

MMWR

MORBIDITY AND MORTALITY WEEKLY REPORT

Epidemiologic Notes and Reports

189 Plague — Arizona, Colorado, New Mexico

Current Trends

190 Influenza — Worldwide

195 Surveillance of Childhood Lead Poisoning — United States

196 Measles — Utah, 1975-76

Epidemiologic Notes and Reports

Plague — Arizona, Colorado, New Mexico

Five more human plague cases have been reported to CDC, bringing the total number of cases reported in 1976 to 8 (Table 1).

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

Case	Age	Sex	Month of Onset	Outcome	County	State	Reporting Status
1	15	M	2/76	R*	Coconino	AZ	Confirmed†
2	45	M	4/76	F	Kern	CA	Confirmed†
3	63	F	4/76	F*	Sandoval	NM	Confirmed†
4	16	F	5/76	R	Coconino	AZ	Confirmed
5	22	F	5/76	R	Fremont	CO	Confirmed
6	39	F	5/76	R	Bernalillo	NM	Confirmed
7	12	F	6/76	R	Bernalillo	NM	Confirmed
8	17	M	6/76	R	Rio Arriba	NM	Confirmed

* R - recovered; F = fatal

† Reported in MMWR 25(19):165, 1976

One of the cases was from Arizona, 1 from Colorado, and 3 from New Mexico. Dates of onset were in May for 3 cases and in June for 2. All of the 5 new cases were bubonic, and all 5 patients recovered following treatment.

Field and laboratory investigations to determine the sources of exposure for patient for the last 5 cases reported are continuing. All of these persons lived in or adjacent to counties in which plague is enzootic in the wildlife. Details of patient 6, of special significance because she was pregnant at the time of onset, follow.

Case 6

A 39-year-old woman in her 22nd week of pregnancy noted fever, chills, and malaise on May 24. When a painful left inguinal bubo developed the next day, she went to her physician, who admitted her to an Albuquerque hospital.

On physical examination she was acutely ill and dehydrated, with a temperature of 103.4°F (40°C). With the exception of the left inguinal bubo and a small, pinkish, healing lesion on the medial aspect of the left thigh, the rest of the physical examination was within normal limits.

Admission laboratory values included a WBC of 15,100/mm³ with 36 polymorphonuclear leukocytes, 54 bands, 4 lymphocytes, and 6 monocytes. The platelet smear was normal; an admission chest X-ray was essentially within normal limits.

Erythromycin therapy, which was instituted before her hospitalization, was discontinued, and the patient was started on penicillin and ampicillin. On May 26, a bubo aspirate was performed, yielding bloody material. The Gram stain showed extremely rare gram negative rods. A fluorescent antibody (FA) test, performed on 2 separate slides at the Scientific Laboratory System in Albuquerque, was negative.

Despite the negative FA test, the clinical diagnosis of plague was made, and the ampicillin and penicillin were discontinued and replaced with tetracycline, 500 mg by mouth every 6 hours, and streptomycin, 500 mg IM every 12 hours. Within 24 hours the patient experienced both symptomatic improvement and lysis of fever.

On May 28 a blood culture drawn at the same time the aspirate was obtained (5/26) was reported to be growing gram negative rods. An FA test was performed on this specimen, and it was positive for *Yersinia pestis*.

The patient lives in a rural area on the east slope of the Sandia mountains near Albuquerque. Ecologic investigations, including animal trapping, swabbing of prairie dog burrows for fleas, and serologic studies on the family's dogs and cats, are underway. The patient was discharged on May 28.

Reported by JM Counts, DrPH, Acting State Epidemiologist, Arizona Dept of Health Services; TM Vernon, MD, State Epidemiologist, Colorado Dept of Health; UG Hodgkin, Jr, MD, AA Horvath, MD, W. Johns, MD, Albuquerque; N Berg, Presbyterian Hospital, Albuquerque; M Burkhardt, JM Mann, MD, Acting State Epidemiologist, B Miller, N Weber, State Health Agency, J Gaskin, Scientific Laboratory System, New Mexico Health & Social Services Dept; Plague Br, Vector-borne Diseases Div, Bur of Laboratories, and Bacterial Zoonoses Br, Bacterial Diseases Div, Bur of Epidemiology, CDC.

RECEIVED
JUN 24 1976

CDC LIBRARY
ATLANTA, GA. 30333

Current Trends**Influenza — Worldwide**

United States: Two isolates of A/Victoria/3/75-like viruses were obtained from members of a State Department employee group in which an outbreak of respiratory illness occurred during a tour of the Far East in early June. Two other outbreaks of respiratory illness, in Missouri and in New Hampshire, were recently investigated, and specimens for influenza virus isolates were negative. No other isolates of influenza A in the United States have been reported to CDC in the past month.

Reported by J Hedderick, V Kaupas, MD, State Epidemiologist, New Hampshire State Dept of Health and Welfare; H Denny Donnell, Jr, MD, State Epidemiologist, Missouri State Dept of Health and Welfare; DW Barry, MD, Bureau of Biologics; and Viral Diseases Div, Bur of Epidemiology, CDC.

Worldwide: There is currently an epidemic in Santiago, Chile, caused by the A/Victoria virus; it is the most wide-

spread outbreak since the 1968-1969 Hong Kong outbreak. Isolates of influenza A from the Sao Paulo, Brazil, outbreak have been confirmed as A/Victoria/3/75-like. During April and May, outbreaks of influenza due to A/virus have also been reported from French Guiana, Martinique, Argentina, and Singapore (Table 2).

TABLE 2. Influenza, Worldwide, 1976

Location	Type
Brazil	A/Victoria-like virus
Chile	A/Victoria-like virus
Martinique	seroconversions to influenza A
French Guiana	A/Virus (not A/Swine)
Argentina	A/Virus (not A/Swine)
Singapore	A/Virus (not A/Swine)

Reported by the World Health Organization in the Weekly Epidemiologic Record 51(18-23):150-170, 1976

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

[Cumulative totals include revised and delayed reports through previous weeks]

DISEASE	24th WEEK ENDING		MEDIAN 1971-1975	CUMULATIVE, FIRST 24 WEEKS		
	June 19, 1976	June 14, 1975		June 19, 1976	June 14, 1975	MEDIAN 1971-1975
Aseptic meningitis	57	73	52	860	946	935
Brucellosis	3	7	6	107	88	70
Chickenpox	4,112	3,856	---	135,411	105,155	---
Diphtheria	5	3	1	105	189	96
Encephalitis	12	23	23	337	317	380
Primary	4	9	7	133	142	137
Post-Infectious	290	272	168	6,705	5,137	4,215
Hepatitis, Viral	656	607	882	16,328	16,474	23,748
Type A	212	147	7	4,147	3,704	---
Type B	11	5	7	164	129	129
Type unspecified	1,141	559	828	29,400	17,799	21,354
Malaria	33	36	25	894	789	753
Measles (rubeola)	32	36	24	887	772	736
Meningococcal infections, total	1	—	—	7	17	21
Civilian	769	1,536	1,536	29,069	39,887	47,727
Military	16	37	---	429	569	---
Mumps	337	433	743	9,438	13,436	18,356
Pertussis	2	2	2	20	30	36
Rubella (German measles)	773	724	---	15,291	14,885	---
Tetanus	5	5	5	57	51	48
Tuberculosis	6	18	10	140	128	142
Tularemia	39	37	32	218	217	176
Typhoid fever	53	64	76	1,197	1,123	1,764
Typhus, tick-borne (Rky. Mt. spotted fever)	53	64	76	1,197	1,123	1,764
Venereal Diseases:						
Gonorrhea	18,769	19,576	---	442,977	433,130	---
Civilian	503	487	---	13,509	13,743	---
Military	415	484	---	11,343	11,799	---
Syphilis, primary and secondary	4	4	---	153	166	---
Civilian	53	64	76	1,197	1,123	1,764
Military	53	64	76	1,197	1,123	1,764
Rabies in animals	53	64	76	1,197	1,123	1,764

Table II. Notifiable Diseases of Low Frequency: United States

	CUM.		CUM.
Anthrax:	2	Poliomyelitis, total:	5
Botulism:	8	Paralytic:	5
Congenital rubella syndrome:	11	Psittacosis:	21
Leprosy: N.Y. State 1:	63	Rabies in man:	—
Leptospirosis: S. Car. 1, La. 1:	19	Trichinosis: Mass. 1:	56
Plague: N. Mex. 3:	7	Typhus, murine:	9

Table III
Cases of Specified Notifiable Diseases: United States
Weeks Ending June 19, 1976 and June 14, 1975 - 24th Week

AREA REPORTING	ASEPTIC MENIN- GITIS	BRUCEL- LOSIS	CHICKEN- POX	DIPHTHERIA		ENCEPHALITIS			HEPATITIS, VIRAL			MALARIA	
	1976	1976	1976	1976	CUM. 1976	Primary: Arthropod- borne and Unspecified		Post In- fectious	Type B	Type A	Type Unspecified	1976	CUM. 1976
						1976	1975						
UNITED STATES	57	3	4,112	5	105	12	23	4	290	656	212	11	164
NEW ENGLAND	-	-	521	-	-	-	-	-	9	42	10	-	8
Maine*	-	-	10	-	-	-	-	-	1	3	-	-	-
New Hampshire*	-	-	6	-	-	-	-	-	-	-	-	-	-
Vermont	-	-	18	-	-	-	-	-	1	-	-	-	-
Massachusetts	-	-	266	-	-	-	-	-	2	5	10	-	4
Rhode Island	-	-	114	-	-	-	-	-	-	2	-	-	1
Connecticut	-	-	107	-	-	-	-	-	5	32	-	-	3
MIDDLE ATLANTIC	12	-	311	-	-	2	1	-	81	82	47	1	28
Upstate New York	-	-	132	-	-	-	-	-	-	17	5	-	5
New York City	3	-	153	-	-	1	-	-	26	18	-	-	15
New Jersey	8	-	NN	-	-	-	1	-	32	26	38	1	1
Pennsylvania*	1	-	26	-	-	1	-	-	23	21	4	-	7
EAST NORTH CENTRAL ..	4	1	2,200	-	-	1	7	3	41	75	20	-	12
Ohio	2	-	348	-	-	-	3	-	16	14	-	-	5
Indiana	-	-	58	-	-	-	1	-	-	4	6	-	-
Illinois	2	-	245	-	-	1	-	2	9	12	8	-	2
Michigan	-	-	926	-	-	-	3	1	11	41	6	-	5
Wisconsin	-	1	583	-	-	-	-	-	5	4	-	-	-
WEST NORTH CENTRAL ..	1	-	73	-	4	-	1	-	10	34	14	-	5
Minnesota	-	-	20	-	-	-	-	-	1	6	-	-	3
Iowa	-	-	17	-	-	-	1	-	-	-	-	-	-
Missouri*	-	-	23	-	1	-	-	-	7	9	11	-	-
North Dakota	-	-	2	-	-	-	-	-	-	2	-	-	-
South Dakota	-	-	-	-	3	-	-	-	-	1	-	-	1
Nebraska	1	-	9	-	-	-	-	-	1	5	-	-	1
Kansas	1	-	2	-	-	-	-	-	1	11	3	-	-
SOUTH ATLANTIC	8	1	353	-	-	1	2	-	46	114	30	2	24
Delaware	-	-	16	-	-	-	-	-	-	-	-	-	-
Maryland	-	-	26	-	-	-	-	-	9	11	1	-	3
District of Columbia ..	1	-	11	-	-	-	-	-	1	-	-	-	2
Virginia*	-	1	19	-	-	1	-	-	-	2	1	-	6
West Virginia	2	-	131	-	-	-	-	-	1	2	-	1	1
North Carolina	1	-	NN	-	-	-	1	-	6	10	6	-	3
South Carolina	-	-	85	-	-	-	-	-	1	6	3	-	1
Georgia	-	-	-	-	-	-	-	-	-	42	-	-	1
Florida	4	-	61	-	-	-	1	-	28	41	19	1	7
EAST SOUTH CENTRAL ..	4	-	61	-	-	2	4	-	10	50	-	-	1
Kentucky	-	-	44	-	-	-	-	-	-	12	-	-	-
Tennessee	3	-	NN	-	-	1	1	-	6	21	-	-	-
Alabama	-	-	4	-	-	-	2	-	3	3	-	-	-
Mississippi	1	-	13	-	-	1	1	-	1	14	-	-	1
WEST SOUTH CENTRAL ..	12	-	203	-	1	1	3	-	11	90	49	-	6
Arkansas	-	-	5	-	-	-	-	-	1	17	3	-	-
Louisiana	1	-	NN	-	-	1	2	-	6	14	5	-	-
Oklahoma	-	-	20	-	-	-	-	-	4	12	3	-	-
Texas*	11	-	178	-	1	-	1	-	-	47	38	-	6
MOUNTAIN	-	-	136	-	3	-	-	-	11	24	11	-	7
Montana	-	-	9	-	-	-	-	-	-	-	-	-	-
Idaho	-	-	1	-	-	-	-	-	-	-	-	-	-
Wyoming	-	-	-	-	-	-	-	-	-	-	-	-	-
Colorado	-	-	53	-	3	-	-	-	2	4	5	-	4
New Mexico	-	-	1	-	-	-	-	-	1	2	3	-	1
Arizona	-	-	-	-	-	-	-	-	6	14	1	-	1
Utah	-	-	32	-	-	-	-	-	-	3	2	-	-
Nevada	-	-	-	-	-	-	-	-	2	1	-	-	1
PACIFIC	16	1	254	5	97	5	5	1	71	145	31	8	73
Washington	-	-	188	5	95	2	2	-	6	12	2	-	2
Oregon	2	-	-	-	-	-	-	-	11	22	3	-	5
California*	14	1	-	-	1	3	3	1	54	110	26	8	65
Alaska	-	-	25	-	1	-	-	-	-	-	-	-	-
Hawaii	-	-	41	-	-	-	-	-	-	1	-	-	1
Guam*	-	-	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico	-	-	27	1	1	1	-	-	-	20	-	-	1
Virgin Islands	-	-	1	-	-	-	-	-	-	-	-	-	-

NN: Not Notifiable

*Delayed Report: Aspe. Meng: Guam add 1; Brucellosis: Mo. delete 1; Chickenpox: Me. add 24, N. Hamp. add 1, Mo. delete 1, Calif. add 2, Guam add 6; Enceph.: Mo. delete 1, Texas delete 1; Enceph. Post: Mo. add 1; Hep. B: Pa. add 25, Guam add 2; Hep. A: N. Hamp. add 1, Pa. add 21, Mo. delete 1, Kans. delete 1, Guam add 4; Hep. Unsp.: Pa. add 2, Va. delete 1, Guam add 3

Table III-Continued
Cases of Specified Notifiable Diseases: United States
Weeks Ending June 19, 1976 and June 14, 1975 — 24th Week

REPORTING AREA	MEASLES (Rubeola)			MENINGOCOCCAL INFECTIONS TOTAL			MUMPS		PERTUSSIS	RUBELLA		TETANUS
	1976	CUMULATIVE		1976	CUMULATIVE		1976	CUM. 1976	1976	1976	CUM. 1976	CUM. 1976
		1976	1975		1976	1975						
UNITED STATES	1,141	29,400	17,799	33	894	789	769	29,069	16	337	9,438	20
NEW ENGLAND	9	234	231	1	38	43	38	1,080	-	9	252	-
Maine	-	3	10	-	-	5	1	89	-	-	3	-
New Hampshire	-	7	19	1	3	2	-	24	-	-	11	-
Vermont	-	-	39	-	3	-	1	6	-	-	1	-
Massachusetts	-	24	74	-	11	14	3	142	-	6	127	-
Rhode Island	-	14	1	-	4	3	11	395	-	-	5	-
Connecticut	9	186	88	-	17	19	22	424	-	3	105	-
MIDDLE ATLANTIC	259	5,830	1,164	3	118	83	127	2,448	1	95	2,018	-
Upstate New York	103	2,125	338	1	44	26	3	310	-	73	464	-
New York City	27	375	95	1	31	21	72	1,222	1	8	125	-
New Jersey	16	560	419	1	17	12	7	449	-	11	1,258	-
Pennsylvania	113	2,770	312	-	26	24	45	467	-	3	171	-
EAST NORTH CENTRAL	495	12,459	5,273	6	140	115	349	12,264	5	138	3,529	1
Ohio	37	459	91	1	78	24	63	1,749	1	21	265	1
Indiana	71	2,622	328	1	5	5	60	1,268	-	68	600	-
Illinois	9	1,230	1,266	1	11	18	53	1,666	-	2	1,081	-
Michigan	280	5,064	2,697	3	38	53	95	4,570	2	36	1,222	-
Wisconsin	98	3,084	891	-	8	15	78	3,011	2	11	361	-
WEST NORTH CENTRAL	44	1,020	4,704	3	60	43	21	3,172	-	2	372	3
Minnesota	22	343	180	1	12	9	4	542	-	-	25	-
Iowa*	-	25	430	-	8	5	1	1,125	-	-	78	-
Missouri	-	12	209	1	19	21	11	285	-	-	29	1
North Dakota*	-	1	1,027	-	3	-	1	119	-	-	1	1
South Dakota	-	2	351	-	1	1	2	6	-	2	18	-
Nebraska	14	54	373	1	3	1	1	90	-	-	3	-
Kansas	8	583	2,134	-	14	6	1	1,005	-	-	218	1
SOUTH ATLANTIC	61	1,743	209	4	165	160	57	2,195	6	27	1,182	7
Delaware	-	122	27	-	2	5	4	33	-	-	6	-
Maryland	6	671	17	1	16	16	14	568	-	2	3	2
District of Columbia	1	5	-	-	2	5	4	95	-	-	45	-
Virginia	44	473	22	1	21	15	1	176	1	2	214	1
West Virginia	7	163	116	-	4	5	22	677	3	1	256	-
North Carolina	-	-	-	1	32	31	6	355	2	-	15	-
South Carolina	1	4	-	-	30	26	-	37	-	18	586	-
Georgia	-	-	3	1	14	8	-	-	-	-	1	-
Florida	2	305	24	-	44	49	6	254	-	4	56	4
EAST SOUTH CENTRAL	29	710	253	1	72	116	64	2,397	1	13	290	2
Kentucky	29	686	80	-	14	50	11	899	-	3	138	1
Tennessee	-	9	163	1	32	39	44	1,237	1	10	148	1
Alabama	-	-	3	-	19	18	4	222	-	-	1	-
Mississippi	-	15	7	-	7	9	5	39	-	-	3	-
WEST SOUTH CENTRAL	19	613	225	11	141	121	45	2,019	2	5	474	5
Arkansas	-	-	-	-	5	7	4	68	1	1	189	-
Louisiana	13	174	-	9	28	24	-	19	-	2	85	2
Oklahoma	4	276	102	-	18	8	1	599	-	-	52	-
Texas	2	163	123	2	90	82	40	1,333	1	2	148	3
MOUNTAIN	73	4,886	1,126	2	32	31	16	1,015	-	16	450	1
Montana	5	194	34	-	3	5	-	19	-	8	228	-
Idaho	21	2,015	5	-	3	4	3	428	-	-	18	-
Wyoming	-	3	-	-	-	-	-	1	-	-	2	-
Colorado	7	268	1,000	1	11	9	2	193	-	1	19	-
New Mexico	-	14	7	-	2	4	-	124	-	-	31	-
Arizona	-	222	51	-	7	1	-	-	-	-	-	1
Utah	39	2,107	9	-	4	7	10	136	-	7	135	-
Nevada	1	63	20	1	2	1	1	114	-	-	17	-
PACIFIC	152	1,905	4,614	2	128	77	52	2,479	1	32	871	1
Washington	57	249	222	-	20	13	7	829	-	10	142	-
Oregon	14	132	187	1	11	4	7	306	-	2	112	1
California	81	1,522	4,155	1	86	59	35	1,307	1	18	603	-
Alaska	-	-	-	-	9	-	-	17	-	-	-	-
Hawaii	-	2	50	-	2	1	3	20	-	2	14	-
Guam*	-	6	15	-	1	2	-	7	-	-	3	-
Puerto Rico	28	197	476	-	2	1	37	557	3	1	6	14
Virgin Islands	1	6	6	-	-	-	-	21	-	1	8	1

*Delayed Reports: Measles: Iowa add 5, N. Dak. add 2, Guam add 3; Mumps: Guam add 3; Rubella: Iowa add 1, Guam add 2

Table III-Continued
Cases of Specified Notifiable Diseases: United States
Weeks Ending June 19, 1976 and June 14, 1975 — 24th Week

REPORTING AREA	TUBERCULOSIS		TULA- REMIA	TYPHOID FEVER		TYPHUS-FEVER TICK-BORNE (RMSF)		VENEREAL DISEASES (Civilian Cases Only)						RABIES IN ANIMALS
								GONORRHEA			SYPHILIS (Pri. & Sec.)			
	1976	CUM. 1976	CUM. 1976	1976	CUM. 1976	1976	CUM. 1976	1976	CUMULATIVE		1976	CUMULATIVE		CUM. 1976
									1976	1975		1976	1975	
UNITED STATES	773	15,291	57	6	140	39	218	18,769	442,977	433,130	415	11,343	11,799	1,197
NEW ENGLAND	44	567	-	-	17	-	2	468	12,076	11,791	16	340	413	19
Maine	3	41	-	-	-	-	-	48	1,032	781	-	8	9	13
New Hampshire	1	24	-	-	2	-	-	14	315	327	-	4	10	-
Vermont	1	15	-	-	-	-	-	23	294	271	-	2	4	-
Massachusetts	31	336	-	-	13	-	2	216	5,745	5,635	9	250	272	5
Rhode Island	-	40	-	-	-	-	-	21	796	922	-	12	5	1
Connecticut	8	111	-	-	2	-	-	146	3,894	3,855	7	64	113	-
MIDDLE ATLANTIC	187	2,893	-	3	27	2	7	2,202	49,386	50,764	65	1,903	2,152	10
Upstate New York	41	478	-	-	5	-	1	502	7,708	9,070	-	113	209	2
New York City	75	1,155	-	2	15	-	1	981	22,041	22,089	39	1,193	1,223	-
New Jersey	44	556	-	1	5	2	5	231	7,643	6,880	12	271	343	3
Pennsylvania	27	704	-	-	2	-	-	488	11,994	12,725	14	326	377	5
EAST-NORTH CENTRAL ..	102	2,058	-	1	12	1	6	2,968	71,095	71,247	37	1,026	992	65
Ohio*	25	375	-	1	4	1	4	1,217	17,654	19,148	9	240	233	-
Indiana	7	268	-	-	-	-	-	113	6,479	6,426	-	52	65	14
Illinois	42	670	-	-	3	-	-	655	25,698	24,749	24	559	482	11
Michigan*	28	630	-	-	4	-	2	743	14,600	13,931	3	122	160	2
Wisconsin	-	115	-	-	1	-	-	240	6,664	6,993	1	53	52	38
WEST NORTH CENTRAL ..	28	560	13	-	5	-	4	1,079	22,747	21,133	2	197	266	286
Minnesota	4	109	3	-	2	-	-	101	4,107	4,421	1	44	53	69
Iowa	-	48	1	-	-	-	-	125	2,841	2,932	1	20	11	63
Missouri	19	270	8	-	3	-	4	509	9,129	7,583	-	84	151	39
North Dakota	1	14	-	-	-	-	-	10	327	325	-	-	4	59
South Dakota	-	27	-	-	-	-	-	43	636	816	-	2	3	14
Nebraska	4	28	-	-	-	-	-	79	1,929	1,865	-	13	4	8
Kansas*	-	64	1	-	-	-	-	212	3,778	3,191	-	34	40	34
SOUTH ATLANTIC	139	3,340	4	-	16	20	114	4,793	106,611	107,115	129	3,351	3,699	178
Delaware	3	44	-	-	-	1	1	19	1,378	1,486	1	36	45	-
Maryland	22	481	1	-	-	3	7	726	14,851	11,992	18	283	276	11
District of Columbia ..	9	146	-	-	-	-	-	272	6,349	6,526	8	297	308	-
Virginia	15	547	-	-	3	9	41	826	11,357	10,593	15	308	265	30
West Virginia	1	141	-	-	2	-	1	92	1,403	1,261	-	17	12	8
North Carolina	26	588	3	-	1	5	41	605	15,770	15,264	8	634	488	1
South Carolina	15	263	-	-	1	2	19	468	10,470	10,083	17	188	250	2
Georgia	25	415	-	-	2	-	4	640	19,575	19,635	11	365	501	100
Florida	23	715	-	-	7	-	-	1,145	25,458	30,275	51	1,223	1,554	26
EAST SOUTH CENTRAL ..	57	1,276	11	-	7	4	35	1,430	39,558	35,754	23	465	510	67
Kentucky	12	278	1	-	4	1	7	272	5,044	4,521	3	68	79	40
Tennessee	15	379	10	-	3	2	25	408	15,437	14,284	5	187	185	18
Alabama	23	382	-	-	-	-	1	461	11,324	9,645	3	89	125	9
Mississippi	7	237	-	-	-	1	2	289	7,753	7,304	12	121	121	-
WEST SOUTH CENTRAL ..	81	1,741	21	2	5	12	49	2,283	59,081	54,674	45	1,313	1,010	311
Arkansas	7	232	10	2	2	4	12	144	5,647	5,507	1	44	27	77
Louisiana	8	263	2	-	-	-	-	344	8,622	10,448	13	286	242	2
Oklahoma	10	166	6	-	-	8	35	257	5,419	4,979	-	50	42	80
Texas	56	1,080	3	-	3	-	2	1,538	39,393	33,740	31	933	699	152
MOUNTAIN	25	426	2	-	7	-	1	752	16,990	16,725	5	315	300	69
Montana	-	22	2	-	2	-	-	48	887	934	1	4	4	49
Idaho	-	14	-	-	1	-	1	52	900	803	-	21	9	-
Wyoming	-	8	-	-	-	-	-	13	367	415	-	6	6	1
Colorado	1	82	-	-	1	-	-	252	4,386	4,325	-	71	56	4
New Mexico	2	67	-	-	1	-	-	95	3,373	2,944	-	86	84	2
Arizona	22	200	-	-	2	-	-	227	4,929	4,470	4	89	103	13
Utah	-	19	-	-	-	-	-	53	886	1,039	-	16	9	-
Nevada	-	14	-	-	-	-	-	12	1,262	1,795	-	22	29	-
PACIFIC	110	2,430	6	-	44	-	-	2,794	65,433	63,927	93	2,433	2,457	192
Washington	13	233	2	-	2	-	-	193	5,519	5,796	-	62	85	1
Oregon	3	82	1	-	-	-	-	244	4,811	4,745	1	57	55	-
California	65	1,791	3	-	41	-	-	2,182	52,025	50,808	88	2,250	2,291	152
Alaska*	-	25	-	-	-	-	-	89	1,839	1,574	-	13	1	39
Hawaii	29	295	-	-	1	-	-	86	1,239	1,004	4	51	25	-
Guam*	-	24	-	-	-	-	-	-	148	213	-	1	3	-
Puerto Rico	-	145	-	-	-	-	-	64	1,239	1,371	15	263	349	23
Virgin Islands	-	2	-	-	-	-	-	2	122	74	-	34	16	-

*Delayed Reports: TB: Ohio delete 4, Michigan delete 3, Kans. delete 1, GC: Guam add 11; Syphilis: Alaska delete 2 civ., add 2 mil

Table IV
Deaths in 121 United States Cities*
Week Ending June 19, 1976 - 24th 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	655	406	173	28	22	26	SOUTH ATLANTIC	1,039	566	300	96	45	41
Boston, Mass.	194	111	51	12	6	4	Atlanta, Ga.	127	67	36	14	6	2
Bridgeport, Conn.	38	29	7	1	-	-	Baltimore, Md.	217	103	78	19	13	3
Cambridge, Mass.	23	17	6	-	-	3	Charlotte, N. C.	71	35	19	8	6	2
Fall River, Mass.	24	18	5	-	1	1	Jacksonville, Fla.	67	32	25	7	-	4
Hartford, Conn.	54	29	21	2	1	-	Miami, Fla.	98	61	22	9	2	5
Lowell, Mass.	26	17	7	-	1	1	Norfolk, Va.	58	32	16	3	4	4
Lynn, Mass.	17	14	3	-	-	-	Richmond, Va.	68	33	21	9	1	6
New Bedford, Mass.	22	14	6	1	1	2	Savannah, Ga.	48	27	11	6	4	4
New Haven, Conn.	48	29	8	5	5	-	St. Petersburg, Fla.	74	58	13	2	1	3
Providence, R.I.	60	30	20	3	4	3	Tampa, Fla.	63	37	19	3	2	5
Somerville, Mass.	15	10	5	-	-	2	Washington, D. C.	110	62	30	12	5	2
Springfield, Mass.	50	36	9	2	1	4	Wilmington, Del.	38	19	10	4	1	1
Waterbury, Conn.	30	19	10	-	-	4							
Worcester, Mass.	54	33	15	2	2	2							
MIDDLE ATLANTIC	2,859	1,762	743	186	83	109	EAST SOUTH CENTRAL	705	396	196	43	34	24
Albany, N. Y.	53	28	16	5	3	1	Birmingham, Ala.	114	66	29	10	-	-
Allentown, Pa.	19	12	3	3	-	-	Chattanooga, Tenn.	61	36	17	4	2	3
Buffalo, N. Y.	122	74	34	6	4	8	Knoxville, Tenn.	48	31	12	2	-	-
Camden, N. J.	29	15	11	1	-	1	Louisville, Ky.	108	63	27	8	7	7
Elizabeth, N. J.	32	15	14	2	1	1	Memphis, Tenn.	166	93	47	9	6	7
Erie, Pa.	40	26	9	4	1	4	Mobile, Ala.	60	34	17	3	4	-
Jersey City, N. J.	45	30	12	2	1	1	Montgomery, Ala.	42	21	16	2	-	1
Newark, N. J.	54	25	18	6	1	2	Nashville, Tenn.	106	52	31	5	15	6
New York City, N. Y.†	1,446	897	357	105	42	44	WEST SOUTH CENTRAL	1,101	572	331	65	75	37
Paterson, N. J.	32	20	8	3	1	1	Austin, Tex.	44	27	9	4	1	1
Philadelphia, Pa.	410	247	108	23	18	15	Baton Rouge, La.	72	40	20	4	5	2
Pittsburgh, Pa.	189	115	50	9	6	15	Corpus Christi, Tex.	44	23	13	1	4	-
Reading, Pa.	45	33	9	1	2	-	Dallas, Tex.	152	84	42	9	11	3
Rochester, N. Y.	116	84	25	6	-	8	El Paso, Tex.	47	26	15	2	1	3
Schenectady, N. Y.	23	10	13	-	-	-	Fort Worth, Tex.	70	45	16	2	5	2
Scranton, Pa.	33	21	8	2	-	1	Houston, Tex.	188	89	61	15	10	9
Syracuse, N. Y.	91	59	24	4	3	3	Little Rock, Ark.	74	36	27	4	2	3
Trenton, N. J.	38	23	13	2	-	3	New Orleans, La.	153	70	46	7	20	4
Utica, N. Y.	13	5	7	1	-	1	San Antonio, Tex.	121	66	34	8	7	1
Yonkers, N. Y.	29	23	4	1	-	2	Shreveport, La.	75	37	29	5	1	2
							Tulsa, Okla.	61	29	19	4	8	7
EAST NORTH CENTRAL	2,347	1,335	674	143	81	59	MOUNTAIN	473	270	124	43	14	5
Akron, Ohio	58	33	20	3	2	-	Albuquerque, N. Mex.	44	18	19	5	-	1
Canton, Ohio	33	25	5	2	-	4	Colorado Springs, Colo.	26	16	6	2	-	-
Chicago, Ill.	617	321	183	44	28	13	Denver, Colo.	112	61	29	10	5	3
Cincinnati, Ohio	137	85	30	8	3	2	Las Vegas, Nev.	22	10	7	5	-	1
Cleveland, Ohio	185	96	61	15	8	3	Ogden, Utah	15	11	3	1	-	-
Columbus, Ohio	92	53	30	2	5	5	Phoenix, Ariz.	117	67	29	9	6	-
Dayton, Ohio	89	49	25	10	2	1	Pueblo, Colo.	19	14	5	-	-	-
Detroit, Mich.	325	177	95	24	12	5	Salt Lake City, Utah	47	28	11	5	2	-
Evansville, Ind.	54	35	12	4	-	2	Tucson, Ariz.	71	45	15	6	1	-
Fort Wayne, Ind.	55	33	15	4	-	-							
Gary, Ind.	17	7	8	-	1	1	PACIFIC	1,647	1,051	387	100	55	28
Grand Rapids, Mich.	61	46	12	-	2	6	Berkeley, Calif.	20	17	1	1	-	-
Indianapolis, Ind.	163	90	55	5	7	1	Fresno, Calif.	74	42	21	4	3	-
Madison, Wis.	50	33	9	1	3	5	Glendale, Calif.	32	25	6	1	-	1
Milwaukee, Wis.	139	86	38	9	-	1	Honolulu, Hawaii	53	28	20	2	2	2
Peoria, Ill.	35	19	10	4	1	1	Long Beach, Calif.	94	61	29	4	-	3
Rockford, Ill.	30	21	4	4	1	2	Los Angeles, Calif.	513	328	120	31	18	10
South Bend, Ind.	44	24	16	2	-	4	Oakland, Calif.	75	43	19	6	5	-
Toledo, Ohio	108	71	31	1	3	2	Pasadena, Calif.	23	15	4	1	2	-
Youngstown, Ohio	55	31	15	1	3	1	Portland, Oreg.	120	79	27	4	6	2
WEST NORTH CENTRAL	761	440	210	40	40	19	Sacramento, Calif.	70	47	15	5	1	-
Des Moines, Iowa	54	39	13	2	-	1	San Diego, Calif.	137	77	32	17	6	-
Duluth, Minn.	10	8	-	1	1	1	San Francisco, Calif.	150	99	35	8	2	1
Kansas City, Kans.	26	8	15	3	-	-	San Jose, Calif.	65	44	12	6	1	1
Kansas City, Mo.	139	81	37	8	8	1	Seattle, Wash.	132	86	29	6	7	4
Lincoln, Nebr.	35	21	9	2	1	1	Spokane, Wash.	54	40	7	2	2	2
Minneapolis, Minn.	100	57	24	4	9	2	Tacoma, Wash.	35	20	10	2	-	2
Omaha, Nebr.	64	33	19	3	5	-							
St. Louis, Mo.	201	118	57	10	9	4	TOTAL	11,587	6,798	3,138	744	449	348
St. Paul, Minn.	67	45	14	2	3	1	Expected Number	11,635	6,954	3,063	766	367	351
Wichita, Kans.	65	30	22	5	4	8							

†Delayed Report for Week Ending 6/12/76

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 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.

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.

Send mailing list additions, deletions, and address changes to: Center for Disease Control, Attn.: Distribution Services, GSO, 1-SB-36, Atlanta, Georgia 30333. When requesting changes be sure to give your former address, including zip code and mailing list code number, or send an old address label.

Current Trends

Surveillance of Childhood Lead Poisoning — United States

The 66 federally supported Childhood Lead Poisoning Prevention Programs continued to screen approximately 100,000 children each quarter for undue lead absorption. During the third quarter of fiscal year 1976, 99,321 children were reported screened and 12,849 identified as needing pediatric care (Table 3).

Although the numbers of children screened who required pediatric management increased during the quarter, there was a substantial decrease in the number of children with confirmed undue lead absorption. These children, risk categories II, III, and IV*, represent 53.3% of the total children requiring care; this is a decrease from the 81.2% re-

ported during the second quarter. A decrease is also shown in the number of children receiving chelation therapy—10.2 children per 100 confirmed with undue lead absorption as compared to 12.5 reported last quarter.

The programs reported inspecting 10,413 dwelling units and identifying 4,910 with a lead hazard. For every 100 dwelling units inspected and found with lead, 85.4 were "reduced" of that hazard.

Reported by Environmental Health Services Div, Bur of State Services, CDC.

*Lead poisoning risk categories are defined in MMWR 25(9):66, 1976.

TABLE 3. Results in screening in childhood lead poisoning control projects — United States, third quarter of fiscal year 1976 (January 1, 1976 to March 31, 1976)

Projects	Screened	NUMBER OF CHILDREN					NUMBER OF DWELLINGS		
		Requiring Pediatric Management			Receiving Pediatric Management		Inspected	Found with Lead	Reduced
		Total	With Confirmed Undue Lead Absorption ¹		Total	Chelation Therapy			
			Class II	Classes III & IV					
Augusta, Me.	1,087	76	75	1	425	4	49	45	24
Boston, Mass.	4,765	340	155	150	1,217	20	270	252	252
Fall River, Mass.	561	117	48	11	109	0	84	41	39
Hartford, Mass.	1,510	342	12	4	160	0	141	26	65
Lowell, Mass.	1,505	60	13	7	127	5	36	26	14
Lynn, Mass.	484	116	39	23	145	4	51	49	53
New Britain, Conn.	808	0	0	0	3	0	5	3	0
New Haven, Conn.	876	251	82	23	216	2	106	13	43
Portland, Me.	282	7	3	1	12	0	22	14	7
Stamford, Conn.	1,085	32	8	8	207	2	45	37	26
Waterbury, Conn.	1,017	30	21	9	201	1	437	264	35
Worcester, Mass.	1,026	83	61	17	288	23	59	56	38
REGION I TOTAL	15,006	1,457	521	256	3,160	61	1,305	826	596
CUMULATIVE FY 76	40,254	3,995	2,186	1,015	8,490	296	4,287	3,209	2,913
Albany, N.Y.	478	158	30	10	154	6	25	16	19
Camden, N.J.	411	209	60	23	257	1	53	32	12
Erle Co., N.Y.	2,207	88	54	18	218	10	46	43	33
Hoboken, N.J.	485	284	39	25	237	5	98	11	4
Monroe Co., N.Y.	983	282	50	26	144	5	83	43	17
Nassau Co., N.Y.	478	105	17	6	85	0	61	34	10
Newark, N.J.	920	138	48	56	314	56	94	106	90
New York City	17,069 ²	1,431 ²	1,053 ²	227 ²	2,492	227	330	168	142
Onondaga Co., N.Y.	681	130	26	12	146	15	30	16	3
Paterson, N.J.	322	205	79	29	130	11	40	31	55
Plainfield, N.J.	249	118	39	26	76	3	27	26	15
Rensselaer, N.Y.	254	70	34	4	68	1	33	22	16
Westchester, N.Y.	1,450	402	65	24	222	1	64	40	17
REGION II TOTAL	25,987	3,620	1,584	492	4,548	140	981	588	433
CUMULATIVE FY 76	80,582	12,319	6,974	2,221	16,899	630	3,412	2,363	1,578
Baltimore, Md.	4,029	142	58	55	678	47	104	92	64
Chester, Pa.	601	291	45	35	683	5	58	42	24
Delaware State	827	170	8	8	132	2	37	25	10
Norfolk, Va.	960	73	35	15	226	3	67	39	68
Philadelphia, Pa.	2,896	1,530	32	143	936	34	2,192	568	976
Richmond, Va.	1,767	481	139	38	806	3	119	112	59
Washington, D.C.	3,212	609	135	76	388	10	245	76	128
Wilkes-Barre, Pa.	300	49	24	9	74	1	15	15	3
REGION III TOTAL	14,592	3,345	752	379	3,923	140	2,837	958	1,332
CUMULATIVE FY 76	40,333	6,435	2,118	1,071	10,174	420	8,027	3,645	4,390
Georgia State	1,043	143	80	63	221	0	152	55	59
Louisville, Ky.	1,184	232	74	17	839	33	87	66	87
Memphis, Tenn.	1,254	175	51	21	437	8	145	89	2
Mobile, Ala.	1,352	24	17	17	187	78	105	54	37
South Carolina State	898	243	71	27	522	14	190	111	15
REGION IV TOTAL	5,731	871	300	145	2,206	61	683	375	200
CUMULATIVE FY 76	15,103	1,853	864	428	6,078	209	1,528	1,040	521
Akron, Ohio	76	5	3	2	0	0	22	22	13
Chicago, Ill.	12,894	930	705	225	2,344	139	661	264	465
Cincinnati, Ohio	714	33	28	5	142	0	72	5	7
Cleveland, Ohio	2,908	314	53	20	152	2	51	20	34
Columbus, Ohio	1,364	119	33	7	220	12	29	9	15
Detroit, Mich.	2,126	112	86	26	230	5	148	144	125
East Cleveland, Ohio	483	NA	NA	NA	0	NA	112	31	31
East St. Louis, Ill.	187	6	2	4	17	0	17	10	8
Gary, Indiana	221	17	6	3	36	1	24	16	8
Milwaukee, Wisc.	380	238	82	29	617	8	161	100	18
Peoria, Ill.	134	13	13	0	65	3	22	18	5
Rockford, Ill.	215	64	26	4	612	21	31	28	4
St. Paul, Minn.	130	14	6	1	73	0	19	9	3
Toledo, Ohio	193	23	19	4	69	11	115	15	3
Wayne Co., Mich.	105	4	2	2	108	7	14	14	32
Wisconsin State	811	41	10	6	176	0	36	19	30
REGION V TOTAL	22,941	1,933	1,074	338	4,861	208	1,524	724	801
CUMULATIVE FY 76	74,542	5,425	3,602	1,233	15,832	1,163	5,846	3,184	2,685
Arkansas State	1,194	84	50	34	161	0	73	52	53
Houston, Texas	1,798	84	67	17	290	3	76	19	18
New Mexico State	1,407	32	5	2	36 ³	0 ³	67	37	NA
New Orleans, La.	3,198	120	64	56	596	16	107	61	36
REGION VI TOTAL	7,597	320	186	109	1,083	19	323	169	107
CUMULATIVE FY 76	26,467	976	560	391	3,069	53	1,498	531	288
Des Moines, Iowa	1,289	30	4	2	207	14	1,506	382	207
Kansas City, Mo.	725	50	12	7	78	1	36	27	4
Kansas City, Kansas	1,326	112	12	1	104	4	104	63	36
St. Louis, Mo.	1,640	421	353	68	1,934	41	750	509	248
Springfield, Mo.	423	5	4	1	80	1	53	36	14
REGION VII TOTAL	5,403	618	385	79	2,378	61	2,449	1,017	509
CUMULATIVE FY 76	16,456	2,207	1,282	704	7,717	333	4,191	2,482	1,356
Alameda Co., Calif.	825	232	28	48	55	4	26	17	7
Contra Costa, Calif.	493	63	5	10	52	0	203	203	203
Los Angeles, Calif.	746	390	96	62	27	6	82	33	3
REGION IX TOTAL	2,064	685	129	120	134	10	311	252	213
CUMULATIVE FY 76	3,128	810	216	158	229	17	337	272	215
U.S. TOTALS	99,321	12,849	4,931	1,918	22,293	701	10,413	4,910	4,191
CUMULATIVE FY 76	296,865	34,020	17,802	7,221	68,488	3,121	29,126	16,726	13,916

¹ Class II and Classes II & IV defined in CDC Statement, Increased Lead Absorption and Lead Poisoning in Young Children, March 1975.

² Estimated

³ Incomplete

NA — Not available

Current Trends**Measles — Utah, 1975-76**

The State of Utah has reported 1,976 cases of measles in the period May 15, 1975-May 15, 1976. This is the highest number of reported cases since 1960. By contrast, in 1974 there were only 15 reported cases.

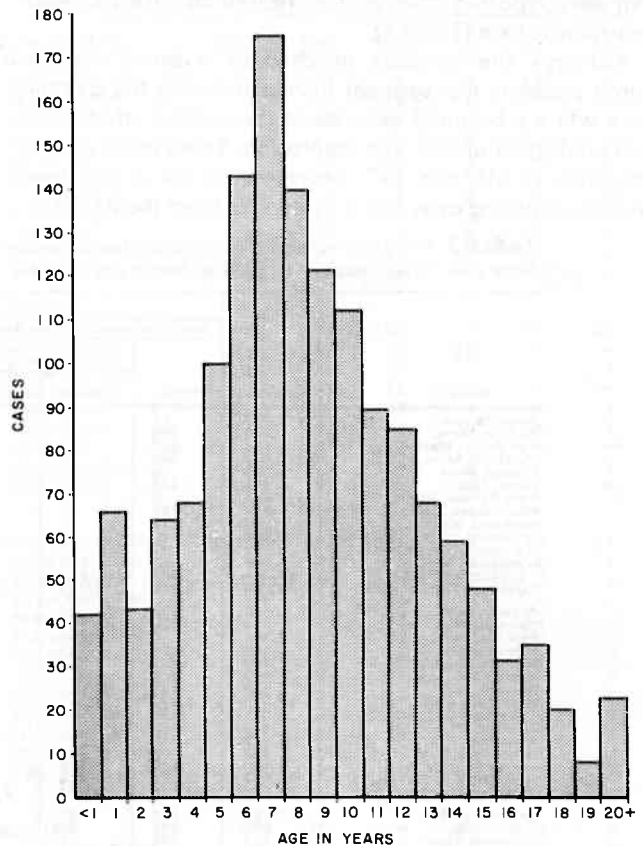
The current outbreak began in the spring of 1975 with 2 imported cases from Colorado and California. Fifty cases occurred in 1 county from this exposure and prompted the organization of several school-based immunization clinics. Sporadic cases of measles occurred in the community during the summer months, despite the school recess. In the fall when schools reopened, school-based outbreaks were again reported. However, 2 and 3 generations of measles had elapsed before the State Division of Health was notified. Immunization clinics held at affected and neighboring schools were not able to prevent spread to other counties of the state.

The age range for 1,540 of the 1,976 reported cases for which age data were known showed that: 18.4% of the cases were in preschoolers, 57.1% were in elementary school children, and 22.5% were in secondary school individuals (Figure 1). The 1974 immunization surveys of 2-year-old and entering elementary school children, conducted by the Utah State Division of Health, showed that 25 to 30% of these individuals were susceptible to measles. A serologic study of 130 junior and senior high school girls, conducted in Duchesne County by the Division, showed that 18% had hemagglutination inhibition titers to measles virus of less than 1:10 and were therefore considered susceptible.

There have been 2 serologically confirmed and 3 presumptive cases of measles encephalitis, with no reported deaths in 1976.

Reported by J Brockert, T Fukushima, MD, State Epidemiologist, and C Nichols, Utah State Division of Health.

FIGURE 1. 1,540 cases of measles, by age, Utah, May 1975-May 1976



U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE / CENTER FOR DISEASE CONTROL
ATLANTA, GEORGIA 30333

Director, Center for Disease Control, David J. Sencer, M.D.
Director, Bureau of Epidemiology, Philip S. Brachman, M.D.
Editor, Michael B. Gregg, M.D.
Managing Editor, Anne D. Mather, M.A.

OFFICIAL BUSINESS FIRST CLASS

9A1906
Mrs Mary Alice Mills
Director, Library
1-408



POSTAGE AND FEES PAID
U.S. DEPARTMENT OF HEW
HEW 399