
Missouri	-	-	2	17	260	-	2	8	4	85	1	34
North Dakota	-	1	1	9	18	-	-	1	5	117	-	7
South Dakota	-	-	1	2	42	-	1	3	5	15	4	6
Nebraska	1	3	-	2	6	1	3	3	6	63	-	10
Kansas	1	3	-	-	12	2	9	9	73	139	9	9
SOUTH ATLANTIC	-	18	40	384	1,029	8	49	40	175	1,125	29	284
Delaware	-	-	1	1	5	-	1	-	-	4	-	1
Maryland	-	-	-	3	9	2	4	7	12	66	-	9
District of Columbia	-	1	-	-	2	-	2	1	-	1	-	-
Virginia	-	1	-	-	480	-	12	2	10	113	2	15
West Virginia	-	1	5	18	45	1	5	1	107	672	5	74
North Carolina	-	6	2	15	270	-	7	6	NN	NN	-	2
South Carolina	-	4	7	52	103	-	7	2	9	63	3	16
Georgia	-	2	-	20	8	-	-	3	-	-	2	7
Florida	-	3	25	275	107	5	11	18	37	206	17	160
EAST SOUTH CENTRAL	-	107	24	202	1,900	6	18	24	107	683	26	174
Kentucky	-	106	11	100	750	-	5	7	29	112	8	70
Tennessee	-	-	1	23	123	4	7	9	46	393	17	82
Alabama	-	1	4	48	329	2	5	5	18	143	-	14
Mississippi	-	-	8	31	698	-	1	3	14	35	1	8
WEST SOUTH CENTRAL	-	17	44	188	1,722	8	30	30	156	1,030	27	269
Arkansas	-	2	1	4	5	3	6	1	-	12	2	10
Louisiana	-	-	-	6	211	5	11	11	9	27	3	5
Oklahoma	-	1	-	2	229	-	-	3	10	55	-	1
Texas	-	14	43	176	1,277	-	13	15	137	936	22	253
MOUNTAIN	-	10	34	244	370	2	4	14	99	568	21	121
Montana	-	-	-	4	150	-	-	-	7	53	2	7
Idaho	-	-	-	3	58	2	2	-	6	26	-	3
Wyoming	-	-	-	-	5	-	1	-	14	54	-	-
Colorado	-	8	8	132	43	-	-	3	27	201	13	46
New Mexico	-	1	6	17	63	-	1	-	37	99	6	15
Arizona	---	1	---	45	37	---	-	6	---	126	---	45
Utah	-	-	20	43	14	-	-	4	8	9	-	5
Nevada	-	-	-	-	-	-	-	1	-	-	-	-
PACIFIC	2	30	50	423	390	9	50	109	359	2,084	225	871
Washington	-	-	10	121	102	2	5	4	92	614	29	177
Oregon	-	1	-	7	61	2	3	10	38	293	29	109
California	1	26	39	281	209	5	42	93	227	1,133	162	568
Alaska	-	-	-	3	6	-	-	-	-	26	2	2
Hawaii	1	3	1	11	12	-	-	2	2	18	3	15
Guam	-	-	-	-	---	1	1	---	-	-	1	3
Puerto Rico	-	-	22	44	20	-	-	-	15	93	-	-
Virgin Islands	-	-	-	-	2	-	2	-	-	47	-	-

*Delayed reports: Measles: (1971) Me. 39, (1972) N.H. 2
Mumps: (1971) Me. 16, N.H. 6, (1972) N.H. 19

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TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDING FEBRUARY 12, 1972 AND FEBRUARY 13, 1971 (6th WEEK) - Continued

AREA	TETANUS	TB (New Active)	TULAREMIA		TYPHOID FEVER		TYPHUS FEVER TICK-BORNE (Rky. Mt. spotted fever)		VENEREAL DISEASES		RABIES IN ANIMALS			
			1972	1972	1972	Cum. 1972	1972	Cum. 1972	1972	Cum. 1972	GONOR- RHEA	SYPHILIS (Pri. & Sec.)	1972	Cum. 1972
											1972	1972		
UNITED STATES	4	480	3	12	5	28	-	9	13,330	412	66	366		
NEW ENGLAND	-	12	-	-	1	2	-	-	320	5	2	14		
Maine	-	1	-	-	-	-	-	-	23	-	1	12		
New Hampshire	-	-	-	-	-	-	-	-	3	-	-	-		
Vermont	-	-	-	-	-	-	-	-	5	-	1	2		
Massachusetts	-	6	-	-	1	2	-	-	143	-	-	-		
Rhode Island	-	-	-	-	-	-	-	-	36	1	-	-		
Connecticut	-	5	-	-	-	-	-	-	110	4	-	-		
MIDDLE ATLANTIC	1	106	-	-	2	3	-	3	1,454	118	1	8		
Upstate New York	-	17	-	-	-	1	-	-	110	6	1	5		
New York City	-	43	-	-	1	1	-	-	904	78	-	-		
New Jersey	1	22	-	-	1	1	-	1	247	21	-	-		
Pennsylvania	-	24	-	-	-	-	-	2	193	13	-	3		
EAST NORTH CENTRAL	-	62	-	1	1	1	-	-	1,671	20	9	29		
Ohio	-	20	-	1	-	-	-	-	884	6	3	10		
Indiana	-	10	-	-	-	-	-	-	132	-	2	7		
Illinois	-	11	-	-	-	-	-	-	89	6	-	3		
Michigan	-	19	-	-	1	1	-	-	489	8	-	1		
Wisconsin	-	2	-	-	-	-	-	-	77	-	4	8		
WEST NORTH CENTRAL	1	21	-	3	-	1	-	1	871	6	16	95		
Minnesota	-	1	-	-	-	-	-	-	161	1	3	26		
Iowa	-	-	-	-	-	-	-	-	78	-	6	26		
Missouri	-	15	-	3	-	1	-	-	336	2	3	11		
North Dakota	-	-	-	-	-	-	-	-	9	-	4	27		
South Dakota	-	-	-	-	-	-	-	-	45	-	-	1		
Nebraska	-	5	-	-	-	-	-	-	71	-	-	-		
Kansas	1	-	-	-	-	-	-	1	171	3	-	4		
SOUTH ATLANTIC	1	94	2	3	-	4	-	2	3,906	161	11	43		
Delaware	-	1	-	-	-	-	-	-	55	-	-	-		
Maryland *	-	14	-	-	-	-	-	-	237	24	-	-		
District of Columbia	-	10	-	-	-	-	-	-	325	17	-	-		
Virginia	-	17	2	3	-	3	-	1	452	35	3	11		
West Virginia	-	11	-	-	-	-	-	-	35	-	3	9		
North Carolina	-	10	-	-	-	-	-	1	993	7	-	-		
South Carolina	-	-	-	-	-	-	-	-	183	7	-	-		
Georgia	-	15	-	-	-	-	-	-	486	31	3	15		
Florida	1	16	-	-	-	1	-	-	1,140	40	2	8		
EAST SOUTH CENTRAL	-	58	-	1	1	3	-	-	1,051	18	17	109		
Kentucky	-	8	-	-	-	1	-	-	110	6	6	48		
Tennessee	-	27	-	-	-	1	-	-	457	4	11	47		
Alabama	-	18	-	1	-	-	-	-	303	5	-	14		
Mississippi	-	5	-	-	1	1	-	-	181	3	-	-		
WEST SOUTH CENTRAL	1	32	1	2	-	2	-	3	1,290	35	5	52		
Arkansas *	1	15	1	2	-	2	-	-	27	8	-	14		
Louisiana *	-	-	-	-	-	-	-	-	355	6	1	6		
Oklahoma	-	11	-	-	-	-	-	1	195	3	4	16		
Texas	-	6	-	-	-	-	-	2	713	18	-	16		
MOUNTAIN	-	9	-	1	-	3	-	-	209	2	-	4		
Montana	-	-	-	-	-	-	-	-	16	-	-	-		
Idaho	-	2	-	-	-	-	-	-	42	-	-	-		
Wyoming	-	-	-	-	-	-	-	-	4	-	-	-		
Colorado	-	1	-	1	-	-	-	-	66	-	-	-		
New Mexico	-	6	-	-	-	1	-	-	5	-	-	-		
Arizona	-	-	-	-	-	1	-	-	-	-	-	4		
Utah	-	-	-	-	-	1	-	-	36	1	-	-		
Nevada	-	-	-	-	-	-	-	-	40	1	-	-		
PACIFIC	-	86	-	1	-	9	-	-	2,558	47	5	12		
Washington	-	23	-	-	-	-	-	-	220	1	-	-		
Oregon	-	-	-	-	-	-	-	-	190	3	-	-		
California *	-	48	-	-	-	7	-	-	2,055	43	5	12		
Alaska	-	10	-	1	-	-	-	-	93	-	-	-		
Hawaii	-	5	-	-	-	2	-	-	-	-	-	-		
Guam	-	1	-	-	-	-	-	-	10	-	-	-		
Puerto Rico	-	-	-	-	-	-	-	-	-	-	-	10		
Virgin Islands	-	-	-	-	-	-	-	-	22	-	-	-		

*Delayed reports: Tuberculosis (1972): La. 1
RMSF (1971): Md. 1
Syphilis (1972): Ark. 4, Calif. delete 1

Morbidity and Mortality Weekly Report

TABLE IV. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDING FEBRUARY 12, 1972

Week No.
6

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

Area	All Causes				Pneumonia and Influenza All Ages	Area	All Causes				Pneumonia and Influenza All Ages
	All Ages	65 years and over	Under 1 year				All Ages	65 years and over	Under 1 year		
NEW ENGLAND	752	472	14	67		SOUTH ATLANTIC	1,427	776	39	114	
Boston, Mass.	231	129	8	24		Atlanta, Ga.	192	88	6	18	
Bridgeport, Conn.	60	44	—	9		Baltimore, Md.	265	147	5	9	
Cambridge, Mass.	33	25	—	8		Charlotte, N. C.	82	35	3	4	
Fall River, Mass.	37	30	1	4		Jacksonville, Fla.	90	52	1	9	
Hartford, Conn.	47	18	—	—		Miami, Fla.	130	82	1	5	
Lowell, Mass.	35	22	—	3		Norfolk, Va.	58	24	4	5	
Lynn, Mass.	24	16	1	1		Richmond, Va.	105	47	2	18	
New Bedford, Mass.	31	21	—	2		Savannah, Ga.	43	31	1	6	
New Haven, Conn.	47	34	—	2		St. Petersburg, Fla.	90	76	—	14	
Providence, R. I.	50	27	1	2		Tampa, Fla.	68	40	3	6	
Somerville, Mass.	10	5	—	—		Washington, D. C.	226	110	9	10	
Springfield, Mass.	46	28	2	6		Wilmington, Del.	78	44	4	10	
Waterbury, Conn.	43	32	—	—							
Worcester, Mass.	58	41	1	6		EAST SOUTH CENTRAL	699	377	42	50	
						Birmingham, Ala.	105	56	3	6	
MIDDLE ATLANTIC	3,407	2,112	101	197		Chattanooga, Tenn.	60	29	2	6	
Albany, N. Y.	62	34	7	3		Knoxville, Tenn.	40	30	—	1	
Allentown, Pa.	30	22	—	3		Louisville, Ky.	133	80	6	16	
Buffalo, N. Y.	148	88	1	9		Memphis, Tenn.	177	87	23	3	
Camden, N. J.	40	22	2	2		Mobile, Ala.	40	20	—	4	
Elizabeth, N. J.	32	21	—	2		Montgomery, Ala.	48	25	2	12	
Erie, Pa.	74	48	7	6		Nashville, Tenn.	96	50	6	2	
Jersey City, N. J.	75	43	3	8							
Newark, N. J.	69	27	5	6		WEST SOUTH CENTRAL	1,483	806	69	86	
New York City, N. Y. 1	1,732	1,083	53	84		Austin, Tex.	54	36	1	6	
Paterson, N. J.	51	34	4	5		Baton Rouge, La.	59	36	1	3	
Philadelphia, Pa.	304	182	7	6		Corpus Christi, Tex.	21	14	3	2	
Pittsburgh, Pa.	297	172	5	22		Dallas, Tex.	215	123	6	6	
Reading, Pa.	62	46	1	4		El Paso, Tex.	78	33	19	9	
Rochester, N. Y.	117	77	1	14		Fort Worth, Tex.	101	52	1	1	
Schenectady, N. Y.	10	6	—	—		Houston, Tex.	288	159	8	12	
Scranton, Pa.	75	51	—	4		Little Rock, Ark.	65	35	2	3	
Syracuse, N. Y.	105	76	1	5		New Orleans, La.	162	85	3	3	
Trenton, N. J.	52	34	2	3		Oklahoma City, Okla.	85	48	4	3	
Utica, N. Y.	29	20	—	3		San Antonio, Tex.	178	93	13	18	
Yonkers, N. Y.	43	26	2	8		Shreveport, La.	93	44	4	6	
						Tulsa, Okla.	84	48	4	14	
EAST NORTH CENTRAL	3,001	1,799	86	145							
Akron, Ohio	78	55	1	—		MOUNTAIN	510	306	18	42	
Canton, Ohio	39	24	2	4		Albuquerque, N. Mex.	59	31	—	8	
Chicago, Ill.	772	434	22	21		Colorado Springs, Colo.	34	21	2	9	
Cincinnati, Ohio	173	118	6	11		Denver, Colo.	131	81	5	9	
Cleveland, Ohio	205	125	4	9		Ogden, Utah	10	8	—	1	
Columbus, Ohio	182	101	6	11		Phoenix, Ariz.	140	86	3	8	
Dayton, Ohio	125	78	1	8		Pueblo, Colo.	18	13	1	3	
Detroit, Mich.	424	250	13	14		Salt Lake City, Utah	47	27	3	2	
Evansville, Ind.	67	40	1	3		Tucson, Ariz.	71	39	4	2	
Flint, Mich. **	60	34	3	3							
Fort Wayne, Ind.	64	42	3	2		PACIFIC	1,809	1,137	52	63	
Gary, Ind.	39	18	2	3		Berkeley, Calif.	15	10	—	—	
Grand Rapids, Mich.	52	33	2	8		Fresno, Calif.	55	36	5	2	
Indianapolis, Ind.	178	96	7	5		Glendale, Calif.	39	35	—	—	
Madison, Wis.	40	18	2	5		Honolulu, Hawaii	72	39	3	1	
Milwaukee, Wis.	168	116	2	10		Long Beach, Calif.	93	59	2	5	
Peoria, Ill.	36	20	4	—		Los Angeles, Calif.	523	330	14	22	
Rockford, Ill.	45	27	3	2		Oakland, Calif.	97	55	8	2	
South Bend, Ind.	61	39	—	13		Pasadena, Calif.	29	19	1	2	
Toledo, Ohio	133	96	1	8		Portland, Oreg.	159	105	2	2	
Youngstown, Ohio	60	35	1	5		Sacramento, Calif.	81	46	3	3	
						San Diego, Calif.	114	57	4	7	
WEST NORTH CENTRAL	908	582	35	52		San Francisco, Calif.	223	137	4	7	
Des Moines, Iowa	49	33	—	4		San Jose, Calif.	62	40	1	3	
Duluth, Minn.	20	16	—	—		Seattle, Wash.	152	107	3	3	
Kansas City, Kans.	45	24	7	2		Spokane, Wash.	67	41	2	2	
Kansas City, Mo.	150	110	3	5		Tacoma, Wash.	28	21	—	2	
Lincoln, Nebr.	31	21	2	4							
Minneapolis, Minn.	139	78	7	6		Total	13,996	8,367	456	816	
Omaha, Nebr.	92	56	4	5		Expected Number	13,531	7,879	586	594	
St. Louis, Mo.	224	148	1	10		Cumulative Total					
St. Paul, Minn.	95	64	5	8		(includes reported corrections for previous weeks)	88,781	52,875	3,171	5,192	
Wichita, Kans.	63	32	6	8							
Las Vegas, Nev.*	8	6	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 Feb. 5, 1972
 **Estimate based on average per cent of divisional total

EPIDEMIOLOGIC NOTES AND REPORTS
HEPATITIS – North Carolina

Between Oct. 1-12, 1971, eight men at the Marine Corps Base, Camp Lejeune, North Carolina, were admitted to the base hospital with viral hepatitis. This was an increased incidence over the usual 2-3 cases of hepatitis per month at the base. Serologic testing for hepatitis associated antigen (HBAg) was positive in six of the patients and thus established the diagnosis of serum hepatitis (hepatitis B). All responded well to supportive care and made uneventful recoveries.

Epidemiologic investigation revealed that all eight men had been in contact with each other either socially or at work. Six of them worked in the mess hall which served 3,000-5,000 men. One was a cook; the other five were indirect food handlers. Five of the patients admitted to parenteral drug use and sharing drug paraphernalia.

Since pooled gamma globulin has not been demonstrated

to alter the course of serum hepatitis, it was not recommended as a control measure in this epidemic.

(Reported by Commander Donald W. Hopping, MC, USN, Force Troops Regimental Surgeon, Lt. Donald L. Loucks, MC, USNR, Force Troops Medical Officer, Marine Corps Base, Camp Lejeune, North Carolina; Capt. Eugene J. Clarke, MC, USN, Officer-in-Charge, and Lt. Frank P. Castrina, MC, USNR, Epidemiologist, Navy Environmental and Preventive Medicine Unit No. 2, Naval Station, Norfolk, Virginia.)

Editorial Note

The effectiveness of HBAg as a clinical and epidemiologic tool was clearly established in this outbreak. Since the diagnosis of serum hepatitis was confirmed, the unnecessary administration of gamma globulin to a large group (3,000-5,000) of men was avoided.

INTERNATIONAL NOTES
QUARANTINE MEASURES

Changes in the "Supplement – Vaccination Certificate Requirements for International Travel,"

MMWR, Vol. 19, No. 21

The following change should be made in the Vaccination Certificate Requirements for International Travel:

New Zealand

Delete the note concerning smallpox, and insert: Smallpox – Countries in South America and Asia: Certificate required from arrivals by sea and air. Other countries: Certificate required from arrivals by air only. No certificate,

however, is required from travelers from American Samoa, Australia, British Solomon Islands, Canada, Cook Islands, Fiji, French Polynesia, Gilbert and Ellice Islands, Hawaii, Nauru, New Caledonia, New Hebrides, Niue, Norfolk and Tokelau Islands, Tonga, United States of America, and Western Samoa, provided travelers have not been outside these areas for at least 14 days prior to arrival and these areas are free from smallpox.

The Morbidity and Mortality Weekly Report, circulation 28,000, is published by the Center for Disease Control, Atlanta, Ga.

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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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