# MMR

MORBIDITY AND MORTALITY WEEKLY REPORT

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# Epidemiologic Notes and Reports

# St. Louis Encephalitis — California

In early October 1984, a private physician notified the Long Beach City Health Department that a local private medical laboratory had confirmed the diagnosis of St. Louis encephalitis (SLE) in a city resident with encephalitis. Subsequently, the health department learned that the laboratory also had serologic evidence of recent SLE infection in several other patients with central nervous system infections. As of October 22, SLE had been confirmed in 11 persons—seven from Los Angeles County, three from Orange County, and one from Riverside County. Dates of onset ranged from August 2 to October 5 (Figure 1). There were no deaths. All but two of the patients were 50 years of age or over. Investigations suggest that all patients were infected locally, because none had recently traveled far from home. At least five additional suspected cases are under investigation.

Routine surveillance of arboviral activity in 1984 had been unremarkable until seroconversions to SLE virus were noted in sentinel chickens from Harbor City (Los Angeles County) and Irvine (Orange County) bled on August 30. SLE virus was isolated from pools of *Culex tarsalis* mosquitoes collected from the Harbor City site on September 13 and September 18. More seroconversions were found in bleedings of the Harbor City flock on September 21 and the Irvine flock on October 11. These seroconversions probably reflected viral transmission in the previous 2 weeks. With the onset of cooler weather, by mid-October, mosquito populations had decreased below levels normally associated with risk of transmission to humans (1).

Reported by Local mosquito control agencies, Microbiology Reference Laboratory, Long Beach, Long Beach City Health Dept, Arbovirus Research Unit, School of Public Health, University of California, Berkeley, Epidemiology, Laboratory, and Vector Control Svcs, County of Los Angeles Dept of Health Svcs, Orange County Health Care Agency, County of Riverside, California State Dept of Health Svcs; Div of Vector-borne Viral Diseases, Center for Infectious Diseases, CDC.

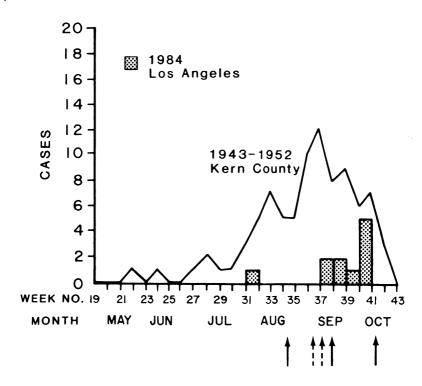
Editorial Note: From 1945 to 1959, major combined outbreaks of western equine encephalitis (WEE) and SLE occurred in California, principally in the Sacramento and San Joaquin Valleys, although 10% of cases were reported from Imperial and Riverside Counties (2). In 1952, when the largest arbovirus encephalitis outbreak in the state's history occurred, no human cases occurred in Los Angeles or Orange Counties (2). The epidemiology of WEE and SLE in the central valley was characterized by endemic transmission, resulting in increased immunity in the population with increasing length of residence (3). Consequently, most clinical infections occurred among children and young adults (3). In contrast to this pattern, in east-central and Atlantic states, where SLE transmission occurs intermittently and the population is largely susceptible, major, often urban-centered outbreaks occur, affecting principally the elderly, who are biologically more susceptible (4).

# St. Louis Encephalitis - Continued

Most of the persons in the current outbreak were over 50 years of age, indicating that larger numbers of milder clinical cases in younger age groups may not have been recognized. The crude attack rate to date for Long Beach, where cases clustered, was 3/100,000 population among persons 60 years of age or older. Although this is a relatively low attack rate, compared with previously described urban SLE outbreaks (3), case finding in Los Angeles has been passive thus far. The age distribution in this outbreak suggests that endemic SLE-virus transmission has not previously occurred in the area and that the underlying level of immunity in the population may be low.

In urban SLE outbreaks in the east, *Cx. p. pipiens* and *Cx. p. quinquefasciatus* are the principal vectors. *Cx. tarsalis* is the vector of SLE and WEE in the rural west; however, investigations have indicated a potential role for *Cx. p. quinquefasciatus* in SLE transmission in Imperial County, California (5), and, in 1966, in Tucson, Arizona (6). In Dallas, Texas, an outbreak in 1966 was attributed to introduction of SLE virus from the rural *Cx. tarsalis* cycle to urban *Cx. p. quinquefasciatus* (7,8). The identity of the vector species in this outbreak was not determined. Comprehension of the vector ecology and epidemiology of SLE in Los Angeles will be

FIGURE 1. St. Louis encephalitis (SLE), by date of onset — California, 1943-1952 and 1984



SLE virus isolated from Cx. tarsalis, Long Beach.

Seroconversions to SLE virus in sentinel chickens, Long Beach, weeks 34 and 37; Irvine, weeks 34 and 41.

## St. Louis Encephalitis — Continued

essential to guide surveillance and control programs to prevent future outbreaks in this populous area, where a substantial proportion of the population appears to be susceptible.

### References

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# **Current Trends**

# Influenza Activity — Northern Hemisphere, 1984

**Trinidad:** Outbreaks of influenza-like illness have occurred in Trinidad since early September. Persons of all ages have been affected, many of whom experienced gastrointestinal symptoms along with fever, cough, coryza, and myalgias. Twenty influenza type B viruses have been recovered from throat swabs collected in September and October from symptomatic children and adults, including one child hospitalized with neurologic symptoms consistent with encephalitis; no type A viruses were recovered. Antigenic analysis of the 20 isolates is currently in progress.

Japan: Influenza-like illness has occurred in northern Japan since mid-October. Influenza type B viruses were recovered from seven children who became ill sporadically and from two others who became ill during an outbreak that affected 105 (28%) of 380 children in one school.

Great Britain: Influenza viruses were isolated from sporadic cases occurring in August and September. In Newcastle, type A(H1N1) virus was obtained from an infant with leukemia in remission who became ill August 15. In Edinburgh, type B virus was obtained from a child who developed influenza in September after being hospitalized for several weeks.

United States: Influenza type B virus was isolated from specimens obtained from a 30-year-old woman in Houston, Texas, on October 24. The woman became ill with influenza on October 22 while returning from a trip that included stops in Hong Kong, Singapore, and Thailand.

### Influenza — Continued

Influenza A viruses recovered from two patients in Nevada (1) were recently submitted to CDC for reference analysis. Both viruses were closely related to A/Philippines/2/82(H3N2), a strain included in the current vaccine.

Reported by P Diggory, MD, B Hull, Caribbean Epidemiology Centre, Trinidal; M Pereira, PhD, Central Public Health Laboratory, London, England; H Six, PhD, WP Glezen, MD, School of Medicine, Baylor University, Houston, CE Alexander, MD, State Epidemiologist, Texas Dept of Health; Virus Diseases Unit, World Health Organization, Geneva; Influenza Br, Div of Viral Diseases, Center for Infectious Diseases, CDC.

Editorial Note: These early reports of influenza in the Northern Hemisphere are consistent with previous reports from the Southern Hemisphere and the tropics (2) and indicate that influenza A(H3N2), A(H1N1), and influenza B viruses continue to circulate in the world. Viruses related to the prevalent strains of influenza are included in this year's influenza vaccine, which should continue to be provided to persons who are at high risk or in priority groups (3).

### References

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

	4	16th Week End	ing	Cumulative, 46th Week Ending				
Disease	Nov. 17, 1984	Nov. 19, 1983	Median 1979-1983	Nov. 17, 1984	Nov. 19, 1983	Median 1979-1983		
Acquired Immunodeficiency Syndrome (AIDS)*	72	55	N	3.759	1.798	N		
Aseptic meningitis	190	237	222	7.154	11.345	8.550		
Encephalitis: Primary (arthropod-borne	190	237	222	7,154	11,345	0,550		
& unspec.)	15	39	37	1,030	1.668	1.377		
Post-infectious	15	39	2	80	81	81		
Gonorrhea: Civilian	16,025	17.601	19.762	738.871	800.226	888.110		
Military		403	388		21,595	24.107		
Hepatitis: Type A	285		388 540	18,499		22,334		
Type B	416	380		18,793	18,883	18.216		
Non A. Non B	498	457	457	22,717	21,127			
	64	70	N	3,273	3,006	N 0 4 7 0		
Unspecified	97	118	195	4,771	6,438	9,173		
Legionellosis	7	24	Ň	577	668	N		
Leprosy	4	. 5	3	199	215	193		
Malaria	19	16	20	879	722	951		
Measles: Total**	3	4	34	2,426	1,379	2,829		
Indigenous	2	2	N	2,138	1,105	N		
Imported	1	2	N	288	274	N		
Meningococcal infections: Total	51	45	48	2,372	2,410	2,410		
Civilian	51	45	48	2,367	2,395	2,395		
Military	-	-	-	5	15	15		
Mumps	40	49	80	2,565	2,928	4,774		
Pertussis	24	35	29	1.981	2,105	1,515		
Rubella (German measles)	11	15	20	696	893	2,166		
Syphilis (Primary & Secondary): Civilian	461	594	594	24.436	28.720	27,393		
Military	1	5	4	260	350	338		
Toxic Shock syndrome	6	7	N	415	374	N		
Tuberculosis	326	415	525	18.785	20.632	23,992		
Tularemia	4	9	3	272	268	236		
Typhoid fever	13	5	6	331	409	464		
Typhus fever, tick-borne (RMSF)	8	6	5	836	1.078	1.078		
Rabies, animal	88	61	78	4,802	5,432	5,618		

TABLE II. Notifiable diseases of low frequency, United States

	Cum. 1984		Cum. 1984
Anthrax Botulism: Foodborne Infant Other Brucellosis (Va. 2) Cholera	1 17 83 6 110	Plague Poliomyelitis: Total Paralytic Psittacosis (Ind. 1, Ariz. 1, Calif. 1, Hawaii 1) Rabies, human Tetanus (Tex. 2, Calif. 1)	31 3 3 82 2 57
Congenital rubella syndrome Diphtheria Leptospirosis	4 1 27	Trichinosis Typhus fever, flea-borne (endemic, murine) (Calif. 1, Hawaii 1)	73 31

<sup>\*</sup>The 1983 reports which appear in this table were collected before AIDS became a notifiable condition.

<sup>\*\*</sup>One of the 3 reported cases for this week was imported from a foreign country or can be directly traceable to a known internationally imported case within two generations.

TABLE III. Cases of specified notifiable diseases, United States, weeks ending November 17, 1984 and November 19, 1983 (46th Week)

		Aseptic	Encor	halitis				anatitie (1)	r			
Reporting Area	AIDS	Menin- gitis	enin- Post-in- (Civilian)			A	B B	riral), by ty NA,NB	Unspeci- fied	Legionel- losis	Leprosy	
Reporting Area	Cum. 1984	1984	Cum. 1984	Cum. 1984	Cum. 1984	Cum. 1983	1984	1984	1984	1984	1984	Cum. 1984
UNITED STATES	3,759	190	1,030	80	738,871	800,226	416	498	64	97	7	199
NEW ENGLAND Maine	129	11	45	2	20,536	20,597	6	45	2	8	-	11
N.H. Vt.	2	2	7		884 651	1,007 651	2	8	-	-	-	-
Mass.	70	4	5 21	-	338 8,713	393 8,876	2	1 24	1	8	-	6
R.I. Conn.	6 50	1 4	12	2	1,446 8,504	1,136 8,534	1 1	12	1	-	-	4 1
MID ATLANTIC	1,662	38	119	9	99,950	101,713	28	53	6	3	1	36
Upstate N.Y. N.Y. City	140 1,218	7 8	40 11	7	16,133 38,632	16,861 40,305	2 6	2 17	-	1	1	3 31
N.J. Pa.	222 82	16 7	27 41	2	17,846 27,339	18,954 25,593	13 7	19 15	4 2	2	-	2
E.N. CENTRAL	161	19	292	18	104,553	116,814	17	23	4	4	3	6
Ohio Ind.	20 23	9 5	94 77	9	27,942 11,332	30,757 11,006	7 4	3 5	3	1 2	2	2
III.	82	-	27	6	22,832	33,917	-	-	-	-	'-	2
Mich. Wis	26 10	5 -	60 34	3	30,729 11,718	30,844 10,290	6	14 1	1	1 -	-	2
W.N. CENTRAL	38	13	91	3	36,883	37,734	4	11	4	1	1	3
Minn. Iowa	9	1 2	41 29	-	5,513 4.028	5,235 4,072	2	4	2	1	-	2 1
Mo. N. Dak.	22	9	11	-	17,651	18,513	1	5	1	-	1	-
S Dak	-	1	2	1	351 868	402 933	-	2	1	-	-	-
Nebr Kans	3 2	-	1 7	2	2,752 5,720	2,488 6,091	1 -	-	-	-	-	-
S ATLANTIC	506	42	155	17	182,428	207,042	35	129	12	18	1	10
Del Md	5 44	1 6	1 28	-	3,548 21,393	3,767 26,637	1 2	1 17	3	2	1	1
D.C Va	78	-	-		13,394	14,203	-	-	-	-	-	1
W Va	33 4	9	28 36	5	17,871 2,397	18,948 2,298	2 2	21 2	1		-	4
N.C. S.C.	12 8	16	31 4	7	30,435 19,281	32,078	2	9 7	1	2	-	-
Ga	51	1	2	2	28,722	19,189 42,509	5	16	1	3 1	-	1
Fla	271	9	25	3	45,387	47,413	21	56	5	10	-	3
E.S. CENTRAL Ky	23 10	3 1	51 13	7	67,312 8,008	67,265 7,955	5 2	35 16	3 1	1	-	-
Tenn Ala	6 5	2	16 19	1	27,279	27,671	1	8	-	-	-	-
Miss	2	-	3	5 1	20,528 11,497	20,754 10,885	1 1	8 3	2	-	-	-
W.S. CENTRAL Ark.	270 1	21 1	91	4	100,546	111,978	67	35	4	22	1	19
La	40	3	8	2	8,995 22,076	8,819 21,422	1 2	2 3	2	3	-	1
Okła. Tex.	10 219	5 12	19 64	1	11,119 58,356	12,931 68,806	13 51	7 23	2	4 15	1	17
MOUNTAIN	60	5	31	11	24,512	25,527	64	38	4	6	_	8
Mont.	-	-	-		937	1,057	2	-	1	-	-	-
ldaho Wyo.	1	-	-		1,169 658	1,132 675	1	1	-	-	-	
Colo. N. Mex.	30	2	10	-	7,008	7,133	10	6	-	1	-	-
Ariz.	15	3	12	3	2,975 6,769	3,138 7,296	2 18	5 15	2	1 4	-	6
Utah Nev.	7 6	-	9	8	1,170 3,826	1,218 3,878	12 19	3 8	1	-	-	1
PACIFIC	910	38	155	9	102,151	111,556	190	129	25	34	_	106
Wash. Oreg.	49 8	2	8	-	7,784 5,912	8,778	8	6	2	3	-	3 1
Calif.	840	35	144	9	84,216	5,970 91,858	43 139	15 108	2 21	31	-	87
Alaska Hawaii	1 12	1	3	-	2,512 1,727	2,870 2,080		-	-	-	-	15
Guam		Ų	-	-	103	118	U	U	U	U	υ	-
P.R. V.I.	53	1 U	3	2	2,980 406	2,552 272	1 U	10 U	ū.	ū.	i. U	5
Pac. Trust Terr.	-	ŭ	-	-	-	- 212	Ü	Ü	Ü	Ü	Ü	-

TABLE III. (Cont'd.) Cases of specified notifiable diseases, United States, weeks ending November 17, 1984 and November 19, 1983 (46th Week)

Reporting Area   Performance	<del></del>			November 17, 1984 and November 19, 1983 (46th Week)												
UNITED STATES 879 2 2,138 1 288 1379 2,372 40 2,565 24 1,981 2,105 11 696 883 NEW ENGLAND 46	Reporting Area	Malaria	Indig				Total		Mur	mps		Pertussis	•		Rubella	
NEW ENGLAND  46 - 94 - 12 20 164 4 87 1 59 69 - 20 17  NH 33 - 3 1 1 27 20 164 4 87 1 59 69 - 20 17  NH 33 - 3 1 1 27 2 2 5 5 1 1 4 1 1 1 27 2 5 5 1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Reporting Area	Cum. 1984	1984		1984				1984		1984	Cum. 1984		1984		Cum. 1983
Maine	UNITED STATES	879	2	2,138	1	288	1,379	2,372	40	2,565	24	1,981	2,105	11	696	893
NH		46	-	94	-	12	20				1			_	20	17
Mass. 26 - 49 - 8 66 1 18 - 17 38 - 18 6 6 1 18 - 17 38 - 18 6 7 8 18 1 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N.H.	-	-		-		3	9		18	-					4
RI. 4 117 - 10 1 4 5 10 1 4 5 17 10 1 4 5	Mass.		-		-		- 8		1		-			-	18	
MDATLAWTIC 140 2 120 1, 44 118 408 4 297 3 181 352 - 224 144 190 140 140 140 140 140 140 140 140 140 14			-	10	-	4	-	17		10	1	4	5	-	-	-
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N.J. 37 - 4 - 3 27 81 2 1344 1 12 19 1 18 18 2 194	Upstate N.Y. N.Y. City				1 '				2				114		99	29
EN CENTRAL  79 - 617 - 75 704 379 11 978 4 440 473 6 96 129 Ohio  19 - 3 - 6 87 126 8 473 3 75 144 - 2 2 11 406 47 - 59 229 55 - 5 55 25 III.	N.J.	37	-			3	27	81	2	134	-	12	19		18	3
Ohio			-	-	-				-					-		
Ind.			-		-									6		
Mich. 15 - 411 - 54 29 97 3 183 - 30 99 0 32 36 WN Wis. 14 - 421 - 54 29 97 3 183 - 30 99 0 22 - 8 29 WN N. CENTRAL 24 - 47 - 9 8 8 149 2 1066 2 125 131 - 39 42 94 Minn. 7 - 444 - 3 1 1 31 - 6 16 16 47 - 4 9 9 8 149 10 8 16 47 - 4 9 9 8 149 2 1066 2 125 131 - 39 42 94 94 10 8 8 - 3 1 1 1 46 - 10 - 20 23 2 2 3 3 18 1 1 1 46 - 10 - 20 23 2 2 3 8 18 1 1 1 46 1 10 - 20 23 2 2 3 1 13 1 1 1 46 1 10 - 20 23 2 2 3 1 13 1 1 1 1 1 1 1 1 1 1 1 1 1 1		4	-	2	-	1	406	47	-	59	-	229	55	-	5	25
Wis. 14 - 22 - 13 1 47 - 86 - 60 72 - 8 29  W.N.CENTRAL 24 - 47 - 9 8 149 2 106 2 125 131 - 39 42  Minn. 7 - 44 - 3 1 31 - 6 - 16 47 - 4 9 9 8 149  10 Nos 2 22 1 25 1 13 6 - 1 1 22 1 25 1 1 3 6 1 1			-		-				_			26 30		6		
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S. Dak.  1	Mo. N. Dak.		-	3	-		1		-			20		-	3	
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Del			-		-				1	-	1			-	31	33
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Ga 14 - 1 - 1 8 93 - 22 - 17 66 - 2 13 Fla. 26 - 9 - 8 159 152 1 44 4 64 44 1 21 67 Fla. 26 - 9 - 8 159 152 1 44 4 664 44 1 21 67 Fla. 26 - 9 - 8 159 152 1 44 4 664 44 1 21 67 Fla. 26 - 9 - 8 159 152 1 44 4 664 44 1 21 67 Fla. 20 19 Fla. 20 1			-	-	-	1			1		1			-	-	10
ES CENTRAL  10 - 1 - 5 6 131 - 53 - 14 33 - 20 19  Ky.  1 - 1 - 5 6 131 - 53 - 11 33 - 20 19  Ky.  1 - 1 - 1 - 5 6 131 - 53 - 11 4 33 - 20 19  Ky.  1 - 1 - 1 - 5 6 131 - 53 - 11 4 33 - 20 19  Ky.  1 - 1 - 1 - 5 6 131 - 53 - 11 4 - 14 18  Tenn.  2 2 - 3 3 5 33 - 17 - 7 8 3 1  Miss.  5 - 16 - 19 - 4 6 - 3 1  Miss.  8 - 13 46 - 19 - 4 6 - 3  13 46 - 8 - 17 24 - 3 10  Cala.  9 - 8 29 47 8 - 17 24 - 3 - 10  Cala.  9 - 8 29 47 8 - 17 24 - 3 10  Cala.  9 - 8 1 25 N N 2 238 319 10  MOUNTAIN  27 - 113 - 32 19 80 7 241 3 121 229 - 21 34  Mont 2 4 2 1 9 - 19 1 3  Kyo.  1 3 3 - 2 - 6 6 6 - 2 6  Colo.  7 1 3 3 - 2 - 6 6 6 - 2 6  Colo.  7 6 3 28 1 26 - 45 133 - 2 1  N. Mex.  1 - 88 1 1 16 5 180 1 24 29 - 4 1  N. Mex.  1 - 88 1 1 16 5 180 1 24 29 - 4 1  N. Mex.  1 - 88 1 1 1 16 5 180 1 24 29 - 4 1  Nev.			-					93	-	22	-	17	66	:		13
Ky         1         -         1         -         1         49         -         11         -         2         14         18           Tenn.         2         -         -         2         -         -         2         -         14         18           Ala.         7         -         -         -         3         5         33         -         6         -         1         5         -         3         1           Miss.         -         -         -         -         -         -         16         -         19         -         4         6         -         3         -           W.S. CENTRAL         76         -         541         -         25         78         257         4         160         2         316         436         -         61         118           La.         9         -         8         -         -         13         46         -         8         -         17         23         13           La.         9         -         8         -         -         13         46         -         8         11         -			-		-	-			,					'		
Ala 7 3 5 33 - 6 - 1 5 - 3 1 Miss 3 5 78 257 4 160 2 316 436 - 61 118 Ark 8 - 8 - 13 46 - 8 - 17 24 - 3 - 18 La. 9 - 8 - 29 47 8 11 10 Okla. 9 - 8 - 29 47 8 11 10 Okla. 9 8 11 25 N N 2 238 319 10 Ark. 58 - 525 - 17 35 139 4 152 - 53 82 - 58 108 MOUNTAIN 27 - 113 - 32 19 80 7 241 3 121 229 - 21 34 Mont. 2 2 4 2 1 9 - 19 1 3 3 10 Ark. 2 2 3 10 9 - 7 7 16 - 1 8 8 Yyo 6 6 3 28 1 26 - 45 133 - 2 1 8 Yyo 6 6 3 28 N N 2 211 13 - 1 1 3 3 12 1 2 1 2 1 2 1 2 1 2 1 2 1 2	Ky.	1			-	-		49	-		_					19
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Ark	Miss.	-	-	-	-				-							-
La. 9 - 8 29 47 18 11 10 Okla. 9 8 1 25 N N N 2 238 319 10 Tex. 58 - 525 - 17 35 139 4 152 - 53 82 - 58 108  MOUNTAIN 27 - 113 - 32 19 80 7 241 3 121 229 - 21 34 Mont 2 4 2 1 9 - 19 1 3 Idaho 2 3 10 9 - 9 - 7 16 - 1 8 Wyo 1 3 3 - 2 - 6 6 - 2 6 Colo. 7 6 3 28 1 26 - 45 133 - 2 1 Okla. 1 - 88 8 N N 2 11 13 - 1 - 2 Okla. 2 1 1 1 16 5 180 1 24 29 - 4 1 Okla. 357 - 586 - 53 221 310 6 454 4 568 135 2 189 294 Wash. 14 - 138 - 15 28 49 1 50 - 314 16 - 1 9 Okla. 326 - 289 - 34 179 208 5 367 4 148 103 2 180 269 Okla. 326 - 289 - 34 179 208 5 367 4 148 103 2 180 269 Okla. 9 10 4 5 N N - 30 9 - 2 14 Oklaska 2 7 - 10 45 N N - 30 9 - 2 14 Oklaska 2 7 - 2 7 7 13 3 1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1	W.S. CENTRAL	76	-		-	25			4					-		118
Okla. 9 8 1 25 N N 2 238 319 7 Tex. 58 - 525 - 17 35 139 4 152 - 53 82 - 58 108  MOUNTAIN 27 - 113 - 32 19 80 7 241 3 121 229 - 21 34  Mont. 2 4 2 1 9 - 19 1 3  Idaho 2 23 10 9 - 9 - 7 16 - 1 8  Wyo 1 3 - 2 - 6 6 6 - 2 6  Colo. 7 6 3 28 1 26 - 45 133 - 2 1  N. Mex. 1 - 88 8 N N 2 11 13 - 1  Ariz. 10 1 1 16 5 180 1 24 29 - 4 8  Ariz. 10 1 1 16 5 180 1 24 29 - 4 8  Utah 5 - 25 - 2 - 8 - 11 - 7 31 - 7 7  Nev 6 3 221 310 6 454 4 568 135 2 189 294  Wash. 14 - 138 - 15 28 49 1 50 - 314 16 - 1 9  Oreg. 13 10 45 N N - 30 9 - 2 14  Calif. 326 - 289 - 34 179 208 5 367 4 148 103 2 180 269  Alaska 2 7 - 13 - 1 4 - 1 1 1 4 - 1  Guam 1 U 83 U 2 2 2 1 U 5 U U 2  P.R. 4 - 121 95 4 4 167 - 1 13 3 19 7  VI U - U - 5 U 5 U U - 2  VI.	La.		-		-	-	29	47	-	-	-	8			-	10
MOUNTAIN         27         -         113         -         32         19         80         7         241         3         121         229         -         21         34           Mont         2         -         -         -         -         4         2         1         9         -         19         1         -         -         3         3         10         9         -         9         -         7         16         -         1         3         3         -         2         -         6         6         6         -         2         6         6         -         2         6         6         -         2         6         6         -         2         6         6         -         2         6         6         -         2         6         6         -         2         6         6         -         2         4         8         -         -         -         8         N         N         2         11         13         -         7         7         7         7         7         7         7         7         7         7         7         7 <td< td=""><td>Okla. Tex.</td><td></td><td>-</td><td>525</td><td>-</td><td></td><td></td><td>25 139</td><td></td><td></td><td></td><td></td><td></td><td>-</td><td>58</td><td>-</td></td<>	Okla. Tex.		-	525	-			25 139						-	58	-
Mont.         2         -         -         -         4         2         1         9         -         19         1         -         -         3         10         9         -         9         -         7         16         -         1         8         -         -         -         9         -         7         16         -         1         1         8         -         -         -         1         3         -         2         -         6         6         -         2         6         6         -         2         6         6         -         2         6         6         -         2         6         6         -         2         6         6         -         2         6         6         -         2         6         6         -         4         5         1         2         6         -         2         1         1         -         -         -         1         1         6         5         1         2         1         4         4         2         9         -         4         4         1         2         9         -         4         1	MOUNTAIN		-	113	_	32	19	80	7	241	3	121	229		21	
Wyo         -         -         -         -         1         3         -         2         -         6         6         -         2         6           Colo.         7         -         -         -         -         1         28         1         26         -         45         133         -         2         1           N. Mex.         1         -         88         -         -         -         18         N         N         2         11         13         -         1         -           Ariz.         10         -         -         -         1         1         16         5         180         1         24         29         -         4         4         1         2         29         -         4         4         29         -         4         4         1         2         7         7         7         7         7         7         7         7         7         7         7         7         7         8         -         1         4         1         1         9         8         1         1         9         1         1         1	Mont.	2	-	-	-	- 22		2	1		-	19	1	-	-	3
N.Mex. 1 - 88 8 N N 2 11 13 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Wyo.	-	-	-	-	-	1	3		2		6				8
Ariz: 10 1 1 1 16 5 180 1 24 29 - 4 8 Utah 5 - 25 - 2 - 8 - 11 - 7 31 - 7 7 Nev 6 - 4 - 2 - 4 1  PACIFIC 357 - 586 - 53 221 310 6 454 4 568 135 2 189 294 Wash. 14 - 138 - 15 28 49 1 50 - 314 16 - 1 9 Oreg. 13 10 45 N N - 30 9 - 2 14 Calif. 326 - 289 - 34 179 208 5 367 4 148 103 2 180 269 Alaska 2 7 - 13 - 1 4 - 1 1 4awaii 4 - 159 - 4 2 1 - 24 - 75 3 - 5 1  Guam 1 U 83 U 2 2 1 U 5 U U 2 - P.R. 4 - 121 - 95 4 4 167 - 1 13 3 19 7 VI U - U - 5 - U 5 U U - 2 VI.	Colo.			88	-	6	3					45		-		1
Nev	Ariz.	10	-	-	-		1	16		180		24			4	8
Wash.     14     - 138     - 15     28     49     1     50     - 314     16     - 1     1     9       Oreg.     13     10     45     N     N     - 30     9     - 2     14       Calif.     326     - 289     - 34     179     208     5     367     4     148     103     2     180     269       Alaska     2     - 2     7     - 13     - 1     4     - 1     1     1       Hawaii     4     - 159     - 4     2     1     - 24     - 75     3     - 5     1       Guam     1     U     83     U     2     2     1     U     5     U     U     2     2       P.R.     4     - 121     - 3     9     5     - 4     4     167     - 1     13     3     19     7       VI.     - U     - U     - 5     - U     5     - U     5     - U     - 2     - U     - 2	Utah Nev.	5	-	25	-	2	-						31	-		7
Wash.       14       -       138       -       15       28       49       1       50       -       314       16       -       1       1       9         Oreg.       13       -       -       -       10       45       N       N       -       30       9       -       2       11       80       269       289       -       34       179       208       5       367       4       148       103       2       180       269       269       Alaska       -       -       -       -       -       2       7       -       13       -       1       4       -       1       1       1       1       4       -       1	PACIFIC		-		-						4		135	2	189	294
Calif.     326     -     289     -     34     179     208     5     367     4     148     103     2     180     269       Alaska     -     -     -     -     -     2     7     -     13     -     1     4     -     1     1       Hawaii     4     -     159     -     4     2     1     -     24     -     75     3     -     5     1       Guam     1     U     83     U     2     2     1     U     5     U     -     -     U     2     -       P.R.     4     -     121     -     -     95     4     4     167     -     1     13     3     19     7       VI.     -     U     -     U     -     5     -     U     5     U     -     -     U     -     2	Wash.		-	138		15					-	314	16	-	1	9
Alaska 2 7 - 13 - 1 4 - 1 1 1 Hawaii 4 - 159 - 4 2 1 - 24 - 75 3 - 5 1 Guam 1 U 83 U 2 2 1 U 5 U U 2 - P.R. 4 - 121 95 4 4 167 - 1 13 3 19 7 VI U - U - 2	Oreg. Calif.		-	289	-	34	179			367						14 269
Guam 1 U 83 U 2 2 1 U 5 U U 2 PR. 4 - 121 95 4 4 167 - 1 13 3 19 7 VI U - U - 2	Alaska	4	-	159	-	4		7 1	-			1	4		1	1
PR 4 - 121 95 4 4 167 - 1 13 3 19 7 VI U - U - 5 - U 5 U U - 2		1	U	83	U	2			U			.5		11		'
***	P.R.		-		-	-	95		4	167	-	1	13	3		7
	V.I. Pac. Trust Terr.	-		-		-	-	-		-		-	-		-	2

<sup>\*</sup>For measles only, imported cases includes both out-of-state and international importations.

TABLE III. (Cont'd.) Cases of specified notifiable diseases, United States, weeks ending / November 17, 1984 and November 19, 1983 (46th Week)

Reporting Area   Paramay   Paramay   Secondary   Paramay   Param		Syphilis	(Civilian)	Toxic-	-,		Tula-	Typhoid	Typhus Fever	Rabies,	
UNITED STATES	Reporting Area	(Primary &	Secondary)				remia	Fever	(RMSF)	Aņimal	
NEW ENGLAND  A 67 611		1984		1984				1984	1984		
Maine 9 19 - 28 331 1 12 16 18 18 19 - 28 331 1 12 16 18 18 19 19 - 28 332 1 16 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19		24,436	28,720	6	18,785	20,632	272	331	836 : 1	· 4,802	
NH	NEW ENGLAND Maine			-				19			
Mass. 266 393		14	21	-	26	32		-			
RIL				-	8 312		- 7	16		10	
MID ATLANTIC    1.55	R.I.	19	19		45	56		-	-	-	
Ubstalen NY 256 349 - 544 574 - 12 10 105 NY City 1.984 2.173 - 1.385 1.459 1 177 3 3 - 3.86 NY City 1.984 2.173 - 1.385 1.459 1 177 3 3 36 Pa. State 1.161 1.526 - 2.442 2.792 8 5 52 59 201 Ohio 212 405 - 4.38 438 - 7 39 201 Ohio 212 405 - 4.38 438 - 7 39 201 Ohio 212 405 - 4.38 438 - 7 39 201 Ohio 212 405 - 4.38 438 - 7 39 201 Ohio 212 405 - 4.38 438 - 7 39 201 Ohio 212 405 - 4.38 438 - 7 39 201 Ohio 212 405 - 4.38 438 - 7 39 201 Ohio 212 5 107 - 292 321 - 9 7 21 Ohio 22 0.00 Ohio 328 221 - 554 690 - 7 3 221 Ohio 328 221 - 554 690 - 7 3 221 Ohio 328 221 - 554 690 - 7 3 221 Ohio 328 221 - 554 690 - 7 3 221 Ohio 328 221 - 554 690 - 7 3 3 21 Ohio 328 221 - 554 690 - 7 3 3 21 Ohio 328 221 - 554 690 - 7 3 3 21 Ohio 328 221 - 558 655 81 Ohio 51 68 Ohio 51 68 Ohio 51 690 Ohio 51 5 5 Ohio 51 690 Ohio 51 690 Ohio 51 5 Ohio 51 690 Ohio 51 690 Ohio 51 5 Ohio 51 690 Ohio 51 000 Ohio 51 00				-			-			8	
NY CENTRAL  1.161  1.212  1.323  1.325  1.32	Upstate N.Y.			-		3,656	1				
NJ 581 731 - 756 773 - 17 3 36 Pa 433 484 - 727 850 - 6 11 339 EN CENTRAL 1161 1.526 - 2.442 2.792 8 52 59 201 Ohio 1212 405 - 438 438 - 7 39 24 Ind 125 107 - 292 321 - 9 7 7 39 24 Ind 125 107 - 292 321 - 9 7 7 3 21 Mich 326 221 - 554 690 - 7 3 21 Wis 69 80 - 146 146 - 8 - 63 Wis 69 80 80 - 146 14 14 14 14 14 14 14 14 14 14 14 14 14	N.Y. City	1,984		-			1			105	
EN CENTRAL	N.J. Pa.			-	756 727		-		3		
Ohio 212 405 - 438 438 - 7 39 24 1 1 1 1 1 1 2 1 1 1 1 1 1 1 2 2 1				-							
Ind	Ohio						8				
Mich         326         221         - 554         690         - 7         3         21           Wis         69         80         - 146         146         - 8         - 7         3         21           WN CENTRAL         326         347         - 575         655         81         10         51         688           Mon         11         22         - 58         59         6         138           Mon         165         127         - 289         331         42         5         16         61           S Dak         9         2         - 185         59         6         138           Mon         165         127         - 289         331         42         5         16         61           S Dak         9         2         - 229         3331         42         5         16         61           Nebr         15         15         15         22         29         333         4         42         2         18         49           S ATLANTIC         7,060         7,772         2         3,929         4,104         8         39         390         1			107	-	292	321	-		7	21	
Wis 69 80 - 146 146 - 8 - 63  WN CENTRAL 326 347 - 575 655 81 10 51 688 Minn 84 131 - 100 137 1 3 1 82 lowa 11 22 - 58 59 - 6 138 Mos 165 127 - 289 331 42 5 16 61 S Dak 9 2 111 6 - 5 155 155 S Dak 9 1 1 1 6 - 6 135 Nebr 15 15 - 29 2 17 - 5 182 Kans 41 39 - 66 64 3 2 18 49  S ATLANTIC 7,060 7,772 2 3,929 4,104 8 39 390 1 1,434 Del 19 31 - 50 57 - 1 1 DC 292 337 - 156 168 1 6 6 1 Md 441 472 - 389 328 1 2 29 814 DC 292 337 - 156 168 1 6 6 7 Va 376 522 - 384 444 1 8 51- 196 WV 48 18 25 - 121 124 - 7 7 39 NC 763 772 - 591 641 1 1 77 25 SC 688 494 - 470 387 - 11 79 58 GG 1,059 1,383 - 567 678 4 7 7 47 173 SES CENTRAL 1,787 1,958 - 1,760 1882 6 8 8 89 227 Ky 90 161 - 411 469 - 2 1 14 5 12  ES CENTRAL 1,787 1,958 - 1,760 1882 6 8 8 89 227 Ky 90 161 - 411 469 - 2 18 50 Ky 190 161 - 411 469 - 2 18				-			8				
Minn   84   131   - 1000   137   1   3   1   82   lowa	Wis.			-			-		-		
Town				-							
Mo				-			1	3			
S Dak 1 1 1			127	-	289	331	42	5		61	
Nebr 15 15 15 - 29 21 3 - 5 41 49   SATLANTIC 7,060 7,772 2 3,929 4,104 8 39 390 1,434   Del 19 31 - 50 57 - 1 1 2 1 2   Va 376 522 - 388 444 1 1 8 51 16   Va 376 522 - 384 444 1 1 8 51 17 196   W Va 18 25 - 121 124 - 7 39   NC 763 7,772 - 591 641 1 1 171 25   SC 688 494 - 470 387 - 1 79 58   Ga 1,059 1,383 - 587 678 4 7 7 1 1 79 58   Ga 1,059 1,383 - 587 678 4 7 7 1 1 4 5 123   ES CENTRAL 1,787 1,958 - 1,760 1,862 6 8 89 227   Ky 90 161 - 411 469 - 2 1 18 50   Tenn 460 528 - 510 565 5 2 46 73   Ala 602 758 - 510 565 5 2 46 73   Ala 602 758 - 510 565 5 2 46 73   Ala 602 758 - 510 565 5 2 46 73   Ala 602 758 - 510 565 5 2 46 73   Ala 602 758 - 510 565 5 2 46 73   Ala 602 758 - 510 565 5 2 15 104   Miss 635 511 - 320 360 1 2 10 -  WS CENTRAL 1,787 1,525 - 310 401 7 1 4 55   Okia 188 184 - 212 256 307 83 - 30 98   La 1,073 1,525 - 310 401 7 1 4 55   Okia 188 184 - 212 256 19 461 8 17 46 6 691   MOUNTAIN 572 601 1 509 575 33 13 13 13 270   MOUNTAIN 572 601 1 509 575 33 13 13 13 270   MOUNTAIN 572 601 1 509 575 33 13 13 13 270   MOUNTAIN 572 601 1 509 575 33 13 13 13 270   MOUNTAIN 572 601 1 509 575 33 13 13 13 270   Okia 188 184 - 212 226 19 4 118 97   Tex 4,557 \$.5,15 - 1,449 1,601 8 17 46 6 691   MOUNTAIN 572 601 1 509 575 33 13 13 13 270   Okia 188 184 - 212 266 19 4 3 - 11 1   Anz 210 156 - 232 226 4 3 3 - 11   Anz 210 156 - 232 226 4 3 3 - 11   Anz 210 156 - 232 226 4 3 3 - 11   Anz 210 156 - 232 226 4 3 3 - 11   Anz 210 156 - 232 226 4 3 3 - 11   Anz 210 156 - 232 226 4 3 3 - 11   Anz 210 156 - 232 226 4 3 3 - 45   Okes 133 180 - 174 216 2 3 3 - 3   Okes 104 188 180 - 174 216 2 3 3 - 3   Okes 104 188 180 - 174 216 2 3 3 - 3   Okes 104 189 1   Alawaii 71 71 1 1 195 213 - 5   Okes 104 189 1   Alawaii 71 71 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							35	-	- 5		
S ATLANTIC 7,060 7,772 2 3,929 4,104 8 39 390 1,434 Del 99 31 - 50 57 1 6 6 6 6 6 7 - 1 6 6 6 6 7 1 6 6 6 6 7 1 6 6 6 6 7 1 7 6 6 7 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7		15	15	-	29	21	-	-	5		
Del		41	39	-	66	64	3	2	18	49	
Md         441         472         -         389         328         1         2         29         814           DC         292         337         -         156         168         1         6         -				2			8	39			
DC	Md			-			1	2			
W Va       18       25       121       124       -       -       37       39         NC       763       772       -       591       641       1       1       171       25         SC       688       494       -       470       387       -       1       79       58         GB       1.059       1.383       -       587       678       4       7       47       173         FIB       3.404       3.736       2       1.181       1.277       -       14       5       123         ES CENTRAL       1.787       1.958       -       1.760       1.862       6       8       89       227         Ky       90       161       -       411       469       -       2       18       50         Tenn       460       528       -       510       565       5       2       46       73         Ala       602       758       -       519       468       -       2       118       50         Tenn       460       603       7,396       -       2.221       2,535       117       22       198       9		292	337	=	156	168	i	6	-	-	
NC 763 772 - 591 641 1 1 171 25   SC 688 494 - 470 387 - 1 79 58   Ga 1,059 1,383 - 587 678 4 7 47 173   Fla 3,404 3,736 2 1,181 1,277 - 14 5 123   ES CENTRAL 1,787 1,958 - 1,760 1,862 6 8 89 227   Ky 90 161 - 411 469 - 2 18 50   Tenn 460 528 - 510 565 5 2 46 73   Ala 602 758 - 519 468 - 2 155 104   Miss 635 511 - 320 360 1 2 10 - 1   WS CENTRAL 6,003 7,396 - 2,221 2,535 117 22 198 941   Ark 185 172 - 250 307 83 - 30 98   La 1,073 1,525 - 310 401 7 1 4 55   Okla 188 184 - 212 266 19 4 118 97   Tex 4,557 \$.515 - 1,449 1,601 8 17 46 691    MOUNTAIN 572 601 1 509 575 33 13 13 270   Mont 3 7 1 17 42 3 1 8 117   Myo 4 12 - 4 12 1 - 3 22   Colo 153 138 - 65 85 6 5 1 1 2   Colo 153 138 - 65 85 6 5 1 1   Ariz 210 156 - 232 226 4 3 3 - 31   Colo 153 138 - 65 85 6 5 1 1   Ariz 210 156 - 232 226 4 3 3 - 31   Colo 153 138 - 65 85 6 5 1 1   Ariz 210 156 - 232 226 4 3 3 - 31   Colo 153 138 - 65 85 6 5 1 1   Ariz 210 156 - 232 226 4 3 3 - 31   Colo 153 138 - 65 85 6 5 1 1   Ariz 210 156 - 232 226 4 3 3 - 31   Colo 153 138 - 65 85 6 5 1 1   Ariz 210 156 - 232 226 4 3 3 - 31   Colo 153 138 - 65 85 6 5 1 1   Ariz 210 156 - 232 226 4 3 3 - 31   Colo 153 138 - 65 85 6 5 1 1   Ariz 210 156 - 232 226 4 3 3 - 31   Colo 153 138 - 65 85 6 5 1 1   Ariz 210 156 - 232 226 4 3 3 - 31   Colo 153 138 - 65 85 6 2 1   Colo 153 138 - 65 85 6 2 1   Colo 153 138 - 65 85 6 2 1   Colo 153 138 - 65 85 6 2 1   Colo 153 138 - 65 85 6 2 1   Colo 153 138 - 65 85 6 2 1   Colo 156 - 232 226 4 3 3 - 31   Colo 156 - 232 226 4 3 3 - 31   Colo 156 - 232 226 4 3 3 - 31   Colo 156 - 232 256 4 3 3 - 31   Colo 156 - 232 256 3 - 31   Colo 157 - 31   Colo 158 - 31   Co				-			1	8			
Ga 1.059 1.383 - 589 678 4 7 47 173 Fla 3.404 3.736 2 1.181 1.277 - 14 5 123 ES CENTRAL 1.787 1.958 - 1.760 1.862 6 8 8 99 227 Ky 90 161 - 411 469 - 2 18 50 Tenn 460 528 - 510 565 5 2 46 73 Ala 602 758 - 519 468 - 2 15 104 Miss 635 511 - 320 360 1 2 10 -  W.S. CENTRAL 6.003 7.396 - 2.221 2.535 117 22 198 941 Ark 185 172 - 250 307 83 - 30 98 La 1.073 1.525 - 310 401 7 1 4 55 Okla 188 184 - 212 226 19 4 118 97 Tex 4.557 \$5.515 - 1.449 1.601 8 17 46 661  MOUNTAIN 572 601 1 509 575 33 13 13 270 Mont 3 7 - 17 42 3 1 8 117 Idaho 22 7 1 27 30 8 - 1 11 Wyo. 4 12 - 4 12 1 - 3 22 Colo 153 138 - 65 85 6 5 1 42 Colo 153 138 - 65 85 6 5 1 42 Colo 153 138 - 65 85 6 5 1 42 Colo 153 138 - 65 85 6 5 1 42 Colo 153 138 - 65 85 6 5 1 42 Colo 153 138 - 65 85 6 5 1 42 Colo 153 138 - 65 85 6 5 1 42 Colo 153 138 - 65 85 6 5 1 42 Colo 153 138 - 65 85 6 5 1 42 Colo 153 138 - 65 85 6 5 1 42 Colo 156 - 232 226 4 3 - 45 Colo 157 156 - 232 226 4 3 - 45 Colo 158 133 180 - 174 21 2 3 - 6 Colo 159 133 180 - 174 21 2 3 - 6 Colo 159 133 180 - 174 21 2 3 - 3 Colo 156 - 232 226 4 3 - 45 Colo 157 133 180 - 174 21 2 3 - 6 Colo 158 133 180 - 174 21 2 3 - 6 Colo 158 133 180 - 174 21 2 3 - 3 Colo 156 - 232 226 4 3 - 3 Colo 157 174 216 2 3 - 3 Colo 158 133 180 - 174 216 2 3 - 3 Colo 156 133 180 - 174 216 2 3 - 3 Colo 156 133 180 - 174 216 2 3 - 3 Colo 157 174 216 2 3 - 3 Colo 158 133 180 - 174 216 2 3 - 3 Colo 159 134 15 11 Colif. 3.492 4.380 3 2.803 3.159 7 102 2 503 Alaska 6 12 - 65 71 - 1 1 1 8 Color 134 148 Color 14 129 - 136 164 2 2 1 1 1 Colif. 3.492 4.380 3 2.803 3.159 7 102 2 503 Alaska 6 6 12 - 65 71 - 1 1 1 8 Color 14 14 15 15 15 Color 15 15 15 Color 15 15 15 15 Color 15 15 Color 15 15 15 Color 15 15 15 Color 15 15 15 Color 15 15 15 C	N.C	763	772	-	591	641	1		171	25	
Fia 3,404 3,736 2 1,181 1,277 - 14 5 123  ES CENTRAL 1,787 1,958 - 1,760 1,862 6 8 89 227  Ky 90 161 - 411 469 - 2 18 50  Tenn 460 528 - 510 565 5 2 46 73  Ala 602 758 - 519 468 - 2 15 104  Miss 635 511 - 320 360 1 2 10 -  WS CENTRAL 6,003 7,396 - 2,221 2,535 117 22 198 941  Ark 185 172 - 250 307 83 - 30 98  La 1,073 1,525 - 310 401 7 1 4 55  Okla 188 184 - 212 226 19 4 118 97  Tex 4,557 \$5,515 - 1,449 1,601 8 17 46 6 691  MOUNTAIN 572 601 1 509 575 33 13 13 270  Mont 3 7 - 17 42 3 1 8 117  Wyo. 4 12 - 4 12 1 - 3 22  N Mex 79 160 - 95 101 2 3 - 11  Wyo. 4 12 - 4 12 1 - 3 22  N Mex 79 160 - 95 101 2 3 - 11  Wyo. 4 12 - 4 12 1 - 3 22  N Mex 79 160 - 95 101 2 3 - 11  Ariz 210 156 - 232 226 4 3 - 45  N Mex 79 160 - 95 101 2 3 - 11  Ariz 210 156 - 232 226 4 3 - 45  Uth 18 21 - 34  New 83 100 - 35 42 5 1 116 4 515  Wash 133 180 - 174 216 2 3 - 66  New 83 100 - 35 42 5 1 116 4 515  Wash 133 180 - 174 216 2 3 - 3  Oreg 104 129 - 136 164 2 2 1 1 - 6  New 83 100 - 35 42 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				-			- 1				
Ky         90         161         -         411         469         -         2         18         50           Tenn         460         528         -         510         565         5         2         46         73           Ala         602         758         -         519         468         -         2         110         -           WS         CENTRAL         6,003         7,396         -         2,221         2,535         117         22         198         941           Ark         185         172         -         250         307         83         -         30         98           La         1,073         1,525         -         310         401         7         1         4         55           Okla         188         184         -         212         226         19         4         118         97           Tex         4,557         5,515         -         1,449         1,601         8         17         46 / 591           MOUNTAIN         572         601         1         509         575         33         13         13         270	Fla.	3,404		2			-				
Tenn         460         528         -         510         565         5         2         46         73           Ala         602         758         -         519         468         -         2         15         104           Miss         635         511         -         319         468         -         2         15         104           Miss         635         511         -         320         360         1         2         10         -           WS. CENTRAL         6,003         7,396         -         2,221         2,535         117         22         198         941           Ark         1,85         172         -         250         307         83         -         30         98           La         1,073         1,525         -         310         401         7         1         4         55           Okla         188         184         -         212         226         19         4         118         97           Tex         4,557         \$5.515         -         1,449         1,601         8         17         46 ∫         691	E.S. CENTRAL					1,862	6	8			
Ala 602 758 - 519 468 - 2 15 104 Miss 635 511 - 320 360 1 2 10 -   W S. CENTRAL 6.003 7.396 - 2.221 2.535 117 22 198 941 Ark 185 172 - 250 307 83 - 30 98 La 1.073 1.525 - 310 401 7 1 4 55 Okla 188 184 - 212 226 19 4 118 97 Tex 4.557 \$.5.15 - 1.449 1.601 8 17 46 / 691 MOUNTAIN 572 601 1 509 575 33 13 13 270 Mont 3 7 - 17 42 3 1 8 117 idaho 22 7 1 1 27 30 8 - 1 1 11 Wyo. 4 12 - 4 12 1 - 3 22 Colo 153 138 - 65 85 6 5 1 42 N Mex 79 160 - 95 101 2 3 - 11 Ariz 210 156 - 232 226 4 3 - 45 Utah 18 18 21 - 34 20 Utah 18 21 - 34 50 Wish 18 21 - 34 37 4 - 6 6 Nev. 83 100 - 35 42 5 1 11 16 PACIFIC 3.806 4.772 3 3.373 3.823 11 16 4 515 Wish 133 180 - 174 216 2 3 - 3 0 Oreg. 104 129 - 136 164 2 2 1 1 - 6 6 Nev. 83 100 - 35 42 5 1 11 16 PACIFIC 3.806 4.772 3 3.373 3.823 11 16 4 515 Wish 133 180 - 174 216 2 3 - 3 0 Oreg. 104 129 - 136 164 2 2 1 1 1 Calif. 3.492 4.380 3 2.803 3.159 7 102 2 503 Alaska 6 12 - 65 5 1 1 - 16 Oreg. 104 129 - 136 164 2 2 1 1 1 Calif. 3.492 4.380 3 2.803 3.159 7 102 2 503 Alaska 6 12 - 65 71 - 195 213 - 8 - 5 8 Oreg. 104 129 - 136 164 2 2 1 1 1 Calif. 3.492 4.380 3 2.803 3.159 7 102 2 503 Alaska 6 12 - 65 71 - 195 213 - 8 - 5 8 Oreg. 104 129 - 136 143 422 - 5 5 - 5 8 Oreg. 104 129 - 5 5 - 5 8 Or	Tenn			-			- 5				
W S CENTRAL 6.003 7.396 - 2.221 2.535 117 22 198 941 Ark 185 172 - 250 307 83 - 30 98 La 1.073 1.525 - 310 401 7 1 4 55 Okla 188 184 - 212 226 19 4 118 97 Tex 4.557 5.515 - 1.449 1.601 8 17 46 691  MOUNTAIN 572 601 1 509 575 33 13 13 270 Mont. 3 7 - 17 42 3 1 8 117 Wyo. 4 12 - 4 12 1 - 3 22 Colo. 153 138 - 65 85 6 5 1 42 N Mex 79 160 - 95 101 2 3 - 11 Arz 2 10 156 - 232 226 4 3 - 11 Arz 210 156 - 232 226 4 3 - 45 Utah 18 21 - 34 37 45 65 Nev. 83 100 - 35 42 5 1 66  PACIFIC 3.806 4.772 3 3.373 3.823 11 116 4 515 Wash 133 180 - 174 216 2 3 - 3 - 16 Nev. 83 100 - 35 42 5 1 11 11 8 PACIFIC 3.806 4.772 3 3.373 3.823 11 116 4 515 Wash 133 180 - 174 216 2 3 - 3 0reg. 104 129 - 136 164 2 2 1 1 1 1 8 Bawaii 71 71 71 - 195 213 - 8 - 58  Cuam - 1 - 1 - 10 - 58  Cuam - 1 - 1 - 10 - 58  Cuam - 1 - 1 - 10 - 58  Cuam - 1 - 1 - 10 - 58  Cuam - 1 - 1 - 10 - 58  Cuam - 1 - 10 - 7 - 17 - 195 213 - 2 - 58  VI. 1 - 10 - 17 - 10 - 3 - 2 - 58  VI. 1 - 10 - 17 - 10 - 3 - 2 - 58  VI. 1 - 10 - 17 - 10 - 3 - 2 - 58  VI. 1 - 10 - 17 - 10 - 3 - 2 - 58  VI. 1 - 10 - 17 - 10 - 3 - 2 - 58  VI. 1 - 10 - 17 - 10 - 3 - 2 - 3 - 58  VI. 1 - 10 - 17 - 10 - 3 - 2 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3	Ala.	602	758	-	519	468	-	2	15		
Ark       185       172       -       250       307       83       -       30       98         La       1,073       1,525       -       310       401       7       1       4       55         Okla       188       184       -       212       226       19       4       118       97         Tex       4,557       \$5,515       -       1,449       1,601       8       17       46   691         MOUNTAIN       572       601       1       509       575       33       13       13       270         Mont       3       7       -       17       42       3       1       8       117         Idaho       22       7       1       27       30       8       -       1       11         Wyo       4       12       -       4       12       1       -       3       220         Colo       153       138       -       65       85       6       5       1       42         Nex       79       160       -       95       101       2       3       -       11         Ariz					320	360	1	2	10	-	
La 1.073 1.525 - 310 307 63 - 30 95 60 1 188 184 - 212 226 19 4 118 97 7 6x 4.557 \$5.515 - 1.449 1.601 8 17 46 691 691 691 691 691 691 691 691 691 69	W.S. CENTRAL Ark.		7,396	-	2,221	2,535		22			
Okla         188         184         -         212         226         19         4         118         97           Tex         4.557         \$.515         -         1.449         1.601         8         17         46 / 691           MOUNTAIN         572         601         1         509         575         33         13         13         270           Mont         3         7         -         17         42         3         1         8         117           Idaho         22         7         1         27         30         8         -         1         11           Wyo         4         12         -         4         12         1         -         3         22           Colo         153         138         -         65         85         6         5         1         42           Nex         79         160         -         95         101         2         3         -         11           Ariz         210         156         -         232         226         6         4         3         -         45           Utah         18	La	1,073	1,525		310		83 7	1	4	55	
MOUNTAIN         572         601         1         509         575         33         13         13         270           Mont         3         7         -         17         42         3         1         8         117           Idaho         22         7         1         27         30         8         -         1         11           Wyo         4         12         -         4         12         1         -         3         22           Colo         153         138         -         65         85         6         5         1         42           N Mex         79         160         -         95         101         2         3         -         11           Arz         210         156         -         232         226         4         3         -         45           Utah         18         21         -         34         37         4         -         -         6           Nev.         83         100         -         35         42         5         1         -         16           PACIFIC         3.806         4.772<				-		226			118	97	
Mont         3         7         1         17         42         3         1         8         117           Idaho         22         7         1         27         30         8         -         1         111           Wyo.         4         12         -         4         12         1         -         3         22           Colo.         153         138         -         65         85         6         5         1         42           N Mex.         79         160         -         95         101         2         3         -         11           Ariz.         210         156         -         232         226         4         3         -         45           Uth         18         21         -         34         37         4         -         -         6           Nev.         83         100         -         35         42         5         1         -         16           PACIFIC         3.806         4.772         3         3.373         3.823         11         116         4         515           Wash         133 <th< td=""><td></td><td></td><td></td><td>•</td><td></td><td></td><td></td><td></td><td></td><td></td></th<>				•							
Idaho	Mont.			-							
Colo.       153       138       -       65       85       6       5       1       42         N Mex.       79       160       -       95       101       2       3       -       11         Ariz.       210       156       -       232       226       4       3       -       45         Utah       18       21       -       34       37       4       -       -       6       6         Nev.       83       100       -       35       42       5       1       -       16         PACIFIC       3.806       4.772       3       3,373       3,823       11       116       4       515         Wash       133       180       -       174       216       2       3       -       3         Wash       133       180       -       174       216       2       3       -       3       3         Oreg.       104       129       -       136       164       2       2       1       1       1         Calif       3.492       4.380       3       2,803       3,159       7       102	Idaho			1		30			1	11	
N Mex. 79 160 - 95 101 2 3 - 11 Ariz 210 156 - 232 226 4 3 - 45 Utah 18 21 - 34 37 4 - 6 6 Nev. 83 100 - 35 42 5 1 - 16 PACIFIC 3,806 4,772 3 3,373 3,823 11 116 4 515 Wash 133 180 - 174 216 2 3 - 3 0reg. 104 129 - 136 164 2 2 1 1 1 Calif. 3,492 4,380 3 2,803 3,159 7 102 2 503 Alaska 6 12 - 65 71 - 1 1 1 8 Hawaii 71 71 - 195 213 - 8 - 5 Guam -	Colo.			-							
Utah     18     21     -     34     37     4     -     -     6       Nev.     83     100     -     35     42     5     1     -     16       PACIFIC     3.806     4.772     3     3.373     3.823     11     116     4     515       Wash     133     180     -     174     216     2     3     -     3       Oreg     104     129     -     136     164     2     2     1     1       Calif.     3.492     4.380     3     2.803     3,159     7     102     2     503       Alaska     6     12     -     65     71     -     1     1     1     8       Hawaii     71     71     -     195     213     -     8     -     -       Guam     -     -     U     5     7     -     -     -     -     -       VI.     10     17     U     3     2     2     3     -     -     -     5     -     58	N. Mex.	79		-	95	101	2	3	:	11	
Nev.     83     100     -     35     42     5     1     -     16       PACIFIC     3.806     4.772     3     3.373     3.823     11     116     4     515       Wash     133     180     -     174     216     2     3     -     3     -       Oreg     104     129     -     136     164     2     2     1     1       Calif.     3.492     4.380     3     2.803     3.159     7     102     2     503       Alaska     6     12     -     65     71     -     1     1     1     8     -     -       Hawaii     71     71     -     195     213     -     8     -     -     -       Guem     -     -     U     5     7     -     -     -     -     -       P.R.     690     864     -     343     422     -     5     -     58       VI.     10     17     U     3     2     -     3     -     -     -     -				-				3	-		
Wash     133     180     -     174     216     2     3     -     3       Oreg.     104     129     -     136     164     2     2     1     1       Calif.     3.492     4.380     3     2.803     3.159     7     102     2     503       Alaska     6     12     -     65     71     -     1     1     8       Hawaii     71     71     -     195     213     -     8     -     -       Guam     -     -     U     5     7     -     -     -     5       VI.     10     17     U     3     3     2     -     5     -     58       VI.     10     17     U     3     2     -     3     -     -	Nev.		100					ī	-		
Oreg     104     129     -     136     164     2     2     1     1       Calif.     3.492     4.380     3     2,803     3,159     7     102     2     503       Alaska     6     12     -     65     71     -     1     1     1     8       Hawaii     71     71     -     195     213     -     8     -     -       Guam     -     -     U     5     7     -     -     -     -     5       P.R.     690     864     -     343     422     -     5     -     58       VI.     10     17     U     3     2     -     3     -     -	PACIFIC			3		3,823	11	116	4		
Calif. 3.492 4.380 3 2.803 3.159 7 102 2 503 Alaska 6 12 - 65 71 - 1 1 8 Hawaii 71 71 - 195 213 - 8  Guam U 5 7  PR. 690 864 - 343 422 - 5 - 58 VI. 10 17 U 3 2 - 3		133		-							
Alaska 6 12 - 65 71 - 1 1 8 Hawaii 71 71 - 195 213 - 8 Guam U 5 7	Calif.	3,492	4,380	3							
Guam U 5 7	Alaska Hawaii			-	65	71		1			
P.R. 690 864 - 343 422 - 5 - 58 VI. 10 17 U 3 2 - 3		_		11			-	0	-	-	
VI. 10 17 U 3 2 - 3	P.R.			-			:	5		58	
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U: Unavailable

TABLE IV. Deaths in 121 U.S. cities,\* week ending November 17, 1984 (46th Week Ending)

Reporting Area   Ages   365					Nove	mbe	17	, 198	4 (46th Week	citating/						
Reporting Area   Ages   365		All Causes, By Age (Years)							All Causes, By Age (Years)							
Boston, Mass 175 103 45 10 7 10 26 Amorphomy Common Solution Solut	Reporting Area		≥65	45-64	25-44	1-24	<1		Reporting Area		≥65	45-64	25-44	1-24	<1	P&I** Total
Boston, Mass	NEW ENGLAND	687	475	147	31	16	18	63		1,128	681	269	73	44	61	45
Cambridge, Mass 36 27 88 4 4 Harflord, Com. 58 34 17 32 4 5 4 Harflord, Com. 58 34 17 3 2 3 1 Margher, Com. 58 34 17 3 2 3 1 Margher, Com. 58 34 17 3 2 3 1 Margher, Com. 58 34 17 3 2 3 1 Margher, Com. 58 34 17 3 2 3 1 Margher, Com. 58 34 17 3 2 3 1 Margher, Com. 58 34 17 3 2 3 1 Margher, Com. 44 28 11 3 2 2 1 Margher, Com. 44 28 11 3 2 2 1 Margher, Com. 44 28 11 3 2 2 1 Margher, Com. 44 28 11 3 2 2 1 Margher, Com. 44 28 11 3 2 2 1 Margher, Com. 44 28 11 3 2 2 1 Margher, Com. 45 28 11 - 1 1 1 4 Margher, Com. 45 28 11 - 1 1 1 1 4 Margher, Com. 46 28 11 1 3 2 2 1 Margher, Com. 47 28 18 18 14 1 - 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		175	103		10	7								2	5	-
Fail flux Mass	Bridgeport, Conn.				2	-	-									9
Hartford, Com					-	-	-									3
Lowell, Mass 28 21 1 4 2 2 - 1 3 3 Norfolk, Va 66 21 10 5 2 8 8 New Berlford, Mass 121 15 4 1 1 - 2 - 1 1					-	-	-	1						3		8 4
Lynn, Mass. 21					3	,		2						2		4
New Bedford, Mass. 17						1		-	Richmond, Va.				2			3
Providence, RI.   59   43   10   4   1   1   4   Tampe, Fis.   55   38   13   5   6   3   2   9   5   2   9	New Bedford, Mass		13	3		-	-	-						-	1	5
Somerylie, Mass							-	2								2
Springfield, Mass   58				10	4	1	1	4						6		4
Waterbury, Conn.   39   32   33   3   1   2   5	Somerville, Mass			11	-	-		-								3
Worcester, Mass.   66   50   10   2   2   2   8   E.S. CENTRAL   638   416   145   46   19   12									willington, Dei.	31	21	5	'	'	3	-
MID ATLANTIC 2,682 1,779 563 198 64 74 123 Albany, NY 55 38 14 1 - 2 - 1 - 1 - 2 - 1 - 2 - 1 - 2 - 1 - 2 - 1 - 2 - 1 - 2 - 1 - 2 - 1 - 2 - 1 - 2 - 1 - 2 - 2									E.S. CENTRAL	638	416	145	46	19	12	37
MID ATLANTIC 2,682 1,779 563 198 64 74 123 Chattanoga, Tenn. 61 36 19 6 Albary, NY 55 38 14 1 - 2 - 5 - 5 - 1 Chounty 15 18 14 4 1 Chounty 15 18 14 4 1 Chounty 15 18 14 4 1 Chounty 15 18 14 1 4 1 Chounty 15 18 18 14 1 1 2 2 - 1 Chounty 15 18 18 14 1 1 2 - 2 - 1 Chounty 15 18 18 14 1 1 2 - 1 1 18 18 19 17 18 18 19 17 3 1 2 1 18 18 19 18 18 18 18 18 18 18 18 18 18 18 18 18		•	•		-	-	-		Birmingham, Ala.							1
Allentown, Pa	MID. ATLANTIC	2,682	1,779	563	198	64	74	123		. 61	36	19	6	-	-	6
Buffalo, N.Y.   128   889   29   5   3   2   9   8   27   32   3   2   9   8   27   32   3   3   2   9   8   28   7   7   3   3   4   3   3   7   2   3   3   3   3   3   3   3   3   3	Albany, N.Y.				1	-	2	-								3
Elizabeth, N.J. 38 23 13 22 - 3 3 Montgomery, Ala. 38 24 6 6 6 3 Jersey City, N.J. 51 31 13 6 1 - 1 N.Y. City, N.Y. 1.463 946 300 129 44 44 64 64 N.Y. City, N.Y. 1.463 946 300 129 44 44 64 64 N.Y. City, N.Y. 1.463 946 300 129 44 44 64 64 N.Y. City, N.Y. 1.463 946 300 129 44 44 64 64 N.Y. City, N.Y. 1.463 946 300 129 44 44 64 64 N.Y. City, N.Y. 1.463 94 18 2 2 1 7 10 13 N.Y. City, N.Y. 1.463 94 18 2 2 1 7 10 13 N.Y. City, N.Y. 1.463 94 18 2 2 1 7 10 13 N.Y. City, N.Y. 1.463 94 18 2 2 1 7 10 13 N.Y. City, N.Y. 1.463 94 18 2 1 - 1 12 N.Y. City, N.Y. 1.463 94 18 18 18 18 18 N.Y. 19 N.Y. 1.463 94 18 18 18 18 N.Y. 19 N.Y. 1.463 94 18 18 18 N.Y. 19 N.Y. 1.463 94 18 N.Y. 19					Ē		-	-					8	3		3
Elizabeth, N.J. 38 23 13 22 - 3 3 Montgomery, Ala. 38 24 6 6 6 3 Jersey City, N.J. 51 31 13 6 1 - 1 N.Y. City, N.Y. 1.463 946 300 129 44 44 64 64 N.Y. City, N.Y. 1.463 946 300 129 44 44 64 64 N.Y. City, N.Y. 1.463 946 300 129 44 44 64 64 N.Y. City, N.Y. 1.463 946 300 129 44 44 64 64 N.Y. City, N.Y. 1.463 946 300 129 44 44 64 64 N.Y. City, N.Y. 1.463 94 18 2 2 1 7 10 13 N.Y. City, N.Y. 1.463 94 18 2 2 1 7 10 13 N.Y. City, N.Y. 1.463 94 18 2 2 1 7 10 13 N.Y. City, N.Y. 1.463 94 18 2 2 1 7 10 13 N.Y. City, N.Y. 1.463 94 18 2 1 - 1 12 N.Y. City, N.Y. 1.463 94 18 18 18 18 18 N.Y. 19 N.Y. 1.463 94 18 18 18 18 N.Y. 19 N.Y. 1.463 94 18 18 18 N.Y. 19 N.Y. 1.463 94 18 N.Y. 19					5	3									-	13 3
Eine, Part 38 28 7 - 3 3 - 5 Nashwille, Tenn 120 76 26 9 6 3   NY, City, N.Y. 1 51 31 13 6 1 - 1   NY, City, N.Y. 1 463 946 300 129 44 44 64   NY, City, N.Y. 1 463 946 300 129 44 44 64   Newark, N.J. 80 42 24 8 - 3 5 5   Paterson, N.J. 25 18 42 2 - 1 1   Paterson, N.J. 25 18 42 2 - 1 1   Paterson, N.J. 30 103 20 7 10 13   Rochester, N.Y. 133 103 20 7 1 2 8   Rochester, N.Y. 133 103 20 7 1 2 8   Rochester, N.Y. 133 103 20 7 1 2 8   Rochester, N.Y. 133 103 20 7 1 2 8   Rochester, N.Y. 136 23 2 1 1 - 1   Rochester, N.Y. 136 23 2 1 1 - 1   Rochester, N.Y. 136 23 2 1 1 - 1   Rochester, N.Y. 136 23 2 1 1 - 1   Rochester, N.Y. 136 22 8 6 2 2 1 1 1   Rochester, N.Y. 136 22 8 6 2 2 1 1 1   Rochester, N.Y. 137 108 2 2 1 1 4   Rochester, N.Y. 138 103 20 7 1 2 8   Rochester, N.Y. 138 103 20 7 1 2 8   Rochester, N.Y. 138 103 20 7 1 2 8   Rochester, N.Y. 138 103 20 7 1 2 8   Rochester, N.Y. 138 103 20 7 1 2 8   Rochester, N.Y. 138 103 20 7 1 2 8   Rochester, N.Y. 138 103 20 7 1 2 8   Rochester, N.Y. 138 103 20 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					2	2	4	3						4	2	1
Jersey City, N.J.   51					-	3								6		7
Newark, N.J. 25 18 4 2 24 8 3 3 5 Austin, Tex. \$ 50 45 6 3 3 5 Austin, Tex. \$ 50 45 6 7 7 8 8 Austin, Tex. \$ 50 45 7 7 8 9 Austin, Tex. \$ 50 45 7 9 Austin, Tex. \$ 50 47 9 Austin, Tex. \$ 50 45 7 9 Austin, Tex. \$ 50 47 9 Austin, Tex. \$ 50 47 9 Austin, Tex. \$ 50 40 Austin, Tex. \$ 50 47 9 Austin, Tex. \$ 50 40 Austin, Tex. \$ 50 Austin, Tex. \$ 5	Jersey City, N.J.	51	31	13	6		-								_	
Paterson, N.J.   25						44						265	109		47	44
Philadelphia, Pa t 297 187 72 21 7 10 13 17 10 13 17 12 2 1 1 4 18 11 18 12 2 1 1 4 10 1 1 1 1 18 12 12 1 1 4 18 12 12 1 1 4 18 12 12 1 1 18 12 12 1 1 4 18 12 12 1 1 18 12 12 1 1 18 12 12 1 1 18 12 12 1 1 18 12 12 1 1 18 12 12 1 1 18 12 12 1 1 18 12 12 1 1 18 12 12 1 1 18 12 12 1 1 18 12 12 1 1 18 12 12 1 1 18 12 12 1 1 18 12 12 1 1 18 12 12 1 1 18 12 12 1 1 18 12 12 1 1 18 12 12 1 1 18 12 12 1 1 1 1						-		5				-		3	-	5
Pittsburgh, Pa f   55						-			Corpus Christi, Tox	34						3
Reading Pa						,	10		Dallas Tay							8
Rochester, N.Y.   133   103   20   7   1   2   8   Fort Worth, Tex   91   55   18   9   4   5   5   5   5   6   2   2   1   1   1   1   1   1   1   1	Reading Pa						1									1
Schenectady, N.Y. 26						1			Fort Worth, Tex.					4		7
Syracuse, N.Y.   96   68   20   3   1   4   1   1   New Orleans, La   80   44   20   10   5   1	Schenectady, N.Y.	26	23	2		-	-					80	42	14	10	3
Trenton, N.J. 366 23 9 4 4 - 1 1 5 San Antonio, Tex. 136 80 36 11 3 6 6 Utica, N.Y. 19 1 66 2 1 - 1 1 Yonkers, N.Y. 26 22 3 1 1 1 1 Tulsa, Okla 66 38 119 6 - 3 3									Little Rock, Ark							2
Discription   Transfer   Transf						1	4									
Vonkers, N.Y.   26   22   3						-	-							3		10
Akron, Ohio 77 49 21 4 2 1 - Canton, Ohio 40 31 7 1 1 1 - 2 2 Colo. Springs, Colo. 46 27 11 4 2 1 Chicago, Ill § 458 411 5 8 12 13 12 13 12 Chicago, Ill § 458 411 5 8 12 13 12 13 12 Chicago, Ill § 458 411 5 8 12 13 12 13 12 Chicago, Ill § 458 411 5 8 12 13 12 13 12 Chicago, Ill § 458 411 5 8 12 13 12 13 12 Chicago, Ill § 458 411 5 8 12 13 12 13 12 Chicago, Ill § 458 411 5 8 12 13 12 13 12 Chicago, Ill § 458 411 5 8 12 13 12 13 12 Chicago, Ill § 458 411 5 8 12 13 12 13 12 Chicago, Ill § 458 411 5 8 12 13 12 13 12 Chicago, Ill § 458 411 5 8 12 13 12 13 12 Chicago, Ill § 458 411 12 13 13 12 13 13 12 13 13 13 13 13 13 13 13 13 13 13 13 13						-	-									4
Canton, Ohio 40 31 7 1 1 2 2 Colo Springs, Colo 46 27 11 4 2 2 1 Chicago, III § 458 411 5 8 12 13 12 Chicago, III § 458 411 5 8 12 13 12 Chicago, III § 458 411 5 8 12 13 12 Chicago, III § 458 411 5 8 12 13 12 Chicago, III § 458 411 5 8 12 13 12 Chicago, III § 458 411 5 8 12 13 12 Chicago, III § 458 411 5 8 12 13 12 Chicago, III § 458 411 5 8 12 13 12 Chicago, III § 458 411 5 8 12 13 12 Chicago, III § 458 411 5 8 12 13 12 Chicago, III § 458 42 12 2 5 4 Chicago, III § 458 48 19 7 4 7 7 9 Pueblo, Colio 112 72 22 9 9 4 5 5 12 Chicago, III § 458 48 19 7 4 7 7 9 Pueblo, Colio 112 72 22 9 9 4 5 5 12 Chicago, III § 458 48 19 7 4 7 7 9 Pueblo, Colio 25 5 1 1 6 Chicago, III § 458 49 18 8 8 Chicago, III § 458 41 8 8 8 Chicago, III §		2,145	1,536	353	126	44	77	82				130	46	22	30	36
Chicago, Ill § 458 411 5 8 8 12 13 12 Chicago, Ill § 458 411 5 8 8 12 13 12 Chicago, Ill § 458 411 101 40 104 26 5 1 1 4 8 Chicago, Ill § 458 411 101 40 104 26 5 1 1 4 8 Chicago, Ill § 458 42 12 2 5 5 4 9 Chicago, Chica							1	-	Albuquerque, N.M.	ex 89						4
Cincinati, Orio   140   104   26   5   1   4   8   Cleveland, Orio   156   95   42   12   2   5   4   9   Ogden, Utah   23   18   3   - 1   1   1   1   1   1   1   1   1									Colo. Springs, Colo	. 46						7
Cleveland, Ohio   156   95   42   12   2   5   4   Ogden Utah   23   18   3   - 1   1   1   1   1   1   1   1   1																7
Columbus, Ohio   85   48   19   7   4   7   9   Property   7   4   7   9   Property   7   7   7   7   7   7   7   7   7																3
Dayton, Ohio   96   55   30   7   - 4   2   Pueblo, Colo   25   5   1	Columbus, Ohio						7		Phoenix, Ariz.							2
Detroit, Mich   283   167   49   41   8   18   8   Evansville, Ind   42   33   8   6   4   4   4   42   33   8   6   4   4   4   4   4   4   4   4   4	Dayton, Ohio		55							25			-	-		2
Fort Wayne, Ind. 51 45 3 2 - 1 6 Gary, Ind. 10 5 3 1 1 5 Grand Rapids, Mich. 46 32 9 2 - 3 1 1 Indianapolis, Ind. 170 113 29 15 6 7 2 Indianapolis, Ind. 170 113 29 15 6 7 2 Milwaukee, Wis. 153 111 33 3 3 3 3 3 3 3 3 3 3 3 3 3 3						8	18									-
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<sup>\*</sup> 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.

<sup>\*\*</sup> Pneumonia and influenza

<sup>†</sup> 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.

†† Total includes unknown ages.

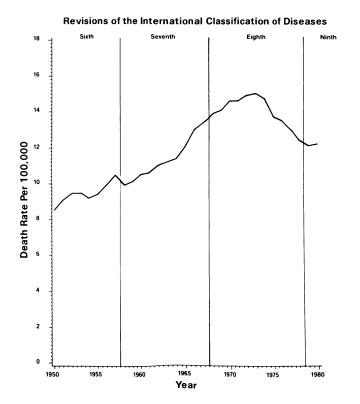
<sup>§</sup> Data not available. Figures are estimates based on average of past 4 weeks.

# Reported Cirrhosis Mortality — United States, 1970-1980

According to mortality data from the National Center for Health Statistics (NCHS), from 1970 through 1980,\* 19,325,506 people died in the United States. Of these deaths, 347,023 were attributed to liver cirrhosis.<sup>†</sup> Alcohol was mentioned as a contributing factor on an average of 40% of all death certificates that reported liver cirrhosis as the underlying cause of death. However, many experts estimate that alcohol abuse is associated with 90%-95% of cirrhosis deaths, and they use cirrhosis mortality as an indicator of abusive alcohol consumption patterns (1).

Cirrhosis mortality in the United States increased steadily following the end of Prohibition (1933) until 1973, when the age-adjusted rate of death peaked at 15.0 per 100,000 population (Figure 2). A steady decrease ensued until 1979, when the age-adjusted mortality rate dropped to 12.1/100,000. However, in 1980, the age-adjusted rates increased slightly. These recent patterns in cirrhosis mortality parallel those of the U.S. age-adjusted death rates

FIGURE 2. Age-adjusted death rates from liver cirrhosis — United States, 1950-1980



<sup>\*</sup>The last year for which complete mortality data and census population figures were available.

<sup>†</sup>International Classification of Diseases, 8-rubric (ICD-8), and International Classification of Diseases, 9-rubric (ICD-9).

<sup>§</sup>ICD 8-rubric 571.0; ICD 9-rubric 571.0, 571.1, 571.2, and 571.3.

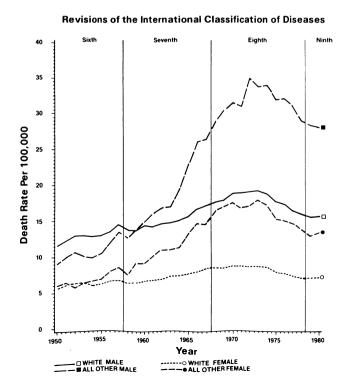
### Cirrhosis - Continued

from all causes, which declined by approximately 6.5% from 1973 to 1979 and rose 1.7% between 1979 and 1980.

Since 1950, four International Classification of Diseases' schemes have been used to codify cirrhosis deaths. In each revision, liver cirrhosis deaths were classified either as specifically alcohol-related or not specified. Although both categories contributed in the rising mortality trends during the 1950s and 1960s, it is clear that each component of cirrhosis mortality has not contributed equally proportionately to the overall decline beginning in 1973. The crude mortality rate associated with the category of cirrhosis without mention of alcohol declined 20% between 1973 (9.8/100,000) and 1980 (7.8/100,000). The crude rates for alcohol-related cirrhosis mortality have remained relatively stable during the same period. The rate of alcohol-related cirrhosis in 1980 was 5.7/100,000, a reduction of only 5% since 1973

Rates of death from cirrhosis have been consistently greater for males than for females, regardless of race, since the advent of death registration in 1900. Between 1950 and 1980, the age-adjusted rates for males have often exceeded those for females by 50%. The most dramatic change in cirrhosis mortality since 1950 occurred among nonwhite males, whose rate increased fourfold between 1950 and 1973 (Figure 3). Age-adjusted death rates for nonwhite females, white males, and white females also rose during this same period but not as sharply. Even though mortality from liver cirrhosis has consistently declined since 1973, rates

FIGURE 3. Age-adjusted death rates from liver cirrhosis, by race and sex - United States, 1950-1980



# Cirrhosis - Continued

among nonwhite males remain substantially higher than levels of the three other race-sex groups. Consistent with overall age-adjusted cirrhosis death rates, cirrhosis mortality in each race-sex group suggests a general pattern of stabilization after 1979.

Statistics for the 10% sample of mortality reported by NCHS for 1981-1983, however, appear to indicate a further decline in liver cirrhosis mortality (2,3) rather than stabilization. The overall age-adjusted death rates from cirrhosis were 11.4/100,000, 10.4/100,000, and 10.4/100,000 based on the mortality sample for 1981, 1982, and 1983, respectively. This compared with 12.1/100,000 in 1979 and 12.2/100,000 in 1980. This comparison must, however, be viewed with caution. First, estimates from the 10% sample may differ from the final mortality statistics. In addition, unlike those for 1950 through 1980, the population figures used in calculating rates for 1981-1983 are based on postcensal extrapolation rather than intercensal estimation. At this time, it is too soon to determine whether the decline of liver cirrhosis mortality in the current decade will continue.

Reported by BF Grant, PhD, SS Aitken, Alcohol Epidemiologic Data System, CSR, Incorporated, Washington, DC; J Noble, H Malin, National Institute on Alcohol Abuse and Alcoholism, Div of Biometry and Epidemiology; Div of Surveillance and Epidemiologic Studies, Epidemiology Program Office, CDC.

**Editorial Note:** Recent literature has included several reports of the decline in cirrhosis mortality (4,5). Since overall cirrhosis mortality is declining, the more rapid decline in cirrhosis deaths without mention of alcohol may reflect a true decrease in cirrhosis deaths from causes other than alcohol. It may also reflect a greater willingness on the part of physicians to designate such deaths as alcohol-related. This would accelerate a decrease in rate from this cause, while decelerating the decline in alcohol-related mortality.

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# Notice to Readers

# Abstract Deadline for International Conference on Acquired Immunodeficiency Syndrome (AIDS)

December 10, 1984, is the deadline for receipt of abstracts to be considered for presentation at the International Conference on Acquired Immunodeficiency Syndrome (AIDS), which will be held in Atlanta, Georgia, at the Georgia World Congress Center on April 14-17, 1985. This conference will be sponsored by CDC, the Alcohol, Drug Abuse, and Mental

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### AIDS - Continued

Health Administration, the Food and Drug Administration, the Health Resources and Services Administration, the National Institutes of Health, and the World Health Organization in cooperation with Emory University School of Medicine and Morehouse School of Medicine, Inquiries related to the conference and the submission of abstracts should be directed to:

> AIDS Conference Office Centers for Disease Control Building 1, Room 2047 Atlanta, Georgia 30333 (404) 321-2290 or FTS 236-2290

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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 Weekly Report, Centers for Disease Control, Atlanta, Georgia 30333.

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