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For Week Ending November 2, 1974

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE PUBLIC HEALTH SERVICE

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CONTENTS

EPIDEMIOLOGIC NOTES AND REPORTS

HUMAN PLAGUE – New Mexico

Two cases of human plague, 1 confirmed and 1 presumptive, were reported to CDC by the New Mexico Health and Social Services Department.

Case 1

On September 30, a 6-year-old girl from Los Alamos County experienced the onset of fever. The next day, she also developed nausea and lethargy and was seen by a physician in Los Alamos, New Mexico. Admission laboratory data included a peripheral white count of 20,000 with 78% polymorphonuclear leucytes; a lumbar puncture was negative. The patient seemed to improve during a 2-day observation period, during which she received no antibiotic therapy. However, on October 4, she complained of axillary pain. On October 5, the attending physician noted a large, tender axillary node and smaller, matted cervical lymphadenopathy. On that day, a needle aspirate was performed on a left axillary node, and blood cultures were obtained. The patient was started on tetracycline therapy and became afebrile on the second day of treatment. She has recovered and has been discharged from the hospital.

A fluorescent antibody stain of a blood culture isolate

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 44 WEEKS		
	November 2, 1974	November 3, 1973		1974	1973	MEDIAN 1969-1973
Aseptic meningitis	77	209	144	2,674	4,104	4,104
Brucellosis	2	2	2	150	162	163
Chickenpox	1,107	900	– – –	104,294	148,654	– – –
Diphtheria	4	–	3	201	157	153
Encephalitis:						
Primary: Arthropod-borne and unspecified	13	45	41	865	1,311	1,303
Post-Infectious	5	3	3	220	244	270
Hepatitis, Viral:						
Type B	180	197	174	8,236	6,858	6,858
Type A	764	1,094	1,102	35,421	43,633	46,422
Type unspecified	144			6,970		
Malaria	5	11	33	220	218	2,618
Measles (rubeola)	171	207	207	20,671	24,955	28,037
Meningococcal infections, total	22	13	27	1,119	1,172	1,950
Civilian	22	12	27	1,091	1,146	1,743
Military	–	1	–	28	26	207
Mumps	646	861	1,204	47,576	59,964	73,901
Pertussis	37	– – –	– – –	1,457	– – –	– – –
Rubella (German measles)	120	119	251	10,799	26,760	40,881
Tetanus	2	2	2	81	79	98
Tuberculosis, new active	510	510	– – –	25,742	26,416	– – –
Tularemia	2	1	4	128	142	133
Typhoid fever	12	11	8	360	586	310
Typhus, tick-borne (Rky. Mt. spotted fever)	–	1	5	736	613	434
Venereal Diseases:						
Gonorrhea	15,504	17,507	– – –	769,788	720,506	– – –
Syphilis, primary and secondary	395	468	– – –	21,123	21,089	– – –
Rabies in animals	35	42	50	2,512	2,958	2,957

TABLE II. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	2	Poliomyelitis, total:	5
Botulism: Utah 1	16	Paralytic:	5
Congenital rubella syndrome:	44	Psittacosis: Upstate N.Y. 1	149
Leprosy:	87	Rabies in man:	–
Leptospirosis: La. 2, Okla. 1, Calif. 1	37	Trichinosis:	79
Plague:	3	Typhus, murine:	22

PLAGUE – Continued

was positive for *Yersinia pestis* at the New Mexico State Health Department. The isolate was bacteriologically confirmed as *Y. pestis* by CDC's Bureau of Laboratories. Also, a serum specimen drawn 7 days after the onset of illness revealed a plague antibody titer of 1:1024.

The patient denied exposures to wild rodents, but did have contact with the family's 2 cats and 3 dogs. Fleas removed from field mice and chipmunks trapped near the patient's home are being examined for *Y. pestis.*

Case 2

On October 26, a 28-year-old physician from Gallup, New Mexico, noted a 2- to 3-cm area of painful erythema on the lateral aspect of his left 5th toe and left inguinal lymphadenopathy. Believing this represented secondary infection of a preexisting dermatophytosis, the physician began a 6-day course of oral phenoxymethyl penicillin.

During the following week, he noted mild anorexia, low grade fever, and headache, but was able to continue working in the hospital. On November 1, 1 day after cessation of penicillin therapy, he continued to have fever, headache, stiff neck, and painful left inguinal lymphadenopathy. He subsequently consulted a physician colleague. On physical examination, the patient had a temperature of 100°F and left inguinal adenopathy. His neck was supple and his lungs clear, and there were no demonstrable lesions on his left 5th toe. An aspirate of the inguinal node produced a small amount of serosanguinous fluid. A Gram stain of this material demonstrated bipolar staining Gram-negative rods, and a fluorescent antibody test for *Y. pestis* was positive at the Gallup Indian Medical Center.

The physician was started on oral tetracycline, 3 gm per day, and by November 3, he noted marked symptomatic improvement.

Epidemiologic investigation revealed that the patient had spent the previous weekend in Colorado, camping near Little Molas Lake on October 18-20 and visiting Mesa Verde National Park on October 20. While in Colorado, he was accompanied by 2 dogs who were wearing 3-week-old flea collars at the time. The dogs chased chipmunks, ground squirrels, and other small rodents at both locations.

On October 20, the patient returned to Gallup, where he and his dogs frequently took walks into a piñon-juniper area near the city. The patient also keeps a cat in Gallup, which frequently captures mice and brings them home. The patient had not noticed fleas on any of his animals. Further epidemiologic studies are in progress.

(Reported by Russell F. Shaw, M.D., Charles Anderson, M.D., Private Physicians, Los Alamos; Forrest Follett, M.D., Bruce Tempest, M.D., Gallup Indian Medical Center; Nancy C. McCaig, M.D., District Health Officer; Richard Kozoll, M.D., District Health Officer; Wilhelm Rosenblatt, M.D., Chief, Communicable Disease Section, Bryan Miller, Chief, General Sanitation Division, Neil Weber, Program Manager, Rodent and Insect Control Section, Loris Hughes, Ph.D., and Daniel Johnson, Ph.D., Scientific Laboratory System, New Mexico Health and Social Services Department; the Plague Branch, Vectorborne Diseases Division, Bureau of Laboratories, CDC; and an EIS Officer.)

HUMAN *DIROFILARIA IMMITIS* INFECTION – Texas

On May 20, 1974, a 48-year-old man was admitted to the Jefferson Davis Hospital, Houston, Texas, for evaluation of bilateral asymptomatic pulmonary nodules. Initial diagnostic efforts, including multiple sputum studies for cytology, cultures for acid-fast bacilli and fungi, fungal serologic tests, and bronchoscopy with brushing, failed to uncover an etiologic agent. On June 6, 1974, the patient underwent mediasternotomy with bilateral resection of the upper lobe nodules which established the diagnosis of *Dirofilaria immitis* infection on histopathologic examination.

The patient was born and raised in Sitka, Alaska. He had lived in southern New Mexico and southern California during his early adulthood but had never been outside the continental United States. He entered the Houston area approximately 4 years ago to work as a laborer and has sustained many mosquito bites. He does not own a dog and denied close contact with dogs.

(Reported by Robert J. Awe, M.D., Director, Adult Chest Service, Jefferson Davis Hospital; Daniel E. Jenkins, M.D., Professor and Chief, Pulmonary Section, Baylor College of Medicine; Robert A. MacLean, M.D., Chief, Communicable Disease Division, City of Houston Health Department; and M. S. Dickerson, M.D., State Epidemiologist, Texas State Department of Health, Austin, Texas.)

Editorial Note

The canine heartworm, *D. immitis,* is found in dogs from several areas of the United States, especially the Gulf and Atlantic Coastal States. The life cycle involves uptake of microfilariae from the peripheral circulation of infected dogs by mosquitoes and subsequent transmission to uninfected dogs, where the organisms exist temporarily in the subcutaneous tissues and later migrate to the pulmonary arteries; in the arteries they mature into sexual adults *(1).*

Man is occasionally infected; 21 cases of human pulmonary infection with *D. immitis* have been published in the English literature since the first case report in 1961 *(2, 3, 4).* Of these, 19 (90%) were in U.S. residents, primarily from the Southeast. Cases generally have been reported in adults and divided equally between males and females. Symptoms often consist of only cough and chest pain, although occasionally hemoptysis, malaise, myalgia, chills, and fever have been reported. One review indicates that over half the confirmed cases have been asymptomatic infections, diagnosed on routine chest roentgenographic examination *(2).* The diagnosis is very difficult since small, well-defined pulmonary lesions are also found in carcinoma, tuberculosis, fungal infections, and hamartomas. Surgical exploration is usually indicated since it is not possible to distinguish *D. immitis* from pulmonary neoplasms radiographically.

Typically, lesions appear as a single pulmonary nodule with a uniform microscopic appearance of a rounded focus of coagulation necrosis surrounded by a border of fibrous tissue and granulomatous inflammation. Usually only a single worm is found in human cases and is located in medium-sized arteries, surrounded by a zone of infarction. Worms never develop to

(Continued on page 379)

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES FOR WEEKS ENDING NOVEMBER 2, 1974 AND NOVEMBER 3, 1973 (44th 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	1974	1974	1974	Cum. 1974	1974	1973	1974	1974	1974	1974	1974	Cum. 1974
UNITED STATES	77	2	1,107	4	201	13	45	5	180	764	144	5	220
NEW ENGLAND	1	–	79	–	–	1	2	–	–	23	15	–	8
Maine *	–	–	–	–	–	–	–	–	–	5	4	–	–
New Hampshire *	–	–	–	–	–	–	–	–	–	3	–	–	–
Vermont	–	–	9	–	–	–	–	–	–	1	–	–	–
Massachusetts	1	–	54	–	–	1	2	–	–	2	11	–	2
Rhode Island	---	---	---	---	–	---	–	---	---	---	---	---	3
Connecticut	–	–	16	–	–	–	–	–	–	12	–	–	3
MIDDLE ATLANTIC	13	–	5	–	1	3	7	–	13	60	27	–	40
Upstate New York	5	–	5	–	–	–	3	–	1	37	3	–	15
New York City	---	---	---	---	–	---	–	---	---	---	---	---	14
New Jersey	8	–	NN	–	–	3	–	–	12	23	24	–	5
Pennsylvania	---	---	---	---	1	---	4	---	---	---	---	---	6
EAST NORTH CENTRAL	3	–	481	–	2	3	11	2	28	140	12	–	19
Ohio	–	–	13	–	1	–	7	2	–	24	–	–	6
Indiana	---	---	---	---	–	---	1	---	---	---	---	---	–
Illinois	1	–	–	–	1	–	1	–	6	48	4	–	2
Michigan	2	–	325	–	–	1	2	–	15	50	8	–	10
Wisconsin	–	–	143	–	–	2	–	–	7	18	–	–	1
WEST NORTH CENTRAL	4	–	207	–	–	–	10	–	14	31	1	–	7
Minnesota	1	–	5	–	–	–	4	–	7	9	–	–	2
Iowa	3	–	137	–	–	–	–	–	1	1	–	–	3
Missouri *	–	–	–	–	–	–	4	–	5	13	1	–	1
North Dakota	–	–	7	–	–	–	–	–	–	1	–	–	–
South Dakota	–	–	–	–	–	–	–	–	–	–	–	–	1
Nebraska	–	–	2	–	–	–	–	–	1	5	–	–	–
Kansas	–	–	56	–	–	–	2	–	–	2	–	–	–
SOUTH ATLANTIC	8	–	78	–	1	–	3	1	14	139	12	–	32
Delaware	–	–	1	–	–	–	–	–	–	2	–	–	1
Maryland	–	–	–	–	–	–	–	1	2	2	4	–	5
District of Columbia	–	–	–	–	–	–	–	–	–	–	–	–	5
Virginia	---	---	---	---	–	---	1	---	---	---	---	---	6
West Virginia *	–	–	75	–	–	–	–	–	–	–	–	–	2
North Carolina	2	–	NN	–	1	–	2	–	5	11	2	–	4
South Carolina	–	–	2	–	–	–	–	–	–	5	–	–	–
Georgia	–	–	–	–	–	–	–	–	–	4	–	–	1
Florida	6	–	–	–	–	–	–	–	7	115	6	–	8
EAST SOUTH CENTRAL	8	–	17	–	–	1	2	–	11	56	1	–	8
Kentucky	2	–	10	–	–	–	–	–	3	25	1	–	4
Tennessee	3	–	NN	–	–	–	–	–	8	26	–	–	1
Alabama	–	–	2	–	–	–	1	–	–	–	–	–	–
Mississippi	3	–	5	–	–	1	1	–	–	5	–	–	3
WEST SOUTH CENTRAL	16	2	132	–	9	2	5	1	16	112	26	1	16
Arkansas	–	2	8	–	–	–	–	–	2	6	1	–	1
Louisiana	1	–	NN	–	–	–	–	–	2	4	1	–	1
Oklahoma	2	–	56	–	–	2	1	–	2	9	5	–	6
Texas	13	–	68	–	9	–	4	1	10	93	19	1	8
MOUNTAIN	–	–	15	–	31	1	1	–	6	35	10	–	10
Montana	---	---	---	---	–	---	–	---	---	---	---	---	–
Idaho	–	–	–	–	–	–	–	–	–	1	1	–	–
Wyoming	---	---	---	---	–	---	–	---	---	---	---	---	–
Colorado	–	–	11	–	–	–	–	–	–	5	7	–	5
New Mexico	–	–	4	–	13	–	1	–	1	4	2	–	3
Arizona	–	–	–	–	18	–	–	–	5	21	–	–	–
Utah	–	–	–	–	–	–	–	–	–	–	–	–	1
Nevada	–	–	–	–	–	1	–	–	–	4	–	–	1
PACIFIC	24	–	93	4	157	2	4	1	78	168	40	4	80
Washington	–	–	82	4	146	–	1	–	10	13	12	–	–
Oregon	1	–	–	–	–	1	–	–	4	24	3	–	2
California *	23	–	–	–	7	1	3	1	64	130	25	4	74
Alaska	–	–	8	–	4	–	–	–	–	–	–	–	–
Hawaii	–	–	3	–	–	–	–	–	–	1	–	–	4
Guam	–	–	–	–	–	–	–	–	–	–	–	–	2
Puerto Rico	–	–	8	–	1	–	–	–	–	–	6	–	1
Virgin Islands	–	–	5	–	–	–	–	–	–	–	–	–	3

*Delayed reports: Aseptic Meningitis: Mo. delete 2
Chickenpox: N.H. 3, Calif. 7
Hepatitis B: Mo. delete 2
Hepatitis A: Me. 1, N.H. 4, Mo. 12
Hepatitis Unspecified: Me. 2, Mo. 8
Malaria: W. Va. 1

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES FOR WEEKS ENDING NOVEMBER 2, 1974 AND NOVEMBER 3, 1973 (44th 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	171	20,671	24,955	22	1,119	1,172	646	47,576	37	120	10,799	81
NEW ENGLAND	2	935	7,466	1	53	48	25	6,129	1	25	1,082	1
Maine	–	43	68	–	2	1	–	799	–	–	285	–
New Hampshire *	–	200	906	–	10	7	–	289	–	1	20	1
Vermont	–	57	120	–	2	3	–	29	–	12	38	–
Massachusetts	1	398	3,942	–	16	13	9	1,026	–	1	352	–
Rhode Island	---	59	620	---	8	3	---	2,491	---	---	19	–
Connecticut	1	178	1,810	1	15	21	16	1,495	1	11	368	–
MIDDLE ATLANTIC	46	8,167	2,555	4	171	162	18	3,762	3	7	1,125	7
Upstate New York	4	963	811	1	63	58	12	933	3	5	258	2
New York City	---	609	925	---	40	31	---	682	---	---	158	1
New Jersey	42	5,628	450	3	48	40	6	685	–	2	457	2
Pennsylvania	---	967	369	---	20	33	---	1,462	---	---	252	2
EAST NORTH CENTRAL	30	8,041	8,729	2	140	157	173	13,703	10	22	3,582	9
Ohio	1	3,053	290	1	54	67	8	3,203	–	1	520	2
Indiana	---	255	672	---	15	4	---	1,023	---	---	608	–
Illinois	4	2,067	2,101	–	10	26	11	1,232	5	4	593	3
Michigan	7	2,098	4,425	–	44	44	57	5,763	1	9	1,273	3
Wisconsin	18	568	1,241	1	17	16	97	2,482	4	8	588	1
WEST NORTH CENTRAL	6	703	451	2	86	88	70	3,003	–	3	228	13
Minnesota	–	85	21	2	30	10	–	44	–	–	13	2
Iowa	–	134	279	–	14	21	24	1,814	–	–	15	1
Missouri *	–	264	53	–	21	34	–	401	–	–	41	4
North Dakota	–	31	65	–	3	3	11	62	–	1	18	3
South Dakota	–	27	–	–	3	4	–	2	–	–	26	–
Nebraska	–	2	6	–	3	7	2	88	–	–	6	–
Kansas	6	160	27	–	12	9	33	592	–	2	109	3
SOUTH ATLANTIC	1	580	1,260	1	216	199	57	5,718	4	17	1,268	23
Delaware	–	15	9	–	5	2	–	98	–	–	30	–
Maryland	–	24	13	–	23	27	1	120	–	–	5	1
District of Columbia	–	3	8	–	1	4	–	50	–	–	4	–
Virginia	---	38	422	---	37	38	---	614	---	---	49	3
West Virginia	1	218	218	–	7	6	10	3,029	–	6	299	1
North Carolina	–	5	4	–	45	42	NN	NN	–	–	55	4
South Carolina	–	54	65	1	18	13	6	125	–	–	637	4
Georgia	–	4	152	–	8	22	–	1	2	–	3	1
Florida	–	219	369	–	72	45	40	1,681	2	11	186	9
EAST SOUTH CENTRAL	27	275	617	1	107	108	62	5,791	–	5	618	5
Kentucky	9	191	382	–	39	38	33	2,295	–	2	216	–
Tennessee	18	53	165	–	50	42	27	2,577	–	3	321	2
Alabama	–	18	12	–	10	15	2	544	–	–	62	1
Mississippi	–	13	58	1	8	13	–	375	–	–	19	2
WEST SOUTH CENTRAL	1	226	712	7	190	179	77	3,454	8	16	431	8
Arkansas	–	12	70	1	13	13	–	136	–	–	26	–
Louisiana *	–	13	87	2	49	42	8	234	–	7	94	3
Oklahoma	–	29	56	–	19	32	16	394	–	4	54	2
Texas	1	172	499	4	109	92	53	2,690	8	5	257	3
MOUNTAIN	3	752	841	1	37	34	17	1,139	–	2	422	–
Montana	---	373	123	---	1	7	---	177	---	---	68	–
Idaho	–	52	256	–	2	4	–	158	–	–	14	–
Wyoming	---	1	81	---	3	–	---	10	---	---	–	–
Colorado	2	33	107	1	9	11	17	551	–	2	160	–
New Mexico	–	61	126	–	3	3	–	178	–	–	124	–
Arizona	1	18	19	–	7	5	–	–	–	–	1	–
Utah	–	15	128	–	8	2	–	60	–	–	22	–
Nevada	–	199	1	–	4	2	–	5	–	–	33	–
PACIFIC	55	992	2,324	3	119	197	147	4,877	11	23	2,043	15
Washington	–	68	1,033	1	15	20	55	1,668	–	6	395	1
Oregon	–	–	460	1	14	16	6	812	1	3	228	2
California	55	858	746	1	83	154	51	2,183	10	14	1,403	11
Alaska	–	–	65	–	4	7	34	148	–	–	–	–
Hawaii	–	66	20	–	3	–	1	66	–	–	17	1
Guam	–	17	52	–	1	–	–	362	–	–	6	–
Puerto Rico	13	635	1,919	–	6	8	53	1,123	–	1	32	4
Virgin Islands	–	29	7	–	–	–	–	35	–	–	–	1

*Delayed reports: Meningococcal Infection: N.H. delete 5, La. 1
Pertussis: Mo. delete 1
Tetanus: Mo. delete 1

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES FOR WEEKS ENDING NOVEMBER 2, 1974 AND NOVEMBER 3, 1973 (44th WEEK) – Continued

AREA	TUBERCULOSIS (New Active)		TULAREMIA	TYPHOID FEVER		TYPHUS-FEVER TICK-BORNE (Rky. Mt. spotted fever)		VENEREAL DISEASES						RABIES IN ANIMALS
								GONORRHEA			SYPHILIS (Pri. & Sec.)			
	1974	Cum. 1974	Cum. 1974	1974	Cum. 1974	1974	Cum. 1974	1974	Cumulative 1974	Cumulative 1973	1974	Cumulative 1974	Cumulative 1973	Cum. 1974
UNITED STATES	510	25,742	128	12	360	–	736	15,504	769,788	720,506	395	21,123	21,089	2,512
NEW ENGLAND	7	1,032	–	1	18	–	8	394	20,504	17,968	8	425	570	24
Maine	1	80	–	–	1	–	–	50	1,738	1,149	3	39	22	2
New Hampshire	–	25	–	–	1	–	–	10	681	687	–	11	10	3
Vermont	1	23	–	–	–	–	–	16	558	305	–	2	21	1
Massachusetts	3	563	–	1	12	–	6	159	9,319	7,593	4	176	258	4
Rhode Island	---	92	–	---	2	---	2	---	1,762	1,837	---	16	15	4
Connecticut	2	249	–	–	2	–	–	159	6,446	6,397	1	181	244	10
MIDDLE ATLANTIC	43	4,668	2	–	58	–	66	613	90,302	99,547	21	4,456	4,685	73
Upstate New York	26	705	2	–	14	–	27	371	17,739	17,489	10	425	330	33
New York City	---	1,790	–	---	31	---	3	---	38,005	44,998	---	2,540	2,814	–
New Jersey	17	862	–	–	9	–	4	242	12,772	14,259	11	724	850	25
Pennsylvania	---	1,311	–	---	4	---	32	---	21,786	22,801	---	767	691	15
EAST NORTH CENTRAL	81	3,520	6	–	37	–	26	2,444	121,833	110,502	25	1,827	1,937	182
Ohio *	22	927	–	–	6	–	17	817	32,149	27,186	11	281	232	26
Indiana	---	503	–	---	5	---	1	---	11,350	9,953	---	155	250	13
Illinois	31	1,013	3	–	14	–	6	929	39,369	38,214	7	948	983	43
Michigan	25	970	–	–	10	–	2	393	27,020	26,129	6	353	407	4
Wisconsin	3	107	3	–	2	–	–	305	11,945	9,020	1	90	65	96
WEST NORTH CENTRAL	21	973	20	–	10	–	17	823	40,368	36,602	11	537	329	668
Minnesota	5	152	–	–	4	–	–	134	8,951	7,328	1	67	90	227
Iowa *	5	109	–	–	2	–	1	36	5,233	4,359	1	34	53	112
Missouri *	10	462	17	–	2	–	9	279	13,201	12,391	7	360	147	37
North Dakota	–	28	–	–	–	–	–	20	630	606	–	3	2	96
South Dakota	1	50	3	–	–	–	2	42	1,933	1,848	–	2	5	134
Nebraska	–	41	–	–	–	–	–	122	3,524	4,165	–	10	10	4
Kansas	–	131	–	–	2	–	5	190	6,896	5,905	2	61	22	58
SOUTH ATLANTIC	110	5,426	10	–	52	–	408	4,393	195,551	175,062	176	6,700	6,210	348
Delaware	1	88	–	–	–	–	10	13	2,567	2,527	–	74	75	1
Maryland	16	713	1	–	8	–	48	431	20,737	15,393	20	671	611	26
District of Columbia	5	306	–	–	1	–	–	256	14,007	15,111	17	558	728	–
Virginia	---	660	4	---	3	---	133	---	17,270	17,379	---	657	701	89
West Virginia	8	256	–	–	13	–	5	---	2,234	2,581	---	17	20	30
North Carolina *	14	812	3	–	3	–	107	556	26,620	25,840	29	816	537	38
South Carolina	8	503	–	–	5	–	55	423	19,772	18,161	14	706	986	5
Georgia	25	802	2	–	3	–	48	1,551	40,427	34,072	36	743	872	122
Florida	33	1,286	–	–	16	–	2	1,163	51,917	43,998	60	2,458	1,680	37
EAST SOUTH CENTRAL	64	2,295	13	1	49	–	110	1,307	64,211	58,326	16	1,095	1,162	215
Kentucky	15	489	3	–	15	–	19	202	7,923	7,052	5	245	321	128
Tennessee	25	724	6	–	25	–	65	553	25,737	22,665	9	407	395	51
Alabama	17	687	2	–	4	–	10	232	17,524	16,482	–	208	161	33
Mississippi	7	395	2	1	5	–	16	320	13,027	12,127	2	235	285	3
WEST SOUTH CENTRAL	72	3,017	58	1	22	–	92	2,142	101,724	93,100	26	1,959	2,284	526
Arkansas	14	353	31	1	2	–	11	–	9,667	10,822	–	85	117	67
Louisiana *	6	426	3	–	8	–	1	705	20,540	19,767	6	511	706	24
Oklahoma	1	262	18	–	2	–	63	215	9,415	8,496	1	121	145	145
Texas	51	1,976	6	–	10	–	17	1,222	62,102	54,015	19	1,242	1,316	290
MOUNTAIN	19	820	12	–	18	–	6	645	29,367	24,573	14	498	515	154
Montana	---	59	–	---	–	---	1	---	1,554	1,421	---	3	4	6
Idaho	1	32	–	–	–	–	1	48	1,518	1,720	–	10	10	–
Wyoming	---	18	6	---	3	---	1	---	604	439	---	8	26	11
Colorado	–	156	–	–	–	–	1	177	8,258	6,600	4	123	178	27
New Mexico	10	167	2	–	4	–	1	148	4,535	4,276	4	80	93	66
Arizona	5	301	–	–	8	–	–	142	8,270	6,956	4	184	133	43
Utah	–	35	4	–	–	–	1	45	1,745	1,414	–	14	12	1
Nevada	3	52	–	–	3	–	–	85	2,883	1,747	2	76	59	–
PACIFIC	93	3,991	7	9	96	–	3	2,743	105,928	104,826	98	3,626	3,397	322
Washington	7	284	–	–	13	–	1	252	9,959	10,111	–	68	132	–
Oregon	3	174	1	–	1	–	2	230	9,680	9,268	3	92	53	6
California	70	3,141	6	9	78	–	–	2,131	81,633	81,112	95	3,423	3,130	305
Alaska	7	82	–	–	2	–	–	84	2,550	2,408	–	16	16	11
Hawaii	6	310	–	–	2	–	–	46	2,106	1,927	–	27	66	–
Guam	–	28	–	–	–	–	–	–	245	375	–	3	4	–
Puerto Rico	15	461	–	–	4	–	–	91	2,804	3,631	26	759	619	48
Virgin Islands	–	3	–	–	–	–	–	4	268	198	–	43	26	–

*Delayed reports: Tuberculosis: Ohio 2, N.C. delete 1, La. delete 1
RMSF: Mo. delete 1
Gonorrhea: Iowa 91
Syphilis: La. delete 1
Rabies: Texas 8

Week No. 44

TABLE IV. DEATHS IN 121 UNITED STATES CITIES FOR WEEK ENDING NOVEMBER 2, 1974

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	All Causes					Pneumonia and Influenza All Ages
	All Ages	65 years and over	45-64 years	25-44 years	Under 1 year	
NEW ENGLAND	693	436	170	40	22	26
Boston, Mass.	227	137	56	19	5	10
Bridgeport, Conn.	32	27	4	–	–	2
Cambridge, Mass.	30	23	7	–	–	4
Fall River, Mass.	30	22	7	1	–	–
Hartford, Conn.	55	26	12	7	6	–
Lowell, Mass.	24	17	4	1	–	–
Lynn, Mass.	16	9	5	1	–	–
New Bedford, Mass.	25	17	7	–	1	2
New Haven, Conn.	52	28	14	4	5	–
Providence, R. I.	61	35	20	2	2	4
Somerville, Mass.	10	9	1	–	–	–
Springfield, Mass.	52	29	16	4	1	3
Waterbury, Conn.	22	15	6	1	–	1
Worcester, Mass.	57	42	11	–	2	–
MIDDLE ATLANTIC	2,938	1,825	772	171	86	111
Albany, N. Y.	54	34	15	1	1	1
Allentown, Pa.	21	12	7	2	–	2
Buffalo, N. Y.	113	66	33	4	7	11
Camden, N. J.	40	22	12	2	–	2
Elizabeth, N. J.	29	23	6	–	–	1
Erie, Pa.	48	37	10	1	–	5
Jersey City, N. J.	50	28	17	2	2	3
Newark, N. J.	58	36	12	5	4	2
New York City, N. Y. †	1,526	965	378	97	35	47
Paterson, N. J.	28	17	7	1	1	1
Philadelphia, Pa.	404	227	121	32	19	6
Pittsburgh, Pa. *	173	99	56	8	6	9
Reading, Pa.	41	27	12	–	1	3
Rochester, N. Y.	103	71	23	5	2	10
Schenectady, N. Y.	22	12	8	1	–	1
Scranton, Pa.	56	37	12	4	1	3
Syracuse, N. Y.	81	46	21	3	7	–
Trenton, N. J.	39	25	12	2	–	2
Utica, N. Y.	20	16	3	1	–	–
Yonkers, N. Y.	32	25	7	–	–	2
EAST NORTH CENTRAL	2,413	1,400	650	164	95	65
Akron, Ohio	64	35	14	7	4	–
Canton, Ohio	50	32	15	2	–	1
Chicago, Ill.	630	376	157	47	25	12
Cincinnati, Ohio	194	121	47	12	7	6
Cleveland, Ohio	203	95	79	15	5	5
Columbus, Ohio	91	53	24	3	6	2
Dayton, Ohio	83	53	21	6	2	1
Detroit, Mich.	331	179	86	29	17	6
Evansville, Ind.	43	31	9	1	2	4
Fort Wayne, Ind.	58	32	20	5	–	3
Gary, Ind.	22	11	7	3	1	1
Grand Rapids, Mich.	44	28	9	1	4	4
Indianapolis, Ind.	158	77	52	11	9	2
Madison, Wis.	37	19	12	2	3	6
Milwaukee, Wis.	124	78	34	7	1	2
Peoria, Ill.	38	22	11	2	1	1
Rockford, Ill.	39	23	10	1	3	4
South Bend, Ind.	50	34	8	4	1	2
Toledo, Ohio	94	57	22	6	4	1
Youngstown, Ohio	60	44	13	–	–	2
WEST NORTH CENTRAL	727	454	171	38	35	26
Des Moines, Iowa	52	37	12	1	–	1
Duluth, Minn.	18	14	2	2	–	1
Kansas City, Kans.	29	13	9	4	1	1
Kansas City, Mo.	115	79	26	3	3	1
Lincoln, Nebr.	43	30	11	–	–	2
Minneapolis, Minn.	91	58	15	5	9	1
Omaha, Nebr.	65	38	16	3	4	–
St. Louis, Mo.	206	120	52	17	10	9
St. Paul, Minn.	67	41	17	2	4	3
Wichita, Kans.	41	24	11	1	4	7
SOUTH ATLANTIC	1,106	619	314	90	49	49
Atlanta, Ga.	107	50	29	15	8	1
Baltimore, Md.	210	118	64	16	3	5
Charlotte, N. C.	59	26	24	7	1	–
Jacksonville, Fla.	74	43	14	10	4	1
Miami, Fla.	127	69	35	10	9	1
Norfolk, Va.	68	39	21	3	3	6
Richmond, Va.	79	51	22	4	2	8
Savannah, Ga.	32	13	14	2	3	5
St. Petersburg, Fla.	73	70	1	1	1	2
Tampa, Fla.	78	36	27	4	8	10
Washington, D. C.	153	80	48	14	5	8
Wilmington, Del.	46	24	15	4	2	2
EAST SOUTH CENTRAL	717	384	216	43	40	28
Birmingham, Ala.	99	54	34	5	1	–
Chattanooga, Tenn.	58	35	12	4	6	4
Knoxville, Tenn.	39	21	16	–	–	–
Louisville, Ky.	114	66	38	4	3	8
Memphis, Tenn.	213	106	56	19	20	4
Mobile, Ala.	62	33	20	3	2	1
Montgomery, Ala.	36	17	13	1	3	3
Nashville, Tenn.	96	52	27	7	5	8
WEST SOUTH CENTRAL	983	532	276	79	51	32
Austin, Tex.	19	10	5	2	2	1
Baton Rouge, La.	44	26	13	1	2	1
Corpus Christi, Tex.	34	17	7	3	4	–
Dallas, Tex.	164	84	50	17	3	1
El Paso, Tex.	38	16	16	2	3	2
Fort Worth, Tex.	81	46	23	7	4	4
Houston, Tex.	145	56	53	15	8	2
Little Rock, Ark.	57	34	16	5	2	2
New Orleans, La.	98	53	28	5	10	1
San Antonio, Tex.	140	84	34	13	3	6
Shreveport, La.	79	48	18	4	5	6
Tulsa, Okla.	84	58	13	5	5	6
MOUNTAIN	469	246	134	39	22	14
Albuquerque, N. Mex.	54	25	12	6	4	5
Colorado Springs, Colo.	32	20	9	1	–	3
Denver, Colo.	106	57	37	10	1	2
Las Vegas, Nev.	28	10	12	2	3	–
Ogden, Utah	20	13	3	2	1	1
Phoenix, Ariz.*	108	56	32	9	5	1
Pueblo, Colo.	17	14	1	–	1	2
Salt Lake City, Utah	41	25	9	3	1	–
Tucson, Ariz.	63	26	19	6	6	–
PACIFIC	1,664	1,043	413	105	52	41
Berkeley, Calif.	17	13	3	1	–	1
Fresno, Calif.	48	27	6	5	8	2
Glendale, Calif. *	28	21	5	1	1	1
Honolulu, Hawaii *	53	28	15	4	3	1
Long Beach, Calif.	105	64	30	7	–	2
Los Angeles, Calif.	601	370	142	49	18	13
Oakland, Calif.	66	42	15	8	1	3
Pasadena, Calif.	27	20	5	–	–	–
Portland, Oreg.	97	64	22	6	4	5
Sacramento, Calif.	65	43	16	–	3	1
San Diego, Calif.	131	78	39	7	4	1
San Francisco, Calif.	153	100	42	6	4	4
San Jose, Calif.	49	35	9	3	1	1
Seattle, Wash.	155	90	52	6	4	2
Spokane, Wash.	34	26	5	–	–	2
Tacoma, Wash.	35	22	7	2	1	2
Total	11,710	6,939	3,116	769	452	392
Expected Number	12,109	7,197	3,231	808	408	392

†Delayed report for week ending Oct. 26, 1974
*Estimate based on average percent of divisional total

DIROFILARIA IMMITIS – Continued

sexual maturity in humans, consequently, microfilariae of the species have never been demonstrated in man's peripheral blood, indicating that humans are dead-end hosts *(4)*.

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CURRENT TRENDS
ZOSTER IMMUNE GLOBULIN PROGRAM – United States

Zoster Immune Globulin (ZIG) is again available for national distribution through CDC's ZIG Program. Unlike previous years when ZIG of a single titer was distributed, ZIG will be distributed from 2 lots of differing titer according to a protocol investigating dose-efficacy relationships. Susceptible children with high-risk conditions (leukemia, lymphoma, immunodeficiency conditions, or treatment with immunosuppressive medications) who have been exposed to a confirmed active case of varicella within the previous 72 hours are eligible for ZIG prophylaxis. In addition, ZIG will be available for the first time to neonates at high risk of congenital varicella; i.e. when maternal varicella first appears within 4 days before delivery. Adults, children with already established varicella-zoster infection, and children with previous history of varicella zoster infection are not eligible for ZIG prophylaxis.

Physicians caring for children who have been exposed to varicella and meet the above criteria should contact 1 of the regional ZIG consultants or CDC (Table 1).

Plasma for future lots of ZIG is now being accepted. Untitered plasma is accepted from donors 1 to 5 weeks after onset of herpes zoster or varicella rash. Further information regarding plasma donation to the ZIG Program may be obtained from the Immunization Division, Bureau of State Services, CDC.

(Reported by the Immunization Division, Bureau of State Services, CDC.)

Table 1
Regional ZIG Consultants

Region	Consultant
New England	Adolf W. Karchmer, M.D. Martin S. Hirsch, M.D. Mass. Gen. Hosp., Boston 02114 Office: (617) 726-3812 Residence: (617) 237-3646 (Dr. Karchmer) (617) 969-2587 (Dr. Hirsch)
Mid-Atlantic	Anne A. Gershon, M.D. Philip A. Brunell, M.D. N. Y. Univ. Med. Ctr., New York 10016 Office: (212) 561-5259 Residence: (212) 369-5126 (Dr. Gershon)
	Joel D. Meyers, M.D. Hosp. of the Univ. of Pa., Philadelphia 19104 Office: (215) 662-4000 (page) Residence: (215) 848-4729
Southeast and National	Robert L. Rosenberg, M.D. John F. Modlin, M.D. J. Lyle Conrad, M.D. Walter A. Orenstein, M.D. Center for Disease Control, Atlanta 30333 Office: (404) 633-3311, ext. 3736, 3739 Residence: (404) 378-0379 (Dr. Rosenberg) (404) 325-4319 (Dr. Modlin) (404) 636-3902 (Dr. Conrad) (404) 633-2727 (Dr. Orenstein)
Mid-East	Richard G. Judelsohn, M.D. 857 Delaware Avenue, Buffalo 14209 Office: (716) 884-8018 or (716) 634-0744 Residence: (716) 688-5579
Mid-West	Richard Hong, M.D. Sheldon Horowitz, M.D. Univ. of Wisc. Med. Ctr., Madison 53706 Office: (608) 262-6954 Residence: (608) 836-8189 (Dr. Hong) (608) 274-3991 (Dr. Horowitz)
Mountain	Kenneth McIntosh, M.D. C. Henry Kempe, M.D. Univ. of Colo. Med. Ctr., Denver 80220 Office: (303) 394-8501 Residence: (303) 388-0538 (Dr. McIntosh) (303) 377-6563 (Dr. Kempe)
Pacific	Moses Grossman, M.D. Delmer Pascoe, M.D. San Francisco Gen. Hosp. San Francisco 94110 Office: (415) 648-8200, ext. 441 Residence: (415) 681-0475 (Dr. Grossman) (415) 562-3242 (Dr. Pascoe)

INTERNATIONAL NOTES
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:

FLORIDA

Winter Park — Orange County Health Department
Change address from: 901 Webster Avenue, Winter Park 32789 to: 832 West Central Avenue, Orlando 32802
Change telephone to: 305-848-3331
Change clinic hours to: By appointment, Tues., 2 p.m.

NEW YORK

Buffalo — U.S. Public Health Service Outpatient Clinic 14203
Change clinic hours to: By appointment

NORTH DAKOTA

Fargo — City Health Department 58102
Change to: Fee charged

OHIO

Columbus — Family Medicine Clinic
To address add: University Hospitals Clinic, Room 0830
Change address to: 456 Clinic Drive 43210

WEST VIRGINIA

Morgantown — West Virginia University Health Services 26506
Change address to: Ground floor
Change clinic hours to: last Wed., each month, 3 p.m.

The following new Center has been designated:

OREGON

Roseburg — Douglas County Health Department 97470
1154 S.E. Douglas, P.O. Box 1146
Clinic hours: Mon.-Fri., 8 a.m.-5 p.m.
Fee charged

The following Center has been closed:

Texas

San Antonio — Petty Geophysical Engineering Co. Clinic 78205

The Morbidity and Mortality Weekly Report, circulation 41,500, is published by the Center for Disease Control, Atlanta, Ga.

Director, Center for Disease Control — David J. Sencer, M.D.
Director, Bureau of Epidemiology, CDC — Philip S. Brachman, M.D.
Editor, MMWR — Michael B. Gregg, M.D.
Managing Editor, MMWR — Deborah L. Jones, B.S.

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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