

MMWR

MORBIDITY AND MORTALITY WEEKLY REPORT



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Current Trends

Follow-up on Plague — Arizona, California, New Mexico

Five more cases of plague have been reported to CDC, bringing the total number of reported cases for 1976 to 13 (Table 1). Two cases were acquired in New Mexico, 2 in Arizona, and 1 in California, in each case in a county where plague is enzootic. Two cases (11 and 12) had secondary pneumonic involvement.

The case history of patient 9, of particular interest because she traveled into an epizootic area, is described in detail below.

Case 9: From June 18-22, a San Francisco family of 5 camped at Plumas-Eureka State Park, Plumas County, California. They slept in a floored tent.

On June 20, the 5-year-old daughter developed a pruritic red papule on her chin. After returning to San Francisco, she developed a fever of 101°F on June 23; she was admitted to the hospital the next day. On physical exam, the patient was disoriented, with a fever of 105.8°F. There were small pinkish-purple lesions over the right lateral chin, occipital area, and lower back. No lymphadenopathy was detected; the remainder of the physical examination was within normal limits. Laboratory tests revealed a white blood cell count of 12,300/mm³ with a shift to the left. A chest X-ray was negative.

On June 24, the patient was begun on penicillin for presumed pneumococcal bacteremia. Later the same day, right cervical lymphadenopathy was noted, and the therapy was changed to methicillin (for presumed staphylococcal adenitis). On June 25, an admission blood culture grew bipolar staining gram negative rods. *Yersinia pestis* was confirmed by fluorescent antibody test and phage typing. The therapy was changed to streptomycin.

There was symptomatic improvement and lysis of fever. Five days later, therapy was changed to oral tetracycline. On July 4, progressive enlargement and fluctuance of a right cervical node caused severe pain and necessitated surgical incision and drainage. A gram stain of 10 ml of pus was negative, but cultures grew *Y. pestis*.

The Plumas-Eureka State Park was closed on June 26. Evidence was found of squirrel and chipmunk die-off in the southwestern corner of the Park. The die-off extended through a third of the campground area and included the patient's campsite where recently abandoned rodent burrows were noted. Ten percent DDT dusting of rodent bur-

rows was undertaken in areas where there was likelihood of human activity.

TABLE 1. Reported confirmed cases of plague in the United States, 1976

Case	Age	Sex	Month Onset	Outcome	County	State
1+	15	M	Feb.	R*	Coconino	AZ
2+	45	M	Apr.	F*	Kern	CA
3+	63	F	Apr.	F	Sandoval	NM
4++	16	F	May	R	Coconino	AZ
5++	22	F	May	R	Fremont	CO
6++	39	F	May	R	Bernalillo	NM
7++	12	F	June	R	Bernalillo	NM
8++	17	M	June	R	Rio Arriba	NM
9	5	F	June	R	Plumas	CA
10	12	M	June	R	Rio Arriba	NM
11	12	F	June	R	Coconino	AZ
12	5	M	July	R	Harding	NM
13	16	M	July	R	Apache	AZ

+ Reported MMWR 25(19):165, 1976

++ Reported MMWR 25(24):189, 1976

* R = Recovered; F = Fatal

Reported by Fort Defiance (Arizona) Indian Health Service Hospital; Indian Health Service staff, Tuba City (Arizona) Indian Hospital; JM Counts, DrPH, State Epidemiologist, J Dahl, PhD, F Marks, BS, Arizona State Dept of Health Services; MF Grossman, MD, K Hadley, MD, PhD, San Francisco General Hospital; E Braff, MD, San Francisco City-County Health Dept; SL Christenson, MD, Plumas County Health Dept; BC Nelson, PhD, SB Werner, MD, California State Dept of Health in California Morbidity, No. 26, July 9, 1976; M Burkhardt, MPH, JM Mann, MD, Acting State Epidemiologist, N McCraig, MD, E Wallen, MD, New Mexico Health and Social Services Dept; Plauge Br, Vector-borne Diseases Div, Bur of Laboratories; and Bacterial Zoonoses Br, Bacterial Diseases Div, Bur of Epidemiology, CDC.

Editorial Note: Travelers to wilderness areas should check with state and local health departments to determine if parks are closed for any health reason. There are also common-sense precautions that may be taken in wilderness areas. Any contact with rodents, including prairie dogs and ground squirrels, should be avoided. Sick or dead rodents or other mammals should never be handled, but they should be reported to local health authorities, park rangers, or campground supervisors.

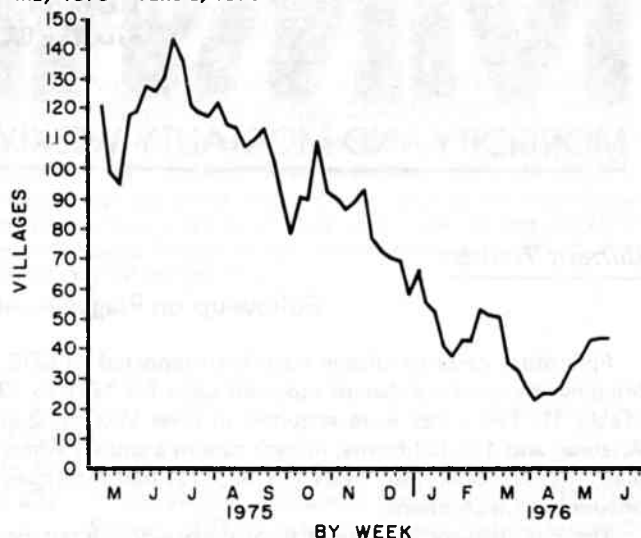
International Notes

Smallpox Surveillance

Through June 16, 1976, 792 cases of smallpox have been reported to the World Health Organization (WHO), less than 6% of the total recorded during this same period last year. Ethiopia, now the world's only endemic country, has reported 787 cases, and Somalia has recorded 5 cases, all of whom were Somali nomads who had been infected in Ethiopia. No cases have been detected in Asia since the last case occurred in Bangladesh on October 16, 1975.

In Ethiopia the steady decrease during March and April both in numbers of cases detected and numbers of infected villages was abruptly reversed in May (Figure 1). New foci were discovered in a northern highland area of Begemdir Province and among settled and nomadic populations encamped along the Wabi Shebale River in the southeastern Ogaden desert. Previously, the northern endemic areas had been confined to the central districts of Gojam Province and to adjacent areas in and near the Blue Nile gorge in Begemdir Province. In these areas only 11 infected villages remained as of June 5, but active cases were present in only 3. Extensive search throughout the rest of Gojam Province and the western districts of Wollo Province has revealed no additional foci. However, many of the adjacent areas of Begemdir Province remained inaccessible until very recently. With the extension of search activities to the north, an endemic focus about 40 km in diameter was found in Begem-

FIGURE 1. Number of villages with Smallpox, By Week, Ethiopia, May 1975 - June 5, 1976



dir 120 km north of the Blue Nile gorge. As of June 5, 140 cases in 24 infected villages have been discovered in adjacent areas of the Debre Tabor, Libo, and Gayint districts. The chain of transmission can be traced back to early (Continued on page 259)

Table I. Summary—Cases of Specified Notifiable Diseases: United States

(Cumulative totals include revised and delayed reports through previous weeks)

DISEASE	32nd WEEK ENDING		MEDIAN 1971-1975	CUMULATIVE, FIRST 32 WEEKS		
	August 14, 1976	August 9, 1975		August 14, 1976	August 9, 1975	MEDIAN 1971-1975
Aseptic meningitis	83	94	136	1,372	1,659	1,607
Brucellosis	9	7	3	156	144	105
Chickenpox	376	559	---	145,779	115,600	---
Diphtheria	2	1	2	121	199	114
Encephalitis						
Primary	27	48	29	496	517	532
Post-infectious	7	7	8	184	210	193
Hepatitis, Viral						
Type B	246	246	169	8,956	7,013	5,669
Type A	514	745	968	21,148	21,579	31,069
Type unspecified	127	172	---	5,418	5,002	---
Malaria	9	13	10	259	245	245
Measles (rubeola)	179	132	150	33,870	20,820	23,698
Meningococcal infections, total	27	20	20	1,098	991	986
Civilian	27	20	18	1,089	970	961
Military	---	---	1	9	21	25
Mumps	209	390	462	31,801	45,585	53,917
Pertussis	24	46	---	583	846	---
Rubella (German measles)	56	77	120	10,431	14,533	20,122
Tetanus	4	---	2	33	49	53
Tuberculosis	583	711	---	20,720	20,421	---
Tularemia	1	4	4	81	80	86
Typhoid fever	9	6	7	225	188	197
Typhus, tick-borne (Rky. Mt. spotted fever)	50	41	27	566	558	439
Venereal Diseases:						
Gonorrhea						
Civilian	21,865	23,207	---	607,152	594,453	---
Military	1,220	879	---	18,251	18,358	---
Syphilis, primary and secondary	427	507	---	14,803	15,738	---
Civilian	5	9	---	218	228	---
Military	---	---	---	---	---	---
Rabies in animals	62	42	63	1,686	1,561	2,303

Table II. Notifiable Diseases of Low Frequency: United States

	CUM.		CUM.
Anthrax	2	Poliomyelitis, total: Nebr. 1	8
Botulism	19	Paralytic	7
Congenital rubella syndrome	15	Paittedosis: Md. 1	30
Leprosy: N.Y. State 1	87	Rabies in man:	1
Leptospirosis: Ohio 1	26	Trichinosis: N.J. 1, Tenn. 1	66
Plague	12	Typhus, murine: Tex. 1	30

Table III
 Cases of Specified Notifiable Diseases: United States
 Weeks Ending August 14, 1976 and August 9, 1975 - 32nd Week

AREA REPORTING	ASEPTIC MENIN- GITIS	BRUCEL- LOSIS	CHICKEN- POX	DIPHTHERIA		ENCEPHALITIS			HEPATITIS, VIRAL			MALARIA	
						Primary: Arthropod- borne and Unspecified		Post In- fectious	Type B	Type A	Type Unspecified		
						1976	1975	1976	1976	1976	1976		
UNITED STATES	83	9	376	2	121	27	48	7	246	514	127	9	259
NEW ENGLAND	7	-	29	-	-	-	-	-	9	31	11	-	13
Maine*	-	-	-	-	-	-	-	-	-	1	1	-	-
New Hampshire*	-	-	-	-	-	-	-	-	-	1	-	-	-
Vermont	-	-	-	-	-	-	-	-	-	-	1	-	-
Massachusetts	-	-	13	-	-	-	-	-	2	5	9	-	6
Rhode Island	6	-	8	-	-	-	-	-	2	1	-	-	3
Connecticut	1	-	8	-	-	-	-	-	5	23	-	-	4
MIDDLE ATLANTIC	16	-	20	-	-	4	1	4	44	45	16	2	51
Upstate New York	9	-	2	-	-	1	-	-	7	15	8	-	10
New York City	1	-	18	-	-	-	-	-	9	5	-	1	22
New Jersey	4	-	NN	-	-	-	-	-	24	17	9	1	10
Pennsylvania	2	-	-	-	-	3	1	4	4	8	1	-	9
EAST NORTH CENTRAL ..	13	-	174	-	-	8	5	1	30	74	10	-	16
Ohio	3	-	7	-	-	3	1	-	1	16	-	-	7
Indiana	4	-	10	-	-	-	-	-	1	2	5	-	-
Illinois	-	-	66	-	-	-	-	1	6	10	1	-	2
Michigan	6	-	27	-	-	4	-	-	15	41	4	-	6
Wisconsin	-	-	64	-	-	1	4	-	7	5	-	-	1
WEST NORTH CENTRAL ..	2	1	9	-	4	3	11	1	17	21	3	2	16
Minnesota	-	-	2	-	-	-	1	-	2	6	-	-	3
Iowa	-	-	1	-	-	-	-	1	1	1	2	-	-
Missouri*	2	-	-	-	1	2	-	-	5	7	-	1	9
North Dakota	-	-	5	-	-	-	9	-	-	2	-	-	-
South Dakota	-	1	-	-	3	-	1	-	1	-	-	-	2
Nebraska	-	-	-	-	-	-	-	-	-	2	1	-	1
Kansas	-	-	1	-	-	1	-	-	8	3	-	1	1
SOUTH ATLANTIC	4	3	57	-	-	-	3	-	24	59	28	1	40
Delaware	-	-	-	-	-	-	-	-	-	-	-	-	-
Maryland	-	1	-	-	-	-	-	-	10	4	6	1	6
District of Columbia	-	-	7	-	-	-	1	-	3	4	-	-	5
Virginia	2	2	7	-	-	-	-	-	3	4	6	-	8
West Virginia	-	-	31	-	-	-	-	-	2	2	-	-	1
North Carolina	1	-	NN	-	-	-	2	-	2	6	3	-	4
South Carolina	-	-	-	-	-	-	-	-	1	4	2	-	1
Georgia	-	-	-	-	-	-	-	-	-	24	-	-	4
Florida	1	-	12	-	-	-	-	-	3	11	11	-	11
EAST SOUTH CENTRAL ..	9	2	3	-	-	1	20	1	26	67	5	-	1
Kentucky	4	-	3	-	-	-	-	-	5	14	2	-	-
Tennessee	2	2	NN	-	-	1	1	1	12	26	1	-	-
Alabama	3	-	-	-	-	-	6	-	8	6	2	-	-
Mississippi*	-	-	-	-	-	-	13	-	1	21	-	-	1
WEST SOUTH CENTRAL ..	8	3	25	-	1	7	8	-	7	43	11	1	11
Arkansas	1	-	-	-	-	-	6	-	1	13	3	-	-
Louisiana	1	-	NN	-	-	3	-	-	3	13	2	-	1
Oklahoma	-	-	4	-	-	1	1	-	3	14	2	-	1
Texas	6	3	21	-	1	3	1	-	-	3	4	1	9
MOUNTAIN	-	-	44	-	4	-	-	-	15	53	17	-	10
Montana	-	-	4	-	-	-	-	-	-	5	-	-	-
Idaho	-	-	-	-	-	-	-	-	-	3	1	-	-
Wyoming	-	-	-	-	-	-	-	-	-	-	-	-	-
Colorado	-	-	19	-	3	-	-	-	3	8	3	-	7
New Mexico	-	-	-	-	1	-	-	-	-	13	1	-	1
Arizona	-	-	NN	-	-	-	-	-	12	17	2	-	1
Utah	-	-	21	-	-	-	-	-	-	7	10	-	-
Nevada*	-	-	-	-	-	-	-	-	-	-	-	-	1
PACIFIC	24	-	15	2	112	4	-	-	74	121	24	3	101
Washington	-	-	9	2	108	-	-	-	1	4	1	-	2
Oregon	-	-	1	-	-	-	-	-	7	25	2	-	5
California*	24	-	-	-	1	4	-	-	65	87	21	3	93
Alaska	-	-	1	-	3	-	-	-	-	-	-	-	-
Hawaii	-	-	4	-	-	-	-	-	1	5	-	-	1
Guam*	-	-	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico	-	-	15	-	1	-	1	-	4	18	-	-	1
Virgin Islands	-	-	-	-	-	-	-	-	-	-	-	-	-

NN: Not Notifiable

*Delayed Reports: Asep. Meng.: New Hamp. add 1, Miss. add 10; Chickenpox: Me. add 1, Nev. add 1, Calif. add 1, Guam add 2; Enceph.: Miss. add 24; Enceph., post: Mo. add 1; Hep. A: Mo. add 1, Nev. add 8

Table III-Continued
 Cases of Specified Notifiable Diseases: United States
 Weeks Ending August 14, 1976 and August 9, 1975 - 32nd Week

REPORTING AREA	MEASLES (Rubella)			MENINGOCOCCAL INFECTIONS TOTAL			MUMPS		PERTUSSIS	RUBELLA		TETANUS
	1978	CUMULATIVE		1978	CUMULATIVE		1978	CUM. 1978	1978	1978	CUM. 1978	CUM. 1978
		1975	1976		1975	1976						
UNITED STATES	179	33,870	20,820	27	1,098	991	209	31,801	24	56	10,431	33
NEW ENGLAND	1	376	301	2	46	57	11	1,253	2	-	269	-
Maine*	-	6	12	-	1	6	1	110	-	-	3	-
New Hampshire*	-	11	21	1	4	2	-	25	-	-	11	-
Vermont	-	34	49	-	3	-	-	8	-	-	1	-
Massachusetts	-	37	110	-	12	20	1	149	1	-	135	-
Rhode Island	2	14	3	1	5	3	4	445	-	-	5	-
Connecticut	1	274	106	-	21	26	5	516	1	-	114	-
MIDDLE ATLANTIC	35	6,919	1,693	5	150	100	42	2,959	7	7	2,266	3
Upstate New York	20	2,902	528	3	61	28	6	367	5	2	599	2
New York City	8	445	134	-	38	29	22	1,570	2	1	138	-
New Jersey	2	591	457	-	19	17	8	491	-	4	1,334	-
Pennsylvania	5	2,981	574	2	32	26	6	531	-	-	195	1
EAST NORTH CENTRAL	104	14,348	6,176	3	165	135	58	13,199	3	17	3,883	1
Ohio	3	565	105	1	85	34	6	1,890	1	-	275	1
Indiana	10	3,250	352	-	6	6	5	1,423	-	7	696	-
Illinois	6	1,515	1,735	-	16	19	6	1,741	-	1	1,158	-
Michigan	76	5,692	2,992	2	49	58	7	4,813	2	6	1,354	-
Wisconsin	9	3,326	992	-	9	18	34	3,332	-	3	400	-
WEST NORTH CENTRAL	-	1,096	4,950	2	66	59	2	3,234	-	-	383	5
Minnesota	-	388	180	-	12	14	-	543	-	-	26	1
Iowa	-	33	564	1	9	5	1	1,147	-	-	84	-
Missouri	-	17	262	-	24	29	-	309	-	-	31	2
North Dakota	-	3	1,048	-	3	-	-	121	-	-	3	1
South Dakota	-	4	356	-	1	1	-	7	-	-	18	-
Nebraska	-	55	395	1	4	2	-	99	-	-	3	-
Kansas	-	596	2,145	-	13	8	1	1,008	-	-	218	1
SOUTH ATLANTIC	6	2,238	313	1	198	202	12	2,409	7	-	1,262	7
Delaware	-	128	35	-	6	6	1	50	-	-	33	-
Maryland	-	829	48	-	16	24	6	652	-	-	3	2
District of Columbia	-	12	1	-	2	5	-	100	-	-	45	-
Virginia	5	747	36	-	24	17	1	193	-	-	233	1
West Virginia	-	183	136	-	6	5	1	738	1	-	279	-
North Carolina	-	15	2	-	37	36	2	371	6	-	17	-
South Carolina	-	4	-	1	36	32	-	39	-	-	590	-
Georgia	1	2	30	-	19	10	-	-	-	-	2	-
Florida	-	318	25	-	52	67	1	266	-	-	60	4
EAST SOUTH CENTRAL	5	807	270	2	98	149	22	2,709	1	2	344	7
Kentucky	4	741	83	1	18	61	7	947	1	2	154	2
Tennessee	1	50	176	1	42	47	13	1,453	-	-	178	4
Alabama	-	-	3	-	27	29	1	256	-	-	1	1
Mississippi	-	16	8	-	11	12	1	53	-	-	11	-
WEST SOUTH CENTRAL	10	677	285	7	172	159	27	2,232	3	12	502	7
Arkansas	-	-	-	-	11	8	-	71	-	-	190	-
Louisiana	-	187	-	4	33	27	-	22	-	-	85	2
Oklahoma	-	289	125	-	18	9	9	634	1	1	60	-
Texas	10	201	160	3	110	115	18	1,505	2	11	167	5
MOUNTAIN	-	5,062	1,384	-	37	34	12	1,097	-	7	469	1
Montana	-	202	42	-	4	7	-	20	-	2	234	-
Idaho	-	2,020	7	-	4	5	-	440	-	-	18	-
Wyoming	-	3	1	-	-	-	-	1	-	-	2	-
Colorado	-	305	1,158	-	11	9	4	220	-	1	22	-
New Mexico	-	15	13	-	3	4	-	127	-	-	31	-
Arizona	-	226	70	-	9	1	-	-	-	-	-	1
Utah	-	2,228	66	-	4	7	8	175	-	3	143	-
Nevada	-	63	27	-	2	1	-	114	-	1	19	-
PACIFIC	18	2,347	5,448	5	166	96	23	2,709	1	11	1,053	2
Washington	1	334	284	1	28	16	1	847	-	1	162	-
Oregon	-	151	196	1	15	4	2	342	-	1	134	1
California	13	1,855	4,905	1	103	73	19	1,474	1	9	739	1
Alaska	4	4	-	2	17	2	1	20	-	-	1	-
Hawaii	-	3	63	-	3	1	-	26	-	-	17	-
Guam	-	12	31	-	1	2	-	13	-	-	5	-
Puerto Rico	12	327	547	-	3	1	14	631	1	-	9	4
Virgin Islands	-	9	8	-	-	-	-	22	-	-	8	1

*Delayed Reports: Mumps: Me. add 4; Pertussis: New Hamp. add 1

Table III-Continued
 Cases of Specified Notifiable Diseases: United States
 Weeks Ending August 14, 1976 and August 9, 1975 - 32nd Week

REPORTING AREA	TUBERCULOSIS		TULA- REMIA	TYPHOID FEVER		TYPHUS-FEVER TICK-BORNE (RMSF)		VENEREAL DISEASES (Civilian Cases Only)					RABIES IN ANIMALS	
	1976	CUM. 1976	CUM. 1976	1976	CUM. 1976	1976	CUM. 1976	GONORRHEA		SYPHILIS (Pri. & Sec.)			CUM. 1976	
								1976	CUMULATIVE		1976	CUMULATIVE		
									1976	1976		1976		1976
UNITED STATES	583	20,720	81	9	225	50	566	21,865	607,152	594,453	427	14,803	15,738	1,686
NEW ENGLAND	18	741	1	1	18	-	7	650	16,865	16,292	20	468	539	32
Maine	-	48	-	-	-	-	-	43	1,405	1,245	-	13	19	17
New Hampshire*	-	30	-	-	2	-	-	25	462	457	1	9	11	-
Vermont	-	21	-	-	-	-	-	9	412	390	-	5	5	-
Massachusetts	9	448	1	-	13	-	4	337	8,211	7,583	18	332	342	12
Rhode Island	2	53	-	-	-	-	2	43	1,074	1,314	-	16	11	1
Connecticut	7	141	-	1	3	-	1	193	5,301	5,303	1	93	151	2
MIDDLE ATLANTIC	118	3,947	2	3	37	1	31	2,086	70,131	69,310	65	2,467	2,880	22
Upstate New York	20	611	2	-	5	1	19	280	10,887	12,350	2	149	268	7
New York City	53	1,631	-	1	19	-	3	1,080	31,938	29,799	28	1,514	1,651	-
New Jersey	19	750	-	-	8	-	7	131	10,564	9,608	21	377	448	3
Pennsylvania	26	955	-	2	5	-	2	595	16,742	17,553	14	427	513	12
EAST NORTH CENTRAL	105	2,898	1	-	20	1	10	4,031	96,741	97,229	53	1,340	1,295	105
Ohio*	29	548	-	-	6	1	8	1,451	23,999	26,973	4	306	304	12
Indiana	5	347	-	-	-	-	-	162	9,597	8,433	-	72	93	18
Illinois	40	987	1	-	5	-	-	1,333	33,794	33,618	38	738	626	17
Michigan	31	852	-	-	8	-	2	718	20,184	18,819	8	153	212	4
Wisconsin	-	164	-	-	1	-	-	367	9,167	9,386	3	71	60	54
WEST NORTH CENTRAL	36	756	20	-	11	7	14	1,363	31,334	29,352	10	259	390	441
Minnesota	3	133	3	-	6	-	-	255	5,715	6,118	3	60	72	98
Iowa	6	66	1	-	1	1	1	163	3,935	4,100	2	26	22	92
Missouri*	26	381	14	-	3	-	7	625	12,471	10,558	3	108	189	45
North Dakota	-	20	-	-	-	-	-	18	465	452	-	-	5	85
South Dakota	1	34	1	-	-	2	2	32	886	1,148	-	4	5	55
Nebraska	-	36	-	-	-	-	-	100	2,686	2,576	-	18	11	12
Kansas	-	86	1	-	1	4	4	170	5,176	4,400	2	43	86	54
SOUTH ATLANTIC	113	4,484	5	-	29	18	285	5,171	146,381	147,785	120	4,326	4,938	258
Delaware	-	49	-	-	-	-	1	86	2,002	2,116	2	44	62	10
Maryland	14	641	1	-	-	2	17	734	19,780	17,248	16	365	362	11
District of Columbia	9	191	-	-	-	-	-	339	8,678	8,746	12	393	427	-
Virginia	9	736	1	-	3	2	69	465	15,188	14,605	10	417	371	43
West Virginia	4	182	-	-	3	-	6	97	1,908	1,818	-	19	36	10
North Carolina*	31	808	3	-	1	7	125	1,355	21,827	20,802	26	807	616	6
South Carolina*	-	328	-	-	3	2	34	-	13,511	13,976	-	230	332	2
Georgia	18	539	-	-	2	5	32	960	27,541	27,532	15	470	644	127
Florida	28	1,010	-	-	17	-	1	1,135	35,946	40,942	39	1,581	2,088	49
EAST SOUTH CENTRAL	44	1,701	13	1	9	15	105	1,803	53,964	50,285	19	603	692	83
Kentucky	-	360	1	1	5	3	25	221	6,825	6,545	1	85	108	44
Tennessee	23	521	12	-	4	10	64	865	21,643	19,934	7	214	259	27
Alabama	14	510	-	-	-	-	4	424	15,185	13,794	8	127	159	12
Mississippi	7	310	-	-	-	2	12	293	10,311	10,012	3	177	166	-
WEST SOUTH CENTRAL	45	2,341	29	-	10	8	106	2,795	79,304	73,104	52	1,758	1,339	396
Arkansas	8	302	14	-	2	-	16	144	7,399	7,582	4	57	39	100
Louisiana	-	327	2	-	2	-	-	307	11,569	13,747	10	378	316	3
Oklahoma*	4	217	7	-	1	8	81	259	7,486	7,015	1	69	48	97
Texas	33	1,495	6	-	5	-	9	2,085	52,850	44,760	37	1,254	936	196
MOUNTAIN	20	575	2	-	18	-	3	780	23,315	23,065	14	490	369	92
Montana	-	35	2	-	2	-	-	38	1,228	1,241	-	6	4	60
Idaho	-	18	-	-	1	-	1	37	1,248	1,154	1	24	9	-
Wyoming	1	13	-	-	-	-	-	25	470	505	-	8	9	1
Colorado	-	96	-	-	4	-	1	219	6,042	5,708	3	107	66	4
New Mexico	4	104	-	-	1	-	1	133	4,608	4,170	6	154	102	3
Arizona*	14	262	-	-	9	-	-	271	6,858	6,354	4	148	133	18
Utah	1	24	-	-	1	-	-	35	1,210	1,480	-	17	11	6
Nevada*	-	23	-	-	-	-	-	22	1,651	2,453	-	26	35	-
PACIFIC	84	3,277	8	4	73	-	5	3,186	89,117	88,031	74	3,092	3,296	257
Washington*	-	309	2	-	3	-	4	298	7,485	8,047	-	79	118	4
Oregon	3	116	1	-	-	-	-	222	6,611	6,591	1	63	81	5
California	69	2,393	5	4	68	-	1	2,506	70,782	69,689	69	2,870	3,061	208
Alaska	-	61	-	-	-	-	-	104	2,538	2,137	1	12	4	40
Hawaii	12	398	-	-	2	-	-	56	1,701	1,567	3	68	32	-
Guam*	-	27	-	-	-	-	-	-	199	263	-	1	8	-
Puerto Rico	24	232	-	-	1	-	-	56	1,733	1,764	10	362	440	28
Virgin Islands	-	5	-	-	-	-	-	7	162	107	1	45	20	-

*Delayed Reports: TB: Ohio delete 1, Mo. delete 1, N. Car. delete 1, S. Car. delete 1, Ariz. delete 1, Wash. delete 48, Guam add 3; RMSF: Okla. add 1; GC: Okla. delete 48, Nev. add 82, Guam add 3; Syphilis: N. Hamp. delete 1 (Civ.), Mo. delete 1 (Mil.)

Table IV
Deaths in 121 United States Cities*
Week Ending August 14, 1976 - 32nd Week

REPORTING AREA	ALL CAUSES					Pneumonia and Influenza ALL AGES	REPORTING AREA	ALL CAUSES					Pneumonia and Influenza ALL AGES
	ALL AGES	65 Years and Over	45-64 Years	25-44 Years	Under 1 Year			ALL AGES	65 Years and Over	45-64 Years	25-44 Years	Under 1 Year	
NEW ENGLAND	587	364	162	37	14	42	SOUTH ATLANTIC ...	929	509	256	81	38	34
Boston, Mass.	160	83	59	13	5	12	Atlanta, Ga.	128	63	32	18	10	1
Bridgeport, Conn.	42	31	9	1	1	4	Baltimore, Md.	153	72	48	18	7	1
Cambridge, Mass.	26	22	4	-	-	8	Charlotte, N. C.	38	22	10	2	3	2
Fall River, Mass.	27	17	6	2	2	-	Jacksonville, Fla.	74	48	16	4	2	-
Hartford, Conn.	66	34	24	3	4	1	Miami, Fla.	76	42	24	3	1	2
Lowell, Mass.	26	17	7	2	-	1	Norfolk, Va.	33	12	14	5	1	6
Lynn, Mass.	17	14	-	2	-	-	Richmond, Va.	86	51	21	7	-	7
New Bedford, Mass.	18	12	6	-	-	1	Savannah, Ga.	37	17	14	4	-	2
New Haven, Conn.	43	27	10	4	-	-	St. Petersburg, Fla.	59	47	9	1	2	2
Providence, R.I.	48	29	14	3	-	4	Tampa, Fla.	68	36	20	6	2	5
Somerville, Mass.	11	7	3	-	-	3	Washington, D. C.	141	77	37	11	9	5
Springfield, Mass.	40	23	10	4	1	2	Wilmington, Del.	36	22	11	2	1	1
Waterbury, Conn.	19	13	5	1	-	2							
Worcester, Mass.	44	35	5	2	1	4							
MIDDLE ATLANTIC ...	2,675	1,626	687	164	92	119	EAST SOUTH CENTRAL	640	355	192	40	21	29
Albany, N. Y.	48	30	11	-	6	2	Birmingham, Ala.	104	55	33	6	5	1
Allentown, Pa.	22	11	3	3	2	1	Chattanooga, Tenn.	83	49	22	7	2	14
Buffalo, N. Y.	117	69	37	2	6	6	Knoxville, Tenn.	31	22	9	-	-	-
Camden, N. J.	36	23	9	4	-	1	Louisville, Ky.	92	55	30	3	2	8
Elizabeth, N. J.	20	19	1	-	-	-	Memphis, Tenn.	137	69	46	11	1	-
Erie, Pa.	38	22	10	2	2	2	Mobile, Ala.	68	39	17	6	2	1
Jersey City, N. J.	46	26	10	4	5	-	Montgomery, Ala.	23	11	6	3	2	3
Newark, N. J.	59	31	15	8	2	1	Nashville, Tenn.	102	55	29	4	7	2
New York City, N. Y.†	1,289	800	301	101	32	49	WEST SOUTH CENTRAL	1,116	594	306	91	53	30
Paterson, N. J.	34	22	8	2	1	6	Austin, Tex.	41	24	6	2	6	1
Philadelphia, Pa.	405	231	122	18	19	15	Baton Rouge, La.	20	10	8	1	-	1
Pittsburgh, Pa.	182	94	61	11	11	18	Corpus Christi, Tex.	37	18	8	4	2	3
Reading, Pa.	35	25	8	-	-	1	Dallas, Tex.	174	87	50	14	9	-
Rochester, N. Y.	104	72	23	3	1	5	El Paso, Tex.	55	25	15	8	4	4
Schenectady, N. Y.	22	18	3	1	-	2	Fort Worth, Tex.	104	64	24	7	4	6
Scranton, Pa.	54	34	16	2	1	5	Houston, Tex.	243	113	79	27	11	2
Syracuse, N. Y.	83	48	25	1	4	-	Little Rock, Ark.	54	31	13	1	5	-
Trenton, N. J.	30	20	8	-	-	1	New Orleans, La.	119	64	36	8	4	3
Utica, N. Y.	20	11	7	-	-	2	San Antonio, Tex.	134	69	40	9	4	3
Yonkers, N. Y.	31	20	9	2	-	2	Shreveport, La.	51	35	11	2	2	3
							Tulsa, Okla.	84	54	16	8	2	4
EAST NORTH CENTRAL	2,116	1,197	569	144	88	53	MOUNTAIN	500	276	118	43	26	13
Akron, Ohio	86	58	13	7	4	-	Albuquerque, N. Mex.	50	25	11	6	3	1
Canton, Ohio	32	20	11	-	-	1	Colorado Springs, Colo.	30	19	5	2	-	3
Chicago, Ill.	508	269	141	49	22	13	Denver, Colo.	116	49	38	10	7	2
Cincinnati, Ohio	170	87	47	11	13	5	Las Vegas, Nev.	20	12	6	2	-	1
Cleveland, Ohio	134	66	47	6	6	1	Ogden, Utah	35	22	7	2	2	3
Columbus, Ohio	137	80	32	9	5	5	Phoenix, Ariz.	112	58	29	14	5	-
Dayton, Ohio	90	56	17	7	1	2	Pueblo, Colo.	17	12	3	1	-	2
Detroit, Mich.	234	121	70	21	11	6	Salt Lake City, Utah	56	31	9	4	7	-
Evansville, Ind.	57	41	14	1	-	3	Tucson, Ariz.	64	48	10	2	2	1
Fort Wayne, Ind.	57	35	17	2	1	4							
Gary, Ind.	14	6	6	-	1	-	PACIFIC	1,672	1,080	397	97	49	35
Grand Rapids, Mich.	55	28	18	5	2	4	Berkeley, Calif.	28	20	6	1	-	-
Indianapolis, Ind.	131	80	25	8	7	2	Fresno, Calif.	56	34	11	6	3	-
Madison, Wis.	43	26	8	6	3	3	Glendale, Calif.	31	25	4	2	-	1
Milwaukee, Wis.	124	77	34	4	3	-	Honolulu, Hawaii	46	26	11	4	2	1
Peoria, Ill.	29	18	8	2	1	-	Long Beach, Calif.	95	71	18	3	1	2
Rockford, Ill.	36	22	11	1	-	1	Los Angeles, Calif.	585	375	143	35	12	16
South Bend, Ind.	38	20	13	1	2	2	Oakland, Calif.	63	41	14	5	1	-
Toledo, Ohio	83	54	19	3	3	1	Pasadena, Calif.	32	24	6	1	1	-
Youngstown, Ohio	58	33	18	1	3	-	Portland, Ore.	134	93	25	6	5	-
							Sacramento, Calif.	50	31	8	7	3	-
WEST NORTH CENTRAL	689	416	169	46	31	33	San Diego, Calif.	117	66	32	7	7	1
Des Moines, Iowa	41	30	7	1	2	2	San Francisco, Calif.	157	93	45	11	4	3
Duluth, Minn.	19	11	5	2	1	2	San Jose, Calif.	63	48	11	3	-	2
Kansas City, Kans.	29	17	7	2	1	1	Seattle, Wash.	136	80	40	6	9	3
Kansas City, Mo.	113	67	28	9	6	4	Spokane, Wash.	48	29	16	-	1	6
Lincoln, Nebr.	37	24	9	2	-	-	Tacoma, Wash.	31	24	7	-	-	-
Minneapolis, Minn.	95	58	18	6	12	6							
Omaha, Nebr.	73	43	19	5	1	2							
St. Louis, Mo.	184	97	60	13	5	6							
St. Paul, Minn.	50	34	9	3	3	2							
Wichita, Kans.	48	35	7	3	-	8							
							TOTAL	10,924	6,417	2,856	743	412	388
							Expected Number	11,556	6,868	3,028	783	380	353

†Delayed Report for Week Ending 8/7/76

The Morbidity and Mortality Weekly Report, circulation 52,000, is published by the Center for Disease Control, Atlanta, Georgia. The data in this report are provisional, based on weekly telegrams 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.

The editor welcomes accounts of interesting cases, outbreaks, environmental hazards, or other public health problems of current interest to health officials. Send reports to: Center for Disease Control, Attn.: Editor, Morbidity and Mortality Weekly Report, Atlanta, Georgia 30333.

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Smallpox – Continued

December when a minstrel with 3 infected children traveled from Gojam. The residents of this new focus, in contrast to many in the highlands, are receptive to vaccination. Thus, discovery and containment of the outbreaks have been greatly facilitated and rapid control in the problem area has been possible.

Epidemiologic Notes and Reports

Follow-up on Respiratory Disease – Pennsylvania

Investigation of the outbreak of respiratory illness in Pennsylvania apparently related to the American Legion Convention in Philadelphia July 21-24, 1976, continues without significant new developments.

As of August 17, there were 173 cases that met the case definition; there have been 26 deaths. The most recent death is that of a 53-year-old Legionnaire, whose onset was July 27 and who died on August 16.

A survey of all Legionnaires who attended the Convention was conducted by mail, and these data are currently

As of August 7, there were 8 infected villages in Ethiopia.

Reported by the World Health Organization in the Weekly Epidemiological Record 51(25, 33): 202-203, 264, June 18 and August 13, 1976.

being analyzed. Surveys of visitors to various hotels in Philadelphia July 4-August 7 are also underway. The laboratory investigations continue. No etiologic agents have yet been identified. The investigations of environmental factors and potentially toxic substances continue.

Reported by RG Sharrar, MD, City of Philadelphia Dept of Public Health; E Streiff, RN, MPH, Allegheny County Dept of Health; WE Parkin, DVM, Acting State Epidemiologist, Pennsylvania State Dept of Health; Bur of Epidemiology and Bur of Laboratories, CDC.

Salmonellosis Caused by Cheddar Cheese – Colorado

An outbreak of salmonellosis in Colorado in the period July 23-August 5, 1976, has been epidemiologically traced to pasteurized cheddar cheese served in several restaurants in the state. The cheese was produced by a plant in Horton, Kansas. Two laboratories have isolated *Salmonella heidelberg* from cheese produced there on July 12 and 13. All of the cheese produced by the Horton plant in July is being voluntarily recalled by its 3 distributors in Denver, and, pending further investigation, no more cheese is being shipped by the plant.

Investigators first learned of the outbreak when 160 isolates of group B salmonella were reported in a 3-week period in July and August to the Colorado Department of Health—approximately a 10-fold increase over the number seen in previous years. Of 121 salmonellae serotyped by August 16, 112 (93%) were *S. heidelberg*. The clinical findings in these cases consisted of diarrhea, fever, chills, and abdominal cramps lasting 2-14 days. Eighteen patients were hospitalized. About 80% of cases were less than 30 years of age; there was no sex predilection. Initial investigation revealed that the illnesses were clustered from July 23-August 5 and that most of the patients from whom salmonellae were isolated gave a history of having eaten in certain restaurants within several days before the onset of illness. Of the foods eaten by patients in these restaurants, the only food which all of the restaurants received from the same distributor was pasteurized cheddar cheese.

When items consumed by the patients were compared with items consumed by randomly selected patrons of the same restaurants, significantly more cases than controls

were found to have consumed cheddar cheese ($p=.028$). A comparison of rates of diarrheal illness in employees of restaurants receiving the suspect cheese and in employees of randomly selected control restaurants which did not receive the cheese confirmed the association of illness with the cheese.

The epidemiologically incriminated cheese was produced between July 2 and 17 by a plant in Horton, Kansas, and was delivered to a distributor in Denver, Colorado, on July 19 in a single shipment consisting of 796, 40-pound blocks. Each block was wrapped in brown waxed paper and was in a cardboard box. On each box was the factory number (20-498), the vat number, the date of production, and the words "Kansas Cheddar." The cheese was distributed to restaurants throughout Colorado, and smaller shipments were made to Wyoming, New Mexico, Kansas, Texas, and Nebraska, and to an Air Force Base in South Dakota. Two other distributors in Denver received smaller shipments of cheese produced in July by the Horton plant, but they did not distribute cheese outside Colorado.

Two laboratories have isolated *S. heidelberg* from cheese produced by the plant on July 12 and 13. Laboratory investigations by the Colorado Department of Health, the Food and Drug Administration, and CDC are continuing.

Reported by E Leopardi, Pueblo City County Health Dept, Pueblo, Colorado; CD McGuire, PhD, H Morlan, J Stambaugh, TM Vernon, MD, State Epidemiologist, Colorado Dept of Health; DE Wilcox, MD, State Epidemiologist, Kansas Dept of Health and Environment; Food and Drug Administration; Epidemiologic Investigations Laboratory Br and Enteric Diseases Br, Bacterial Diseases Div, and Field Services Div, Bur of Epidemiology, CDC.

Current Trends

Primary and Secondary Syphilis – United States, June 1976

Reported cases of primary and secondary syphilis numbered 1,940 in June 1976—3.9% less than the number of such cases reported in June 1975. During the first 6 months of 1976 (January-June) 12,104 cases were reported; this

was 558 cases or 5.2% less than the number reported during the same time period of 1975.

Reported by Venereal Disease Control Div, Bur of State Services, CDC.

Summary of Reported Primary and Secondary Syphilis Cases by Reporting Area
June 1976 and June 1975 – Provisional Data

Reporting Area by HEW Regions	June		Calendar Year Cumulative January-June		Reporting Area by HEW Regions	June		Calendar Year Cumulative January-June		Reporting Area by HEW Regions	June		Calendar Year Cumulative January-June	
	1976	1975	1976	1975		1976	1975	1976	1975		1976	1975	1976	1975
Connecticut	16	22	78	114	Illinois (Excl. Chicago)	12	27	81	141	Arizona	18	9	125	123
Maine	0	0	9	15	Chicago	75	59	442	399	California (Excl. LA & SF)	191	183	1,074	909
Massachusetts	44	35	258	289	Indiana (Excl. Indianapolis)	6	7	42	53	Los Angeles*	161	144	937	946
New Hampshire	1	0	5	10	Indianapolis*	0	4	18	13	San Francisco*	49	64	379	481
Rhode Island	2	1	13	5	Michigan	14	31	127	173	Hawaii	10	3	49	33
Vermont	1	1	3	5	Minnesota	2	7	46	56	Nevada	5	6	24	30
REGION I TOTAL	64	59	366	438	Ohio	34	58	254	257	REGION IX TOTAL	434	409	2,688	2,522
New Jersey	45	64	278	408	Wisconsin	5	4	52	48	Alaska	1	1	13	2
New York (Excl. NYC)	22	25	130	214	REGION V TOTAL	148	197	1,062	1,140	Idaho	0	1	14	10
New York City	180	223	1,251	1,434	Arkansas	4	5	44	31	Oregon	6	10	59	61
REGION II TOTAL	247	312	1,660	2,056	Louisiana	65	42	306	254	Washington	11	9	73	107
Delaware	4	17	36	53	New Mexico	14	11	95	88	REGION X TOTAL	18	21	159	180
District of Columbia	37	66	306	327	Oklahoma	8	2	54	39	UNITED STATES TOTAL	1,940	2,019	12,104	12,782
Maryland (Excl. Baltimore)	20	16	92	110	Texas	210	102	986	720	Puerto Rico	64	58	309	404
Baltimore	42	31	222	194	REGION VI TOTAL	301	182	1,485	1,132	Virgin Islands	4	4	22	17
Pennsylvania (Excl. Phila.)	22	37	132	197	Iowa	2	6	21	18	United States, Including Outlying Areas	2,008	2,081	12,435	13,183
Philadelphia	37	39	208	231	Kansas	4	9	41	56	Note: Cumulative totals include revised and delayed reports through previous months.				
Virginia	45	37	318	284	Missouri	13	25	92	157	Source: CDC 9.98, HEW-CDC-BSS-VD Control Division, Atlanta, Georgia				
West Virginia	1	1	17	15	Nebraska	0	2	13	6					
REGION III TOTAL	208	244	1,331	1,411	REGION VII TOTAL	19	42	167	237					
Alabama	16	17	95	129	Colorado	8	5	71	57					
Florida	184	270	1,293	1,688	Montana	1	0	5	4					
Georgia (Excl. Atlanta)	51	59	267	325	North Dakota	1	2	2	4					
Atlanta*	43	44	252	210	South Dakota	0	1	2	3					
Kentucky	10	10	72	86	Utah	3	1	18	9					
Mississippi	26	23	130	133	Wyoming	0	1	4	4					
North Carolina	98	71	688	528	REGION VIII TOTAL	13	10	102	81					
South Carolina	38	36	201	262										
Tennessee	22	33	186	204										
REGION IV TOTAL	488	563	3,184	3,565										

*County Data

Addendum, Vol. 25, No. 26

p 205 In the article, "Blastomycosis—North Carolina," first paragraph, it was mentioned that this report represented the third outbreak of this disease reported in the medical literature; the first 2 outbreaks were then referenced.

This should be changed to read: "fourth outbreak of the disease reported in the medical literature (1,2,3)." Reference 3 is: Blastomycosis Outbreak in Sioux Lookout Zone. *Canada Diseases Weekly Report* 1(13):49-52, 1975

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PUBLIC HEALTH SERVICE / CENTER FOR DISEASE CONTROL
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