CENTERS FOR DISEASE CONTROL



MORBIDITY AND MORTALITY WEEKLY REPORT

Current Trends

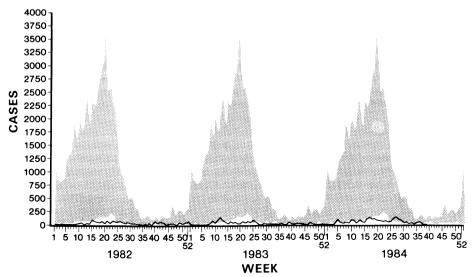
- 673 Measles United States, First 39 Weeks, 1984
- 681 Dermatitis among Hospital Workers Oregon
- 682 Sporotrichosis Among Hay-Mulching Workers — Oklahoma, New Mexico

Measles - United States, First 39 Weeks, 1984

During the first 39 weeks of 1984, a provisional total of 2,322 measles cases was reported in the United States (incidence rate 1.0/100,000 population) (Figure 1). This is an 84.3% increase from the 1,260 cases reported during the same period in 1983 (0.5/100,000). Of the total, 1,620 cases (69.8%) were reported from five states — Texas (509), Michigan (462), California (308), Illinois (178), and Hawaii (163). Eleven states (California, Hawaii, Idaho, Illinois, Michigan, New Hampshire, New Mexico, Texas, Utah, Vermont, Washington) and New York City had incidence rates of 1.0/100,000 population or higher.

Although the overall incidence rate increased, the number of states reporting measles was similar to the number reporting during the same period of 1983. Seventeen states reported no measles cases (indigenous or imported), compared with 16 states and the District of Columbia during the same period in 1983. However, the increase in cases was associated with an increase in the number of counties affected. In 1984, 183 (5.8%) of the nation's 3,139 counties reported measles cases during the first 39 weeks, compared with 115 (3.7%) during the same period in 1983.

FIGURE 1. Reported measles cases* — United States, 1982-1984



* Shaded area represents maximum and minimum weekly values during 5-year period, 1977-1981.

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES / PUBLIC HEALTH SERVICE

Measles - Continued

Two hundred sixty-two cases (11.3%) were associated with international or out-of-state importations—an average of 6.7 cases per week—compared with 220 (17.5) cases during the same period in 1983 (1).

During the first 39 weeks, detailed information was provided to CDC's Division of Immunization on 2,321 cases.* Of these, 2,277 (98.1%) met the standard clinical case definition for measles,[†] and 919 (39.6%) were serologically confirmed. In most cases, onset of rash occurred from weeks 9 through 21, peaking at week 14 (134 cases) (Figure 2).

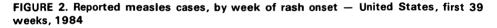
The age characteristics of reported cases changed from 1983 to 1984 (Table 1). In 1983, the highest incidence rates were reported for preschoolers. In contrast, the rates for the first 39 weeks of 1984 were highest for children 10 years to 14 years of age, who had a more than threefold increase in incidence rates, compared with the total for 1983. Of the 569 preschoolers who had measles in 1984, 155 (27.2%) were under 12 months of age; 114 (20.0%) were 12-14 months of age; 38 (6.7%) were 15 months of age; and 262 (46.0%) were 16 months to 4 years of age. Persons 12-14 months of age accounted for 4.9% of the 2,321 cases.

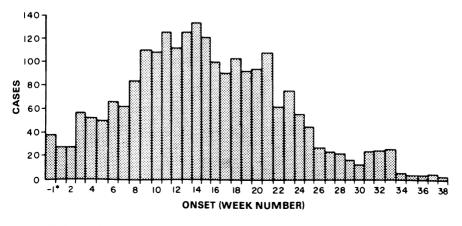
Of the 2,321 cases, 819 (35.3%) were classified as preventable[§] (1) (Table 2). The highest proportion of preventable cases occurred among persons who were not of school age. Almost 75% of the cases among children 16 months to 4 years of age and adults 20-24 years of age were preventable. Although more than half the preventable cases occurred

*The difference between this number and the 2,322 cases reported to *MMWR* reflects delays in reporting.

[†]Clinical case definition is fever (38.3 C [101 F] or higher, if measured), generalized rash of 3 days' duration or longer, and at least one of the following: cough, coryza, or conjunctivitis.

[§]A case is considered preventable if measles occurs in a U.S. citizen: (1) at least 16 months of age, (2) born after 1956, (3) lacking adequate evidence of immunity to measles (documented receipt of live measles vaccine on or after the first birthday and at least 2 weeks before onset of illness or physiciandiagnosed measles or laboratory evidence of immunity), (4) without a medical contraindication to receiving vaccine, and (5) with no religious or philosophic exemption under state law.





674

*Rash onset in 1983.

Vol. 33/No. 48

Measles – Continued

among persons 5-19 years of age, only 31.4% of cases occurring in that age group were considered preventable. The proportion of preventable cases in this group increased progressively with increasing age.

Reported by Div of Immunization, Center for Prevention Svcs, CDC.

Editorial Note: The increased number of cases from 1983 to 1984 and the increased geographic distribution indicate the need for careful and continued evaluation of the measles situation in the United States. Available information does not indicate the basic elimination

	198	3 (52 weeks)	§	1984 (39 weeks) [¶]					
Age group	No.	%	Rate	No.	%	Rate			
0-4 yrs.	451	31.5	2.6	569	24.5	3.2			
5-9 yrs.	160	11.2	1.0	268	11.6	1.7			
10-14 yrs.	195	13.6	1.1	618	26.6	3.5			
15-19 yrs.	382	26.7	2.1	574	24.7	3.0			
20-24 yrs.	163	11.4	0.8	166	7.2	0.8			
≥ 25 yrs.	80	5.6	0.1	126	5.4	0.1			
Total age known	1,431	95.6	_	2,321	100.0	_			
Total age									
unknown	66	4.4	-	_	_	-			
Total	1,497	100.0	0.6	2,321	100.0	1.0			

TABLE 1. Age distribution and estimated incidence rates * of reported measles cases $^{+}$ – United States, 1983 and first 39 weeks, 1984

*Cases per 100,000 population extrapolating those with known age to total reported cases. *Provisional data.

§Total cases reported to MMWR in 1983.

 \P Total cases reported to CDC's Division of Immunization during the first 39 weeks of 1984.

TABLE 2. Age distribution and preventability of measles cases — United States, first 39 weeks, 1984^*

Age group	Cases	No. preventable (%)	No. nonpreventable (%)				
≤ 15 mos.	307	O (0)	307 (100.0)				
16 mos4 yrs.	262	191 (72.9)	71 (27.1)				
5-9 yrs.	268	68 (25.4)	200 (74.6)				
10-14 yrs.	618	167 (27.0)	451 (73.0)				
15-19 yrs.	574	224 (39.0)	350 (61.0)				
20-24 yrs.	166	128 (77.1)	38 (22.9)				
25-29 yrs.	73	41 (56.2)	32 (43.8)				
≥ 30 yrs.	53	O (0)	53 (100.0)				
Total	2,321	819 (35.3)	1,502 (64.7)				

*Provisional data.

Measles - Continued

strategy should be revised but does show a need for intensive application of the basic approach: achieving and maintaining high immunization levels, effective surveillance, and aggressive response to cases.

Of the 1984 measles patients, 38.1% had been adequately vaccinated. This is within expected limits, given the high vaccine coverage in the United States (2). The increased occurrence of measles in 1984 does not appear to be due to poor vaccine efficacy.

A substantial proportion of cases remains preventable. Greatest emphasis should be given to ensuring that school-aged individuals at all grade levels have evidence of measles immunity. In addition, assuring age-appropriate immunization of preschoolers remains important. Measles vaccine is indicated for all children 15 months of age or older unless there are contraindications. Measles immunity should also be a high priority in college-aged and other easily identifiable age groups.

References

- 1. CDC. Classification of measles cases and categorization of measles elimination programs. MMWR 1982;31:707-11.
- 2. CDC. Measles surveillance. Report no. 11, 1977-1981. September 1982.

(Continued on page 681)

		48th Week End	ling	Cumula	tive, 48th Weel	Ending
Disease	Dec. 1, 1984	Dec. 3, 1983	Median 1979-1983	Dec. 1, 1984	Dec. 3, 1983	Median 1979-1983
Acquired Immunodeficiency Syndrome (AIDS)*	141	53	N	3,961	1,867	N
Aseptic meningitis	230	222	182	7,539	11,778	8,954
Encephalitis: Primary (arthropod-borne						
& unspec.)	22	40	23	1,068	1,735	1,430
Post-infectious	1	1	2	81	83	83
Gonorrhea: Civilian	14,489	15,532	17,442	769,484	831,394	923,022
Military	176	240	309	18,950	22,245	24,753
Hepatitis: Type A	456	383	502	19,729	19,632	23,340
Type B	548	440	440	23,814	22,014	19,131
Non A, Non B	80	68	N	3,441	3,142	N
Unspecified	112	125	214	5,006	6,686	9,613
Legionellosis	13	20	N	600	699	N
Leprosy	7	4	5	216	221	202
Malaria	9	14	24	904	741	985
Measles: Total**	15	8	35	2,499	1,423	2,890
Indigenous	12	1	N	2,206	1,122	N
Imported	3	8	N	293	302	N
Meningococcal infections: Total	53	47	49	2,458	2,508	2,508
Civilian	53	47	49	2,453	2,493	2,493
Military		-		5	15	15
Mumps	53	57	112	2,658	3,044	4,944
Pertussis	32	36	36	2,039	2,174	1,568
Rubella (German measles)	9	8	29	717	914	2,197
Syphilis (Primary & Secondary): Civilian	541	521	573	25,447	29,788	28,595
Military	3	7	5	268	363	351
Toxic Shock syndrome	3	9	N	427	394	N
Tuberculosis	490	515	533	19,607	21,575	24,918
Tularemia	4	3	3	278	273	239
Typhoid fever	2	13	12	339	42.8	478
Typhus fever, tick-borne (RMSF)	9	8	5	853	1,087	1,087
Rabies, animal	85	87	89	4,955	5,602	5,831

TABLE I. Summary-cases of specified notifiable diseases, United States

TABLE II. Notifiable diseases of low frequency, United States

	Cum. 1984		Cum. 1984
Anthrax	1	Plague	30
Botulism: Foodborne (Calif. 2)	19	Poliomyelitis: Total	3
Infant (Calif, 4)	89	Paralytic	3
Other	6	Psittacosis (Hawaii 1)	83
Brucellosis (Mo. 1, Nebr. 2, Tex. 1, Idaho 1)	116	Rabies, human	3
Cholera		Tetanus (Mass. 1, N.Y. City 1, W.Va. 1, Calif. 1)	63
Congenital rubella syndrome	4	Trichinosis	61
Diphtheria (Colo. 1)	2	Typhus fever, flea-borne (endemic, murine) (Tex. 1)	35
Leptospirosis (Tex. 1)	30		

*The 1983 reports which appear in this table were collected before AIDS became a notifiable condition.

**Two of the 90 reported cases for this week were imported from a foreign country or can be directly traceable to a known internationally imported case within two generations.

676

		De	cembe	r 1, 198	4 and Dec	ember 3, 1	983 (48	th Wee	ek)			
		Aseptic	Encer	ohalitis	Gond	orrhea	н	epatitis (V	'iral), by ty	ре	Legionel-	
Reporting Area	AIDS	Menin- gitis	Primary	Post-in- fectious		ilian)	Α	В	NA,NB	Unspeci- fied	losis	Leprosy
	Cum. 1984	1984	Cum. 1984	Cum. 1984	Cum. 1984	Cum. 1983	1984	1984	1984	1984	1984	Cum. 1984
UNITED STATES	3,961	230	1,068	81	769,484	831,394	456	548	80	112	13	216
NEW ENGLAND Maine	135	7	46	2	21,262	21,638	11	45	1	8	2	11
N.H.	2	2	7	-	927 676	1,042 675	1	6 2	-	-	-	-
Vt. Mass.	1 72	2	5 21	-	357 8,945	408 9,371	1 8	2 19		- 8	2	- 6
R.I. Conn.	6 54	2 1	13	2	1,528 8,829	1,195 8,947	1	5	- 1	-		4
MID ATLANTIC	1,740	40	121	9	104,534	107,174	92	132	6	9		36
Upstate N.Y. N.Y. City	151 1,270	18 7	40 11	7	16,828 40,502	17,656 42,788	34 23	19 67	3	1 5	-	3 31
N.J. Pa	231	8	28	-	18,596	19,916	9	14		2	-	-
	88	7	42	2	28,608	26,814	26	32	3	1	-	2
E.N. CENTRAL Ohio	173 20	60 39	301 100	18 9	110,884 28,815	120,762 31,278	27 14	54 22	6 2	8 3	4 2	6 2
Ind. III	24 92	6	79 27	- 6	12,011	11,659	4	10	2	1	-	-
Mich. Wis	27	15	60	-	25,950 31,929	35,093 31,989	3	7 15	1	1 3	2	2 2
	10	-	35	3	12,179	10,743	-	-	-	-	-	-
W.N. CENTRAL Minn.	39 9	7	93 41	3	38,103 5,748	39,062 5,489	7	9	3	-	2	4 2
lowa Mo	2 23	1	31 11	-	4,197	4,225	2	3	1	-	1	1
N Dak	- 23	-	-	-	18,378 369	19,136 412	-	4	-	-	1	1
S. Dak. Nebr.	3	1	2 1	1	920 2,759	968 2,555	5	1 1	1	-	-	-
Kans	2	2	7	2	5,732	6,277	-	-	i	-	-	-
S. ATLANTIC Del	522 5	39	166 1	17	188,584 3,748	215,375 3,974	22 2	93	18	13	4 1	14
Md.	46	1	31		22,237	27,761	3	13	8	1	-	1
D.C. Va	81 33	5	28	5	14,088 18,569	14,671 19,625	2 2	11 6	2	6	- 1	1 4
W.Va. N.C.	5 12	1 12	40 32	7	2,483 31,770	2,388 33,112	-	15	2	1	-	-
S.C. Ga.	8	1	5	-	20,023	19,780	-	9	-	-	-	÷
Fla	54 278	15	2 27	2 3	28,722 46,944	45,145 48,919	3 10	12 27	6	2 3	2	1 7
E.S. CENTRAL	24	3	51	8	70,694	69,798	3	17	1	1	-	-
Tenn.	10 6	1 2	13 16	1	8,394 28,273	8,265 28,722	1 1	5 8	1	-	-	-
Ala. Miss	6 2	-	19 3	6 1	21,302 12,725	21,308 11,503	1	3 1	-	1	-	-
W.S. CENTRAL	277	52	99	4	104,400	114,891	79	44	7	47	-	21
Ark. La.	1 40	10	12	2	9,263 22,839	9,247 21,674	10 6	1	2	4	-	1
Okla. Tex	9 227	1	19 68	1 1	11,579 60,719	13,210 70,760	4 59	5 37	- 5	3 40	-	19
MOUNTAIN	69	8	34	11	25,508	26,560	49	27	12	11		8
Mont.	-	-	-	-	965	1,129	-	-	-	-	-	-
ldaho Wyo.	1	-	-	:	1,195 674	1,192 699	3	3 2	2 1	- 1	-	-
Colo. N. Mex.	36 1	1	12		7,317 3,084	7,412 3,283	7 12	3	4	۲.	-	-
Ariz	18	3	12	3	7,167	7,567	16	13	2	4	-	6
Utah Nev.	7 6	3 1	10	8	1,206 3,900	1,269 4,009	4 7	3 3	1 2	1	-	1
PACIFIC	982	14	157	9	105,515	116,134	166	127	26	15	1	116
Wash. Oreg.	52 13	1	8	-	8,143 6,106	9,266 6,217	4 22	7 8	2 7	- 1	-	7
Calif.	903	9	146	9	86,827	95,526	139	110	16	14	1	89
Alaska Hawaii	2 12	4	3	-	2,656 1,783	2,964 2,161	1	2	1	-	-	19
Guam		U	2	:	103	126	U	U	U	U	U	:
P.R. V.I.	56	1	3	2	3,098 421	2,615 292	7	10	-	10	-	5
Pac. Trust Terr.	-	U	-	-	-	-	U	U	U	U	U	-

TABLE III. Cases of specified notifiable diseases, United States, weeks ending December 1, 1984 and December 3, 1983 (48th Week)

N: Not notifiable

							ecembe						r		
	Malaria	India	Meas Indigenous		eola) rted *	Total	Menin- gococcal Infections	Mu	mps		Pertussi	6		Rubella	
Reporting Area	Cum. 1984	1984	Cum. 1984	1984	Cum. 1984	Cum. 1983	Cum. 1984	1984	Cum. 1984	1984	Cum. 1984	Cum. 1983	1984	Cum. 1984	Curr 198
UNITED STATES	904	12	2,206	3	293	1,423	2,458	53	2,658	32	2,039	2,174	9	717	914
NEW ENGLAND	47	-	94	-	12	21	166	3	91	1	62	71		21	18
Maine N.H.	-	-	33	:	-3	3	1 10	1	29 18	-	4 9	5 10	-	1	- 5
Vt. Mass.	7	-	2	-	5	-	29	-	5	-	23	8	-	-	5
R.I.	26 4	2	49	-	-	9	66 18	2	20 10	1	18 4	36 5	-	18	6
Conn.	10	-	10	-	4	9	42	-	9		4	7		1	2
MID ATLANTIC	142	7	131	-	45	119	425	8	310	8	191	371	-	224	145
Upstate N.Y. N.Y. City	28 47	7	38 89	-	14 21	18 71	138 85	3 2	94 30	1 7	104 16	115 56	:	99 103	30 86
N.J.	37	-	4	-	3	27	83	3	137	-	13	19	-	18	3
Pa.	30	-	-	-	7	3	119	-	49	-	58	181	-	4	26
E.N. CENTRAL Ohio	81 19	-	617 3	-	75 6	706 87	398 133	18	1,008 488	1	450 76	490 149	-	96	133
Ind.	4	-	2	-	1	406	51	15 1	488		231	58		2 5	26
III. Mich.	28	-	179	:	-1	205	84	-	179	-	26	168	-	59	59
Wis.	16 14	-	411 22	:	54 13	7	82 48	2	185 93	-	31 86	42 73	-	22 8	17
W.N. CENTRAL	24	-	49	-	9	8	154	-	106		125	133	-	39	42
Minn.	7	-	44	-	3	1	33	-	6	-	16	47	-	4	Ş
lowa Mo.	2	-	5	2	1	1	22 47	-	25 10	-	13 20	7 23	2	1	
N. Dak.	ĩ	-	-	-	-]\	2	-	2	-	-	2	-	3	
S. Dak. Nebr.	1	-	-	-	-	-	6 13	-	4	-	9 13	8 4	-	-	
Kans.	2	-	-	-	5	6	31	-	59		13 54	42	-	31	33
S. ATLANTIC	122	-	19	-	33	206	509	4	195	3	164	255	1	27	97
Del. Md	4 29	-	8	1	14	11	4 39	-	2 40	-	2 13	5 33	-	2 1	3
D.C.	1	-	-	-	5	-	8	-	-	-	-	-	-	-	
Va. W.Va.	33 1	2	1	2	4	23	64 5	1	18 39	:	15 11	50 9	1	1	2
N.C.	12	-	-	-	1,	1	81	-	21	-	35	28	-	-	10
S.C. Ga.	2 14	-	1		1	4 8	56 · 97		5 22	:	1 17	14 69		2	1:
Fla.	26	-	9	-	8	159	155	3	48	3	70	47	-	21	68
S. CENTRAL	10	-	1	-	5	25	136	-	54	-	14	33	-	20	19
(y. Tenn.	1 2	-	1	-	2	1	49 37		11 17	-	2 7	14 8	-	14	18
Ala.	7	-	-	-	3	5	33	-	6	-	1	5	-	3	
Aiss.	-	-	-	-	-	19	17	-	20	-	4	6	-	3	
V.S. CENTRAL	78	5	596 8	-	25	'79 13	270 43	3	170 8	10	328 19	447 26	3	73 3	119
.a.	9	-	8		-	29	54	-	-	2	10	11	-	-	10
)kla. ex.	10 59	5	580	-	8 17	1 36	28 145	N 3	N 162	- 8	238 61	328 82	- 3	70	10
		5								0					
OUNTAIN	27 2	-	113	-	32	31 4	81 2	9	253 9		122 19	230 2	1	22	30
aho	2	-	-	-	23	10	10	1	10	-	7	16	-	1	1
/yo. olo.	7	-	-	-	6	1	3 28	1	2 28	-	6 45	6 133	1	3 2	1
Mex.	1	-	88	-	-		8	N	N	-	12	13	-	1	
riz.	10 5	-	25	-	1 2	1 12	16 8	7	188 11	2	24 7	29 31	-	4 7	1
tah ev.	-	-	-	-	-		6	-	5	-	2	-	-	4	
ACIFIC	373	-	586	3	57	228	319	8	471	9	583	144	4	195	30
/ash.	18	-	138	-	15	33 10	50 46	1 N	52 N	\sim^2	320	19	-	1	9
reg. alif.	13 338	-	289	3 ^{†§}	38	181	215	N 7	382	7	30 157	10 108	3	185	1 28
laska	- 4	-	- 159	2	4	2	~ 7 1	-	13 24	-	1 75	4 3	-	1 6	
awaii			83		2	2				-	75	3			
uam R.	1 4	U 75	196	U -	-	96	1 6	U 1	5 171	U -	1	14	U 1	2 20	
A	-	-	-	, i	-	5	-	-	5		-	-	-	-	
ic. Trust Terr.	-	U	-	U	-	-	-	U	-	U	-	-	U	-	

TABLE III. (Cont'd.) Cases of specified notifiable diseases, United States, weeks ending December 1, 1984 and December 3, 1983 (48th Week)

*For measles only, imported cases includes both out-of-state and international importations.

† International § Out-of-state N Not notifiable U Unavailable

Reporting Area	Syphilis (Primary & S		Toxic- shock Syndrome	Tubero	culosis	Tula- remia	Typhoid Fever	Typhus Fever (Tick-borne) (RMSF)	Rabies, Animal
	Cum. 1984	Cum. 1983	1984	Cum. 1984	Cum 1983	Cum. 1984	Cum. 1984	Cum. 1984	Cum 1984
JNITED STATES	25,447	29,788	3	19,607	21,575	278	339	853+	2 4,955
NEW ENGLAND	487	635	-	584	654	7	20	6	47
Maine N.H.	10 14	19 22	-	30 27	32 35	-	-	-	1:
Vt.	14	22	-	27	35 10		-	-	
Mass.	271	408	-	317	346	7	17	4	10
R.I. Conn.	22 169	23 160	-	48 154	60 171	-	3	2	1
ID ATLANTIC	3,415	3,944		3,580	3,852	2	52	27	51
Jpstate N.Y.	265	376	-	558	600	-	12	10	11
N.Y. City N.J.	2,064 610	2,265 770	-	1,480 788	1,547 804	2	17	3	3
a.	476	533	-	754	901	-	17 6	11	36
N. CENTRAL	1,263	1,596	1	2,565	2,909	8	56	64	20
Dhio nd.	218	419	1	455	464	-	7	39	2
II.	126 502	136 731	-	315 1,069	329 1,249	- 8	11 22	7 15-)	2
Aich.	345	222	-	578	718	-	7	3	2
Wis.	72	88	-	148	149	* • •	9	-	6
N.N. CENTRAL	333	357		596	684	83	10	52	70
/linn. owa	86	134 23	-	105	141	1	3	1	8
No.	11 169	133	-	62 297	65 345	45	5	6 17	14
I. Dak	9	2	-	12	6	-	-	-	13
S. Dak. Nebr	1	11	-	22	37	34	-	5	18
ans.	15 42	15 39	-	30 68	23 67	3	2	5 18	4
ATLANTIC	7,257	8,065	1	4,115	4,292	8	40	394	1,47
Del	19	35	-	50	64	-	-	1	
Vid. D.C	444 316	486 355	-	400 161	342 176	1	2 6	29	84
/a.	388	531	-	408	475	1	8	50	1 20
N Va.	20	25	-	126	126	-	-	7	4
N.C. S.C.	794 718	809 522	1	616	692	1	1	175 · ′ 79	2
Ga	1,059	1,446	-	500 637	402 691	4	1 8	48	5 18
la.	3,499	3,856		1,217	1,324	-	14	5	12
S. CENTRAL	1,924	2,002	-	1,839	1,930	7	9	93	24
(y. Tenn	94 485	163 534	-	436 535	485 591	1 5	2 2	191	5 7
Ala.	625	778	-	536	483	-	2	15	11
Aiss	720	527	-	332	371	ŕ 1	3	11, 1	
V S. CENTRAL	6,265	7,595 176	-	2,310	2,681	117	22	200	96
Ark. .a.	185 1,102	1,547	-	258 337	323 421	83 7	1	29 4	9 5
)kla	195	188	-	221	249	19	4	118	9
ex.	4,783	5,684	-	1,494	1,688	8	17	49	70
OUNTAIN	617	621	-	528	603	33	13	13	27
Aont. daho	3 23	7	-	17 28	42 30	3	1	8 1	12
Vyo.	4	12	-	28	30 12	8 1	-	3	2
olo.	168	142	-	66	92	6	5	ĩ	3
I. Mex. Ariz.	91 227	168 160		100 242	108 233	۲2 4	3 3	-	1
ltah	18	22	-	242	233 40	4	3	-	4
ev.	83	103	-	37	46	5	1	-	1
ACIFIC	3,886	4,973	1	3,490	3,970	13	117	4	52
Vash.	133 108	188 136	-	184 140	220	3	3	-	
Dreg. Calif.	3,566	4,562	1	2,901	166 3,290	2 8	2 103	1 2	51
laska	6	13	-	65	73	-	1	1	51
awaii	73	74	•	200	221	-	8	-	
uam R.	733	879	U	5 359	8 434	-	-	-	
n. .l.	11	19		359	434	-	5 3	-	5
ac. Trust Terr.	-	-	U	•	2	-	3	-	

TABLE III. (Cont'd.) Cases of specified notifiable diseases, United States, weeks ending December 1, 1984 and December 3, 1983 (48th Week)

U: Unavailable

TABLE IV. Deaths in 121 U.S. cities,* week ending

December	1,	1984	(48th	Week	Ending)	1
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Reporting Area Au Sec 5 45-64 25-44 1-24 C1 Pairs Reporting Area Au Ages >=65 45-64 25-44 1-24 C1 Poirs NEW INGLAM 757 54-1 154 38 18 16 6-9 8.ATLMIC 1.704 1.061 400 141 6-6 36 7.8 Regroup Composition Mass 25 13 1 1 4 1 4 1 4 1 4 1 4 1 1 1 5 1 1 4 1<			All Caus	es, By A	ge (Year	s)					All Cause	s, By Aç	ge (Years	5)		
Boston, Mass. 226 144 15 17 71 71 71 71 81 8 7 3 Gambridge Mass. 22 12 8 - - 6 Charlotte, NC, Ha 302 174 82 33 8 5 10 Cambridge Mass. 23 2 5 - - 6 Charlotte, NC, Ha 302 174 82 33 8 5 10 6 3 8 10 4 449 22 8 4 - - 6 Norking, Value 85 5 19 6 3 8 10 - 1 5 10 5 10 4 1 - 1 10 10 10 10 10 10 10 11 10 13 22 10 - 1 10 10 11 2 2 14 13 10 10 10	Reporting Area		≥65	45-64	25-44	1-24	<1	P&I** Total	Reporting Area		≥65	45-64	25-44	1-24	<1	P&I** Total
Bridgeort, Com. 52 33 11 3 1 4 1 Bridgeort, Com. 52 33 1 6 5 10 Fail Roy, Mass 25 17 8 6 Fail Roy, Mass 25 17 8 6 Fail Roy, Mass 35 22 12 5 4 - 4 Fail Roy, Mass 35 22 12 5 4 - 4 Fail Roy, Mass 36 22 6 4 4 Fail Roy, Mass 36 22 6 1 - 1 4 Fail Roy, Mass 16 14 1 5 - 1 - 5 Fail Roy, Mass 16 14 1 5 - 1 - 5 Fail Roy, Mass 16 14 1 5 - 1 2 Fail Roy, Mass 16 14 1 5 - 1 2 Fail Roy, Mass 16 14 1 5 - 1 2 Fail Roy, Mass 16 14 1 5 - 1 2 Fail Roy, Mass 16 14 1 5 - 1 2 Fail Roy, Mass 16 14 1 5 - 2 1 Fail Roy, Mass 16 14 1 5 - 2 1 Fail Roy, Mass 16 16 68 22 4 2 - 4 Abary, N - 65 44 15 2 1 3 2 - 1 2 - 3 Fail Roy, M - 65 44 15 2 1 3 2 - 1 2 Fail Roy, M - 65 44 15 2 - 1 2 - 4 Abary, N - 65 44 15 2 - 1 2 - 4 Fail Roy, M - 65 44 15 2 - 1 2 - 4 Fail Roy, M - 65 44 15 2 - 1 2 - 4 Fail Roy, M - 65 44 15 2 - 1 2 - 4 Fail Roy, M - 65 44 15 2 - 1 2 - 4 Fail Roy, M - 65 44 15 2 - 1 2 - 4 Fail Roy, M - 65 44 15 2 - 1 2 - 4 Fail Roy, M - 65 44 15 2 - 1 2 - 4 Fail Roy, M - 65 44 15 2 - 1 2 - 4 Fail Roy, M - 65 44 15 2 - 1 2 - 4 Fail Roy, M - 65 44 15 2 - 1 2 - 4 Fail Roy, M - 65 44 15 2 - 1 2 - 4 Fail Roy, M - 65 44 15 2 - 1 2 - 4 Fail Roy, M - 65 44 15 2 - 1 2 - 4 Fail Roy, M - 66 40 11 2 - 2 - 4 Fail Roy, M - 66 40 11 2 - 2 - 4 Fail Roy, M - 66 40 11 2 - 2 - 4 Fail Roy, M - 66 40 11 3 2 - 2 - 4 Fail Roy, M - 66 40 11 3 2 - 2 - 4 Fail Roy, M - 66 40 11 3 2 - 2 - 4 Fail Roy, M - 66 40 11 1 2 - 2 - 4 Fail Roy, M - 7 5 5 - 2 - 1 Fail Roy, M - 7 5 5 - 2 - 1 Fail Roy, M - 7 5 5				154	38	18	16	59		1,704	1,061			66	36	78
Cambridge Mass 25 17 18 - 1 6 1 Jacksonville, Ta 14 6 90 39 11 3 3 7 1 harford, Com 53 35 12 5 1 - 4 Markon, Fa 449 340 67 28 10 4 4 1 3 3 7 1 harford, Com 53 35 12 5 1 - 4 Markon, Fa 449 340 67 28 10 4 4 1 3 1 3 3 7 1 harford, Com 59 46 6 3 1 3 1 4 Savannah, Ga 47 28 12 6 1 - 5 Savannah, Ga 47 28 12 6 1 - 5 St Petestory, Fa 5 4 28 18 4 4 - 10 Trans, Fa 18 48 23 6 3 3 9 1 7 1 - 1 - 2 Savannah, Ga 47 28 12 6 1 - 5 St Petestory, Fa 5 4 4 2 2 6 1 3 - 5 St Petestory, Fa 5 4 4 2 2 6 1 3 - 5 St Petestory, Fa 5 4 28 18 4 4 - 10 Trans, Fa 18 48 23 6 3 - 2 2 5 T 1 - 2 - 7 Trans, Fa 5 4 4 5 - 1 - 5 St Petestory, Fa 5 4 4 5 - 1 - 5 St Petestory, Fa 5 4 4 5 - 1 - 5 St Petestory, Fa 5 4 4 5 - 1 - 2 - 7 Trans, Fa 5 4 4 5 - 1 - 2 - 7 Trans, Fa 5 4 4 5 - 1 - 2 - 7 Trans, Fa 5 4 4 5 - 1 - 2 - 7 Trans, Fa 5 4 4 5 - 1 - 2 - 7 Trans, Fa 5 4 4 5 - 1 - 2 - 7 Trans, Fa 5 4 4 5 - 2 - 2 - 5 Trans, Fa 5 4 4 5 - 2 - 2 - 5 Trans, Fa 5 - 1 - 2 - 2 - 7 Trans, Fa 5 - 1 - 2 - 2 - 7 Trans, Fa 5 - 1 - 2 - 2 - 7 Trans, Fa 5 - 1 - 2 - 2 - 7 Trans, Fa 5 - 1 - 2 - 2 - 7 Trans, Fa 5 - 1 - 2 - 2 - 7 Trans, Fa 5 - 1 - 2 - 2 - 7 Trans, Fa 5 - 1 - 2 - 2 - 7 Trans, Fa 5 - 1 - 2 - 2 - 7 Trans, Fa 5 - 1 - 2 - 2 - 7 Trans, Fa 5 - 1 - 2 - 2 - 7 Trans, Fa 5 - 1 - 2 - 2 - 7 Trans, Fa 5 - 1 - 2 - 2 - 7 Trans, Fa 5 - 1 - 1 - 2 - 2 - 7 Trans, Fa 5 - 1 - 1 - 2 - 2 - 7 Trans, Fa - 1 - 2 - 2 - 7 Trans, Fa - 1 - 2 - 2 - 7 Trans, Fa - 1 - 2 - 2 - 7 Trans, Fa - 1 - 1 - 2 - 7 Trans, Fa - 1 - 1 - 1 - 2 - 7 Trans, Fa - 1 - 1 - 1 - 2 - 2 - 7 Trans, Fa - 1 - 1 - 1 - 2 - 2 - 1 - 1 - 1 - 1 - 1				53	17	7	5	23		171					7	3
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Lovell, Mass 36 22 9 7 4					-		-	ь -							3	7
Lynn, Mass. 30 26 4					5		-									
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* Mortality data in this table are voluntarily reported from 121 cities in the United States, most of which have populations of 100,000 or more. A death is reported by the place of its occurrence and by the week that the death certificate was filed. Fetal deaths are not included. ** Pneumonia and influenza

† Because of changes in reporting methods in these 4 Pennsylvania cities, these numbers are partial counts for the current week. Complete counts will be available in 4 to 6 weeks. tt Total includes unknown ages.

§ Data not available. Figures are estimates based on average of past 4 weeks.

Dermatitis among Hospital Workers - Oregon

In November 1981, complaints of skin and respiratory irritation were reported to the National Institute for Occupational Safety and Health (NIOSH) by members of the housekeeping staff, which cleaned and disinfected patients' rooms at a community hospital in Oregon. The cleaning solutions the workers used contained a variety of irritating and toxic chemicals, including phenol, carbitol, ammonia, alcohols, detergents, waxes, and scrubbing compounds. Phenol was the principal ingredient of a germicidal solution applied to all objects and floors, when cleaning patients' rooms.

In January 1982, investigators from NIOSH interviewed 23 of 28 housekeeping employees who used these cleaning agents; for purposes of comparison, 11 workers selected at random from a list of employees not involved in housekeeping were also interviewed (1). Limited physical examinations were performed.

The 23 housekeeping employees reported the following symptoms with significantly greater frequency than did the employees not engaged in housekeeping: cough (43% for housekeeping employees and 9% for others), history of producing phlegm (56% and 0%), itching of the external ear (61% and 0%), sinus congestion (65% and 18%), and light-headedness while at work (56% and 0%). Four housekeeping employees had severe dermatitis of the hands and feet, and another four reported past histories of dermatitis. The onset of dermatitis for each of these patients was associated with a history of exposure of the skin to cleaning agents and disinfectants while at work. In two of the employees with dermatitis, transfer from the housekeeping employees reported histories of mild skin rash, but neither had evidence of current skin disease.

Changes in work practices were recommended to reduce skin exposures and associated dermatitis, including use of protective gloves and changes in application procedures (e.g., application of the germicide with a cloth rather than by spray bottle).

In April 1982, investigators collected air samples for analysis to determine the presence of airborne chemicals released from the cleaning agents. Post-shift urine samples were also collected from housekeeping employees to test for excretion of phenol. The results of the environmental tests (performed after NIOSH-recommended changes in work practices were being implemented) revealed that the workers were exposed to assorted airborne vapors of ammonia, carbitol, isopropyl alcohol, and petroleum distillates; however, concentrations were at very low levels. Results of tests for butyl cellosolve, cellosolve, ethanolamine, ethyl alcohol, formaldehyde, and phenol, were all below the lower limits of analytical detection (2). The mean urinary excretion among 23 housekeeping employees was 26.5 mg/g of creatinine (range: nondetectable to 187 mg/g creatinine); among eight nonhousekeeping employees, the mean urinary excretion of phenol was 9.8 mg/g creatinine) (range: nondetectable to 12.2 mg/g of creatinine) [p > 0.05]).

Reported by US Public Health Service Region X Office, Seattle, Washington; Hazard Evaluations and Technical Assistance Br, Div of Surveillance, Hazard Evaluations, and Field Studies, National Institute for Occupational Safety and Health, CDC.

Editorial Note: Workers in hospitals are exposed to a wide variety of chemicals known to be hazardous, including waste anesthetic gases (3), ethylene oxide (4), and formaldehyde (5). In this investigation, NIOSH found dermatitis, as well as an increased incidence of symptoms of respiratory irritation, among housekeeping workers in a hospital. Workers were exposed to

Dermatitis - Continued

cleaning compounds containing phenol and were excreting phenol in their urine. Phenol has previously been shown to cause contact dermatitis following repeated exposure (6, 7). It is possible that, in this episode, exposure to cleaning agents containing other solvents and irritating chemicals may also have contributed to the occurrence of dermatitis. Relatively simple precautions, such as work practices that limit the dispersal of solvents in the air and wearing personal protective gear, appear effective in reducing the hazard, by reducing contact of solvents with the skin.

References

- 1. National Institute for Occupational Safety and Health. Health hazard evaluation report no. HETA 82-053-1263. Cincinnati, Ohio: National Institute for Occupational Safety and Health, 1983.
- National Institute for Occupational Safety and Health. NIOSH manual of analytical methods. Vol 1-7, 2nd ed. Cincinnati, Ohio: National Institute for Occupational Safety and Health, 1977. (DHEW [NIOSH] publication no. 77-157).
- 3. National Institute for Occupational Safety and Health. Health hazard evaluation report no. HETA 82-016-1206. Cincinnati, Ohio: National Institute for Occupational Safety and Health, 1982.
- 4. National Institute for Occupational Safety and Health. Health hazard evaluation report no. HETA 81-350-932. Cincinnati, Ohio: National Institute for Occupational Safety and Health, 1981.
- National Institute for Occupational Safety and Health. Health hazard evaluation report no. HETA 82-205-1314. Cincinnati, Ohio: National Institute for Occupational Safety and Health, 1983.
- 6. Proctor NH, Hughes JP. Chemical hazards of the workplace. Philadelphia: JB Lippincott Company, 1978.
- National Institute for Occupational Safety and Health. Occupational diseases: a guide to their recognition. Revised ed. Cincinnati, Ohio: National Institute for Occupational Safety and Health, 1977. (DHEW [NIOSH] publication no. 77-181).

Sporotrichosis Among Hay-Mulching Workers — Oklahoma, New Mexico

Between June and September 1983, 12 cases of cutaneous sporotrichosis occurred among persons who had worked on three different hay-mulching crews based in Oklahoma and New Mexico. Each crew had used hay from the same fields in south-central Oklahoma to mulch road banks and building sites.

A private physician notified the Oklahoma Department of Health of one worker hospitalized for investigation of possible pulmonary sporotrichosis. Other cases were identified through reports from physicians and a survey of the six hay-mulching companies operating in Oklahoma and New Mexico. A case was defined as a person with a cutaneous lesion and serologic evidence of *Sporothrix schenckii* infection.

Three of five workers in a crew working in northern Texas developed *S. schenckii* infections; in another crew working in southern New Mexico, four of 12 workers developed infections; in a third crew working in central New Mexico, five of 21 workers who responded to a questionnaire developed infections. None of the patients had been exposed outside their work to roses, sphagnum moss, or hay. Ten of 12 patients had one or more lesions on the upper extremities; one of the remaining two had a single lesion on the upper chest; and the other, a single lesion on the lateral eyelid. Two additional workers had positive serologic tests but no clinical manifestations.

A questionnaire was administered to members of the three crews; 79% of the workers responded. No association was found between clinical infection and duration of work or work duty (loader, hay-blower, or driver). Exposure to fresh hay was not associated with infection in six workers who cut and baled hay at the implicated fields.

682

Vol. 33/No. 48

MMWR

Sporotrichosis – Continued

The prairie hay used by the crews had been cut in August 1982. Normally, prairie hay is dried for 1-2 days in the field before baling, but because of rain, this crop was left in the field for 5-6 weeks before being baled; after baling, it was stored until May 1983. Samples obtained from soil and plants at the implicated field 2 months after the hay mulching were negative for *S. schenckii.*

Reported by W Cook, MD, DJ Sexton, MD, Oklahoma City, B Gildon, J Booher, Comanche County Health Dept, P Hawkins, MPH, T Rickman, G Istre, MD, State Epidemiologist, Oklahoma State Dept of Health; V Ornelus, MD, P Acerra, Lovinn, I Nash, MD, Albuquerque, S Kearns, W Ricer, Carlsbad, R Ferguson, J Mann, MD, H Hull, MD, State Epidemiologist, New Mexico Health and Environment Dept; Div of Mycotic Diseases, Special Pathogens Br, Div of Bacterial Diseases, Center for Infectious Diseases, Div of Field Svcs, Epidemiology Program Office, CDC.

Editorial Note: S. schenckii is a dimorphic fungus. It is found worldwide in soil, plants, and decaying vegetation. Cutaneous sporotrichosis follows inoculation of spores into the skin and subcutaneous tissue. Infections of joints, central nervous system, and lungs occur, but are rare. Sporotrichosis following occupational exposure has been described previously among forestry workers (1), horticulturists, and miners (2,3). Infection following occupational exposure to prairie hay has not previously been reported, but two outbreaks have been described among children playing in old prairie hay (4,5). Health professionals attending workers with occupational exposure to decaying plant matter, including hay, should be alert for sporotrichosis as a cause of chronic skin disease.

References

- 1. Powell KE, Taylor A, Phillips BJ, et al. Cutaneous sporotrichosis in forestry workers. Epidemic due to contaminated sphagnum moss. JAMA 1978;240:232-5.
- Conant NF. Medical mycology: Sporotrichum schenckii. In: Dobos RJ, Hirsch JG, eds. Bacterial and mycotic infections of man. 4th ed. Philadelphia: JB Lippincott Company, 1965:853-6.
- 3. CDC. Sporotrichosis associated with Wisconsin sphagnum moss. MMWR 1982:31;542-4.
- Dahl BA, Silberfarb PM, Sarosi GA, Weeks RJ, Tosh FE. Sporotrichosis in children. Report of an epidemic. JAMA 1971;215:1980-2.
- 5. Laur WE, Posey RE, Waller JD. A familial epidemic of cutaneous sporotrichosis occurring in North Texas. Cutis 1979;23:205-8.

Erratum: Vol. 33, No. 1S

In the *MMWR* Supplement, "Adult Immunization: Recommendations of the Immunization Practices Advisory Committee (ACIP)," there is an error in Appendix 4. Page 64S, line 1, column 4, should read: Bivalent or tetravalent polysaccharide vaccine.

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The data in this report are provisional, based on weekly reports 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. Such reports and any other matters pertaining to editorial or other textual considerations should be addressed to: ATTN: Editor, *Morbidity and Mortality Week/y Report*, Centers for Disease Control, Atlanta, Georgia 30333.

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