

Morbidity and Mortality

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EPIDEMIOLOGIC NOTES AND REPORTS

SHIGELLA DYSENTERIAE TYPE 1 - California

In November and December 1971, two unrelated cases of *Shigella dysenteriae* type 1 infection occurred in Los Angeles, California. The case reports are summarized below:

Case 1: On Nov. 30, 1971, a 14-month-old Mexican-American male had onset of bloody diarrhea. On December 1, he experienced fever, vomiting, and lethargy; that night, he had convulsions. He was taken to a local hospital, given a prescription, and sent home. On December 2, the child was hospitalized. He received several blood transfusions due to massive, bloody diarrhea as well as epistaxis and hematuria. After 11 days, he was transferred to another hospital where he subsequently recovered. Stool specimens taken on December 2 were found to be positive for *S. dysenteriae* type 1.

The patient was born in Los Angeles County and has never been outside of California. His family consists of his par-

ents and two siblings. The family denies having had any visitors from Mexico and denies any knowledge of illness among friends, neighbors, or relatives. The only travel to which anyone in the family admits in the 3 months prior to the onset of the child's illness was a trip to Arizona by the father for Thanksgiving. The father had dinner with his family there. None of them, to his knowledge, had recently been in Mexico. The patient's aunt, however, who lives in San Diego visited the patient for 1/2 hour on her way to Arizona at Thanksgiving. Stool and blood specimens were obtained from all family members. All stool specimens were negative for

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

DISEASE	4th WEEK ENDING		MEDIAN 1967-1971	CUMULATIVE, FIRST 4 WEEKS		
	January 29, 1972	January 30, 1971		1972	1971	MEDIAN 1967-1971
Aseptic meningitis	21	83	30	146	265	115
Brucellosis	4	2	2	10	3	6
Chickenpox	2,683	-	-	9,018	-	-
Diphtheria	1	1	3	6	17	8
Encephalitis, primary:						
Arthropod-borne and unspecified	10	27	20	58	87	79
Encephalitis, post-infectious	5	8	8	17	26	26
Hepatitis, serum	186	171	99	721	720	360
Hepatitis, infectious	1,170	1,230	889	4,282	4,999	3,079
Malaria	38	135	50	191	304	157
Measles (rubeola)	462	1,630	1,255	2,377	4,769	3,591
Meningococcal infections, total	29	62	80	130	228	246
Civilian	26	58	77	123	213	234
Military	3	4	4	7	15	14
Mumps	2,004	3,599	-	8,011	11,694	-
Rubella (German measles)	577	782	641	1,724	2,129	2,047
Tetanus	1	1	2	1	2	6
Tuberculosis, new active	598	-	-	1,864	-	-
Typhemia	-	3	3	8	12	7
Typhoid fever	8	10	6	18	21	20
Typhus, tick-borne (Rky. Mt. spotted fever)	3	-	-	8	1	1
Veneral Diseases:						
Gonorrhea	12,816	-	-	49,660	-	-
Syphilis, primary and secondary	450	-	-	1,607	-	-
Rabies in animals	62	82	82	233	291	82

TABLE II. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax	-	Poliomyelitis, total:	1
Botulism:	-	Paralytic:	1
Congenital rubella syndrome:	-	Psittacosis: Ohio - 1	2
Leprosy: Calif. - 1	6	Rabies in man:	-
Leptospirosis:	-	Trichinosis:	8
Plague:	-	Typhus, murine:	3

SHIGELLA DYSENTERIAE – Continued

S. dysenteriae type 1. The serologic hemagglutination-inhibition (HI) test of the mother's blood specimen revealed a positive titer at 1:160; those of the patient, his two siblings, and his father were negative. (Using the HI test, a titer of 1:40 or greater has generally been considered positive; false positive results have not been recognized at this level.)

Case 2: On Dec. 1, 1971, an 8-month-old Mexican-American male became ill with fever, abdominal pain, lethargy, and bloody diarrhea. He was seen at a local hospital where the attending physician diagnosed influenza. The baby was given a shot of penicillin; he was not hospitalized. On December 2, the baby was taken to the family's private physician who diagnosed colitis and administered penicillin intramuscularly. The patient was seen at a second hospital twice but was sent home both times because he did not appear to be very sick. On December 7, he was taken to a third hospital where he was admitted. On admission, he had very minimal diarrhea and did not appear particularly ill. A few hours later, however, his temperature spiked, and he died shortly thereafter. A stool specimen obtained at the second hospital on December 4 subsequently yielded *S. dysenteriae* type 1.

The patient had been born in Los Angeles and had never been outside of Los Angeles County. His family consisted of his parents and one brother. None of them had been ill with a diarrheal illness. There was no history of travel outside of Los Angeles County by anyone in the family in the 3-month period prior to the patient's illness. The family also denied having had visitors from Mexico or elsewhere in that period nor did they know of any relatives, friends, or neighbors who were ill with diarrhea. On Thanksgiving Day, the family had

attended a dinner in San Fernando, Los Angeles County. No one who attended the dinner was sick, had recently traveled to Mexico, or had recently been visited by anyone from Mexico. Stool and blood specimens were obtained from the patient's contacts and family. Cultures of the stool specimens were negative. Serologic examination of specimens from the contacts and the patient were also negative; however, the mother's serum was positive at 1:80 by the HI test, and the brother's was positive at 1:320.

(Reported by Earl Kendrick, M.D., District Health Officer, Bellflower District, Ichiro Kamei, M.D., Chief, Acute Communicable Diseases Control Division, Los Angeles County Health Department; the Enteric Section, Microbial Diseases Laboratory, California State Department of Public Health; the Epidemiological Services Laboratory Section, Bacterial Diseases Branch, Epidemiology Program, CDC; and an EIS Officer.)

Editorial Note

Since 1968, when the epidemic due to *S. dysenteriae* type 1 began in Central America, 94 cases of this disease have been reported in the United States. In 1971, six of these cases occurred in persons who had no history of travel to Mexico or Central America and had no family members who had traveled there. This is the first time since the epidemic began in Central America that cases in the United States were found to be unrelated to foreign travel.

Patients presenting with blood and mucous in the stool with or without fever should have specimens cultured specifically for *S. dysenteriae* type 1. The diseases most commonly mistaken for Shiga dysentery are amebiasis and ulcerative colitis. The treatment of choice is ampicillin.

CURRENT TRENDS
INFLUENZA – United States, 1972

The fifth influenza telephone survey of State Epidemiologists was conducted on Jan. 31, 1972, by the Viral Diseases Branch, Epidemiology Program, CDC. Hong Kong influenza was reported from all states and Puerto Rico. The incidence increased in most areas of the country except for sections of the New England and Mountain states.

Influenza-like illness without laboratory confirmation was reported in New Hampshire and Nevada. Isolated cases or outbreaks of influenza were confirmed in Alaska, Arizona, Colorado, Connecticut, Hawaii, Iowa, Kentucky, Mississippi, Rhode Island, South Carolina, Utah, Vermont, and Wyoming. Outbreaks involving contiguous counties but less than half of a state's counties were reported from Alabama, Arkansas, California, Georgia, Idaho, Indiana, Maine, Minnesota, Nebraska, Oklahoma, Pennsylvania, Wisconsin, and Washington. Widespread influenza was observed in the District of Columbia, New York City, Puerto Rico, and 21 states: Delaware, Florida, Kansas, Illinois, Louisiana, Maryland, Massachusetts, Michigan, Missouri, Montana, New Mexico, New York, North Carolina, North Dakota, Ohio, Oregon, South Dakota, Ten-

nessee, Texas, Virginia, and West Virginia.

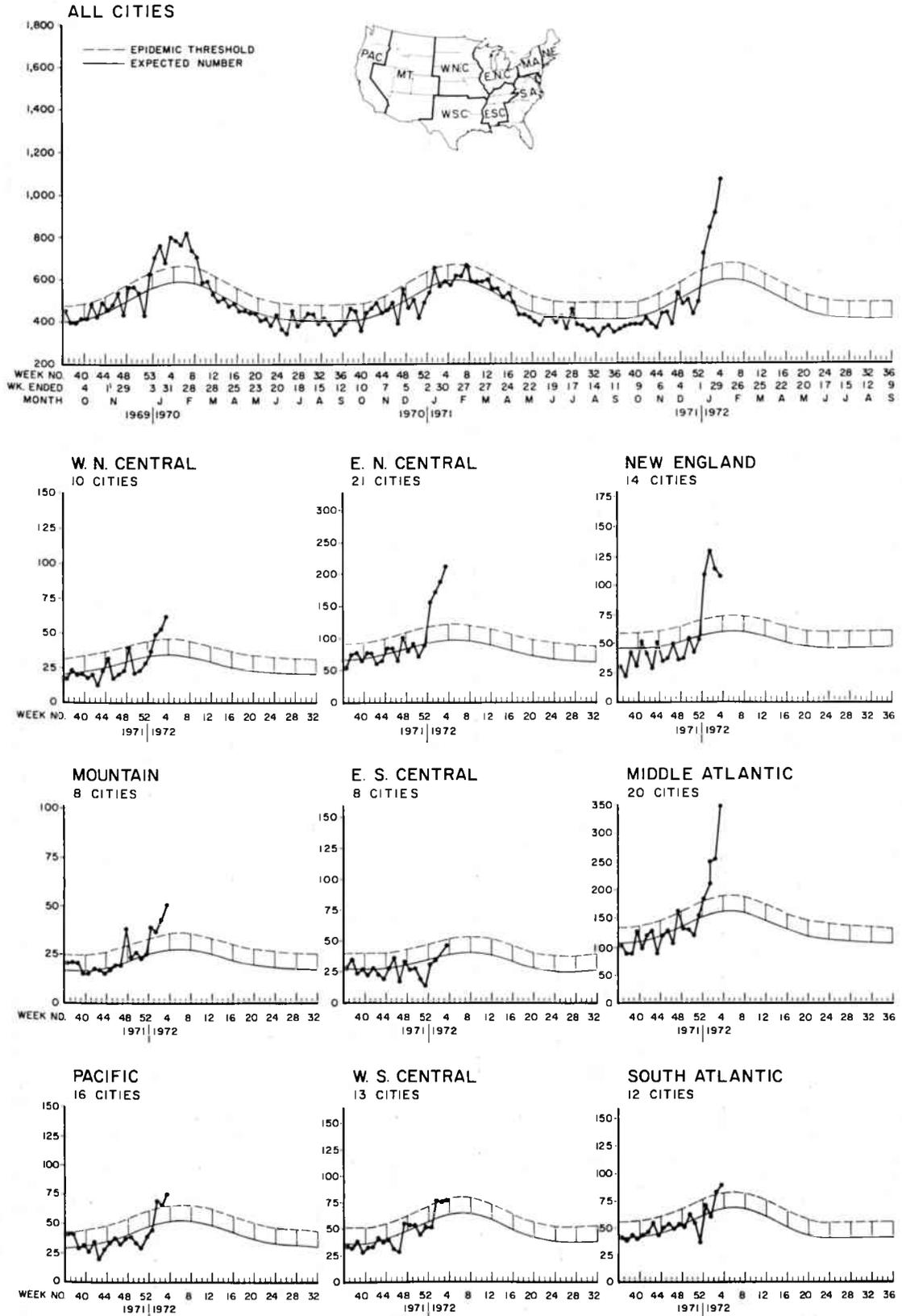
Maine, Colorado, Connecticut, Delaware, Nebraska, New Jersey, Rhode Island, and Utah reported a decrease in the number of new cases. All these states with the exception of Utah had previously experienced widespread influenza.

Mortality due to pneumonia and influenza in 122 reporting cities was significantly elevated for the fourth consecutive week, and only New England showed a significant decrease (Figure 1).

Although outbreaks have occurred diffusely across the country, attack rates and school absenteeism have been relatively low in many areas. The clinical illness in some regions of the country still appears to be less severe than in earlier Hong Kong influenza epidemics; however, other states, such as South Dakota, have reported not only high attack rates but also more severe illness than was previously recorded in the 1968-69 influenza season.

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

Figure 1
PNEUMONIA-INFLUENZA DEATHS IN 122 UNITED STATES CITIES



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TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDING JANUARY 29, 1972 AND JANUARY 30, 1971 (4th 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
UNITED STATES	21	4	2,683	1	6	10	27	5	186	1,170	1,230
NEW ENGLAND	1	-	575	-	-	1	-	-	4	83	118
Maine*	-	-	56	-	-	-	-	-	-	9	9
New Hampshire*	-	-	13	-	-	-	-	-	-	7	6
Vermont	-	-	15	-	-	-	-	-	-	2	11
Massachusetts	1	-	214	-	-	1	-	-	1	47	41
Rhode Island	-	-	101	-	-	-	-	-	-	4	20
Connecticut	-	-	176	-	-	-	-	-	3	14	31
MIDDLE ATLANTIC	3	-	128	-	-	1	5	-	73	196	232
Upstate New York	2	-	4	-	-	1	1	-	24	39	29
New York City	-	-	122	-	-	-	-	-	32	83	63
New Jersey*	-	-	NN	-	-	-	1	-	15	60	82
Pennsylvania*	1	-	2	-	-	-	3	-	2	14	58
EAST NORTH CENTRAL	2	-	735	-	-	3	4	1	26	197	196
Ohio	-	-	181	-	-	-	2	-	2	29	55
Indiana	-	-	29	-	-	-	-	-	2	6	5
Illinois	1	-	-	-	-	2	1	1	7	56	37
Michigan	1	-	525	-	-	1	1	-	13	99	90
Wisconsin	-	-	-	-	-	-	-	-	2	7	9
WEST NORTH CENTRAL	3	2	424	-	2	-	-	-	-	31	45
Minnesota*	-	-	45	-	-	-	-	-	-	1	5
Iowa	-	2	326	-	-	-	-	-	-	7	11
Missouri	3	-	-	-	-	-	-	-	-	8	4
North Dakota	-	-	-	-	-	-	-	-	-	2	5
South Dakota	-	-	3	-	2	-	-	-	-	3	5
Nebraska	-	-	36	-	-	-	-	-	-	-	9
Kansas*	-	-	14	-	-	-	-	-	-	10	6
SOUTH ATLANTIC	3	-	355	-	2	3	4	-	10	188	100
Delaware	-	-	13	-	-	-	1	-	-	3	3
Maryland*	-	-	19	-	-	1	-	-	6	32	16
District of Columbia	-	-	8	-	-	-	-	-	-	2	2
Virginia	1	-	3	-	-	-	-	-	-	21	12
West Virginia	-	-	307	-	-	-	-	-	-	11	5
North Carolina	1	-	-	-	-	1	2	-	1	39	26
South Carolina	-	-	5	-	-	1	-	-	-	8	4
Georgia	-	-	-	-	-	-	-	-	-	23	7
Florida	1	-	-	-	2	-	1	-	3	49	25
EAST SOUTH CENTRAL	3	2	87	1	1	1	4	-	11	72	79
Kentucky	1	-	63	-	-	-	3	-	-	31	32
Tennessee	-	2	NN	-	-	1	-	-	6	29	33
Alabama	1	-	12	1	1	-	1	-	5	4	10
Mississippi	1	-	12	-	-	-	-	-	-	8	4
WEST SOUTH CENTRAL	2	-	11	-	1	-	-	-	11	107	86
Arkansas	-	-	-	-	-	-	-	-	-	2	-
Louisiana	-	-	-	-	1	-	-	-	4	12	9
Oklahoma	-	-	6	-	-	-	-	-	1	11	22
Texas	2	-	5	-	-	-	-	-	6	82	55
MOUNTAIN	1	-	178	-	-	-	1	-	1	54	56
Montana	-	-	47	-	-	-	1	-	-	6	4
Idaho	-	-	-	-	-	-	-	-	-	8	6
Wyoming	-	-	10	-	-	-	-	-	-	3	-
Colorado	-	-	35	-	-	-	-	-	1	3	10
New Mexico	-	-	38	-	-	-	-	-	-	17	4
Arizona	-	-	43	-	-	-	-	-	-	14	21
Utah	1	-	5	-	-	-	-	-	-	3	11
Nevada	-	-	-	-	-	-	-	-	-	-	-
PACIFIC	3	-	190	-	-	1	9	4	50	242	318
Washington	-	-	190	-	-	-	-	-	-	32	50
Oregon	1	-	-	-	-	-	-	1	1	24	30
California	2	-	-	-	-	1	8	3	49	177	227
Alaska	-	-	-	-	-	-	1	-	-	-	4
Hawaii	-	-	-	-	-	-	-	-	-	9	7
Guam**	-	-	2	-	-	-	---	-	-	1	---
Puerto Rico*	-	-	-	-	-	-	-	-	-	7	10
Virgin Islands	-	-	3	-	-	-	-	-	-	-	-

*Delayed reports: Aseptic meningitis: (1972) Kans. 4, (1971) Minn. 1

Chickenpox: (1972) Me. 10, Md. 32

Encephalitis, primary: (1972) Kans. 3

Hepatitis, serum: (1972) N.H. 1, N.J. delete 1

Hepatitis, infectious: (1972) N.H. 1, Kans. 6, N.J. delete 4, P.R. 22, (1971) N.J. delete 1, Pa. 146

**Delayed report for week ending Jan. 22, 1972

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**TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDING JANUARY 29, 1972 AND JANUARY 30, 1971 (4th 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	38	191	462	2,377	4,769	29	130	228	2,004	8,011	577	1,724
NEW ENGLAND	-	1	37	85	154	-	3	10	72	306	13	53
Maine*	-	-	9	15	92	-	1	5	2	12	-	3
New Hampshire	-	1	-	4	2	-	-	1	4	12	-	9
Vermont	-	-	6	8	1	-	-	-	1	26	-	1
Massachusetts	-	-	2	4	37	-	-	1	19	67	9	23
Rhode Island	-	-	-	27	19	-	2	1	20	53	-	3
Connecticut	-	-	20	27	3	-	-	2	26	136	4	14
MIDDLE ATLANTIC	5	7	41	231	481	1	9	22	68	417	22	96
Upstate New York	-	-	1	4	63	-	3	4	NN	NN	2	8
New York City	-	-	7	26	283	-	1	2	30	144	5	19
New Jersey	4	6	27	192	21	-	3	3	17	195	13	48
Pennsylvania	1	1	6	9	114	1	2	13	21	78	2	21
EAST NORTH CENTRAL	3	6	158	1,059	867	2	16	23	522	2,145	110	400
Ohio	1	1	1	20	476	1	9	11	57	307	7	34
Indiana	-	-	9	288	8	-	1	1	25	167	8	82
Illinois	-	-	28	277	141	-	1	5	123	408	28	96
Michigan	2	5	52	164	53	1	5	4	98	344	37	104
Wisconsin	-	-	68	310	189	-	-	2	219	919	30	84
WEST NORTH CENTRAL	3	5	14	45	228	3	7	23	444	1,539	13	73
Minnesota	1	1	-	14	14	-	-	4	26	127	-	4
Iowa	-	1	-	22	38	-	-	2	352	1,166	4	32
Missouri	-	-	12	15	143	1	1	4	10	29	2	19
North Dakota	1	1	-	4	7	-	-	1	14	96	4	7
South Dakota	-	-	-	1	18	-	1	3	4	8	-	2
Nebraska	1	2	2	2	4	1	2	2	34	57	3	9
Kansas*	-	-	-	-	4	1	3	7	4	56	-	-
SOUTH ATLANTIC	1	16	50	282	717	9	34	22	200	751	127	224
Delaware	-	-	-	4	4	-	1	-	1	2	-	1
Maryland	-	-	1	3	8	2	2	2	12	49	2	4
District of Columbia	1	1	-	1	1	1	1	1	-	1	-	-
Virginia	-	1	-	418	1	11	1	7	69	2	11	
West Virginia	-	1	2	10	30	-	3	1	140	478	12	58
North Carolina	-	6	2	12	147	1	5	3	NN	NN	-	1
South Carolina	-	2	10	29	73	3	6	1	11	41	-	7
Georgia	-	2	-	19	1	-	-	3	-	-	2	3
Florida	-	3	35	209	35	1	5	10	29	111	109	139
EAST SOUTH CENTRAL	-	107	30	154	768	4	11	17	107	430	24	122
Kentucky	-	106	12	85	368	2	5	5	16	52	4	57
Tennessee	-	-	3	21	78	2	3	6	55	254	12	46
Alabama	-	1	8	30	282	-	2	3	34	104	6	13
Mississippi	-	-	7	18	40	-	1	3	2	20	2	6
WEST SOUTH CENTRAL	13	17	24	107	1,091	4	14	19	177	659	51	196
Arkansas	-	2	-	1	4	-	-	-	-	6	1	8
Louisiana*	-	-	4	4	91	2	6	7	2	2	2	2
Oklahoma	-	1	-	2	171	-	-	1	7	39	-	1
Texas	13	14	20	100	825	2	8	11	168	612	48	185
MOUNTAIN	3	6	15	138	275	1	2	12	92	335	29	69
Montana	-	-	-	1	126	-	-	-	5	36	1	5
Idaho	-	-	-	1	50	-	-	-	1	16	-	3
Wyoming	-	-	-	3	3	-	1	-	2	38	-	-
Colorado	2	5	6	85	23	-	-	3	29	93	2	12
New Mexico	1	1	3	7	43	1	1	-	26	51	3	7
Arizona	-	-	5	40	20	-	-	5	29	100	23	37
Utah	-	-	1	4	10	-	-	3	-	1	-	5
Nevada	-	-	-	-	-	-	-	1	-	-	-	-
PACIFIC	10	26	93	276	188	5	34	80	322	1,429	188	491
Washington	-	-	12	64	16	1	3	3	76	455	43	116
Oregon	-	1	3	7	21	-	1	6	41	219	21	64
California	10	23	76	197	140	4	30	69	199	735	123	302
Alaska	-	-	-	3	3	-	-	-	5	14	-	-
Hawaii	-	2	2	8	8	-	-	2	1	6	1	9
Guam**	-	-	-	-	---	-	-	---	-	-	-	-
Puerto Rico *	-	-	10	16	11	-	-	-	21	63	-	-
Virgin Islands	-	-	-	-	1	1	1	-	8	12	-	-

*Delayed report: Malaria: (1971) La. delete 1
 Measles: (1972) Me. 1, P.R. 6
 Mumps: (1972) Me. 3, Kans. 43, P.R. 31
 Rubella: (1972) Me. 1

**Delayed report for week ending Jan. 22, 1972

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TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDING JANUARY 29, 1972 AND JANUARY 30, 1971 (4th 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	1972	Cum. 1972	GONOR- RHEA	SYPHILIS (Pri. & Sec.)	1972	Cum. 1972
											1972	1972		
UNITED STATES	1	598	-	8	8	18	3	8	12,816	450	62	233		
NEW ENGLAND	-	27	-	-	1	1	-	-	326	5	2	10		
Maine	-	1	-	-	-	-	-	-	8	1	1	9		
New Hampshire	-	-	-	-	-	-	-	-	6	-	-	-		
Vermont	-	1	-	-	-	-	-	-	19	-	1	1		
Massachusetts	-	11	-	-	1	1	-	-	176	-	-	-		
Rhode Island	-	1	-	-	-	-	-	-	19	-	-	-		
Connecticut	-	13	-	-	-	-	-	-	98	4	-	-		
MIDDLE ATLANTIC	-	125	-	-	1	1	2	3	1,759	101	1	6		
Upstate New York	-	14	-	-	1	1	-	-	351	-	1	3		
New York City	-	54	-	-	-	-	-	-	864	71	-	-		
New Jersey	-	17	-	-	-	-	-	1	271	15	-	-		
Pennsylvania	-	40	-	-	-	-	2	2	273	15	-	3		
EAST NORTH CENTRAL	-	99	-	1	-	-	-	-	946	40	5	11		
Ohio	-	28	-	1	-	-	-	-	542	4	-	1		
Indiana	-	9	-	-	-	-	-	-	109	1	1	2		
Illinois	-	15	-	-	-	-	-	-	157	7	2	3		
Michigan	-	41	-	-	-	-	-	-	47	28	1	1		
Wisconsin	-	6	-	-	-	-	-	-	93	-	1	4		
WEST NORTH CENTRAL	-	17	-	3	1	1	1	1	757	15	13	67		
Minnesota	-	-	-	-	-	-	-	-	63	-	5	18		
Iowa	-	4	-	-	-	-	-	-	137	2	4	16		
Missouri	-	10	-	3	1	1	-	-	378	11	-	8		
North Dakota	-	-	-	-	-	-	-	-	16	-	4	21		
South Dakota *	-	1	-	-	-	-	-	-	13	-	-	1		
Nebraska	-	-	-	-	-	-	-	-	124	1	-	-		
Kansas *	-	2	-	-	-	-	1	1	26	1	-	3		
SOUTH ATLANTIC	-	101	-	1	1	2	-	1	2,715	123	6	18		
Delaware	-	-	-	-	-	-	-	-	44	1	-	-		
Maryland	-	3	-	-	-	-	-	-	294	3	-	-		
District of Columbia	-	4	-	-	-	-	-	-	285	19	-	-		
Virginia	-	4	-	1	1	2	-	-	378	36	2	7		
West Virginia	-	12	-	-	-	-	-	-	45	-	1	2		
North Carolina	-	26	-	-	-	-	-	1	342	4	-	-		
South Carolina	-	-	-	-	-	-	-	-	466	11	-	-		
Georgia *	-	11	-	-	-	-	-	-	335	22	3	8		
Florida	-	41	-	-	-	-	-	-	526	27	-	1		
EAST SOUTH CENTRAL	-	43	-	1	1	1	-	-	1,154	38	24	74		
Kentucky	-	13	-	-	1	1	-	-	103	7	13	35		
Tennessee	-	6	-	-	-	-	-	-	466	13	8	29		
Alabama	-	17	-	1	-	-	-	-	375	4	3	10		
Mississippi	-	7	-	-	-	-	-	-	210	14	-	-		
WEST SOUTH CENTRAL	1	61	-	-	1	1	-	3	2,185	45	6	37		
Arkansas	-	19	-	-	1	1	-	-	490	4	4	14		
Louisiana *	1	33	-	-	-	-	-	-	316	15	1	3		
Oklahoma	-	9	-	-	-	-	-	1	300	1	1	8		
Texas	-	-	-	-	-	-	-	2	1,079	25	-	12		
MOUNTAIN	-	14	-	1	-	3	-	-	499	5	2	4		
Montana	-	-	-	-	-	-	-	-	18	-	-	-		
Idaho	-	6	-	-	-	-	-	-	41	-	-	-		
Wyoming	-	2	-	-	-	-	-	-	3	-	-	-		
Colorado *	-	5	-	1	-	-	-	-	197	-	-	-		
New Mexico	-	-	-	-	-	1	-	-	29	-	-	-		
Arizona	-	-	-	-	-	1	-	-	122	5	2	4		
Utah *	-	1	-	-	-	1	-	-	42	-	-	-		
Nevada	-	-	-	-	-	-	-	-	47	-	-	-		
PACIFIC	-	111	-	1	2	8	-	-	2,475	78	3	6		
Washington	-	1	-	-	-	-	-	-	153	2	-	-		
Oregon	-	2	-	-	-	-	-	-	180	2	-	-		
California	-	88	-	-	1	5	-	-	2,138	73	3	6		
Alaska	-	8	-	1	-	-	-	-	4	1	-	-		
Hawaii	-	12	-	-	1	2	-	-	-	-	-	-		
Guam**	-	2	-	-	-	-	-	-	3	-	-	-		
Puerto Rico *	-	-	-	-	-	-	-	-	-	-	4	9		
Virgin Islands	-	2	-	-	-	-	-	-	-	-	-	-		

*Delayed reports: Tuberculosis: (1972) Kans. 11, Ga. 16, Colo. 4

Typhoid fever: (1972) Utah 1

Gonorrhoea: (1972) Kans. 165, La. 199

Syphilis: (1972) La. 1

Rabies in animals: (1972) Kans. 2, P.R. 5, (1971) S. Dak. 46

**Delayed report for week ending Jan. 22, 1972

Morbidity and Mortality Weekly Report

TABLE IV. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDING JANUARY 29, 1972

Week No.
4

(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					SOUTH ATLANTIC	1,312	726	61	89
Boston, Mass.	844	544	27	108	Atlanta, Ga.	163	74	11	5
Bridgeport, Conn.	248	145	9	37	Baltimore, Md.	267	139	8	14
Cambridge, Mass.	67	51	1	13	Charlotte, N. C.	57	35	2	1
Fall River, Mass.	35	23	-	9	Jacksonville, Fla.	97	52	3	7
Hartford, Conn.	35	21	2	3	Miami, Fla.	128	74	2	5
Lowell, Mass.	62	35	1	3	Norfolk, Va.	57	29	3	6
Lynn, Mass.	47	31	1	6	Richmond, Va.	115	61	4	19
New Bedford, Mass.	36	28	1	5	Savannah, Ga.	51	30	4	7
New Haven, Conn.	32	24	-	6	St. Petersburg, Fla.	121	103	1	4
Providence, R. I.	44	30	3	4	Tampa, Fla.	86	58	3	10
Somerville, Mass.	62	27	4	8	Washington, D. C.	121	49	20	10
Springfield, Mass.	16	12	-	3	Wilmington, Del.	49	22	-	1
Waterbury, Conn.	64	45	-	9					
Worcester, Mass.	34	24	2	-	EAST SOUTH CENTRAL	783	416	31	46
	62	48	3	2	Birmingham, Ala.	128	67	14	5
					Chattanooga, Tenn.	75	42	4	10
MIDDLE ATLANTIC					Knoxville, Tenn.	46	34	2	1
Albany, N. Y.	3,606	2,239	118	349	Louisville, Ky.	136	71	4	17
Allentown, Pa.	65	42	4	2	Memphis, Tenn.	180	90	2	4
Buffalo, N. Y.	32	24	1	4	Mobile, Ala.	61	32	-	3
Camden, N. J.	174	101	9	13	Montgomery, Ala.	37	19	3	2
Elizabeth, N. J.	57	34	2	2	Nashville, Tenn.	120	61	2	4
Erie, Pa.	37	18	1	1					
Jersey City, N. J.	42	33	-	10	WEST SOUTH CENTRAL	1,462	792	67	77
Newark, N. J.	98	57	2	9	Austin, Tex.	42	24	2	4
New York City, N. Y. †	84	37	3	11	Baton Rouge, La.	68	29	3	2
Paterson, N. J.	1,778	1,099	50	104	Corpus Christi, Tex.	39	20	1	3
Philadelphia, Pa.	38	23	2	6	Dallas, Tex.	193	108	10	12
Pittsburgh, Pa.	548	328	19	8	El Paso, Tex.	59	36	3	4
Reading, Pa.	190	118	6	17	Fort Worth, Tex.	112	61	5	4
Rochester, N. Y.	48	38	2	8	Houston, Tex.	284	140	13	15
Schenectady, N. Y.	142	97	4	19	Little Rock, Ark.	66	36	5	-
Scranton, Pa.	11	9	-	-	New Orleans, La.	193	107	8	6
Syracuse, N. Y.	50	38	4	5	Oklahoma City, Okla.	77	34	-	4
Trenton, N. J.	97	63	4	4	San Antonio, Tex.	155	88	6	8
Utica, N. Y.	50	29	3	3	Shreveport, La.	91	54	9	6
Yonkers, N. Y.	34	31	-	3	Tulsa, Okla.	83	55	2	9
	31	20	2	4					
EAST NORTH CENTRAL					MOUNTAIN	596	339	23	51
Akron, Ohio	3,185	1,897	120	212	Albuquerque, N. Mex.	77	39	1	10
Canton, Ohio	70	48	1	1	Colorado Springs, Colo.	32	21	3	14
Chicago, Ill.	52	36	4	8	Denver, Colo.	164	90	7	12
Cincinnati, Ohio	822	482	21	39	Ogden, Utah	16	8	-	1
Cleveland, Ohio	172	113	4	6	Phoenix, Ariz.	144	79	6	2
Columbus, Ohio	277	154	8	17	Pueblo, Colo.	30	20	-	9
Dayton, Ohio	178	98	7	17	Salt Lake City, Utah	44	25	3	1
Detroit, Mich.	107	64	6	5	Tucson, Ariz.	89	57	3	2
Evansville, Ind.	451	257	27	29					
Flint, Mich. **	50	32	1	3	PACIFIC	1,979	1,269	54	76
Fort Wayne, Ind.	64	36	4	4	Berkeley, Calif.	30	20	-	2
Gary, Ind.	57	30	1	10	Fresno, Calif.	64	38	1	3
Grand Rapids, Mich.	50	19	5	5	Glendale, Calif.	42	27	-	-
Indianapolis, Ind.	63	36	4	11	Honolulu, Hawaii	50	26	5	1
Madison, Wis.	160	89	8	2	Long Beach, Calif.	124	85	2	10
Milwaukee, Wis.	46	21	2	10	Los Angeles, Calif.	669	437	13	21
Peoria, Ill.	176	126	5	18	Oakland, Calif.	101	66	1	3
Rockford, Ill.	43	27	1	2	Pasadena, Calif.	40	32	-	2
South Bend, Ind.	59	33	4	4	Portland, Ore.	175	123	6	3
Toledo, Ohio	76	53	-	12	Sacramento, Calif.	69	50	3	1
Youngstown, Ohio	148	100	3	6	San Diego, Calif.	125	78	4	3
	64	43	4	3	San Francisco, Calif.	208	112	9	8
					San Jose, Calif.	41	23	3	4
WEST NORTH CENTRAL					Seattle, Wash.	136	81	2	5
Des Moines, Iowa	951	598	29	62	Spokane, Wash.	57	37	4	8
Duluth, Minn.	61	37	1	2	Tacoma, Wash.	48	34	1	2
Kansas City, Kans.	41	26	1	3					
Kansas City, Mo.	39	24	6	4	Total	14,718	8,820	530	1,070
Lincoln, Nebr.	154	92	5	6	Expected Number	13,553	7,890	592	590
Minneapolis, Minn.	53	39	2	14	Cumulative Total				
Omaha, Nebr.	118	75	1	5	(includes reported corrections	60,486	35,939	2,240	3,594
St. Louis, Mo.	107	61	3	2	for previous weeks)				
St. Paul, Minn.	248	161	5	12					
Wichita, Kans.	87	56	2	4					
	43	27	3	10					
Las Vegas, Nev.*	24	12	-	2					

*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 Ending January 22, 1972
 ** Estimate Based on Average Percent of Divisional Total

INTERNATIONAL NOTES
FOLLOW-UP ON POLIOMYELITIS – Trinidad and Tobago

As of Feb. 1, 1972, a total of 158 poliomyelitis cases with nine deaths were reported from Trinidad. The epidemic began in November 1971 (MMWR, Vol. 21, No. 3). Most cases have occurred in children from 3 months to 5 years of age; 78 type 1 polio virus isolates have been identified. An extensive immunization campaign has been carried out. The Pan American Health Organization recommends that travelers to the area be immunized against polio.

(Reported by the Pan American Health Organization, Washington, D.C.)

Editorial Note

CDC recommends that the following immunization sched-

ule be considered for travelers to the Caribbean:

If a person has had three doses of oral polio vaccine or four doses of inactivated polio vaccine, a single reinforcing dose of trivalent oral polio vaccine should be administered. If prior vaccination has not been accomplished in this fashion, and if time permits, the 3-dose oral immunization series should be given. If there is not enough time for the full series, a single dose should be given immediately, followed by a second and third dose at 6-8 week intervals, either while abroad or after returning home.

QUARANTINE MEASURES

*Changes in the "Supplement – Vaccination Certificate Requirements for International Travel,"
MMWR, Vol. 19, No. 21*

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

Bulgaria

Delete the note concerning smallpox, and insert: Smallpox – Except European countries and United States of America.

Central African Republic

Delete all information concerning cholera, and insert: II, Cholera – And from all countries any parts of which are infected.*

Iran

In the note concerning cholera, delete Kenya.

Kuwait

Delete all information, and insert: Cholera and Yellow Fever: II, +1 year: Smallpox: I, +3 months. Cholera – And from all countries any parts of which are infected. The certificate must show two injections of vaccine at one week intervals.*

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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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