

# Morbidity and Mortality



WEEKLY REPORT

For Week Ending November 9, 1974

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE PUBLIC HEALTH SERVICE  
DATE OF RELEASE: NOVEMBER 15, 1974 - ATLANTA, GEORGIA 30333

**EPIDEMIOLOGIC NOTES AND REPORTS**  
**FATAL MALARIA - Minnesota**

On July 8, 1974, a 62-year-old woman was admitted comatose to Abbott-Northwestern Hospital in Minneapolis, Minnesota. The patient had returned to the United States 3 days before admission after doing missionary work in Africa for the previous 5 months. One week before admission, while still in Africa, she had become febrile and lethargic and had had occasional episodes of confusion. In the 3 days before admission she continued to be lethargic and had intermittent fever. On the morning of admission she became progressively somnolent and was later found unconscious.

Physical examination on admission revealed a comatose patient who was slightly dehydrated. There was a yellow tinge to her skin, and petechiae were on her lips. Her temperature

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was 106°F. Respiratory rate was 40 per minute with periods of apnea. The patient was unresponsive to painful stimuli and had limb flaccidity and hypoactive reflexes.

Admission laboratory studies revealed a hemoglobin of 10.2 gm%, a platelet count of 58,000, and a reticulocyte count of 1.3%. Fibrin split products were greater than 40 µg

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

DISEASE	WEEK ENDING		MEDIAN 1969-1973	CUMULATIVE, FIRST 45 WEEKS		
	November 9, 1974	November 10, 1973		1974	1973	MEDIAN 1969-1973
Aseptic meningitis	46	106	116	2,726	4,210	4,210
Brucellosis	7	2	4	158	164	167
Chickenpox	1,282	948	---	105,712	149,602	---
Diphtheria	5	4	5	206	161	158
Encephalitis:						
Primary: Arthropod-borne and unspecified	13	40	37	884	1,351	1,340
Post-Infectious	3	4	2	224	248	271
Hepatitis, Viral:						
Type B	171	152	163	8,436	7,010	7,010
Type A	605	1,005	1,112	36,078	44,638	47,525
Type unspecified	151	---	---	7,149	---	---
Malaria	7	3	38	227	221	2,656
Measles (rubeola)	104	175	359	20,788	25,130	28,396
Meningococcal infections, total	21	25	26	1,144	1,197	1,976
Civilian	21	25	25	1,116	1,171	1,766
Military	---	---	1	28	26	209
Mumps	597	1,070	1,386	48,254	60,764	75,287
Pertussis	18	---	---	1,478	---	---
Rubella (German measles)	139	143	256	10,947	26,903	41,090
Tetanus	2	---	4	83	79	102
Tuberculosis, new active	523	685	---	26,344	27,101	---
Tularemia	1	2	1	129	144	133
Typhoid fever	6	2	12	369	588	324
Typhus, tick-borne (Rky. Mt. spotted fever)	1	4	2	737	617	437
Venereal Diseases:						
Gonorrhea	16,793	17,245	---	789,822	737,751	---
Syphilis, primary and secondary	407	485	---	21,633	21,574	---
Rabies in animals	41	46	47	2,557	3,004	3,004

**TABLE II. NOTIFIABLE DISEASES OF LOW FREQUENCY**

	Cum.		Cum.
Anthrax:	2	Poliomyelitis, total:	5
Botulism:	16	Paralytic:	5
Congenital rubella syndrome:	44	Psittacosis*: Oreg. 1	149
Leprosy:	87	Rabies in man:	---
Leptospirosis: Hi. 1, Texas 1, Miss. 1	40	Trichinosis:	79
Plague: * N.M. 1	6	Typhus, murine:	22

\*Delayed reports: Plague: N.M. 1, Utah 1  
 Psittacosis: Mo. delete 1

**MALARIA - Continued**

per ml; prothrombin time was 15.4, with a control of 12.1 seconds, and partial thromboplastin time was 34.7, with a control of 41.2 seconds. A blood smear was positive for *Plasmodium falciparum*. Electroencephalogram showed diffuse symmetrical slowing.

Treatment was begun with chloroquine, pyrimethamine, and quinine via a feeding tube since parenteral preparations were not immediately available. Her temperature fell to 99.4°F with the use of cooling blanket and aspirin. She was treated with Decadron\* and Mannitol\* to prevent cerebral edema and with heparin to prevent capillary thrombosis. Her condition remained stable until the following morning.

On the morning of the second hospital day her hemoglobin dropped to 4.4 gm%. She had a respiratory arrest followed shortly by ventricular fibrillation. Despite continued support, her condition deteriorated and she died July 9, 1974. Postmortem examination showed findings consistent with falciparum malaria with marked cerebral involvement, cerebral edema, pulmonary edema, bronchopneumonia, and bilateral pulmonary granulomas of unknown etiology.

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

The patient had no previous history of malaria, and she had not taken malaria chemoprophylaxis while in West Africa.

(Reported by Vincent L. Fronke, M.D., Private Physician, Minneapolis; M. Blehert Fine, M.D., Resident in Pathology, and T.D. Gillund, M.D., Pathologist, Abbott-Northwestern Hospital; John Washburn, Assistant Epidemiologist, and D.S. Fleming, M.D., Director, Division of Personal Health Services, Minnesota Department of Health; and an EIS Officer.)

**Editorial Note**

It is essential that all travelers to areas where malaria transmission occurs take chemoprophylaxis. The recommended regimen is chloroquine phosphate 500 mg orally (300 mg base) once a week beginning 1 week prior to arrival and continuing for 6 weeks after departure from the malarious area.

This is the third case of fatal malaria reported to CDC in 1974. All malaria fatalities in 1974 have been in patients with *P. falciparum* infection, as were all 4 fatalities reported in 1973. Prompt diagnosis and therapy are essential in the treatment of falciparum malaria infection occurring in nonimmune individuals, since these infections are usually rapidly progressive and can be fatal. Parenteral quinine is available on an emergency basis from the Parasitic Disease Drug Service, CDC, Atlanta.

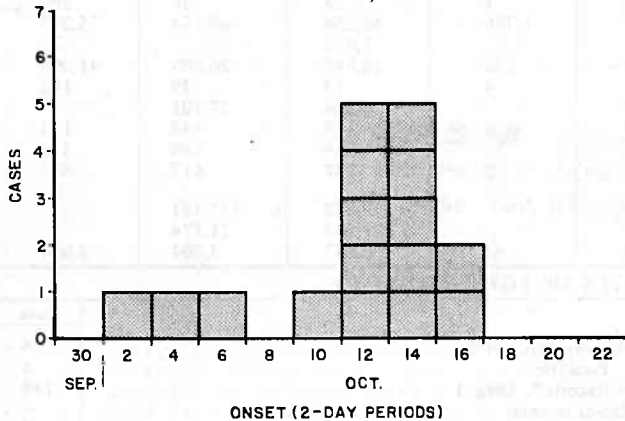
**MEASLES OUTBREAK IN 10-16 YEAR OLDS - Tennessee**

Between October 1 and 16, 16 cases of measles occurred among pupils at a school in Friendship, Tennessee (Figure 1). The school houses kindergarten through twelfth grades in 2 separate buildings and draws its 368 pupils from 2 counties in rural western Tennessee. The illness was characterized by fever (103-104°F), rash, cough, coryza, and conjunctivitis in most patients. Physicians observed Kopliks spots in 3 patients. Three additional patients with fever and rash were thought to have modified measles.

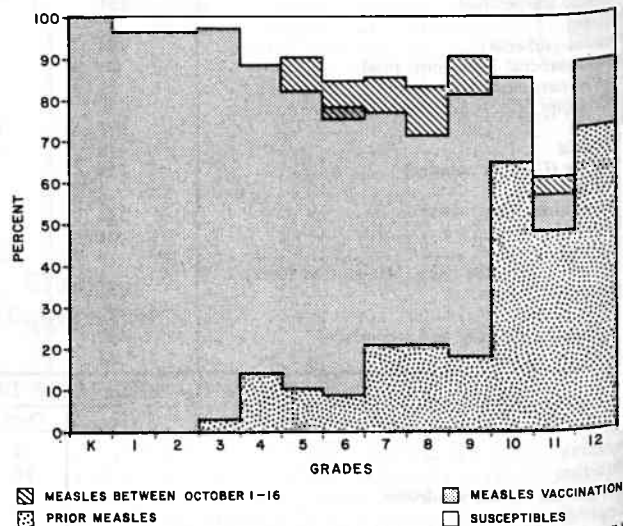
The outbreak was limited to pupils aged 10 to 16 in 6 grades; 15 were in grades 5-9, 1 in grade 11. Neighboring schools and day-care centers reported no cases. While the overall attack rate for the school was 4.3 per 100, the rate

for grades 5 through 9 was 9.4 per 100. Records from the health department, school, and parents were reviewed for prior measles vaccination or disease. History was available from all but 28 pupils. In classes where no measles occurred, 94% of pupils had a history of prior measles or measles vaccination compared with 74% in classes where measles occurred (Figure 2).

**Figure 1**  
MEASLES CASES, BY DATE OF ONSET,  
FRIENDSHIP SCHOOL, CROCKETT COUNTY, TENNESSEE,  
OCTOBER 1-16, 1974



**Figure 2**  
PERCENT OF STUDENTS IN GRADES K-12 WITH  
A HISTORY OF MEASLES IN OCTOBER 1974,  
PRIOR MEASLES, OR MEASLES VACCINATION  
FRIENDSHIP SCHOOL, CROCKETT COUNTY, TENNESSEE



(Continued on page 387)

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES FOR WEEKS ENDING NOVEMBER 9, 1974 AND NOVEMBER 10, 1973 (45th WEEK)

AREA	ASEPTIC MENINGITIS	BRUCELLOSIS	CHICKENPOX	DIPHTHERIA		ENCEPHALITIS			HEPATITIS, VIRAL			MALARIA	
						Primary: Arthropod-borne and Unspecified		Post Infectious	Type B	Type A	Type Unspecified		
						1974	1973	1974	1974	1974	1974		
UNITED STATES	46	7	1,282	5	206	13	40	3	171	605	151	7	227
NEW ENGLAND	2	-	130	-	-	-	-	-	6	35	14	-	8
Maine *	-	-	2	-	-	-	-	-	-	1	-	-	-
New Hampshire *	-	-	4	-	-	-	-	-	-	4	-	-	-
Vermont	-	-	9	-	-	-	-	-	-	5	-	-	-
Massachusetts	2	-	43	-	-	-	-	-	3	7	14	-	2
Rhode Island *	-	-	13	-	-	-	-	-	3	10	-	-	3
Connecticut	-	-	59	-	-	-	-	-	-	8	-	-	3
MIDDLE ATLANTIC	6	-	38	-	1	2	4	1	25	58	20	1	41
Upstate New York	-	-	20	-	-	-	1	-	-	10	-	1	16
New York City *	2	-	17	-	-	-	-	-	7	21	-	-	14
New Jersey	3	-	NN	-	-	1	-	-	11	12	17	-	5
Pennsylvania *	1	-	1	-	1	1	3	1	7	15	3	-	6
EAST NORTH CENTRAL	1	-	502	-	2	7	15	1	28	143	31	-	19
Ohio	1	-	13	-	1	3	10	-	4	36	-	-	6
Indiana *	-	-	115	-	-	-	3	-	1	-	15	-	-
Illinois	-	-	-	-	1	-	1	-	7	34	12	-	2
Michigan	-	-	177	-	-	4	1	1	15	43	4	-	10
Wisconsin	-	-	197	-	-	-	-	-	1	30	-	-	1
WEST NORTH CENTRAL	15	-	193	-	-	1	15	-	18	33	24	-	7
Minnesota	-	-	2	-	-	1	1	-	8	4	-	-	2
Iowa	2	-	160	-	-	-	1	-	3	1	2	-	3
Missouri	8	-	27	-	-	-	10	-	5	2	17	-	1
North Dakota	-	-	-	-	-	-	-	-	-	4	-	-	-
South Dakota	-	-	-	-	-	-	-	-	-	-	-	-	1
Nebraska	-	-	-	-	-	-	-	-	1	4	1	-	-
Kansas	5	-	4	-	-	-	3	-	1	18	4	-	-
SOUTH ATLANTIC	3	5	122	-	1	1	1	1	24	136	12	3	35
Delaware	-	-	5	-	-	-	-	-	1	3	-	-	1
Maryland	-	-	2	-	-	-	-	-	-	4	1	1	6
District of Columbia	-	-	-	-	-	-	-	-	2	-	-	-	5
Virginia *	-	5	4	-	-	-	-	-	4	9	2	1	7
West Virginia	1	-	101	-	-	-	-	1	-	-	1	-	2
North Carolina	-	-	NN	-	1	-	-	-	4	15	-	-	4
South Carolina	-	-	10	-	-	-	-	-	1	1	3	1	1
Georgia	-	-	-	-	-	-	1	-	-	26	-	-	1
Florida *	2	-	-	-	-	1	-	-	12	78	5	-	8
EAST SOUTH CENTRAL	8	-	57	-	-	-	-	-	21	55	-	1	9
Kentucky	-	-	40	-	-	-	-	-	5	20	-	1	5
Tennessee	2	-	NN	-	-	-	-	-	3	12	-	-	1
Alabama	5	-	14	-	-	-	-	-	11	18	-	-	-
Mississippi	1	-	3	-	-	-	-	-	2	5	-	-	3
WEST SOUTH CENTRAL	8	1	152	-	9	1	1	-	20	82	32	-	16
Arkansas	-	-	33	-	-	-	-	-	-	8	-	-	1
Louisiana	-	-	NN	-	-	-	1	-	4	4	10	-	1
Oklahoma	1	-	18	-	-	-	-	-	1	5	-	-	6
Texas	7	1	101	-	9	1	-	-	15	65	22	-	8
MOUNTAIN	1	1	10	3	34	-	1	-	10	28	8	2	12
Montana *	-	-	2	-	-	-	-	-	1	3	-	-	-
Idaho	-	-	-	-	-	-	1	-	-	4	-	-	-
Wyoming	-	-	-	-	-	-	-	-	-	-	-	-	-
Colorado	-	1	6	3	3	-	-	-	3	1	3	-	5
New Mexico	1	-	-	-	13	-	-	-	1	5	-	-	3
Arizona	-	-	-	-	18	-	-	-	4	11	5	2	2
Utah	-	-	-	-	-	-	-	-	1	2	-	-	1
Nevada *	-	-	2	-	-	-	-	-	-	2	-	-	1
PACIFIC	2	-	78	2	159	1	3	-	19	35	10	-	80
Washington	2	-	61	2	148	1	-	-	6	14	7	-	-
Oregon	-	-	-	-	-	-	-	-	8	18	3	-	2
California *	---	---	---	---	7	---	3	---	---	---	---	---	74
Alaska	-	-	7	-	4	-	-	-	3	2	-	-	-
Hawaii	-	-	10	-	-	-	-	-	2	1	-	-	4
Guam	-	-	-	-	-	-	-	-	-	-	-	-	2
Puerto Rico	-	-	5	-	1	-	-	-	-	-	10	-	1
Virgin Islands	-	-	1	-	-	-	-	-	-	-	-	-	3

\*Delayed reports: Aseptic Meningitis: N.H. 1, Penn. 3, Va. 2  
 Brucellosis: R.I. 1  
 Chickenpox: Me. 23, N.H. 5, R.I. 7, NYC 22, Ind. 72,  
 Va. 1, Mont. 5, Calif. 1  
 Encephalitis, primary: Fla. 1

Encephalitis, Post: Va. 1  
 Hepatitis B: R.I. 1, NYC 3, Penn. 23, Ind. 1, Va. 1  
 Hepatitis A: Me. 1, N.H. 1, R.I. 5, NYC 13, Penn. 22,  
 Va. 5, Mont. 4, Nev. 1  
 Hepatitis unspecified: Penn. 4, Ind. 22, Va. 2

## Morbidity and Mortality Weekly Report

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
FOR WEEKS ENDING NOVEMBER 9, 1974 AND NOVEMBER 10, 1973 (45th WEEK) — Continued

AREA	MEASLES (Rubeola)			MENINGOCOCCAL INFECTIONS, TOTAL			MUMPS		PERTUSSIS	RUBELLA		TETANUS
	1974	Cumulative		1974	Cumulative		1974	Cum. 1974	1974	1974	Cum. 1974	Cum. 1974
		1974	1973		1974	1973						
UNITED STATES	104	20,788	25,130	21	1,144	1,197	597	48,254	18	139	10,947	83
NEW ENGLAND	2	947	7,473	3	56	50	72	6,237	-	57	1,140	1
Maine*	-	43	69	-	2	1	-	822	-	-	286	-
New Hampshire*	-	210	908	-	10	7	1	290	-	2	22	1
Vermont	-	57	120	-	2	3	-	29	-	1	39	-
Massachusetts	1	399	3,944	1	17	13	9	1,035	-	7	359	-
Rhode Island*	-	59	620	1	9	3	15	2,519	-	-	19	-
Connecticut	1	179	1,812	1	16	23	47	1,542	-	47	415	-
MIDDLE ATLANTIC	22	8,193	2,591	2	177	166	27	3,804	5	3	1,131	7
Upstate New York	1	964	816	-	63	59	4	937	2	2	260	2
New York City*	3	615	928	-	40	34	10	701	3	-	159	1
New Jersey	18	5,646	473	-	48	40	5	690	-	-	457	2
Pennsylvania*	-	968	374	2	26	33	8	1,476	-	1	255	2
EAST NORTH CENTRAL	57	8,102	8,768	-	140	161	213	13,931	7	33	3,620	10
Ohio	2	3,055	291	-	54	68	13	3,216	-	-	520	2
Indiana*	6	265	678	-	15	4	26	1,064	-	7	620	-
Illinois	16	2,083	2,104	-	10	26	54	1,286	5	5	598	3
Michigan	22	2,120	4,439	-	44	47	108	5,871	2	21	1,294	4
Wisconsin	11	579	1,256	-	17	16	12	2,494	-	-	588	1
WEST NORTH CENTRAL	1	704	451	-	85	90	37	3,040	-	-	228	13
Minnesota	-	85	21	-	30	12	-	44	-	-	13	2
Iowa	-	134	279	-	14	21	19	1,833	-	-	15	1
Missouri*	1	265	53	-	20	34	11	412	-	-	41	4
North Dakota	-	31	65	-	3	3	7	69	-	-	18	3
South Dakota	-	27	-	-	3	4	-	2	-	-	26	-
Nebraska	-	2	6	-	3	7	-	88	-	-	6	-
Kansas	-	160	27	-	12	9	-	592	-	-	109	3
SOUTH ATLANTIC	-	580	1,266	4	221	203	62	5,794	-	5	1,273	23
Delaware	-	15	9	-	5	2	1	99	-	-	30	-
Maryland	-	24	13	-	23	27	-	120	-	-	5	1
District of Columbia	-	3	8	-	1	4	-	50	-	-	4	-
Virginia*	-	38	422	1	39	40	8	636	-	1	50	3
West Virginia	-	218	219	-	7	6	25	3,054	-	4	303	1
North Carolina	-	5	4	-	45	42	NN	NN	-	-	55	4
South Carolina	-	54	66	-	18	13	3	128	-	-	637	4
Georgia	-	4	152	-	8	23	-	1	-	-	3	1
Florida	-	219	373	3	75	46	25	1,706	-	-	186	9
EAST SOUTH CENTRAL	6	281	629	5	112	111	56	5,847	1	2	620	5
Kentucky	3	194	393	4	43	40	27	2,322	-	-	216	-
Tennessee	3	56	165	-	50	42	15	2,592	1	2	323	2
Alabama	-	18	13	1	11	16	12	556	-	-	62	1
Mississippi	-	13	58	-	8	13	2	377	-	-	19	2
WEST SOUTH CENTRAL	6	227	719	6	196	184	89	3,543	-	29	460	8
Arkansas*	-	7	70	-	13	13	4	140	-	-	26	-
Louisiana	-	13	87	4	53	44	-	234	-	5	99	3
Oklahoma	-	29	60	-	19	32	1	395	-	3	57	2
Texas	6	178	502	2	111	95	84	2,774	-	21	278	3
MOUNTAIN	6	758	892	1	38	34	17	1,157	4	-	422	1
Montana*	-	373	171	-	1	7	-	178	-	-	68	-
Idaho	-	52	256	-	2	4	-	158	-	-	14	-
Wyoming	-	1	81	-	3	-	-	10	-	-	-	-
Colorado	3	36	107	-	9	11	9	560	-	-	160	-
New Mexico	-	61	128	-	3	3	1	179	3	-	124	-
Arizona	2	20	19	-	7	5	-	-	-	-	1	1
Utah	1	16	129	1	9	2	7	67	1	-	22	-
Nevada	-	199	1	-	4	2	-	5	-	-	33	-
PACIFIC	4	996	2,341	-	119	198	24	4,901	1	10	2,053	15
Washington	4	72	1,041	-	15	20	21	1,689	-	8	403	1
Oregon	-	-	460	-	14	16	1	813	1	2	230	2
California	---	858	755	---	83	154	---	2,183	---	---	1,403	11
Alaska	-	-	65	-	4	8	-	148	-	-	-	-
Hawaii	-	66	20	-	3	-	2	68	-	-	17	1
Guam	-	17	52	-	1	-	-	362	-	-	6	-
Puerto Rico	24	659	1,941	-	6	8	29	1,152	3	-	32	4
Virgin Islands	-	29	7	-	-	-	-	35	-	-	-	1

\* Delayed reports: Measles: N.H. 10, NYC 3, Penn. 1, Ind. 4

Ark. delete 5

Meningococcal Infection: Penn. 4, Mo. delete 1, Va. 1

Mumps: Me. 23, R.I. 13, NYC 9, Penn. 6, Ind. 15, Va. 14, Mont. 1

Pertussis: NYC 3

Rubella: Me. 1, NYC 1, Penn. 2, Ind. 5

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
FOR WEEKS ENDING NOVEMBER 9, 1974 AND NOVEMBER 10, 1973 (45th WEEK) - Continued

AREA	TUBERCULOSIS (New Active)		TULA- REMIA	TYPHOID FEVER		TYPHUS-FEVER TICK-BORNE (Rky. Mt. spotted fever)		VENEREAL DISEASES					RABIES IN ANIMALS	
	1974	Cum. 1974		Cum. 1974	1974	Cum. 1974	1974	Cum. 1974	GONORRHEA		SYPHILIS (Pri. & Sec.)			Cum. 1974
			1974						Cumulative		1974	Cumulative		
									1974	1973		1974	1973	
UNITED STATES	523	26,344	129	6	369	1	737	16,793	789,822	737,751	407	21,633	21,574	2,557
NEW ENGLAND	18	1,059	-	-	18	-	8	300	20,869	18,441	3	430	580	25
Maine	1	81	-	-	1	-	-	45	1,783	1,200	1	40	22	3
New Hampshire	-	25	-	-	1	-	-	19	700	704	-	11	10	3
Vermont	-	23	-	-	-	-	-	11	569	305	-	2	21	1
Massachusetts	12	575	-	-	12	-	6	-	9,319	7,788	-	176	264	4
Rhode Island *	-	94	-	-	2	-	2	57	1,884	1,878	-	18	15	4
Connecticut *	5	261	-	-	2	-	-	168	6,614	6,566	2	183	248	10
MIDDLE ATLANTIC	88	4,811	2	2	61	-	66	2,507	94,672	102,220	75	4,609	4,789	77
Upstate New York	-	705	2	-	14	-	27	312	18,051	17,795	-	425	338	34
New York City *	38	1,845	-	1	33	-	3	1,179	40,553	45,961	51	2,659	2,867	-
New Jersey	20	882	-	1	10	-	4	470	13,242	15,119	12	736	871	25
Pennsylvania *	30	1,379	-	-	4	-	32	546	22,826	23,345	12	789	713	18
EAST NORTH CENTRAL	114	3,641	6	1	38	-	26	3,577	125,703	113,125	40	1,877	1,986	185
Ohio	34	961	-	-	6	-	17	1,318	33,467	27,548	4	295	235	26
Indiana *	25	535	-	-	5	-	1	420	12,063	10,217	7	162	254	14
Illinois	29	1,042	3	1	15	-	6	912	40,281	39,261	13	961	1,007	43
Michigan	24	994	-	-	10	-	2	609	27,629	26,861	14	367	423	4
Wisconsin	2	109	3	-	2	-	-	318	12,263	9,238	2	92	67	98
WEST NORTH CENTRAL	21	994	20	-	10	-	17	852	41,220	37,340	11	548	337	678
Minnesota	3	155	-	-	4	-	-	153	9,104	7,474	3	70	91	230
Iowa	-	109	-	-	2	-	1	35	5,268	4,417	-	34	54	114
Missouri	10	472	17	-	2	-	9	384	13,585	12,703	4	364	153	38
North Dakota	2	30	-	-	-	-	-	11	641	618	-	3	2	99
South Dakota	1	51	3	-	-	-	2	43	1,976	1,901	-	2	5	134
Nebraska	1	42	-	-	-	-	-	58	3,582	4,209	-	10	10	4
Kansas	4	135	-	-	2	-	5	168	7,064	6,018	4	65	22	59
SOUTH ATLANTIC	151	5,585	10	-	52	-	408	4,356	200,484	178,899	176	6,885	6,346	356
Delaware	-	88	-	-	-	-	10	91	2,658	2,595	2	76	80	1
Maryland	12	725	1	-	8	-	48	537	21,274	15,796	10	681	628	26
District of Columbia	14	320	-	-	1	-	-	293	14,300	15,379	22	580	748	-
Virginia *	15	685	4	-	3	-	133	280	18,127	17,544	10	676	724	93
West Virginia	5	261	-	-	13	-	5	72	2,306	2,638	-	17	21	30
North Carolina	22	832	3	-	3	-	107	885	27,505	26,447	33	849	550	38
South Carolina	10	513	-	-	5	-	55	535	20,307	18,666	5	711	1,000	6
Georgia	30	832	2	-	3	-	48	556	40,983	34,838	28	771	873	125
Florida	43	1,329	-	-	16	-	2	1,107	53,024	44,996	66	2,524	1,722	37
EAST SOUTH CENTRAL	35	2,330	13	3	52	-	110	1,632	65,843	59,684	32	1,127	1,193	216
Kentucky	8	497	3	3	18	-	19	215	8,138	7,140	2	247	322	128
Tennessee	12	736	6	-	25	-	65	478	26,215	23,304	14	421	407	52
Alabama	8	695	2	-	4	-	10	585	18,109	16,849	12	220	167	33
Mississippi	7	402	2	-	5	-	16	354	13,381	12,391	4	239	297	3
WEST SOUTH CENTRAL	51	3,068	59	-	25	-	92	2,251	104,287	95,417	46	2,006	2,338	537
Arkansas *	9	362	31	-	4	-	11	189	10,168	10,918	2	88	121	67
Louisiana	12	438	3	-	8	-	1	302	20,842	20,287	10	521	718	24
Oklahoma	8	270	18	-	2	-	63	186	9,601	8,701	6	127	152	147
Texas *	22	1,998	7	-	11	-	17	1,574	63,676	55,511	28	1,270	1,347	299
MOUNTAIN	25	845	12	-	17	1	7	632	30,130	25,167	10	511	533	161
Montana *	-	59	-	-	-	-	1	40	1,644	1,453	-	3	4	6
Idaho	-	32	-	-	-	-	1	47	1,565	1,790	1	11	10	-
Wyoming *	-	18	6	-	3	-	1	14	644	454	-	9	28	11
Colorado	5	161	-	-	-	-	1	151	8,409	6,787	2	125	180	27
New Mexico	4	171	2	-	4	1	2	81	4,616	4,401	1	81	101	73
Arizona *	14	315	-	-	7	-	-	140	8,410	7,087	5	189	138	43
Utah	1	36	4	-	-	-	1	77	1,822	1,435	-	14	12	1
Nevada	1	53	-	-	3	-	-	82	3,020	1,760	1	79	60	-
PACIFIC	20	4,011	7	-	96	-	3	686	106,614	107,456	14	3,640	3,472	322
Washington	7	291	-	-	13	-	1	333	10,292	10,372	12	80	136	-
Oregon	3	177	1	-	1	-	2	255	9,935	9,474	-	92	54	6
California	---	3,141	6	---	78	---	---	---	81,633	83,160	---	3,423	3,200	305
Alaska	-	82	-	-	2	-	-	59	2,609	2,465	-	16	16	11
Hawaii	10	320	-	-	2	-	-	39	2,145	1,987	2	29	66	-
Guam	-	28	-	-	-	-	-	-	245	388	-	3	5	-
Puerto Rico	8	469	-	-	4	-	-	48	2,852	3,701	12	771	632	50
Virgin Islands	-	3	-	-	-	-	-	5	273	202	-	43	29	-

Delayed reports: Tuberculosis: R. I. 2, Conn. 7, NYC 17, Penn 38  
Ind. 7, Va. 10, N.C. delete 2  
Typhoid: NYC 1, Ark. 2, Texas 1, Ariz. delete 1

Gonorrhea: R. I. 65, NYC 1,369, Penn. 494, Ind. 293,  
Va. 577, Ark. 312, Mont. 50, Wyo. 26, Nev. 55  
Syphilis: R. I. 2, NYC 68, Penn. 10, Ind. 10, Va. 9, Ark. 1,  
Wyo. 1, Nev. 2  
Rabies: Penn. 3, Ind. 1

## Morbidity and Mortality Weekly Report

Week No.  
45

TABLE IV. DEATHS IN 121 UNITED STATES CITIES FOR WEEK ENDING NOVEMBER 9, 1974

(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	45-64 years	25-44 years	Under 1 year			All Ages	65 years and over	45-64 years	25-44 years	Under 1 year	
<b>NEW ENGLAND</b>	685	417	188	38	25	43	<b>SOUTH ATLANTIC</b>	1,205	630	333	100	99	33
Boston, Mass.	206	107	63	16	10	22	Atlanta, Ga.	163	79	51	16	7	6
Bridgeport, Conn.	42	28	11	1	1	2	Baltimore, Md.	194	105	63	20	2	2
Cambridge, Mass.	32	21	11	—	—	3	Charlotte, N. C.	50	24	14	7	1	—
Fall River, Mass.	30	22	8	—	—	—	Jacksonville, Fla.	66	38	17	4	—	—
Hartford, Conn.	63	35	20	4	3	3	Miami, Fla.	121	63	43	3	8	1
Lowell, Mass.	28	21	4	2	—	2	Norfolk, Va.	66	34	17	6	7	3
Lynn, Mass.	15	10	4	1	—	—	Richmond, Va.	84	44	28	11	—	5
New Bedford, Mass.	27	20	6	—	1	1	Savannah, Ga.	36	27	8	—	1	3
New Haven, Conn.	45	32	9	2	2	2	St. Petersburg, Fla.	75	67	6	1	1	7
Providence, R. I.	45	32	12	1	—	5	Tampa, Fla.	65	32	19	8	4	3
Somerville, Mass.	6	3	1	2	—	—	Washington, D. C.	232	83	53	22	67	1
Springfield, Mass.	49	25	15	4	1	—	Wilmington, Del.	53	34	14	2	1	2
Waterbury, Conn.	36	24	7	3	2	—	<b>EAST SOUTH CENTRAL</b>	658	364	189	47	32	18
Worcester, Mass.	61	37	17	2	5	3	Birmingham, Ala.	126	57	35	13	17	2
<b>MIDDLE ATLANTIC</b>	2,969	1,821	768	176	92	130	Chattanooga, Tenn.	58	25	22	5	1	4
Albany, N. Y.	46	28	15	2	1	1	Knoxville, Tenn.	42	28	6	4	2	2
Allentown, Pa.	23	20	3	—	—	2	Louisville, Ky.	98	60	26	6	4	5
Buffalo, N. Y.	123	79	33	5	4	5	Memphis, Tenn.	151	82	54	6	3	2
Camden, N. J.	36	13	17	5	—	3	Mobile, Ala.	49	29	14	4	1	—
Elizabeth, N. J.	30	20	8	1	—	3	Montgomery, Ala.	42	28	9	1	3	3
Erie, Pa.	38	18	12	3	1	7	Nashville, Tenn.	92	55	23	8	1	—
Jersey City, N. J.	48	31	11	2	1	1	<b>WEST SOUTH CENTRAL</b>	1,314	703	387	103	64	36
Newark, N. J.	76	32	16	15	8	11	Austin, Tex.	51	30	9	6	—	1
New York City, N. Y. †	1,535	961	379	101	33	57	Baton Rouge, La.	43	27	13	3	—	1
Paterson, N. J.	40	19	18	3	—	3	Corpus Christi, Tex.	31	15	12	2	—	3
Philadelphia, Pa.	395	225	114	19	25	5	Dallas, Tex.	144	81	40	9	6	2
Pittsburgh, Pa.	199	105	66	9	10	13	El Paso, Tex.	45	22	11	4	7	4
Reading, Pa.	39	29	8	—	1	4	Fort Worth, Tex.	75	46	15	7	5	3
Rochester, N. Y.	120	86	22	6	1	10	Houston, Tex.	428	207	131	42	27	8
Schenectady, N. Y.	20	17	3	—	—	—	Little Rock, Ark.	57	29	20	5	—	2
Scranton, Pa.	39	28	11	—	—	1	New Orleans, La.	170	103	53	9	1	2
Syracuse, N. Y.	83	50	18	2	7	1	San Antonio, Tex.	147	80	47	9	6	5
Trenton, N. J.	27	21	5	—	—	2	Shreveport, La.	35	17	8	2	8	—
Utica, N. Y.	21	14	4	2	—	—	Tulsa, Okla.	88	46	28	5	4	5
Yonkers, N. Y.	31	25	5	1	—	1	<b>MOUNTAIN</b>	497	276	138	45	18	8
<b>EAST NORTH CENTRAL</b>	2,288	1,330	600	171	96	54	Albuquerque, N. Mex.	57	27	20	6	1	2
Akron, Ohio	82	51	25	4	1	—	Colorado Springs, Colo.	29	16	9	2	2	1
Canton, Ohio	41	24	12	3	—	—	Denver, Colo.	107	65	27	8	1	1
Chicago, Ill.	557	307	146	62	20	12	Las Vegas, Nev.	19	6	10	2	1	—
Cincinnati, Ohio	124	73	38	6	3	2	Ogden, Utah	12	8	4	—	—	1
Cleveland, Ohio	198	117	55	15	4	2	Phoenix, Ariz.	117	71	25	10	3	—
Columbus, Ohio	135	68	41	4	13	1	Pueblo, Colo.	23	17	4	2	—	3
Dayton, Ohio	94	49	29	5	5	1	Salt Lake City, Utah	54	23	15	8	6	—
Detroit, Mich.	323	177	93	30	11	4	Tucson, Ariz.	79	43	24	7	4	—
Evansville, Ind.	44	30	11	1	2	5	<b>PACIFIC</b>	1,461	910	357	96	43	42
Fort Wayne, Ind.	52	36	11	2	3	2	Berkeley, Calif.	17	13	3	1	—	1
Gary, Ind.	35	15	11	4	3	—	Fresno, Calif.	61	38	17	3	2	—
Grand Rapids, Mich.	47	32	9	3	2	3	Glendale, Calif.	27	18	3	2	—	1
Indianapolis, Ind.	145	81	36	10	10	5	Honolulu, Hawaii	50	26	15	3	3	1
Madison, Wis.	28	18	3	1	2	8	Long Beach, Calif.	100	62	25	8	2	1
Milwaukee, Wis.	102	65	24	5	2	4	Los Angeles, Calif.	405	250	104	26	12	5
Peoria, Ill.	42	30	8	1	3	—	Oakland, Calif.	82	53	14	5	6	—
Rockford, Ill.	46	35	5	3	3	1	Pasadena, Calif.	31	22	6	—	1	3
South Bend, Ind.	41	33	6	1	—	2	Portland, Ore.	121	77	28	8	4	8
Toledo, Ohio	102	61	24	6	6	1	Sacramento, Calif.	60	39	15	1	2	3
Youngstown, Ohio	50	28	13	5	3	1	San Diego, Calif.	107	62	27	10	4	3
<b>WEST NORTH CENTRAL</b>	714	448	168	42	28	21	San Francisco, Calif.	159	89	45	16	2	5
Des Moines, Iowa	45	32	9	1	1	—	San Jose, Calif.	43	29	9	2	1	—
Duluth, Minn.	23	17	5	—	—	2	Seattle, Wash.	106	69	26	7	2	3
Kansas City, Kans.	44	28	6	1	3	2	Spokane, Wash.	55	36	13	2	2	7
Kansas City, Mo.	111	65	34	6	2	1	Tacoma, Wash.	37	27	7	2	—	1
Lincoln, Nebr.	16	15	1	—	—	2	<b>Total</b>	11,791	6,899	3,128	818	497	385
Minneapolis, Minn.	99	62	21	8	6	2	<b>Expected Number</b>	12,205	7,274	3,252	807	407	400
Omaha, Nebr.	65	37	15	7	4	1							
St. Louis, Mo.	210	131	47	14	10	3							
St. Paul, Minn.	49	35	11	—	1	1							
Wichita, Kans.	52	26	19	5	1	7							

†Delayed report for week ending November 2, 1974.

**MEASLES – Continued**

This is the second measles outbreak in Tennessee this year and the first to occur in this older age group. Most of the pupils in grades 10 through 12 had developed immunity from naturally acquired infection. However, a large number of susceptible children in grades 5 through 9 remained who had neither been vaccinated nor had had measles.

(Reported by William Cradock, M.D., Pediatrician, Dyer County; D.N. Hickman, M.D., Health Officer, Crockett County; Pat Duncan, R.N., Immunization Representative, Northwest Region, Robert Flye, Health Planner, Ella Vander Horst, R.N., Nurse Epidemiologist, and Robert H. Hutcheson, Jr., M.D., M.P.H., State Epidemiologist, Tennessee Department of Public Health; and an EIS Officer.)

**MULTIPLE ABSCESES AND DEATH DUE TO *CHROMOBACTERIUM VIOLACEUM* – Florida**

On September 30, 1974, a previously well 15-year-old boy was admitted to the Florida Hospital in Orlando with a 1-week history of malaise, nausea, vomiting, diarrhea, right upper quadrant abdominal pain, and diffusely painful extremities. There was no history of injury. The parents stated that the patient frequently played football barefoot in his neighborhood.

Positive physical findings were a temperature of 103°F, abdominal tenderness most pronounced in the right upper quadrant, and diffusely tender extremities. Laboratory studies showed a white blood cell count of greater than 20,000. An intravenous pyelogram was normal. A liver scan showed multiple defects compatible with abscesses.

At laparotomy several liver abscesses were drained and cultured. The following day multiple subcutaneous nodules appeared on the patient's face and limbs and were thought to represent septic emboli. On the day of admission gentamicin and clindamycin were begun, and chloramphenicol was subsequently added. The hospital course was progressively downhill with septic shock, renal failure, and cardiac arrest resulting in death on the seventh hospital day. Additional findings noted at autopsy were multiple pulmonary abscesses and a solitary myocardial abscess.

Cultures of liver abscesses, blood, and subcutaneous nodules grew *Chromobacterium violaceum*, sensitive to gentamicin and chloramphenicol.

(Reported by Carlos J. Ruiz, M.D., Attending Physician, Nicholas Mabry, M.D., Admitting Physician, Eugenio Gerscovich, M.D., Surgeon, W. H. Schrader, M.D., Pathologist, and Jane Slaughter, M.T. (ASCP), Microbiology Supervisor, Florida Hospital; Nathan J. Schneider, Ph.D., M.P.H., Chief, Bureau of Laboratories, Florida Division of Health; the Special Bacteriology Section, Clinical Bacteriology Branch, Bureau of Laboratories, CDC; and an EIS Officer.)

**Editorial Note**

*C. violaceum* is an aerobic Gram-negative organism that has been cultured from soil and water in the southeastern United States. When it is recovered from wounds, it is often regarded as a nonpathogenic contaminant. However, it can cause serious disease. Most cases have occurred in the tropics, but this is the seventh reported illness due to this organism in the United States. All cases have occurred in the Southeast, 5 in Florida (1). Three additional cases have been described in American servicemen in Vietnam (2).

Typically the bacteria is introduced through injury to the skin, and considerable time may elapse before systemic disease is manifest. The organism may also gain entry via the gastrointestinal tract and has been associated with diarrhea (1). The route of infection in this case is unknown, but minor trauma to a foot, antedating the illness and inapparent at the time of admission, may have provided a portal of entry.

Infection is usually characterized by liver abscesses and sepsis. Of the 7 cases reported in this country all have died, usually without benefit of appropriate antibiotics. As in this patient no underlying illness was associated with the infection. In this case the organism appeared to be sensitive to 2 of the antibiotics used, but the patient did not respond. It is possible that at the time of admission the disease was too far advanced to be amenable to therapy.

Although *C. violaceum* is an infrequent cause of disease, physicians, especially in the Southeast, and those treating travelers returning from the tropics should be alert to the possibility and institute appropriate antibiotic therapy promptly after diagnosis.

**References**

1. Johnson WM, DiSalvo AF, Steufr RR: Fatal *Chromobacterium violaceum* septicemia. *Amer J Clin Path* 56:400-406, 1971
2. Ognibene AJ, Thomas E: Fatal infection due to *Chromobacterium violaceum* in Vietnam. *Amer J Clin Path* 54:607-610, 1970

**INTERNATIONAL NOTES  
TYPHOID FEVER – Germany**

As of November 10, 1974, 344 cases of *Salmonella typhi*, phage type A, with 5 deaths were reported in Baden-Württemberg, Germany, mainly from the Heidelberg, Stuttgart, Mannheim, and Ludwigsburg areas. All onset dates are believed to have been between September 21 and October 3. No information on the drug resistance of the epidemic strain has been reported.

The illnesses have been linked epidemiologically to consumption of potato salad from 1 manufacturer in Baden-Württemberg.

(Reported by the World Health Organization: *Weekly Epidemiological Record* 49 (44, 45):369, 377, 1 and 8 Nov 1974, and direct telegraphic communication dated 12 Nov 1974.)

**Editorial Note**

This common source outbreak appears to be under control. CDC recommends no special precautions for American travelers to Germany and is not aware of any travel restrictions.

QUARANTINE MEASURES

The following changes should be made in the listing of U.S. Designated Yellow Fever Vaccination Centers included in the "Supplement - Health Information for International Travel," MMWR, Vol. 23, September 1974:

LOUISIANA

New Orleans Houston, Roy, Faust, and Ewin Clinic 70112

Change address to: 916 Union Street From clinic hours delete Saturday Change telephone number to: 504-524 2381

MICHIGAN

Midland City-County Health Department 48640 Change address to: 125 West Main

OKLAHOMA

Enid Garfield County Health Department 73701

Change clinic hours to: second Monday each month, 2 p.m.

TEXAS

Houston Space Center Medical Associates 77058 Change address to: 16902 El Camino Real, Suite 77058

Erratum, Vol. 23, No. 32, p. 364

In the Erratum for the article "Measles and Rubella Eradication - Alaska," the 2 additional states reporting no rubella in 1974 were listed incorrectly. They are Arizona and Wyoming, not Colorado.

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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 cases, outbreaks, environmental hazards, or other public health problems of current interest to health officials.

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