

MMWR

MORBIDITY AND MORTALITY WEEKLY REPORT

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Current Trends

Measles — United States, 1979

During the period January 1 - May 5 (the first 18 weeks of 1979), a total of 6,784* cases of measles have been reported to CDC. This is the lowest number of cases ever reported for the first 18 weeks of a calendar year in recorded U.S. history.

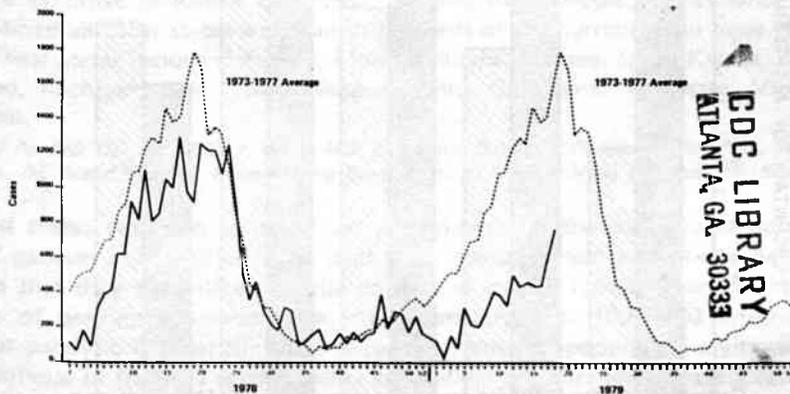
For 17 of the first 18 weeks of 1979, including the week ending May 5, the weekly totals of reported cases were the lowest ever reported for these weeks. The total of 738 cases reported in this week's MMWR is in contrast with 1,054* cases reported for the same week last year and is 55.1% lower than the average for this week during the period 1973-1977 (Figure 1).

Reported by Immunization Div, Bur of State Services, CDC.

Editorial Note: In recent years, measles incidence has followed a predictable annual cycle with a peak of reported cases between weeks 15 and 20 (roughly, the period of April to early June). If current trends continue, it is likely that the peak weekly incidence of reported measles in 1979 will approximate 800 cases or less. The ensuing expected seasonal reduction in cases should produce, during the period September-October 1979, the lowest number of measles cases ever reported for a 2-month period in the United States. More vigorous and widespread outbreak-control procedures during July through October, in addition to the normal seasonal decline in the disease this summer, should further reduce the occurrence of measles.

*Includes delayed reports and data from Puerto Rico, Virgin Islands, and Guam.

FIGURE 1. Measles incidence, 1973-1977 average, 1978 and 1979, United States



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Survey of Teenage Smokers — United States, 1979

On April 26, preliminary results of the 1979 Study of Cigarette Smoking among Teenagers in the United States were released by the Secretary of Health, Education, and Welfare. According to the survey, 11.7% of young people age 12 to 18 are current, regular smokers.* This is a decrease of 3.9% from 1974, when a similar survey was conducted. The percentage of current smokers has decreased since 1974 in all age groups except for women 17 through 18, for whom the percentage remains essentially unchanged (Table 1). In the 1979 survey, more female than male teenagers were smoking (Figure 2).

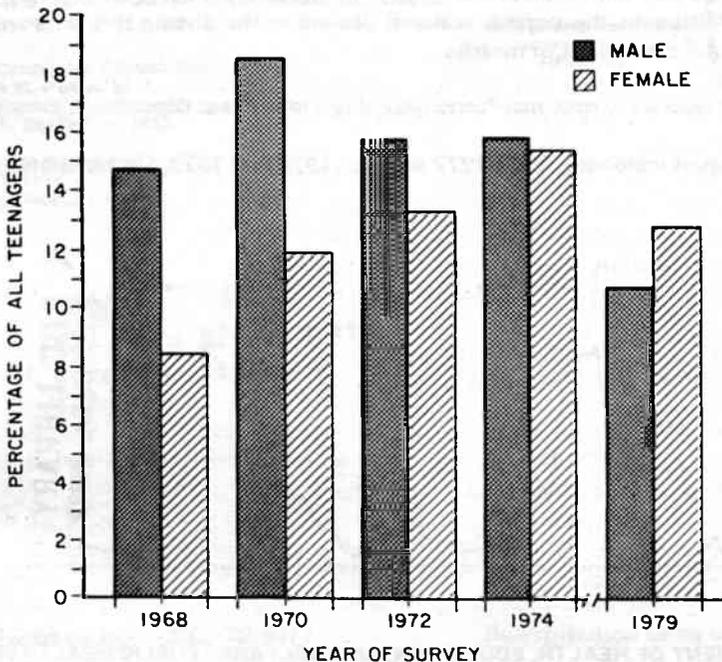
Reported by the National Institute of Education, Washington, DC; the Office on Smoking and Health, Rockville, Maryland; and the Bur of Health Education, CDC.

*Current, regular smokers include those who smoke at least weekly. In 1979, approximately 90% of current, regular smokers used cigarettes daily.

TABLE 1. Percentages of current, regular teenage smokers, United States, in selected years, by age and sex

Year	Age in years							
	12-14		15-16		17-18		Total	
	Male	Female	Male	Female	Male	Female	Male	Female
1968	2.9	0.6	17.0	9.6	30.2	18.6	14.7	8.4
1970	5.7	3.0	19.5	14.4	37.3	22.8	18.5	11.9
1972	4.6	2.8	17.8	16.3	30.2	25.3	15.7	13.3
1974	4.2	4.9	18.1	20.2	31.0	25.9	15.8	15.3
1979	3.2	4.3	13.5	11.8	19.3	26.2	10.7	12.7

FIGURE 2. Percentage of current, regular teenage smokers, United States, in selected years, by sex



Epidemiologic Notes and Reports**Paralytic Poliomyelitis — Pennsylvania**

The Pennsylvania State Department of Health has recently reported 2 confirmed cases of paralytic poliomyelitis in persons from a small Amish community in central Pennsylvania.

The first patient is a 24-year-old woman who was 8 weeks pregnant on April 18, when she became ill with an upper respiratory tract infection. On April 21, she developed progressive paralysis of both legs and 1 arm. Poliovirus type 1 was isolated from her stool. She had never received polio immunization in the past, nor had she been in contact with a known recent vaccine recipient. She had not traveled to areas known to be endemic for poliomyelitis, including the community in southern Pennsylvania, where another case of polio was reported in January (1).

The second patient is a 13-year-old Amish boy who became ill with back pain on April 25. He developed clinical evidence of aseptic meningitis and, subsequently, progressive weakness of both legs and 1 arm. Poliovirus type 1 was isolated from a rectal swab from this patient. He also had received no polio immunization in the past, nor had he had contact with recent vaccine recipients. He also had not been in a known polio-endemic area, but he had had contact with the female patient in his community during religious services.

Following the case of paralytic poliomyelitis in January, the Pennsylvania State Department of Health began—and has now intensified—efforts to encourage polio immunization among its Amish communities. These communities are generally underimmunized: less than 5% of the 18,000 Amish in Pennsylvania are estimated to have received polio immunization. However, more of these individuals are now requesting polio vaccine from the State Department of Health.

The Health Department has recommended full immunization with trivalent oral poliovirus vaccine (TOPV) for all persons in the Amish group where the 2 current patients live and for the approximately 25 non-Amish persons in daily contact with these people. Health officials are also ensuring that all children in surrounding areas have received routine polio immunizations, and they are continuing to encourage full immunization of all Amish communities in order to reduce further viral transmission among these highly susceptible populations.

There is often much travel among the Amish to other states. Because of the potential for more extensive poliovirus transmission among these people, Pennsylvania and CDC have notified all other states with Amish residents of the current polio cases in Pennsylvania. These states include Delaware, Florida, Illinois, Indiana, Iowa, Kansas, Kentucky, Maryland, Michigan, New York, Missouri, Ohio, Oklahoma, Tennessee, Virginia and Wisconsin.

Reported by MD Geiger, DDS, R Gens, MD, B Kleger, DrPH, W Parkin, DVM, PhD, State Epidemiologist, DE Schooley, DO, Pennsylvania State Dept of Health; Viral Diseases Div, Bur of Epidemiology, CDC.

Editorial Note: Although it is not yet known whether the polioviruses isolated from these 2 patients are vaccine-like or wild type, epidemiologic evidence to date strongly suggests that they are wild type. Wild polio virus spreads rapidly in areas where a large number of persons are nonimmune. Approximately 1 in 100-1,000 infected persons develops paralytic disease; the great majority of infected persons are asymptomatic but may continue to transmit virus to other susceptible persons. Thus, these 2 cases in April may well be related to the case in Pennsylvania in January (also due to poliovirus type 1, confirmed wild type) and may reflect a more extensive outbreak of poliovirus infection.

Poliomyelitis — Continued

Transmission may increase as the warmer months approach.

The most effective control measure during a polio outbreak is prompt vaccination, with oral poliovirus vaccine, of all susceptible persons. The currently available oral vaccine (TOPV) boosts serologic immunity in previously vaccinated individuals, and the vaccine virus interferes with gastrointestinal infection by wild-type poliovirus.

Reference

1. MMWR 28:49-50, 1979

Current Trends

Urban Rat Control — United States, October-December 1978

Since 1969, the Urban Rat Control Program—originally coordinated by the Office of the Secretary, HEW, and now by CDC—has disbursed funds to 93 communities to improve their living environments so that they will not support rat infestations. Currently, it funds 68 community programs.

With the participation of residents, city blocks identified as having rat infestation are improved by eliminating exposed garbage, inappropriate refuse storage, and harborage for rats. These activities are supplemented by code enforcement and rat killing.

Since the program began, 51,200 city blocks have received federally supported rat control services. Of these, 23,407 have become essentially rat free and are now locally sustained.

(Continued on page 213)

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

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

DISEASE	18th WEEK ENDING		MEDIAN 1974-1978**	CUMULATIVE, FIRST 18 WEEKS		
	May 5, 1979	May 6, 1978*		May 5, 1979	May 6, 1978*	MEDIAN 1974-1978**
Aseptic meningitis	41	54	41	841	659	637
Brucellosis	6	1	3	28	49	56
Chickenpox	6,577	5,029	5,333	117,762	77,630	77,630
Diphtheria	—	—	2	53	27	94
Encephalitis: Primary (arthropod-borne & unspec.)	11	9	13	159	191	218
Post-infectious	4	9	9	69	58	76
Hepatitis, Viral: Type B	261	280	273	4,745	5,223	5,016
Type A	538	599	629	9,952	9,838	12,380
Type unspecified	205	158	158	3,754	2,790	2,878
Malaria	15	10	10	143	165	121
Measles (rubella)	726	1,047	1,160	6,506	12,313	12,313
Meningococcal infections: Total	50	60	27	1,141	1,003	693
Civilian	49	60	26	1,135	994	687
Military	1	—	—	6	9	9
Mumps	301	597	1,215	7,132	8,141	23,011
Pertussis	23	24	24	446	724	425
Rubella (German measles)	703	1,063	697	6,111	7,863	7,863
Tetanus	2	2	2	14	19	18
Tuberculosis	581	629	629	9,508	9,531	10,249
Tularemia	1	3	3	36	27	32
Typhoid fever	10	8	4	129	173	114
Typhus fever, tick-borne (Rky. Mt. spotted)	7	11	12	55	40	40
Veneral diseases:						
Gonorrhea: Civilian	20,117	19,666	19,666	328,286	317,618	320,048
Military	572	699	699	9,457	8,317	9,220
Syphilis, primary & secondary: Civilian	448	417	376	8,197	7,125	7,270
Military	6	6	6	106	104	104
Rabies in animals	107	63	63	1,474	980	961

TABLE II. Notifiable diseases of low frequency, United States

	CUM. 1979		CUM. 1978
Anthrax	—	Poliomyelitis: Total	4
Botulism	7	Paralytic (Calif. 1)	4
Congenital rubella syndrome	18	Psittacosis (Iowa 1, Ga. 1, Tex. 1, Oreg. 1, Calif. 2)	48
Leprosy (Tex. 1, Hawaii 1)	54	Rabies in man	1
Leptospirosis	21	Trichinosis † (NYC 2, Calif. 5)	56
Plague	4	Typhus fever, flea-borne (endemic, murine) (Tex. 1)	6

* Delayed reports received for calendar year 1978 are used to update last year's weekly and cumulative totals.

** Medians for gonorrhea and syphilis are based on data for 1976-1978.

† The following delayed report will be reflected in next week's cumulative totals: Trichinosis: Va. +1, Alaska -7.

TABLE III. Cases of specified notifiable diseases, United States, weeks ending
May 5, 1979, and May 6, 1978 (18th week)

REPORTING AREA	ASEPTIC MENINGITIS		BRUCELLOSIS		CHICKENPOX		DIPHTHERIA			ENCEPHALITIS			HEPATITIS (VIRAL), BY TYPE			MALARIA	
									Primary		Post-infectious	B	A	Unspecified			
	1979	1978	1979	1978	1979	1978	CUM. 1979	1979	1978*	1979	1979	1979	1979	1979	1979	CUM. 1979	
UNITED STATES	41	6	6,577	-	53	11	9	4	261	538	205	15	143				
NEW ENGLAND	2	-	1,285	-	-	-	-	1	7	9	4	-	7				
Maine	-	-	155	-	-	-	-	-	-	-	-	-	-				
N.H.†	-	-	104	-	-	-	-	-	1	2	-	-	-				
Vt.	-	-	43	-	-	-	-	-	-	-	-	-	-				
Mass.†	1	-	412	-	-	-	-	-	2	4	2	-	3				
R.I.	1	-	93	-	-	-	-	-	1	-	-	-	3				
Conn.	-	-	478	-	-	-	-	1	3	3	2	-	1				
MID. ATLANTIC	7	-	497	-	-	2	-	-	49	44	19	-	18				
Upstate N.Y.	-	-	141	-	-	-	-	-	5	9	4	-	2				
N.Y. City	-	-	139	-	-	2	-	-	14	6	7	-	12				
N.J.	7	-	NN	-	-	-	-	-	20	18	6	-	1				
Pa.†	-	-	217	-	-	-	-	-	10	11	2	-	3				
E.N. CENTRAL	5	-	2,497	-	-	1	2	1	22	49	16	1	6				
Ohio†	-	-	173	-	-	-	1	1	5	11	-	-	2				
Ind.†	-	-	299	-	-	1	-	-	2	6	6	-	-				
Ill.	2	-	544	-	-	-	-	-	4	15	3	-	1				
Mich.	2	-	608	-	-	-	-	-	8	14	6	1	3				
Wis.	1	-	873	-	-	-	1	-	3	3	1	-	-				
W.N. CENTRAL	1	-	784	-	-	1	-	-	5	36	4	1	6				
Minn.	-	-	1	-	-	-	-	-	1	11	2	-	3				
Iowa	-	-	343	-	-	1	-	-	3	1	1	-	-				
Mo.	1	-	143	-	-	-	-	-	-	18	1	1	2				
N. Dak.	-	-	8	-	-	-	-	-	-	2	-	-	-				
S. Dak.	-	-	40	-	-	-	-	-	-	1	-	-	-				
Nebr.	-	-	1	-	-	-	-	-	1	1	-	-	1				
Kans.†	-	-	248	-	-	-	-	-	-	3	-	-	-				
S. ATLANTIC	3	2	768	-	-	2	1	2	63	81	44	1	29				
Dal.	-	-	11	-	-	-	-	-	1	-	-	-	1				
Md.	-	-	178	-	-	-	-	-	10	10	15	1	5				
D.C.	-	-	7	-	-	-	-	-	-	-	-	-	4				
Va.†	-	-	38	-	-	1	-	1	14	5	3	-	7				
W. Va.†	-	2	235	-	-	-	-	-	3	2	1	-	1				
N.C.	-	-	NN	-	-	1	1	-	8	14	5	-	1				
S.C.†	1	-	35	-	-	-	-	-	6	7	2	-	1				
Ga.	-	-	-	-	-	-	-	-	9	17	-	-	2				
Fla.	2	-	264	-	-	-	-	1	12	26	18	-	7				
E.S. CENTRAL	5	-	61	-	-	1	1	-	9	30	2	-	2				
Ky.	2	-	43	-	-	-	-	-	-	-	-	-	-				
Tenn.	1	-	NN	-	-	-	-	-	4	17	1	-	-				
Ala.	2	-	13	-	-	-	-	-	3	1	1	-	1				
Miss.†	-	-	5	-	-	1	1	-	2	12	-	-	1				
W.S. CENTRAL	5	4	205	-	-	-	1	-	24	70	62	1	13				
Ark.	-	-	-	-	-	-	-	-	2	10	1	-	1				
La.	2	-	NN	-	-	-	-	-	-	-	-	-	2				
Okla.	-	-	-	-	-	-	-	-	-	2	4	1	1				
Tex.†	7	4	205	-	-	-	1	-	22	58	57	-	9				
MOUNTAIN	1	-	134	-	1	-	-	-	6	73	21	-	4				
Mont.	-	-	25	-	-	-	-	-	-	6	-	-	-				
Idaho	1	-	7	-	-	-	-	-	1	4	-	-	-				
Wyo.	-	-	-	-	-	-	-	-	1	2	-	-	1				
Colo.	-	-	97	-	-	-	-	-	2	6	1	-	2				
N. Mex.†	-	-	-	-	-	-	-	-	-	15	-	-	-				
Ariz.	-	-	-	-	-	-	-	-	-	39	20	-	1				
Utah	-	-	1	-	-	-	-	-	-	1	-	-	-				
Nev.	-	-	4	-	-	-	-	-	-	-	-	-	-				
PACIFIC	8	-	346	-	52	4	4	-	76	146	33	11	58				
Wash.†	-	-	296	-	51	-	2	-	9	24	3	-	3				
Oreg.	1	-	-	-	-	-	2	-	5	24	2	-	4				
Calif.†	7	-	-	-	1	2	2	-	62	94	27	11	50				
Alaska	-	-	7	-	-	-	-	-	-	1	1	-	-				
Hawaii	-	-	43	-	-	-	-	-	-	3	-	-	1				
Guam	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
P.R.	2	-	57	-	-	-	-	-	1	2	5	-	-				
V.I.	-	-	1	-	-	-	-	-	-	-	-	-	-				
Pac. Trust Terr.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				

NN: Not notifiable.

NA: Not available.

*Delayed reports received for 1978 are not shown below but are used to update last year's weekly and cumulative totals.

†The following delayed reports will be reflected in next week's cumulative totals: Aseptic meningitis: Ohio +1, Ind. +1; Chickenpox: Mass. +1, Ind. +272, W. Va. +7, S.C. +2, Miss. +8, Wash. +22, Calif. +36; Encephalitis: Ind. +1, Wash. +1; Hepatitis B: Pa. +17, Ind. +1, Kans. +3, Miss. -1, N. Mex. -3; Hepatitis A: N.H. +2, Pa. +18, Ind. -1, Kans. +3, Va. -1, Miss. -1, Tex. +1, N. Mex. +93, Wash. +1; Hepatitis unspecified: Pa. +2, S.C. -1, Tex. -1, N. Mex. -10; Malaria: Ind. +1.

TABLE III (Cont.'d). Cases of specified notifiable diseases, United States, weeks ending May 5, 1979, and May 6, 1978 (18th week)

REPORTING AREA	MEASLES (RUBEOLA)			MENINGOCOCCAL INFECTIONS TOTAL			MUMPS		PERTUSSIS	RUBELLA		TETANUS
	1978	CUM. 1978	CUM. 1978*	1978	CUM. 1978	CUM. 1978*	1978	CUM. 1978	1978	1978	CUM. 1978	CUM. 1978
UNITED STATES	726	6,506	12,313	50	1,141	1,003	301	7,132	23	703	6,111	14
NEW ENGLAND	19	187	1,382	1	42	55	12	287	2	89	882	-
Maine †	-	4	924	-	1	3	4	109	-	-	52	-
N.H. †	3	8	18	-	5	5	1	3	-	2	71	-
Vt.	8	67	22	-	3	2	-	4	-	30	309	-
Mass. †	8	6	131	-	9	22	1	23	1	23	274	-
R.I.	-	100	4	-	3	10	3	17	1	6	30	-
Conn.	-	-	283	1	21	13	3	131	-	28	146	-
MID. ATLANTIC	66	692	995	11	170	141	22	622	6	71	926	3
Upstate N.Y.	37	391	677	6	60	46	2	78	6	21	408	1
N.Y. City	28	260	113	2	46	33	4	65	-	20	115	1
N.J.	-	28	18	3	44	28	16	318	-	10	216	-
Pa.	1	13	187	-	20	34	-	161	-	20	187	1
E.N. CENTRAL	242	1,616	4,732	5	108	95	105	2,914	3	257	1,461	1
Ohio †	13	38	230	-	35	21	31	1,000	2	1	29	-
Ind. †	9	103	68	-	24	15	11	168	1	202	567	-
Ill. †	186	780	581	-	3	19	15	433	-	-	121	-
Mich.	29	437	3,065	3	34	32	11	625	-	47	618	1
Wis. †	5	258	788	2	12	8	37	688	-	7	126	-
W.N. CENTRAL	161	757	198	-	36	35	26	503	1	4	221	-
Minn.	133	446	18	-	7	5	-	5	-	-	22	-
Iowa	-	7	36	-	5	6	10	187	-	-	43	-
Mo.	28	326	6	-	17	16	9	138	-	3	23	-
N. Dak.	-	6	98	-	-	1	-	1	-	-	8	-
S. Dak.	-	1	-	-	2	2	-	3	-	-	-	-
Nebr.	-	-	4	-	-	-	-	4	1	-	67	-
Kans.	-	11	36	-	5	5	7	165	-	1	58	-
S. ATLANTIC	82	840	2,996	8	262	269	13	259	2	117	631	3
Del.	-	-	5	-	3	1	2	11	-	-	2	-
Md.	1	6	3	-	21	13	1	33	1	5	20	-
D.C.	-	-	47	-	1	1	-	1	-	-	-	-
Va. †	22	107	1,943	1	41	36	2	59	-	15	71	1
W. Va.	2	47	595	-	3	5	3	65	-	7	77	-
N.C. †	1	97	51	3	45	51	4	39	-	65	252	2
S.C.	1	35	154	1	39	17	-	2	-	4	48	-
Ga. †	33	144	6	2	46	35	-	3	1	-	2	-
Fla.	22	400	192	1	63	110	1	46	-	21	159	-
E.S. CENTRAL	11	90	771	1	90	81	56	758	-	7	151	3
Ky.	-	15	66	-	13	15	49	659	-	1	42	-
Tenn.	3	19	562	-	28	23	6	68	-	4	71	-
Ala.	1	41	31	1	23	22	1	10	-	2	21	3
Miss.	7	15	112	-	26	21	-	21	-	-	17	-
W.S. CENTRAL	55	680	696	14	210	150	35	1,171	5	8	147	4
Ark.	-	7	13	1	15	13	1	575	3	-	-	2
La.	16	186	285	9	95	50	4	34	-	1	22	-
Okla. †	1	25	9	1	17	14	-	-	-	4	22	-
Tex. †	38	462	389	3	83	73	30	562	2	3	103	2
MOUNTAIN	4	136	115	3	53	22	7	184	3	20	274	-
Mont. †	-	48	81	-	4	2	-	5	3	2	42	-
Idaho	-	2	1	-	4	2	-	3	-	12	139	-
Wyo.	-	-	-	-	-	-	-	-	-	-	-	-
Colo.	-	12	13	-	2	2	2	55	-	-	20	-
N. Mex. †	-	26	-	-	3	4	-	7	-	-	1	-
Ariz.	3	25	8	1	30	7	5	25	-	4	65	-
Utah	1	15	4	2	5	4	-	79	-	2	7	-
Nev.	-	4	8	-	5	1	-	10	-	-	-	-
PACIFIC	86	1,468	428	7	170	155	25	434	1	130	1,418	-
Wash. †	38	668	37	-	25	26	2	148	-	7	122	-
Oreg.	-	52	120	-	10	4	3	41	-	2	51	-
Calif.	48	678	270	7	125	119	16	188	1	121	1,235	-
Alaska	-	15	-	-	3	5	3	8	-	-	1	-
Hawaii	-	55	1	-	7	1	1	49	-	-	9	-
Guam	NA	-	18	-	-	-	NA	-	NA	NA	3	-
P.R.	12	170	94	-	-	1	31	337	1	4	23	3
V.I.	-	2	6	-	1	-	-	2	-	-	-	-
Pac. Trust Terr.	NA	5	356	-	1	2	NA	11	NA	NA	-	-

NA: Not available.

*Delayed reports received for 1978 are not shown below but are used to update last year's weekly and cumulative totals.

†The following delayed reports will be reflected in next week's cumulative totals: Measles: N.H. +5, Mass. +1, Ind. +9, Ill. +44, N.C. -1, Okla. -4, Tex. +54, Mont. -1, N.Mex. +1, Wash. -2; Men. inf.: Ohio +1, Ind. +3, Va. -1 civ. +1 mil., Tex. -1; Mumps: Ind. +6; Pertussis: Maine +1, N.Mex. +2; Rubella: Mass. -1, Ind. +16, Ill. -44, Wis. +8, N.Mex. +3.

TABLE III (Cont.'d). Cases of specified notifiable diseases, United States, weeks ending May 5, 1979, and May 6, 1978 (18th week)

REPORTING AREA	TUBERCULOSIS		TULA-REMIA		TYPHOID FEVER		TYPHUS FEVER (Tick-borne) (RMSF)		VENEREAL DISEASES (Civilian)								RABIES (in Animals)	
									GONORRHEA				SYPHILIS (Pri. & Sec.)					
	1978	CUM. 1978	CUM. 1978	1978	CUM. 1978	1978	CUM. 1978	1978	CUM. 1978	1978	CUM. 1978	CUM. 1978*	1978	CUM. 1978	CUM. 1978*	CUM. 1978		
UNITED STATES	581	9,508	36	10	129	7	55	20,117	328,286	317,618	448	8,197	7,125	1,474				
NEW ENGLAND	11	276	1	1	10	-	-	464	8,624	8,076	15	148	219	15				
Maine	-	21	-	-	1	-	-	31	589	634	1	3	3	14				
N.H.	-	4	-	-	-	-	-	14	291	374	-	2	1	1				
Vt.	-	9	-	-	-	-	-	8	161	208	-	-	1	-				
Mass.	5	166	1	1	6	-	-	249	3,601	3,503	10	96	146	-				
R.I.	2	21	-	-	1	-	-	27	696	560	-	4	7	-				
Conn.	4	55	-	-	2	-	-	135	3,286	2,797	4	43	61	-				
MID. ATLANTIC	77	1,538	1	2	22	-	7	2,817	36,470	35,288	62	1,295	980	9				
Upstate N.Y.	18	269	1	-	5	-	6	382	6,533	5,463	4	107	68	8				
N.Y. City	23	577	-	2	9	-	1	795	13,577	13,874	42	865	691	-				
N.J.	16	271	-	-	6	-	-	991	6,932	6,751	7	177	110	1				
Pa.	20	421	-	-	2	-	-	649	9,428	9,200	9	146	111	-				
E.N. CENTRAL	99	1,315	-	1	10	-	2	2,908	50,334	45,723	36	1,040	771	122				
Ohio	20	249	-	-	1	-	2	775	13,436	12,269	14	215	160	9				
Ind.	13	188	-	-	-	-	-	141	4,284	4,798	-	68	45	36				
Ill. †	46	484	-	-	4	-	-	1,120	16,372	13,802	6	589	478	56				
Mich. †	19	337	-	1	5	-	-	710	11,787	10,625	13	132	64	-				
Wis. †	1	57	-	-	-	-	-	162	4,455	4,229	3	36	24	21				
W.N. CENTRAL	13	311	9	-	3	-	1	1,024	15,878	15,701	5	121	170	297				
Minn.	5	42	-	-	2	-	-	107	2,698	2,798	3	36	81	75				
Iowa	1	31	-	-	-	-	-	98	2,031	1,863	-	18	14	62				
Mo.	5	164	7	-	1	-	-	490	6,783	6,358	1	49	38	91				
N. Dak.	1	11	-	-	-	-	-	19	270	331	-	-	2	14				
S. Dak. †	-	18	1	-	-	-	-	22	516	589	-	-	1	13				
Nebr.	-	3	1	-	-	-	-	50	1,021	1,176	-	-	1	5				
Kans.	1	42	-	-	-	-	1	238	2,559	2,586	1	17	29	42				
S. ATLANTIC	144	2,191	2	-	17	5	23	3,486	77,021	76,606	117	2,026	1,872	171				
Dal.	2	23	-	-	-	-	-	81	1,244	1,124	1	12	3	-				
Md. †	14	290	-	-	6	1	5	567	9,386	10,118	16	147	144	-				
D.C.	5	101	-	-	1	-	-	129	4,654	5,097	10	150	146	-				
Va. †	15	256	-	-	2	3	7	422	7,617	7,061	12	203	172	3				
W. Va.	9	86	-	-	1	-	-	61	1,124	1,172	1	176	166	1				
N.C. †	24	355	1	-	-	1	8	524	11,652	10,875	7	176	166	1				
S.C. †	17	107	1	-	2	-	2	501	6,939	7,177	3	100	87	57				
Ge.	26	329	1	-	-	-	1	381	14,532	14,427	22	531	463	108				
Fla. †	32	644	-	-	5	-	-	820	20,073	19,555	45	679	685	2				
E.S. CENTRAL	61	868	5	-	6	-	9	2,038	27,757	27,281	21	533	339	86				
Ky.	20	210	2	-	2	-	-	241	3,678	3,053	-	57	40	38				
Tenn.	20	246	3	-	1	-	5	694	9,604	10,119	14	219	131	27				
Ala.	9	193	-	-	3	-	4	866	8,476	8,093	4	106	46	21				
Miss. †	12	219	-	-	-	-	-	237	5,999	6,016	3	151	122	-				
W.S. CENTRAL	84	1,163	8	3	10	2	12	2,628	43,040	44,267	68	1,396	1,066	634				
Ark.	3	79	6	-	-	2	11	216	3,547	3,473	4	43	35	154				
La.	12	264	1	-	-	-	-	495	7,592	7,380	18	326	206	5				
Oklia.	13	140	-	-	-	-	-	153	3,815	3,989	-	26	36	88				
Tex.	56	680	1	3	10	-	1	1,764	28,086	29,425	46	999	789	387				
MOUNTAIN	7	280	7	-	8	-	1	867	12,728	11,733	6	149	139	18				
Mont.	-	10	1	-	-	-	-	29	607	758	-	6	6	-				
Idaho	-	4	-	-	1	-	-	21	542	409	2	11	1	-				
Wyo. †	-	4	-	-	-	-	-	5	303	276	-	3	3	-				
Colo.	-	39	1	-	2	-	-	203	3,463	3,260	1	39	44	-				
N. Mex. †	2	51	1	-	1	-	-	154	1,642	1,634	-	21	41	13				
Ariz.	2	137	-	-	3	-	-	278	3,575	2,923	-	42	25	5				
Utah	1	9	4	-	-	-	-	32	653	702	-	3	4	-				
Nev. †	-	26	-	-	1	-	1	145	1,943	1,771	3	24	15	-				
PACIFIC	85	1,566	3	3	43	-	-	3,885	56,434	52,943	118	1,489	1,569	122				
Wash. †	10	71	2	-	1	-	-	302	5,006	3,885	NA	64	63	-				
Ore.	3	74	-	-	-	-	-	171	3,578	3,704	4	70	53	-				
Calif.	69	1,287	1	3	35	-	-	3,236	45,095	42,582	112	1,311	1,432	120				
Alaska	-	34	-	-	-	-	-	108	1,818	1,711	-	7	5	2				
Hawaii	3	100	-	-	7	-	-	68	937	1,059	2	38	16	-				
Guam	NA	14	-	NA	-	NA	-	NA	20	41	NA	-	-	-				
P.R.	1	58	-	-	2	-	-	107	723	905	10	178	151	7				
V.I. †	-	2	-	1	1	-	-	5	56	69	-	-	6	-				
Pac. Trust Terr.	NA	8	-	NA	-	NA	-	NA	47	170	NA	-	-	-				

NA: Not available.
 †Delayed reports received for 1978 are not shown below but are used to update last year's weekly and cumulative totals.
 The following delayed reports will be reflected in next week's cumulative totals: TB: Mich. -7, N.C. -2, S.C. +3, Fla. -1, Miss. +6, Wyo. -1; RMSF: Va. +1; GC: Wis. -2 civ., Miss. -6 civ., N.Mex. +1 mil., Nev. -1 mil., Wash. +66 mil., V.I. +6 civ.; Syphilis: Ill. +129, Wash. +22; An. rabies: S.Dak. +11, Md. +5, N.Mex. +4.

TABLE IV. Deaths in 121 U.S. cities,* week ending
May 5, 1979 (18th week)

REPORTING AREA	ALL CAUSES, BY AGE (YEARS)					P & I** TOTAL	REPORTING AREA	ALL CAUSES, BY AGE (YEARS)					P & I** TOTAL
	ALL AGES	>65	45-64	25-44	<1			ALL AGES	>65	45-64	25-44	<1	
NEW ENGLAND	646	415	151	41	21	37	S. ATLANTIC	1,155	675	314	90	44	52
Boston, Mass.	184	57	50	16	12	13	Atlanta, Ga.	117	68	32	11	2	2
Bridgeport, Conn.	37	23	9	1	3	3	Baltimore, Md.	227	116	73	23	11	2
Cambridge, Mass.	18	12	5	1	—	3	Charlotte, N.C.	73	38	21	6	5	3
Fall River, Mass.	26	21	3	—	—	—	Jacksonville, Fla.	93	56	24	6	3	3
Hartford, Conn.	56	31	16	6	2	1	Miami, Fla.	134	79	36	10	7	8
Lowell, Mass.	17	13	3	—	—	2	Norfolk, Va.	64	32	23	5	3	6
Lynn, Mass.	24	16	7	—	—	1	Richmond, Va.	70	41	23	5	1	10
New Bedford, Mass.	32	26	6	—	—	1	Savannah, Ga.	57	30	12	9	2	10
New Haven, Conn.	61	33	18	8	1	2	St. Petersburg, Fla.	89	72	15	—	1	3
Providence, R.I.	53	39	9	2	2	4	Tampa, Fla.	64	39	16	4	1	3
Somerville, Mass.	5	5	—	—	—	—	Washington, D.C.	130	83	29	9	6	1
Springfield, Mass.	47	33	10	4	—	4	Wilmington, Del.	37	21	10	2	2	1
Waterbury, Conn.	28	19	8	—	—	—							
Worcester, Mass.	58	47	7	3	1	3							
MID. ATLANTIC	2,042	1,318	486	136	62	80	E.S. CENTRAL	696	404	179	53	30	33
Albany, N.Y.	48	28	14	2	1	2	Birmingham, Ala.	114	65	23	11	6	4
Allentown, Pa.	27	15	10	2	—	—	Chattanooga, Tenn.	60	35	16	4	1	3
Buffalo, N.Y.	121	74	34	8	3	14	Knoxville, Tenn.	47	37	7	1	1	2
Camden, N.J.	45	25	16	3	—	—	Louisville, Ky.	131	77	36	6	5	10
Elizabeth, N.J.	24	19	3	2	—	2	Memphis, Tenn.	161	83	50	12	11	5
Erie, Pa.†	36	23	12	—	—	—	Mobile, Ala.	39	25	10	1	2	—
Jersey City, N.J.	47	32	12	1	1	1	Montgomery, Ala.	37	18	10	9	—	—
Newark, N.J.	58	29	10	5	—	8	Nashville, Tenn.	107	64	27	9	4	7
N.Y. City, N.Y.	1,325	850	327	87	36	46							
Paterson, N.J.	29	17	6	3	3	1	W.S. CENTRAL	1,340	733	356	115	56	44
Philadelphia, Pa.†	218	138	52	11	12	13	Austin, Tex.	49	25	11	9	2	1
Pittsburgh, Pa.†	68	38	16	7	6	6	Baton Rouge, La.	36	20	9	4	1	3
Reading, Pa.	34	30	3	1	—	1	Corpus Christi, Tex.	40	16	15	5	2	—
Rochester, N.Y.	96	70	18	5	3	1	Dallas, Tex.	161	87	46	14	7	3
Schenectady, N.Y.	27	20	6	1	—	—	El Paso, Tex.	50	32	10	2	3	4
Scranton, Pa.†	30	23	6	—	1	1	Fort Worth, Tex.	85	46	24	4	4	6
Syracuse, N.Y.	74	49	13	5	6	1	Houston, Tex.	387	198	105	34	14	10
Trenton, N.J.	32	20	6	4	1	1	Little Rock, Ark.	64	39	16	4	1	8
Utica, N.Y.	22	17	2	3	—	1	New Orleans, La.	150	86	47	9	4	5
Yonkers, N.Y.	33	23	6	4	—	1	San Antonio, Tex.	172	89	47	16	12	—
							Shreveport, La.	44	27	10	3	3	1
							Tulsa, Okla.	102	68	16	11	3	3
E.N. CENTRAL	2,256	1,352	577	138	101	56	MOUNTAIN	520	308	124	40	19	21
Akron, Ohio	59	36	16	4	1	—	Albuquerque, N. Mex.	52	33	12	5	—	4
Canton, Ohio	33	26	6	1	—	3	Colo. Springs, Colo.	34	21	8	2	2	5
Chicago, Ill.	565	351	144	39	31	15	Denver, Colo.	99	57	23	10	2	4
Cincinnati, Ohio	183	113	45	9	6	4	Las Vegas, Nev.	39	21	9	6	—	1
Cleveland, Ohio	161	88	42	15	8	4	Ogden, Utah	14	11	1	—	2	2
Columbus, Ohio	131	68	31	13	11	5	Phoenix, Ariz.	125	75	32	9	3	3
Detroit, Ohio	95	56	24	6	5	—	Pueblo, Colo.	16	11	4	—	—	1
Detroit, Mich.	269	158	67	20	12	3	Salt Lake City, Utah	51	30	9	1	6	1
Evanston, Ind.	54	34	17	2	1	2	Tucson, Ariz.	90	49	26	7	4	—
Fort Wayne, Ind.	45	30	12	1	1	1							
Gary, Ind.††	18	9	6	2	1	1	PACIFIC	1,808	1,140	412	119	65	63
Grand Rapids, Mich.	68	46	16	4	2	3	Berkeley, Calif.	23	14	5	4	—	—
Indianapolis, Ind.	162	68	53	8	5	—	Fresno, Calif.	67	45	12	5	2	1
Madison, Wis.	17	11	3	1	—	2	Glendale, Calif.	33	23	8	1	1	5
Milwaukee, Wis.	111	70	32	3	3	3	Honolulu, Hawaii	65	34	18	4	6	2
Peoria, Ill.	26	13	6	1	2	6	Long Beach, Calif.	92	62	24	4	1	21
Rockford, Ill.	51	33	9	3	5	1	Los Angeles, Calif.	547	332	129	46	20	2
South Bend, Ind.	42	28	11	1	—	2	Oakland, Calif.	77	39	21	5	6	2
Toledo, Ohio	116	72	27	5	7	1	Pasadena, Calif.	28	18	6	2	—	—
Youngstown, Ohio	50	42	8	—	—	—	Portland, Oreg.	107	77	16	8	4	2
							Sacramento, Calif.	51	27	18	5	1	1
W.N. CENTRAL	699	464	145	36	32	30	San Diego, Calif.	147	90	32	6	6	—
Des Moines, Iowa	65	42	14	2	4	1	San Francisco, Calif.	150	101	31	9	3	5
Duluth, Minn.	16	14	3	—	1	2	San Jose, Calif.	146	99	26	9	5	6
Kansas City, Kans.	27	14	7	2	1	1	Seattle, Wash.	180	121	41	5	5	6
Kansas City, Mo.	115	74	31	1	5	4	Spokane, Wash.	64	39	18	2	3	7
Lincoln, Neb.	38	31	4	1	1	2	Tacoma, Wash.	31	19	7	2	2	3
Minneapolis, Minn.	77	49	17	7	2	2							
Omaha, Neb.	73	54	10	5	2	3							
St. Louis, Mo.	181	115	36	14	10	8							
St. Paul, Minn.	48	34	6	4	3	—							
Wichita, Kans.	57	35	17	—	3	7							
TOTAL	11,162	6,809	2,744	768	430	416	Expected Number	10,480	6,502	2,641	647	395	370

*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, there will now be 117 cities involved in the generation of the expected values used to monitor pneumonia and influenza activity in the United States. Data from these 4 cities will appear in the tables but will not be included in the totals for the United States and the Middle Atlantic Region.

†††Data not available this week. Figures are estimates based on average percent of regional totals.

Urban Rat Control — Continued

These blocks are classified as environmentally improved blocks (EIB). In the quarter from October 1 through December 31, 1978, the programs designated an additional 2,076 blocks as EIB (Table 2).

Before a block is designated as EIB, it must achieve an "In Maintenance" status. Such blocks are essentially rat free, and the environmental conditions have been improved but have not remained stable for more than a year. As of December 31, 1978, 14,478 blocks in the federally supported target areas had achieved maintenance status. Approximately 5.8 million people now live in areas that are essentially rat free as a result of the program's services.

Every 6 months the Urban Rat Control Projects survey all premises within a community program area for evidence of rat infestation. The results of these surveys serve as the basis for corrective program activities and for evaluation of program countermeasures.

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

TABLE 2. Urban Rat Control Program target-area status report, first quarter fiscal year 1979 (October 1-December 31, 1978)

Program community	Target-area blocks		Environmentally improved blocks*	
	Total	In maintenance	New this quarter	Cumulative
REGION I	1,071	532	103	697
Hartford	423	282	103	103
Boston	423	87	0	0
Worcester	225	163	0	594
Previously funded programs				0
REGION II	4,471	2,445	577	2,935
Camden	286	75	0	65
Jersey City	275	158	0	50
Newark	271	100	0	0
Paterson	111	49	65	109
New York City	1,665	831	0	544
Newburgh	47	33	0	39
Rochester	296	237	0	166
Yonkers	121	70	0	28
Aguadilla, P.R.	222	154	43	43
Arecibo, P.R.	200	115	115	115
Mayaguez, P.R.	280	148	112	112
Ponce, P.R.	238	151	146	146
San Juan, P.R.	459	324	96	96
Previously funded programs				1,422
REGION III	5,041	2,895	125	4,970
"War on Rats," Washington, D.C.	1,131	887	0	628
Baltimore	511	190	0	165
Chester	175	136	0	0
Harrisburg	368	203	0	0
N.E. Pa. V.C. Assn.†	430	114	0	958
Philadelphia	1,471	787	125	1,022
Pittsburgh	505	252	0	1,026
Chesapeake	78	61	0	0
Norfolk	279	196	0	1,171
Portsmouth	93	69	0	0
Previously funded programs				0

(Continued on page 214)

Urban Rat Control - Continued

TABLE 2. Urban Rat Control Program target-area status report, first quarter fiscal year 1979 (October 1-December 31, 1978) - Continued

Program community	Target-area blocks		Environmentally improved blocks*	
	Total	In maintenance	New this quarter	Cumulative
REGION IV	5,154	2,841	674	3,522
Mobile	541	259	158	158
Ft. Lauderdale	566	398	249	311
Miami	1,157	896	0	0
Pensacola	476	0	0	0
Tampa	716	576	267	267
Dekalb Cty., Ga.	753	242	0	0
Louisville	536	342	0	396
Memphis	409	128	0	392
Previously funded programs				1,998
REGION V	5,189	1,868	94	2,342
Chicago	399	43	0	0
Ft. Wayne	249	96	0	100
Gary	381	145	0	0
Indianapolis	367	264	0	50
Benton Harbor	190	0	0	0
Detroit	635	339	0	87
Highland Park, Mich.	220	17	0	0
Saginaw	333	0	0	0
Akron	349	208	18	183
Barberton, Ohio	161	42	16	16
Cincinnati	163	74	42	42
Cleveland	603	249	0	437
Columbus	565	261	0	0
Toledo	440	120	18	18
Milwaukee	134	10	0	0
Previously funded programs				1,409
REGION VI	2,975	1,331	26	5,447
Little Rock	403	31	0	0
Pine Bluff	276	170	0	0
New Orleans	580	487	26	2,751
Houston	863	635	0	1,438
San Antonio	853	8	0	0
Previously funded programs				1,258
REGION VII	2,506	1,951	36	1,854
Kansas City, Ka.	793	685	0	448
Kansas City, Mo.	354	263	0	417
St. Louis	622	368	0	634
Omaha	537	435	0	159
Council Bluffs	200	200	36	196
Previously funded programs				0
REGION IX	1,339	615	73	810
Los Angeles	512	264	23	54
Oakland	386	137	0	100
San Bernardino	193	80	0	0
San Francisco	248	134	50	174
Previously funded programs				482

*Urban Rat Control – Continued***TABLE 2. Urban Rat Control Program target-area status report, first quarter fiscal year 1979 (October 1-December 31, 1978) – Continued**

Program community	Target-area blocks		Environmentally improved blocks*	
	Total	In maintenance	New this quarter	Cumulative
REGION X	28	0	368	830
Seattle	28	0	368	830
Previously funded programs				0
TOTAL	27,774	14,478	2,076	23,407

*Contiguous blocks where maintenance has been achieved and sustained for a minimum of 12 months. These blocks are no longer part of the approved project target area.

†The Northeast Pennsylvania Vector Control Association serves Lackawanna and Luzerne Counties and the cities of Nanticoke, Wilkes-Barre, and Hazleton.

*International Notes***Leprosy – Worldwide, 1975**

The World Health Organization (WHO) recently reported on the worldwide distribution of leprosy in 1975. Some details of that report follow.

According to information received through questionnaires and other sources, the total number of registered cases in 154 countries was 3,599,949, an increase of about 710,000 over the figure obtained in the previous evaluation in 1968. This is a 25% increase; however, the countries reporting were not identical in the 2 evaluation years, and the populations from which figures were derived had increased by 19% over the 7-year period. Even when this population increase was taken into account, it is clear that the rate of registration has increased since 1968: a true comparison for the period 1968-1975, possible with 110 countries, revealed a 7% increase in registered cases. In Asia there were significant increases in registration, especially in Burma (25%), India (56%), and Indonesia (85%).

In tropical African countries the proportion of lepromatous cases tended to be low (10%–15%), whereas in Asia it was greater (34% in Indonesia, 40% in Thailand). In the Americas it was frequently above 50%, as in Brazil (55%). The proportion was extremely variable in Oceania.

The lack of uniformity in the classification of cases and the varying efficiency in case finding are 2 factors that partially explain the variation in the proportion of each form of leprosy in different countries. In recent years, indefinitely retaining patients with lepromatous leprosy on treatment or surveillance beyond the accepted period of inactivity

The Morbidity and Mortality Weekly Report, circulation 90,000, is published by the Center for Disease Control, Atlanta, Georgia. The data in this report are provisional, based on weekly telegraphs to CDC by state health departments. The reporting week concludes at close of business on Friday; compiled data on a national basis are officially released to the public on the succeeding Friday.

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

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

Leprosy - Continued

has led to a rise in the proportion of this form. In other countries tardiness in dropping from the registry fully treated tuberculoid cases also has affected the proportion of the forms of leprosy reported.

Many countries gave data on the number of registered patients receiving treatment. These were presented as a percentage of total under treatment to total registered, by area: Africa, 69%; America, 67%; Eastern Mediterranean, 73%; Southeast Asia, 86%; and Western Pacific, 78%. When an analysis was made of patients receiving regular treatment (at least 75% of the prescribed doses), the percentages fell to much lower levels: Africa, 41%; Eastern Mediterranean, 53%; Southeast Asia, 47%; and Western Pacific, 74%. An estimated 120,000 to 150,000 patients were released from control annually, worldwide.

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