



Morbidity and Mortality

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EPIDEMIOLOGIC NOTES AND REPORTS

INFLUENZA - Colorado, Massachusetts, Pennsylvania

Colorado

During the last week of November and the first week of December 1972, an outbreak of 153 cases of influenza-like disease was reported in Pueblo, Colorado. No attempts at viral isolation have been made, but the disease was characteristic of influenza. Symptoms included headache, myalgia, and fever. (Reported by L. Hoyle, M.D., Director, Pueblo County Health Department; and Thomas M. Vernon, Jr., M.D., State Epidemiologist, Colorado State Department of Public Health.)

Massachusetts

During the week of Dec. 4, 1972, an outbreak of influenza-like disease occurred at West Bridgewater State College and Stonehill State College. Throat washings from students at these schools were identified by the state laboratory as being influenza A, and specimens were sent to CDC for fur-

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ther typing. In addition, influenza A isolates have been obtained from patients in Worcester and Quincy, Massachusetts. (Reported by Nicholas J. Fiumara, M.D., Director, Division of Communicable Diseases, Massachusetts Department of Public Health.)

Pennsylvania

Between Dec. 4 and 14, 1972, an outbreak of influenza-like disease was reported from the Keystone Job Corps Center

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

DISEASE	50th WEEK ENDING		MEDIAN 1967-1971	CUMULATIVE, FIRST 50 WEEKS		
	December 16, 1972	December 18, 1971		1972	1971	MEDIAN 1967-1971
Aseptic meningitis	73	75	55	4,145	5,003	4,249
Brucellosis	3	3	3	181	162	221
Chickenpox	3,227	--	--	134,197	--	--
Diphtheria	5	11	5	118	196	199
Encephalitis, primary:						
Arthropod-borne and unspecified	19	21	28	1,097	1,485	1,485
Post-infectious	5	5	6	266	321	364
Hepatitis, serum (Hepatitis B)	139	183	125	8,576	8,497	5,148
Hepatitis, infectious (Hepatitis A)	1,008	1,057	1,057	52,702	58,303	46,397
Malaria	4	56	56	802	2,818	2,818
Measles (rubeola)	385	481	481	30,573	74,127	45,904
Meningococcal infections, total	25	30	49	1,290	2,109	2,379
Civilian	25	28	40	1,242	1,889	2,094
Military	--	2	5	48	220	220
Mumps	1,471	2,012	--	68,694	118,376	--
Rubella (German measles)	263	329	412	24,153	42,631	47,728
Tetanus	2	3	3	115	113	156
Tuberculosis, new active	622	--	--	32,596	--	--
Tularemia	4	4	4	136	177	159
Typhoid fever	10	5	7	372	405	392
Typhus, tick-borne (Rky. Mt. spotted fever)	1	2	1	519	402	338
Venereal Diseases:†						
Gonorrhea	15,229	13,939	--	730,130	642,387	--
Syphilis, primary and secondary	503	471	--	24,761	22,835	--
Rabies in animals	41	65	60	3,850	3,789	3,257

TABLE II. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	2	Polio myelitis, total:	23
Botulism:	9	Paralytic:	20
Congenital rubella syndrome:	33	Psittacosis:	33
Leprosy: Calif. - 1, Tex. - 2	120	Rabies in man:	1
Leptospirosis:	34	Trichinosis: N.Y.C. - 1	78
Plague:	1	Typhus, murine: Tex. - 2	16

†Numbers for 1971 are estimated from quarterly reports to the Venereal Disease Branch, CDC

INFLUENZA — Continued

for Women in Drums, Pennsylvania. Of the 530 girls living at the Center, 50 to 60% became ill with headache, myalgia, fever, and occasionally dry cough. Eleven of 18 throat washings obtained from the ill girls were identified as influenza A at the state laboratory. Strain-specific typing is currently

being performed at CDC.

(Reported by M. E. Mastro, M.D., Director of Health Services, Keystone Job Corps Center for Women; J. Grandstrom, Immunization Representative, Region II; W. D. Schrack, Jr., M.D., Director, Division of Communicable Diseases, Pennsylvania Department of Health.)

VIBRIO PARAHAEMOLYTICUS — New Jersey

On Oct. 10, 1972, a private physician reported that six people from Gloucester County, New Jersey, had become ill after eating seafood. Subsequently, two additional cases were reported, and a search of emergency room records disclosed four more cases. A total of four family units consisting of 15 members were affected. The twelve persons who became ill complained of nausea, severe abdominal cramps, and diarrhea, and two also reported vomiting. The incubation period between eating the seafood and onset of illness was between 12 and 15 hours, and the duration of illness ranged from 14 hours to 3 days. None of the patients required hospitalization. Stool specimens from two patients yielded *Vibrio parahaemolyticus*.

Epidemiologic investigation revealed that all four families had purchased cooked shrimp and crabs from the same seafood bar on October 6 and had eaten the food that day. Thirteen of the 15 individuals ate shrimp, and 12 became ill. Eight of these 13 also ate crabs, and all eight became ill. None

of the people ate crabs without shrimp. Two persons who ate neither crabs nor shrimp remained well.

Further investigation revealed that the shrimp was received frozen at the seafood bar from a wholesaler in Philadelphia, Pennsylvania, who bought shrimp from numerous sources within and outside the United States. However, the original source of the shrimp sold on October 6 could not be determined. The raw crabs came to the seafood bar from Chesapeake Bay. Both the crabs and shrimp were cooked at the seafood bar and then placed in the baskets used for shipping the raw crabs. Swabs of these shipping baskets were tested and found to be positive for *V. parahaemolyticus*. (Reported by Henry Thompson, Public Health Coordinator, and Lee Budd, Sanitarian, Gloucester County Health Department; Augustus Wharton, D.V.M., Barbara Michalak, D.O., and Ronald Altman, M.D., Director, Epidemiological Services, New Jersey State Department of Health.)

INTERNATIONAL NOTES**POSSIBLE ADVERSE REACTION TO DUCK EMBRYO RABIES VACCINE — Thailand**

A 50-year-old woman in Bangkok, Thailand, had onset of giddiness, abdominal pain, and mild diarrhea. Several hours later, she developed severe hypotension and was admitted to the U.S. Army Hospital intensive care unit for treatment of shock. Physical examination revealed a temperature of 100.2°F. rectally, a pulse of 90, a blood pressure of 78/52, and respirations of 16. She had mild cyanosis of lips and finger beds. There was no venous distention, murmur, or gallop, and peripheral pulses were present in all extremities. She was alert and oriented and had no neurologic abnormalities. Her white blood cell count was 30,000 with 82% neutrophils (5% bands), 15 lymphocytes, and a hematocrit of 47%. Urine specific gravity was 1.044, and a urine culture grew greater than 100,000 *Escherichia coli* per cmm. An electrocardiogram after an epinephrine injection revealed sinus tachycardia and S-T changes consistent with ischemia; however, repeated electrocardiograms during the subsequent 2-day hospitalization period were within normal limits. She was initially treated for gram-negative shock with vasopressors, steroids, and ampicillin. She first required intravenous Lasix* to maintain adequate urine output, but during the next 24

hours, her systolic pressure gradually rose to greater than 100.

Investigation revealed that the patient had received her third monthly preexposure injection of duck embryo rabies vaccine (DEV) on the morning of admission.

(Reported by Col. John P. Canby, M.D., U.S. Army Hospital, Bangkok, Thailand.)

Editorial Note

The temporal association between administration of DEV and the subsequent onset of clinically consistent signs in the absence of a plausible alternative explanation strongly suggest vaccine reaction as the cause of illness in this case. Based on data available to CDC, anaphylactic reactions to DEV are rare. In the first 14 years of use after licensure in 1957, an estimated 424,000 persons were vaccinated with DEV. In this period, 22 cases of vaccine-associated anaphylaxis were reported with no deaths. A minimum estimate of the incidence of reactions is, therefore, 5.2 per 100,000 vaccinees. Most reactions occurred after one of the first three injections.

*Inclusion of trade names does not imply endorsement by the Public Health Service or the U.S. Department of Health, Education, and Welfare.

SMALLPOX — Africa, Asia**Africa**

As of Nov. 28, 1972, a total of 55,866 cases of smallpox had been reported to the World Health Organization, an increase of 24% compared with the same period in 1971. At least 60,000 cases are expected to be reported in 1972 compared with 52,592 cases in 1971. At present, seven countries are considered to have endemic smallpox. Data reported from Africa and Asia are summarized below.

As of November 14, cases of smallpox had been detected in only six African countries during the preceding 15 months. In the French Territory of the Afars and the Issas, South Africa, and Uganda, cases have occurred following introductions from Ethiopia, Botswana, and Sudan, respectively. All have been contained. Intensive containment activi-

ties in Botswana have now virtually succeeded in interrupting transmission, and no cases have been detected for almost a month. However, surveillance teams are continuing to conduct an active search for undetected foci.

The number of areas reporting smallpox cases in Sudan and Ethiopia in October had decreased since July, reflecting the increasing efficacy of program activities as well as the seasonal period of low incidence.

In Sudan, smallpox now appears to be confined to two of the three southern provinces. No cases have been detected in the six northern provinces for over 2 months. Between October 1 and November 14, only five rural councils reported cases. However, intensified surveillance activities, which are now beginning as the rainy season ends, are expected to detect additional outbreaks in remote, previously inaccessible areas.

Ethiopia has reported 25% fewer cases this year than last year, and transmission appears to have been virtually interrupted in eight of the 19 provinces. In three provinces, no cases have been detected for more than 5 months despite a continuing active search by surveillance teams. Presently, the most heavily afflicted areas are in central and north-central Ethiopia.

Asia

There appear to be three major endemic areas in the subcontinent of Asia: Sind and Baluchistan Provinces of Pakistan; Bihar, Madhya Pradesh, Uttar Pradesh, and West Bengal States of central India; and southwestern Bangladesh. These areas account for 76% of all cases reported from the

subcontinent in 1972, and six districts within these areas account for 40% of all cases reported from the subcontinent since June. These districts are all located on or near the border of India and Bangladesh.

In Pakistan, smallpox incidence appears to be greatest in Sind Province where additional foci are being discovered, as surveillance teams extend their activities over a wider area. However, in the city of Karachi (population approximately 4 million), which has been a major focus for smallpox in the past, no cases have been detected for 10 weeks.

In India, 49 cases were reported in October from Jammu and Kashmir, which had been previously considered smallpox-free. In Nepal, Bheri Zone reported 16 cases during the first week of November, the first cases reported from this zone for over 4 months.

Smallpox incidence on the subcontinent of Asia is expected to follow the pattern of seasonal increase observed in previous years starting from a low point in September or October and reaching a peak in March or April. Intensive efforts must be made to contain and eliminate those foci which have been defined and to prevent spread to neighboring areas.

(Reported by the World Health Organization: Weekly Epidemiological Record, Vol. 47, Nos. 46 and 48.)

Editorial Note

Although there has been an increase in reported smallpox cases in this 11-month period, this is mainly due to improved case detection.

SUMMARY OF REPORTED CASES OF INFECTIOUS SYPHILIS

CASES OF PRIMARY AND SECONDARY SYPHILIS: By Reporting Areas - November 1972 and November 1971 - Provisional Data

Reporting Area	November		Cumulative Jan. - Nov.		Reporting Area	November		Cumulative Jan. - Nov.	
	1972	1971	1972	1971		1972	1971	1972	1971
NEW ENGLAND	75	62	805	557	EAST SOUTH CENTRAL	200	109	1,437	1,171
Maine	3	1	26	13	Kentucky	60	24	355	303
New Hampshire	—	—	8	5	Tennessee	91	41	508	351
Vermont	—	—	14	5	Alabama	17	13	204	155
Massachusetts	48	25	469	276	Mississippi	32	31	370	362
Rhode Island	1	3	42	35	WEST SOUTH CENTRAL	253	268	2,735	3,307
Connecticut	23	33	246	223	Arkansas	8	18	167	223
MIDDLE ATLANTIC	557	506	5,526	5,305	Louisiana	62	51	810	681
Upstate New York	35	50	392	430	Oklahoma	15	10	104	95
New York City	360	342	3,792	3,625	Texas	168	189	1,654	2,308
Pa. (Excl. Phila.)	19	24	175	147	MOUNTAIN	56	40	481	537
Philadelphia	27	25	309	211	Montana	—	1	7	1
New Jersey	116	65	858	892	Idaho	2	—	8	12
EAST NORTH CENTRAL	210	239	2,393	2,487	Wyoming	1	—	11	3
Ohio	19	30	285	427	Colorado	18	9	81	61
Indiana	37	27	250	312	New Mexico	9	14	98	146
Downstate Illinois	9	6	127	135	Arizona	19	9	180	195
Chicago	67	77	968	779	Utah	2	1	19	16
Michigan	65	92	702	776	Nevada	5	6	77	103
Wisconsin	13	7	61	58	PACIFIC	383	303	3,294	3,038
WEST NORTH CENTRAL	17	38	266	387	Washington	10	5	116	132
Minnesota	9	11	55	64	Oregon	1	1	37	13
Iowa	—	6	48	23	California	367	297	3,103	2,855
Missouri	6	17	104	219	Alaska	—	—	13	22
North Dakota	—	—	2	9	Hawaii	5	—	25	16
South Dakota	—	1	2	9	U.S. TOTAL	2,306	2,095	22,908	22,092
Nebraska	—	—	17	22	TERRITORIES	68	55	804	788
Kansas	2	3	38	45	Puerto Rico	56	52	717	759
SOUTH ATLANTIC	555	530	5,971	5,303	Virgin Islands	12	3	87	29
Delaware	6	3	55	34					
Maryland	41	83	772	585					
District of Columbia	78	65	790	577					
Virginia	71	42	528	325					
West Virginia	2	4	32	31					
North Carolina	59	44	512	403					
South Carolina	58	35	462	344					
Georgia	106	131	1,304	1,463					
Florida	134	123	1,516	1,541					

Note: Cumulative Totals include revised and delayed reports through previous months.

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TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDING DECEMBER 16, 1972 AND DECEMBER 18, 1971 (50th WEEK)

AREA	ASEPTIC MENIN- GITIS	BRUCEL- LOSIS	CHICKEN- POX	DIPHTHERIA		ENCEPHALITIS			HEPATITIS		
						Primary including unspec. cases		Post In- fectious	Serum (Hepatitis B)	Infectious (Hepatitis A)	
						1972	1971	1972	1972	1972	1971
UNITED STATES	73	3	3,227	5	118	19	21	5	139	1,008	1,057
NEW ENGLAND	2	—	347	—	—	1	—	—	4	59	95
Maine *	—	—	38	—	—	—	—	—	—	—	8
New Hampshire *	2	—	2	—	—	—	—	—	—	12	6
Vermont	—	—	1	—	—	—	—	—	—	1	6
Massachusetts	—	—	133	—	—	1	—	—	1	30	39
Rhode Island	—	—	97	—	—	—	—	—	1	6	17
Connecticut	—	—	76	—	—	—	—	—	2	10	19
MIDDLE ATLANTIC	11	—	204	—	3	3	10	—	29	126	201
Upstate New York	—	—	1	—	1	—	6	—	3	38	47
New York City	2	—	49	—	2	1	1	—	10	25	41
New Jersey *	8	—	NN	—	—	—	—	—	10	33	53
Pennsylvania	1	—	154	—	—	2	3	—	6	30	60
EAST NORTH CENTRAL	7	—	1,345	—	4	7	2	3	33	144	141
Ohio *	3	—	186	—	—	4	—	—	18	25	32
Indiana	—	—	207	—	—	—	—	—	1	10	5
Illinois	1	—	—	—	3	1	—	3	5	28	79
Michigan	2	—	354	—	1	2	1	—	7	75	15
Wisconsin	1	—	598	—	—	—	1	—	2	6	10
WEST NORTH CENTRAL	7	—	457	2	20	—	3	1	7	54	24
Minnesota	7	—	13	—	—	—	1	—	1	5	4
Iowa	—	—	306	—	—	—	1	1	1	7	3
Missouri	—	—	71	—	—	—	—	—	1	31	5
North Dakota	—	—	36	—	—	—	—	—	—	—	3
South Dakota	—	—	—	2	17	—	1	—	—	4	4
Nebraska	—	—	6	—	3	—	—	—	—	1	1
Kansas	—	—	25	—	—	—	—	—	4	6	4
SOUTH ATLANTIC	15	1	340	—	10	2	2	—	5	156	177
Delaware	—	—	14	—	—	—	—	—	—	3	4
Maryland	1	—	11	—	1	—	—	—	—	16	23
District of Columbia	—	—	—	—	—	—	—	—	—	5	3
Virginia	5	—	29	—	—	—	—	—	2	20	29
West Virginia *	—	—	275	—	—	—	—	—	—	9	17
North Carolina	1	—	NN	—	—	—	—	—	—	18	31
South Carolina	—	—	11	—	1	—	—	—	—	6	7
Georgia	—	1	—	—	3	—	—	—	—	30	11
Florida	8	—	—	—	5	2	2	—	3	49	52
EAST SOUTH CENTRAL	6	—	94	—	7	—	—	—	2	46	68
Kentucky	—	—	80	—	—	—	—	—	1	18	32
Tennessee	4	—	NN	—	—	—	—	—	1	25	24
Alabama	—	—	11	—	7	—	—	—	—	2	7
Mississippi	2	—	3	—	—	—	—	—	—	1	5
WEST SOUTH CENTRAL	4	—	189	1	43	3	—	—	8	111	98
Arkansas	—	—	—	—	—	—	—	—	—	10	2
Louisiana	2	—	NN	—	5	1	—	—	2	12	18
Oklahoma	—	—	3	—	1	1	—	—	—	23	13
Texas	2	—	186	1	37	1	—	—	6	66	65
MOUNTAIN	2	—	97	1	8	—	2	—	2	78	42
Montana	—	—	18	—	—	—	—	—	—	14	4
Idaho	—	—	—	—	2	—	—	—	—	12	2
Wyoming	—	—	1	—	—	—	—	—	—	—	1
Colorado *	—	—	22	—	1	—	1	—	1	29	8
New Mexico	—	—	26	1	3	—	1	—	—	5	7
Arizona	2	—	27	—	2	—	—	—	—	11	15
Utah	—	—	3	—	—	—	—	—	1	7	5
Nevada	—	—	—	—	—	—	—	—	—	—	—
PACIFIC	19	2	154	1	23	3	2	1	49	234	211
Washington	—	—	138	1	19	—	—	—	1	26	19
Oregon	2	1	—	—	1	1	—	—	3	39	30
California	16	1	—	—	—	2	2	1	40	161	151
Alaska	1	—	2	—	2	—	—	—	5	6	11
Hawaii	—	—	14	—	—	—	—	—	—	2	—
Guam *	—	—	4	—	—	—	---	—	—	—	---
Puerto Rico	1	—	7	—	—	—	—	—	3	11	20
Virgin Islands	—	—	—	—	—	—	—	—	—	—	2

*Delayed reports: Aseptic meningitis: N.J. delete 1, Ohio delete 1, Guam 1
 Brucellosis: Colo. 1
 Chickenpox: Me. 45, Guam 2

Diphtheria: Colo. 1
 Hepatitis B: N.H. 1, W. Va. 1
 Hepatitis A: Me. 8, N.H. delete 1, Ohio delete 1, W. Va. delete 1, Guam 1

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 TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
 FOR WEEKS ENDING DECEMBER 16, 1972 AND DECEMBER 18, 1971 (50th WEEK)—Continued

AREA	MALARIA		MEASLES (Rubella)			MENINGOCOCCAL INFECTIONS, TOTAL			MUMPS		RUBELLA	
	1972	Cum. 1972	1972	Cumulative		1972	Cumulative		1972	Cum. 1972	1972	Cum. 1972
				1972	1971		1972	1971				
UNITED STATES	4	802	385	30,573	74,127	25	1,290	2,109	1,471	68,694	263	24,153
NEW ENGLAND	1	28	105	4,306	3,517	—	56	99	42	2,971	7	1,086
Maine *	—	2	—	253	1,492	—	4	9	2	323	—	81
New Hampshire *	—	3	15	783	218	—	3	22	—	193	—	34
Vermont	1	2	—	128	121	—	—	—	—	143	1	71
Massachusetts	—	10	26	1,119	255	—	25	37	27	769	4	508
Rhode Island	—	1	—	526	241	—	12	3	3	424	—	97
Connecticut	—	10	64	1,497	1,190	—	12	28	10	1,119	2	295
MIDDLE ATLANTIC	—	78	11	1,161	7,729	3	159	278	125	4,341	19	2,006
Upstate New York	—	18	6	174	699	2	38	84	NN	NN	1	251
New York City	—	19	5	422	3,809	1	44	56	96	2,438	3	264
New Jersey	—	19	—	499	1,289	—	30	60	18	1,041	14	1,208
Pennsylvania	—	22	—	66	1,932	—	47	78	11	862	1	283
EAST NORTH CENTRAL	—	88	172	12,213	16,793	2	192	247	383	18,627	54	6,136
Ohio *	—	19	6	301	4,064	2	76	81	70	2,514	7	447
Indiana	—	1	15	1,358	2,987	—	14	20	15	1,216	9	788
Illinois	—	33	65	4,439	3,306	—	40	67	62	3,202	13	1,107
Michigan	—	32	21	2,302	2,621	—	54	64	76	3,466	8	1,415
Wisconsin	—	3	65	3,813	3,815	—	8	15	160	8,229	17	2,379
WEST NORTH CENTRAL	—	50	26	1,231	7,290	4	93	150	198	9,778	13	1,461
Minnesota	—	8	3	26	59	—	25	28	2	709	—	497
Iowa	—	3	18	896	2,693	—	6	14	125	6,811	5	447
Missouri	—	12	5	175	2,606	4	30	51	56	666	7	202
North Dakota	—	1	—	60	242	—	—	6	—	416	—	55
South Dakota	—	4	—	12	221	—	2	6	—	122	—	13
Nebraska	—	3	—	23	70	—	10	16	1	274	1	55
Kansas	—	19	—	39	1,399	—	20	29	14	780	—	192
SOUTH ATLANTIC	1	128	11	2,320	9,095	6	283	379	66	6,285	17	2,426
Delaware	—	—	2	56	42	—	1	2	13	163	4	12
Maryland	—	10	—	15	555	1	40	53	7	530	—	55
District of Columbia	—	8	—	2	16	1	12	14	3	31	—	7
Virginia	1	10	1	77	1,613	—	61	46	21	1,298	—	77
West Virginia	—	2	1	303	569	1	9	12	—	2,652	8	443
North Carolina	—	40	—	38	1,959	1	36	73	NN	NN	—	33
South Carolina	—	12	—	217	933	1	26	20	2	184	—	53
Georgia	—	29	—	195	1,138	—	22	26	—	27	1	67
Florida	—	17	7	1,417	2,270	1	76	133	20	1,400	4	1,679
EAST SOUTH CENTRAL	—	170	7	1,087	8,467	1	99	192	97	3,660	17	1,662
Kentucky	—	147	3	543	3,977	—	30	55	24	554	5	905
Tennessee	—	—	—	195	1,025	1	33	76	36	2,157	12	572
Alabama	—	18	—	154	1,971	—	20	35	36	823	—	68
Mississippi	—	5	4	195	1,494	—	16	26	1	126	—	117
WEST SOUTH CENTRAL	—	87	27	1,725	12,726	6	161	181	139	5,713	8	1,732
Arkansas	—	6	—	13	778	—	12	5	3	197	—	36
Louisiana	—	7	2	111	1,714	1	49	68	3	336	—	97
Oklahoma	—	6	1	11	758	2	14	10	—	166	—	43
Texas	—	68	24	1,590	9,476	3	86	98	133	5,014	8	1,556
MOUNTAIN	—	49	3	1,964	3,526	—	32	65	102	3,566	5	1,176
Montana	—	2	—	18	925	—	6	7	6	245	—	35
Idaho	—	3	2	155	274	—	8	11	1	229	—	37
Wyoming	—	1	—	51	85	—	1	2	37	372	—	8
Colorado	—	31	—	538	853	—	6	7	15	810	4	536
New Mexico	—	3	1	135	405	—	3	5	26	737	1	122
Arizona	—	7	—	907	641	—	1	9	17	984	—	397
Utah	—	2	—	159	336	—	6	20	—	140	—	38
Nevada	—	—	—	1	7	—	1	4	—	49	—	3
PACIFIC	2	124	23	4,566	4,984	3	215	518	319	13,753	123	6,468
Washington	—	1	—	996	1,163	—	20	36	68	4,079	21	937
Oregon	—	12	10	185	378	—	14	42	60	1,997	7	452
California	2	96	13	3,274	2,853	3	169	430	179	7,130	90	4,992
Alaska	—	3	—	13	63	—	9	1	10	239	5	28
Hawaii	—	12	—	98	527	—	3	9	2	308	—	59
Guam	—	2	—	16	—	—	13	—	2	14	—	12
Puerto Rico	—	5	30	1,040	622	—	4	10	6	939	1	34
Virgin Islands	—	—	—	3	17	—	2	—	—	130	—	3

*Delayed reports: Measles: N.H. 18

Mumps: Me. 13, Ohio delete 2

Rubella: Me. 1

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDING DECEMBER 16, 1972 AND DECEMBER 18, 1971 (50th WEEK) - Continued

AREA	TETANUS	TB (New Active)	TULAREMIA		TYPHOID FEVER		TYPHUS FEVER TICK-BORNE (Rky. Mt. spotted fever)		VENEREAL DISEASES		RABIES IN ANIMALS	
									GONOR- RHEA	SYPHILIS (Pri. & Sec.)	1972	Cum. 1972
UNITED STATES	2	622	4	136	10	372	1	519	15,229	503	41	3,850
NEW ENGLAND	-	21	-	-	-	16	-	2	376	6	-	116
Maine	-	3	-	-	-	-	-	-	29	-	-	91
New Hampshire	-	-	-	-	-	2	-	-	11	-	-	4
Vermont	-	-	-	-	-	-	-	-	25	-	-	9
Massachusetts	-	8	-	-	-	12	-	2	-	-	-	5
Rhode Island	-	2	-	-	-	-	-	-	61	1	-	2
Connecticut	-	8	-	-	-	2	-	-	250	5	-	5
MIDDLE ATLANTIC	1	127	-	1	2	57	-	39	2,926	132	3	104
Upstate New York	1	17	-	-	-	15	-	6	344	13	-	44
New York City	-	38	-	-	1	28	-	2	1,755	72	-	-
New Jersey	-	31	-	1	1	9	-	16	412	37	-	-
Pennsylvania	-	41	-	-	-	5	-	15	415	10	3	60
EAST NORTH CENTRAL	-	86	1	5	-	24	-	28	1,448	36	3	378
Ohio *	-	14	-	2	-	7	-	23	327	10	-	99
Indiana	-	3	-	-	-	1	-	-	274	5	-	74
Illinois	-	34	1	3	-	7	-	4	202	-	1	62
Michigan	-	23	-	-	-	7	-	-	440	18	-	9
Wisconsin *	-	12	-	-	-	2	-	1	205	3	2	134
WEST NORTH CENTRAL	-	27	-	29	2	10	-	19	558	5	14	1,103
Minnesota	-	1	-	-	-	1	-	-	143	3	5	283
Iowa	-	4	-	-	-	-	-	2	91	-	5	316
Missouri	-	14	-	21	1	4	-	11	57	1	-	100
North Dakota	-	2	-	-	-	-	-	-	12	-	4	147
South Dakota	-	2	-	1	-	-	-	4	33	-	-	116
Nebraska	-	1	-	1	-	1	-	-	94	-	-	16
Kansas	-	3	-	6	1	4	-	2	128	1	-	125
SOUTH ATLANTIC	1	122	1	17	2	47	-	257	3,130	134	1	394
Delaware	-	-	-	-	-	1	-	1	37	-	-	10
Maryland	-	14	-	1	-	9	-	31	407	7	-	19
District of Columbia	-	10	-	-	-	3	-	1	359	21	-	-
Virginia	-	13	1	14	1	12	-	57	309	45	1	99
West Virginia	-	8	-	-	-	1	-	3	33	1	-	58
North Carolina *	-	15	-	-	-	-	-	119	252	6	-	3
South Carolina *	-	7	-	-	-	3	-	20	-	-	-	13
Georgia	-	15	-	1	-	7	-	24	729	30	-	108
Florida	1	40	-	1	1	11	-	1	1,004	24	-	84
EAST SOUTH CENTRAL	-	44	1	9	-	40	1	100	1,775	64	4	617
Kentucky *	-	16	1	1	-	13	-	4	106	41	1	239
Tennessee	-	13	-	7	-	11	-	60	779	10	3	308
Alabama	-	8	-	1	-	11	1	20	653	4	-	67
Mississippi *	-	7	-	-	-	5	-	16	237	9	-	3
WEST SOUTH CENTRAL	-	54	1	61	1	45	-	63	1,587	52	8	762
Arkansas	-	5	1	35	1	15	-	15	115	1	2	110
Louisiana *	-	4	-	4	-	7	-	-	297	16	-	45
Oklahoma	-	-	-	12	-	3	-	35	30	1	-	281
Texas	-	45	-	10	-	20	-	13	1,145	34	6	326
MOUNTAIN	-	45	-	10	-	15	-	9	579	8	1	97
Montana	-	-	-	1	-	-	-	2	44	-	-	7
Idaho	-	3	-	-	-	-	-	6	42	-	-	-
Wyoming	-	1	-	-	-	-	-	-	6	1	-	1
Colorado	-	12	-	1	-	2	-	-	118	4	-	-
New Mexico	-	12	-	-	-	1	-	-	77	-	-	23
Arizona	-	9	-	2	-	9	-	-	206	3	1	55
Utah	-	3	-	6	-	3	-	1	49	-	-	9
Nevada	-	5	-	-	-	-	-	-	37	-	-	2
PACIFIC	-	96	-	4	3	118	-	2	2,850	66	7	279
Washington	-	21	-	-	-	4	-	1	349	2	-	-
Oregon	-	8	-	1	-	1	-	1	218	3	-	4
California	-	55	-	2	3	109	-	-	2,206	61	6	265
Alaska	-	-	-	1	-	-	-	-	23	-	1	10
Hawaii	-	12	-	-	-	4	-	-	54	-	-	-
Guam *	-	1	-	-	-	-	-	-	9	-	-	-
Puerto Rico	-	24	-	-	-	7	-	-	60	20	1	53
Virgin Islands	-	-	-	-	-	-	-	-	-	2	-	-

*Delayed reports: TB: Ohio delete 4, N.C. 1, S.C. 357, Ky. delete 1
Gonorrhea: Wisc. 196, La. delete 5, Guam 4
Syphilis: Miss. 1

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TABLE IV. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDING DECEMBER 16, 1972

Week No.

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(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	668	420	22	51	SOUTH ATLANTIC	1,167	658	40	49
Boston, Mass.	190	109	8	27	Atlanta, Ga.	146	73	4	7
Bridgeport, Conn.	57	37	2	3	Baltimore, Md.	226	113	9	11
Cambridge, Mass.	40	26	2	4	Charlotte, N. C.	50	33	1	1
Fall River, Mass.	20	17	—	—	Jacksonville, Fla.	63	40	1	—
Hartford, Conn.	50	30	2	—	Miami, Fla.	101	57	4	9
Lowell, Mass.	32	20	—	4	Norfolk, Va.	63	29	9	1
Lynn, Mass.	12	6	2	—	Richmond, Va.	78	44	4	4
New Bedford, Mass.	23	16	—	1	Savannah, Ga.	40	20	1	—
New Haven, Conn.	47	28	2	1	St. Petersburg, Fla.	91	80	—	5
Providence, R. I.	57	32	3	5	Tampa, Fla.	72	45	2	6
Somerville, Mass.	9	9	—	—	Washington, D. C.	195	101	5	3
Springfield, Mass.	45	29	—	2	Wilmington, Del.	42	23	—	2
Waterbury, Conn.	36	27	—	—					
Worcester, Mass.	50	34	1	4	EAST SOUTH CENTRAL	713	387	43	29
					Birmingham, Ala.	113	67	3	2
MIDDLE ATLANTIC	3,301	2,004	100	120	Chattanooga, Tenn.	70	38	3	8
Albany, N. Y.	50	35	—	1	Knoxville, Tenn.	42	27	—	1
Allentown, Pa.	29	21	1	1	Louisville, Ky.	134	73	4	11
Buffalo, N. Y.	131	75	7	6	Memphis, Tenn.	159	73	25	2
Camden, N. J.	46	37	—	2	Mobile, Ala.	67	36	2	1
Elizabeth, N. J.	22	13	—	3	Montgomery, Ala.	37	21	1	—
Erie, Pa.	36	22	1	5	Nashville, Tenn.	91	52	5	4
Jersey City, N. J. *	66	42	6	3					
Newark, N. J.	78	34	6	6	WEST SOUTH CENTRAL	1,355	710	108	35
New York City, N. Y. †	1,818	1,088	52	58	Austin, Tex.	50	30	3	2
Paterson, N. J.	35	22	—	1	Baton Rouge, La.	49	22	3	2
Philadelphia, Pa.	399	239	10	4	Corpus Christi, Tex.	33	18	2	1
Pittsburgh, Pa.	180	101	5	12	Dallas, Tex.	175	89	12	3
Reading, Pa.	36	26	1	3	El Paso, Tex.	48	27	2	9
Rochester, N. Y.	129	82	5	5	Fort Worth, Tex.	63	37	6	1
Schenectady, N. Y.	21	15	—	1	Houston, Tex.	313	147	43	1
Scranton, Pa.	46	37	1	1	Little Rock, Ark.	61	28	2	1
Syracuse, N. Y.	78	48	2	1	New Orleans, La.	164	88	6	2
Trenton, N. J.	48	32	3	2	Oklahoma City, Okla. *	96	55	7	2
Utica, N. Y.	29	19	—	3	San Antonio, Tex.	147	75	13	5
Yonkers, N. Y.	24	16	—	2	Shreveport, La.	76	40	4	3
					Tulsa, Okla.	80	54	5	3
EAST NORTH CENTRAL	2,516	1,441	97	67	MOUNTAIN	562	321	19	25
Akron, Ohio	64	36	2	—	Albuquerque, N. Mex.	63	33	2	2
Canton, Ohio	50	28	2	6	Colorado Springs, Colo.	52	28	4	6
Chicago, Ill.	786	401	38	19	Denver, Colo.	130	77	4	5
Cincinnati, Ohio	126	76	3	1	Las Vegas, Nev.	18	13	2	2
Cleveland, Ohio	212	107	5	5	Ogden, Utah	16	11	—	5
Columbus, Ohio	91	48	4	—	Phoenix, Ariz.	133	72	3	3
Dayton, Ohio	103	71	4	1	Pueblo, Colo.	9	7	—	2
Detroit, Mich.	362	205	16	4	Salt Lake City, Utah	65	43	1	—
Evansville, Ind.	45	31	—	2	Tucson, Ariz.	76	37	3	—
Fort Wayne, Ind.	31	20	1	2					
Gary, Ind.	23	11	2	2	PACIFIC	1,723	1,054	63	40
Grand Rapids, Mich.	54	42	—	2	Berkeley, Calif.	23	16	—	—
Indianapolis, Ind.	144	87	7	3	Fresno, Calif.	59	34	2	4
Madison, Wis.	35	19	3	5	Glendale, Calif.	21	12	1	—
Milwaukee, Wis.	135	96	—	4	Honolulu, Hawaii	43	18	7	1
Peoria, Ill.	45	31	3	3	Long Beach, Calif.	121	75	8	6
Rockford, Ill.	40	26	2	3	Los Angeles, Calif.	485	304	11	10
South Bend, Ind.	33	16	2	2	Oakland, Calif.	95	54	9	2
Toledo, Ohio	79	56	3	3	Pasadena, Calif.	38	29	—	1
Youngstown, Ohio	58	34	—	—	Portland, Oreg.	145	100	3	1
					Sacramento, Calif.	69	36	2	—
WEST NORTH CENTRAL	817	548	26	22	San Diego, Calif. *	115	67	5	1
Des Moines, Iowa	58	43	2	1	San Francisco, Calif.	218	125	10	5
Duluth, Minn.	18	15	—	2	San Jose, Calif.	38	25	—	1
Kansas City, Kans. *	38	20	3	2	Seattle, Wash.	153	96	2	5
Kansas City, Mo.	122	85	3	3	Spokane, Wash.	53	37	2	2
Lincoln, Nebr.	29	18	3	1	Tacoma, Wash.	47	26	1	1
Minneapolis, Minn.	113	78	4	2					
Omaha, Nebr.	75	48	2	—	Total	12,822	7,543	518	438
St. Louis, Mo.	245	160	4	7	Expected Number	13,203	7,705	560	506
St. Paul, Minn.	85	58	3	1	Cumulative Total (includes reported corrections for previous weeks)	633,318	369,037	25,043	24,035
Wichita, Kans.	34	23	2	3					

†Delayed report for week ending Dec. 9, 1972

*Estimate based on average percent of divisional total

**INTERNATIONAL NOTES
QUARANTINE MEASURES**

The following change should be made in the "Supplement - Vaccination Certificate Requirements for International Travel," MMWR, Vol. 21, No. 11:

France

Cholera - A certificate is also required from Syrian Arab Republic.

The following changes should be made in the "Supplement - United States Designated Yellow Fever Vaccination Centers," MMWR, Vol. 21, No. 20:

ARIZONA

Bisbee Cochise County Health Department 85603 (Center closed)

FLORIDA

Jacksonville U.S. PHS Outpatient Clinic 32201 (Change clinic hours to: Thurs., 2-3 p.m. only.)

IDAHO

Caldwell Southwest District Health Dept. 706 Main Street 83605 Telephone: 208, 459-0049 Clinic hours: By appointment. Fee charged. (New Center)

Errata

Vol. 21, No. 49, p. 422

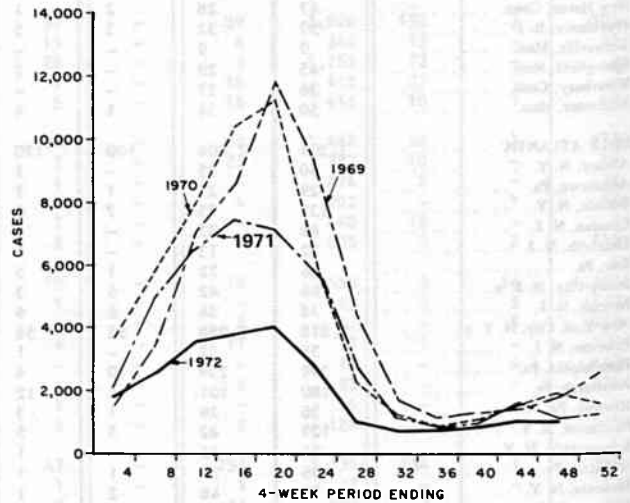
In the article, "Staphylococcal Food Poisoning - Wisconsin," correct the first sentence in the Editorial Note to

read, "Staphylococcus aureus was responsible for 29% of all foodborne outbreaks reported to CDC in 1972; 45% of foodborne outbreaks of bacterial etiology were caused by this organism."

Vol. 21, No. 49, p. 418

In Figure 1 of the article "Rubella - United States, First 39 Weeks, 1972," the line for 1971 was mislabeled. The correct figure is shown below.

**Figure 1
REPORTED CASES OF RUBELLA, BY 4-WEEK PERIODS
UNITED STATES - 1969-1972**



The Morbidity and Mortality Weekly Report, circulation 30,500, is published by the Center for Disease Control, Atlanta, Ga.

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Director, Epidemiology Program, CDC
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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.

Address all correspondence to: Center for Disease Control
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