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CENTER FOR DISEASE CONTROL

MMWR

MORBIDITY AND MORTALITY WEEKLY REPORT

ANNUAL SUMMARY 1978



Reported Morbidity & Mortality
in the United States

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FOREWORD
TABLE OF CONTENTS

This volume contains final figures on the reported occurrence of notifiable diseases for 1978 as well as reported data on non-notifiable conditions of special interest.

Foreword	iii
Historical Development of National Morbidity Reporting and Surveillance in the United States	v
Sources of Data	vii
SECTION 1 — Summary of Notifiable Diseases in the United States	1
Reported Cases by Year, 1969-1978	3
Reported Case Rates by Year, 1969-1978	4
Reported Deaths by Year, 1968-1977	5
Reported Cases by Month, 1978	6
Reported Cases by Age, 1978	7
Reported Cases by Geographic Division and by State, 1978	8
SECTION 2 — Additional Analysis of Notifiable Diseases in the United States	15
(Statistical tables, graphs, maps, and narratives for each of 36 notifiable conditions are grouped in alphabetical order in this section.)	
SECTION 3 — Conditions of Special Interest	75
Cases Optionally Reported by Certain States, 1978	77
Deaths from Selected Acute Conditions by Year, 1968-1977	79
Abortion	81
Lead Poisoning	84
Pneumonia and Influenza (Deaths in 121 Selected Cities)	88
Reye Syndrome	92
Index	93
State Epidemiologists	Inside Back Cover

iii	Foreword
iv	Statistical Development of National Morbidity Reporting and Surveillance in the United States
v	Tables of Data
vi	SECTION 1 - Summary of Notifiable Diseases in the United States
1	Reported Cases by Year, 1968-1978
2	Reported Case Rates by Year, 1968-1978
3	Reported Deaths by Year, 1968-1977
4	Reported Cases by Month, 1978
5	Reported Cases by Age, 1978
6	Reported Cases by Geographic Division and by State, 1978
7	SECTION 2 - Additional Analysis of Notifiable Diseases in the United States
8	Statistical tables, graphs, maps, and narratives for each of 35 notifiable conditions are grouped in alphabetical order in this section.
9	SECTION 3 - Conditions of Special Interest
10	Conditions Optionally Reported by Certain States, 1978
11	Acute Conditions by Year, 1968-1977
12	Cholera
13	Dysentery
14	Shigellosis
15	Paratuberculosis
16	Parasitoses and Influenza (Deaths in 12 Selected Cities)
17	Other Systemic
18	Other
19	Index
20	Inside Back Cover

FOREWORD

HISTORICAL DEVELOPMENT OF MORBIDITY

This volume contains final figures on the reported occurrence of notifiable diseases for 1978 as well as selected data on non-notifiable conditions of special interest.

The first section of this summary contains morbidity and mortality information for each of the 46 currently reportable conditions. Tables in this section contain the number of cases of notifiable diseases reported to the Center for Disease Control (CDC) during the past 10 years, and for 1978 describe the distribution of cases by age, month, and geographic location.

The second section of this volume includes additional epidemiologic information regarding 36 reportable conditions.

The third section contains data about other conditions of special interest.

The data from all of these sections come either from annual summary reports or case-investigation forms, which are completed by state and territorial health departments as well as from other sources.

Finally, a brief historical summary of morbidity reporting and surveillance in the United States is contained in this volume.

In 1970 the Communicable Disease Center was renamed the Center for Disease Control to reflect a broader mandate in preventive health services. Over the years the surveillance system maintained by CDC has expanded, and emphasis has shifted as certain diseases have declined in incidence and other diseases taken on new aspects. In addition, CDC's increasing interest in noncommunicable diseases is reflected in new programs in family planning, childhood lead poisoning prevention, congenital birth defects, and chronic diseases.

In 1978 the Consolidated Surveillance and Communications Activity was established in the Bureau of Epidemiology to provide ongoing evaluation of surveillance efforts, including MMWR summaries. This activity's primary responsibility is to work with state health departments and bureaus within CDC to coordinate, and evaluate future changes in surveillance activities.

HISTORICAL DEVELOPMENT OF MORBIDITY REPORTING AND SURVEILLANCE IN THE UNITED STATES

In 1878 an act of Congress authorized collection of morbidity reports by the Public Health Service for use in connection with quarantine measures against pestilential diseases such as cholera, smallpox, plague, and yellow fever. In 1893 an act provided for the collection of information on a weekly basis from state and municipal authorities throughout the United States, and gradually an increasing number of states began submitting monthly and annual summaries to the Public Health Service. It was not until 1925, however, that all states began to report regularly.

Responsibilities for data collection and analysis were subsequently transferred several times within the Public Health Service. The Communicable Disease Center acquired responsibility for the venereal disease program in 1957, the tuberculosis program in 1960, the collection of data on nationally notifiable diseases in 1961, and the foreign quarantine program in 1967. Changing characteristics of diseases have necessitated modifications in the reporting system and the addition of new diseases. In 1970 the Communicable Disease Center was renamed the Center for Disease Control to reflect a broader mandate in preventive health services. Over the years the surveillance systems maintained by CDC have expanded, and emphasis has shifted as certain diseases have declined in incidence and other diseases have taken on new aspects. In addition, CDC's increasing interest in noncommunicable diseases is reflected in new programs in family planning, childhood lead poisoning prevention, congenital birth defects, and chronic diseases.

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SOURCES OF DATA

Data on the reported incidence of notifiable diseases are routinely published in the *Morbidity and Mortality Weekly Report* (MMWR) and compiled in final form in this summary from annual reports supplied by the state and territorial departments of health. However, totals for the United States do not include data listed for Guam, Puerto Rico, the Virgin Islands, and the Trust Territory of the Pacific Islands.

CDC also maintains national surveillance programs for selected diseases, with the cooperation of state and local health departments, and publishes detailed epidemiologic analyses on a periodic basis. Data appearing in a surveillance report may not agree exactly with reports published by the MMWR because of differences in timing of reports or because of refinements in case definition.

It should be noted that the MMWR and the national surveillance program are separate systems; data from each appear in this *Annual Summary*. These data should be interpreted with caution. Some diseases such as plague and rabies that cause severe clinical illness and are associated with serious consequences are probably reported quite accurately. However, diseases such as salmonellosis and mumps that are clinically mild and infrequently associated with serious consequences are less likely to be reported. Additionally, subclinical cases are seldom detected except in the course of special studies. The degree of completeness of reporting is also influenced by the diagnostic facilities available, the control measures in effect, and the interests and priorities of state and local officials responsible for disease control and surveillance. Finally, factors such as the introduction of new diagnostic tests (e.g., hepatitis B) and the discovery of new disease entities (e.g., infant botulism and Legionnaires' disease) may cause changes in disease reporting independent of the true incidence of disease. Despite these limitations the data in this report have proven to be useful in the analysis of trends.

Mortality data, with the exception of statistics obtained from the 121 participating cities, are from the National Center for Health Statistics, Health Services Administration. Each year these data are also published in *Vital Statistics of the United States*, Vol. II.

The population data for 1978 used in computing rates are from the Bureau of the Census and are provisional estimates of the resident population as of July 1, 1978. The data are in the Bureau's *Current Population Reports* series: state estimates in Series P-25, No. 790; age estimates in P-25, No. 800 and in unpublished data; New York City data in P-26, No. 78-32. Data for U.S. Territories are provisional, unpublished estimates. Population data from those states where diseases were not notifiable or where age-specific data were not available were

excluded from rate calculation. Rates were calculated using resident population with the exception of chancroid, gonorrhea, granuloma inguinale, lymphogranuloma venereum, and syphilis, for which only civilian resident population data were utilized.

In order not to delay the publication of this document, provisional data from California were included. For further modification of any of those data, contact the California Department of Health Services.

EXPLANATION OF SYMBOLS USED IN TABLES

Data not available	NA
No reported cases	—
Report of disease not required by state health department (not notifiable)	NN
Case imported from outside United States	I

SECTION 1:

Summary of Notifiable Diseases in the United States

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NOTICE

Summary of Notifiable Diseases in the United States

DEFINITION OF ABBREVIATIONS USED IN TABLES

Data not available	NA
No reported cases	
Report of disease not required by state health department (not notifiable)	NN
Case reported from outside United States	

NOTIFIABLE DISEASES - Reported Cases, United States, 1969-1978

DISEASE	1978	1977	1976	1975	1974	1973	1972	1971	1970	1969
U.S. total resident population, July 1 estimate (in thousands)	218,059	216,332	214,659	213,121	211,390	209,851	208,232	206,256	203,805	201,921
Amebiasis	3,937	3,044	2,906	2,775	2,743	2,235	2,199	2,752	2,888	2,915
Anthrax	6	-	2	2	2	2	2	5	2	4
Aseptic meningitis	6,573	4,789	3,510	4,475	3,197	4,846	4,634	5,176	6,480	3,672
Botulism, total	105	129	55	20	28	34	22	25	12	16
Foodborne	65	81	30	17	28	34	22	25	12	16
Infant	36	43	15	1	-	-	-	-	-	-
Brucellosis (undulant fever)	179	232	296	310	240	202	196	183	213	235
Chancroid	521	455	628	700	945	1,165	1,414	1,320	1,416	1,104
Chickenpox	154,089	188,396	183,990	154,248	141,495	182,927	164,114	-	-	-
Cholera	12	4	-	-	-	1	-	-	-	-
Diphtheria	76	84	128	307	272	228	152	215	435	241
Encephalitis, primary ¹	266	341	530	2,362	206	163	161	338	220	1,613
Indeterminate ¹	852	1,073	1,121	1,702	958	1,450	898	1,186	1,360	-
Post childhood infections ¹	65	119	175	237	218	354	243	439	370	304
Gonorrhea	1,013,436	1,002,219	1,001,994	999,937	906,121	842,621	767,215	670,268	600,072	534,872
Granuloma inguinale	72	75	71	60	47	62	81	89	124	154
Hepatitis A	29,500	31,153	33,288	35,855	40,358	50,749	54,074	59,606	56,797	48,416
Hepatitis B	15,016	16,831	14,973	13,121	10,631	8,451	9,402	9,556	8,310	5,909
Hepatitis, unspecified	8,776	8,639	7,488	7,158	8,351	-	-	-	-	-
Legionnaires' disease	664	363	234	-	-	-	-	-	-	-
Leprosy	168	151	145	162	118	146	130	131	129	98
Leptospirosis	110	71	73	93	68	57	41	62	47	89
Lymphogranuloma venereum	284	348	365	353	394	408	756	692	612	520
Malaria	731	547	471	373	293	237	742	2,375	3,051	3,102
Measles (rubeola)	26,871	57,345	41,126	24,374	22,094	26,690	32,275	75,290	47,351	25,826
Meningococcal infections, total	2,505	1,828	1,605	1,478	1,346	1,378	1,323	2,262	2,505	2,951
Mumps	16,817	21,436	38,492	59,647	59,128	69,612	74,215	124,939	104,953	90,918
Pertussis (whooping cough)	2,063	2,177	1,010	1,738	2,402	1,759	3,287	3,036	4,249	3,285
Plague	12	18	16	20	8	2	1	2	13	5
Poliomyelitis, total	15	18	14	8	7	8	31	21	33	20
Paralytic	9	17	12	8	7	7	29	17	31	18
Psittacosis	140	94	78	49	164	33	52	32	35	57
Rabies in animals	3,280	3,130	3,073	2,627	3,151	3,640	4,369	4,310	3,224	3,490
Rabies in man	4	1	2	2	-	1	2	2	3	1
Rheumatic fever, acute	851	1,738	1,865	2,854	2,431	2,560	2,614	2,793	3,227	3,229
Rubella (German measles)	18,269	20,395	12,491	16,652	11,917	27,804	25,507	45,086	56,552	57,686
Rubella congenital syndrome	30	23	30	30	45	35	42	68	77	31
Salmonellosis, excluding typhoid fever	29,410	27,850	22,937	22,612	21,980	23,818	22,151	21,928	22,096	18,419
Shigellosis	19,511	16,052	13,140	16,584	22,600	22,642	20,207	16,143	13,845	11,946
Smallpox	-	-	-	-	-	-	-	-	-	-
Syphilis, primary and secondary	21,656	20,399	23,731	25,561	25,385	24,825	24,429	23,783	21,982	19,130
Total, all stages	64,875	64,621	71,761	80,356	83,771	87,469	91,149	95,997	91,382	92,162
Tetanus	86	87	75	102	101	101	128	116	148	185
Trichinosis	67	143	115	252	120	102	89	103	109	222
Tuberculosis	28,521	30,145	32,105	33,989	30,122	30,998	32,882	35,217	37,137	39,120
Typhoid fever (cases)	141	165	157	129	144	171	152	187	172	149
Carriers	505	398	419	375	437	680	398	407	346	364
Typhus fever, flea-borne (endemic, murine)	46	75	69	44	26	32	18	23	27	36
Typhus fever, tick-borne (Rocky Mountain spotted)	1,063	1,153	937	844	754	668	523	432	380	498
Yellow fever	-	-	-	-	-	-	-	-	-	-

Last documented case occurred in 1949

Last indigenous case reported 1911; last imported, 1924

¹ Changes in data reported for 1970-1977 reflect new diagnostic categories.

*Not previously notifiable nationally.

NOTIFIABLE DISEASES — Reported Cases per 100,000 Population, United States, 1969-1978

Disease	1978	1977	1976	1975	1974	1973	1972	1971	1970	1969
Amebiasis	1.84	1.41	1.35	1.30	1.30	1.07	1.06	1.33	1.42	1.44
Anthrax	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Aseptic meningitis	3.01	2.24	1.64	2.10	1.53	2.33	2.23	2.51	3.18	1.82
Botulism, total	0.05	0.06	0.03	0.01	0.01	0.02	0.01	0.01	0.01	0.01
Foodborne	0.03	0.04	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.01
Infant	0.02	0.02	0.01	0.00	—	—	—	—	—	—
Brucellosis (undulant fever)	0.08	0.11	0.14	0.15	0.11	0.10	0.09	0.09	0.10	0.12
Chancroid	0.24	0.21	0.29	0.33	0.46	0.56	0.68	0.64	0.70	0.55
Chickenpox	80.42	97.63	96.06	78.11	72.20	97.68	87.34	—	—	—
Cholera	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diphtheria	0.03	0.04	0.06	0.14	0.13	0.11	0.07	0.10	0.21	0.12
Encephalitis, primary ¹	0.14	0.16	0.25	1.11	0.10	0.08	0.08	0.16	0.12	0.80
Indeterminate ¹	0.45	0.50	0.52	0.80	0.45	0.69	0.43	0.58	0.72	—
Post childhood infections ¹	0.03	0.06	0.08	0.11	0.10	0.17	0.12	0.21	0.20	0.15
Gonorrhea	468.25	466.83	470.47	472.91	432.12	404.92	371.62	328.11	298.52	267.86
Granuloma inguinale	0.03	0.03	0.03	0.03	0.02	0.03	0.04	0.04	0.06	0.07
Hepatitis A	13.53	14.40	15.51	16.82	19.54	24.18	25.97	28.90	27.87	23.98
Hepatitis B	6.89	7.78	7.14	6.30	5.15	4.03	4.52	4.74	4.08	3.02
Hepatitis, unspecified	4.02	3.99	3.57	3.44	3.95	—	—	—	—	—
Legionnaires' disease	0.30	0.17	0.11	—	—	—	—	—	—	—
Leprosy	0.08	0.07	0.07	0.08	0.06	0.07	0.06	0.06	0.06	0.05
Leptospirosis	0.05	0.03	0.03	0.04	0.03	0.03	0.02	0.03	0.02	0.04
Lymphogranuloma venereum	0.13	0.16	0.17	0.17	0.19	0.20	0.37	0.34	0.30	0.26
Malaria	0.34	0.25	0.22	0.18	0.14	0.11	0.36	1.15	1.50	1.54
Measles (rubeola)	12.32	26.51	19.16	11.44	10.45	12.72	15.50	36.50	23.23	12.79
Meningococcal infections, total	1.15	0.84	0.75	0.69	0.64	0.66	0.64	1.10	1.23	1.46
Mumps	7.81	10.02	17.93	27.99	29.00	36.23	38.42	65.33	55.55	48.65
Pertussis (whooping cough)	0.95	1.02	0.47	0.82	1.15	0.84	1.58	1.47	2.08	1.63
Plague	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.00
Poliomyelitis, total	0.01	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.02	0.01
Paralytic	0.00	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.02	0.01
Psittacosis	0.06	0.04	0.04	0.02	0.08	0.02	0.02	0.02	0.02	0.03
Rabies in man	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rheumatic fever, acute	0.60	1.23	1.32	2.01	1.79	1.92	2.01	2.16	2.45	2.48
Rubella (German measles)	8.38	9.43	5.82	7.81	5.64	13.25	12.25	21.86	27.75	28.91
Rubella congenital syndrome	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.04	0.02
Salmonellosis, excluding typhoid fever	13.49	12.87	10.74	10.61	10.40	11.35	10.64	10.63	10.84	9.12
Shigellosis	8.95	7.42	6.15	7.78	10.69	10.79	9.70	7.83	6.79	5.92
Smallpox	—	—	—	—	—	—	—	—	—	—
Syphilis, primary and secondary	10.00	9.50	11.14	12.09	12.11	11.93	11.83	11.64	10.94	9.58
Total, all stages	30.00	30.10	33.69	38.00	39.95	42.03	44.15	46.99	45.46	46.15
Tetanus	0.04	0.04	0.03	0.05	0.05	0.05	0.06	0.06	0.07	0.09
Trichinosis	0.03	0.07	0.05	0.12	0.06	0.05	0.04	0.05	0.05	0.11
Tuberculosis	13.08	13.93	14.96	15.95	14.25	14.77	15.79	17.07	18.22	19.37
Tularemia	0.06	0.08	0.07	0.06	0.07	0.08	0.07	0.09	0.08	0.07
Typhoid fever (cases)	0.23	0.18	0.20	0.18	0.21	0.32	0.19	0.20	0.17	0.18
Carriers	0.03	—	—	—	—	NA	—	—	—	—
Typhus fever, flea-borne (endemic, murine)	0.02	0.04	0.03	0.02	0.01	0.02	0.01	0.01	0.01	0.02
Typhus fever, tick-borne (Rocky Mountain spotted)	0.49	0.53	0.44	0.40	0.36	0.32	0.25	0.21	0.19	0.25
Yellow fever	—	—	—	—	—	—	—	—	—	—

NOTE: Rates less than .01 after rounding are shown as 0.00.

¹ Changes in rates for 1970-1977 reflect new diagnostic categories.

*Not previously notifiable nationally.

Last documented case occurred in 1949
Last indigenous case reported 1911; last imported, 1924.

NOTIFIABLE DISEASES — Deaths from Specified Notifiable Diseases, United States, 1968-1977

(Numbers after cause of death are category numbers of the Eighth Revision of the International Classification of Diseases, Adapted 1965.)

CAUSE OF DEATH	ICDA	1977	1976	1975	1974	1973	1972*	1971	1970	1969	1968
Amebiasis	006	28	36	35	25	31	52	60	59	58	51
Anthrax	022	—	—	—	—	—	—	—	—	—	—
Botulism	005.1	6	3	3	6	6	6	7	7	4	2
Brucellosis	023	—	2	—	—	1	6	3	2	3	1
Chickenpox	052	89	106	83	106	138	122	98	93	81	99
Diphtheria	032	5	7	5	5	10	10	13	30	25	30
Encephalitis, acute infectious	062-065,079.2	206	253	386	276	326	266	320	327	386	362
Gonorrhoea	098	1	1	1	1	11	8	9	9	3	1
Granuloma inguinale	099.2	—	—	1	—	—	—	—	2	2	1
Hepatitis, infectious (Hepatitis A)	070	508	567	612	630	656	778	906	1,014	1,011	877
Leprosy	030	1	1	2	2	1	—	1	5	4	5
Leptospirosis	100	8	12	7	5	6	10	6	4	5	9
Lymphogranuloma venereum	099.1	—	—	2	2	2	4	2	1	4	2
Malaria	084	3	4	4	4	7	—	6	5	11	7
Measles (rubeola)	055	15	12	20	20	23	24	90	89	41	24
Meningococcal infection	036	338	330	308	305	330	350	509	550	744	741
Mumps	072	5	8	8	6	12	16	15	16	22	25
Pertussis (whooping cough)	033	10	7	8	14	5	6	18	12	13	36
Plague	020	—	2	3	1	—	—	—	1	—	1
Poliomyelitis	040-041,043	16	16	9	3	10	2	18	7	13	24
Bulbar or polioencephalitis	040	2	3	2	—	4	—	2	2	3	7
With other paralysis	041	2	1	1	—	3	—	2	1	1	3
Unspecified	043	12	12	6	3	3	2	14	4	9	14
Psittacosis	073	—	—	—	—	1	—	1	1	—	—
Rabies	071	—	1	2	—	1	2	2	2	1	1
Rheumatic fever, acute	390-392	125	149	155	175	183	180	230	256	320	363
Rubella (German measles)	056	17	12	21	15	16	14	20	31	29	24
Salmonellosis, including paratyphoid fever	002-003	73	61	67	59	76	68	81	81	82	70
Shigellosis	004	25	19	27	32	33	38	24	30	36	60
Syphilis	090-097	196	225	272	300	393	344	375	461	543	586
Tetanus	037	24	32	45	44	40	58	64	79	89	86
Trichinosis	124	—	1	—	—	1	2	4	1	—	—
Tuberculosis (all forms)	010-019	2,968	3,130	3,333	3,513	3,875	4,376	4,501	5,217	5,567	6,292
Tularemia	021	2	2	—	2	4	—	2	2	1	1
Typhoid fever	001	3	2	3	3	7	8	4	6	4	7
Typhus fever, flea-borne (endemic-murine)	081.0	—	1	—	—	1	—	—	—	—	—
Typhus fever, tick-borne (Rocky Mountain spotted)	082.0	43	41	29	49	38	50	36	29	36	21

Source: National Center for Health Statistics, Vital Statistics of the United States, Vol. II, for respective year.

*Based on 50% sample of death records.

NOTIFIABLE DISEASES — Reported Cases By Month, United States, 1978

Disease	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Month Not Stated
Amebiasis	3,937	273	318	310	340	284	410	343	276	245	371	373	388	6
Anthrax	6	—	—	—	2	2	—	—	1	1	—	—	—	—
Aseptic meningitis	6,573	168	167	130	163	248	398	815	1,315	1,110	811	649	467	132
Botulism, total	105	2	1	2	42	8	1	4	6	6	3	14	16	—
Foodborne	65	1	1	—	38	4	—	1	1	1	1	12	5	—
Infant	36	1	—	2	3	4	1	3	5	4	2	1	10	—
Brucellosis	179	7	18	19	7	20	15	18	16	14	15	10	19	1
Chickenpox	154,089	13,075	15,106	22,081	20,616	23,994	16,157	4,893	1,624	1,163	3,010	8,455	16,271	7,644
Cholera	12	—	—	—	—	—	—	—	1	10	—	1	—	—
Diphtheria	76	5	7	8	8	7	9	4	11	2	2	8	5	—
Hepatitis A	29,500	1,933	2,142	2,517	2,438	2,522	2,430	2,157	2,654	2,489	2,622	2,459	2,771	366
Hepatitis B	15,016	1,124	1,150	1,428	1,224	1,302	1,230	1,156	1,316	1,204	1,187	1,198	1,289	208
Hepatitis, unspecified	8,776	545	658	711	679	676	742	611	852	780	761	765	966	30
Legionnaires' disease	664	29	19	22	28	38	52	65	163	139	61	28	18	2
Leprosy	168	4	4	14	16	14	15	24	21	13	10	12	20	1
Leptospirosis	110	4	2	1	8	4	8	19	15	11	9	1	28	—
Malaria	731	42	39	46	39	74	75	93	95	64	59	46	49	10
Measles (rubeola)	26,871	960	1,800	3,977	4,531	5,486	3,996	1,471	923	899	554	1,064	1,180	30
Meningococcal infections, total	2,505	188	277	275	266	252	182	162	144	118	157	190	258	36
Military	34	1	3	6	3	2	3	2	1	1	3	1	1	7
Civilian	2,471	186	270	260	258	242	178	155	143	115	148	182	250	84
Mumps	16,817	1,388	1,723	2,320	2,080	2,205	1,532	677	418	374	479	802	1,411	1,408
Pertussis (whooping cough)	2,063	196	205	144	127	121	133	204	201	207	142	164	133	86
Plague	12	—	—	1	—	1	1	2	3	1	1	—	2	—
Poliomyelitis, total	15	—	—	—	1	—	1	—	2	2	4	2	3	—
Paralytic	9	—	—	—	1	—	—	—	2	1	2	1	2	—
Psittacosis	140	5	3	19	19	7	14	10	10	13	6	9	22	3
Rabies in man	4	—	—	—	—	—	1	—	1	—	1	—	1	—
Rheumatic fever, acute	851	86	80	82	92	82	44	47	35	30	44	67	40	122
Rubella (German measles)	18,269	573	708	1,943	3,303	4,606	2,908	810	466	316	260	454	531	1,391
Rubella congenital syndrome	30	1	9	—	1	1	4	4	3	—	2	—	5	—
Salmonellosis, excl. typhoid fever	29,410	1,642	1,594	1,710	1,595	1,976	2,364	2,750	3,439	3,275	3,128	2,699	2,737	501
Shigellosis	19,511	1,193	987	1,178	1,182	1,386	1,457	1,669	2,130	2,037	1,902	1,922	2,168	300
Syphilis, primary & secondary	21,656	1,539	1,705	1,745	1,758	1,742	1,721	1,675	1,880	2,012	1,974	1,994	1,911	—
Tetanus	86	3	3	6	9	8	7	12	10	5	7	6	10	—
Trichinosis	67	3	1	15	2	3	9	5	12	3	3	—	9	2
Tularemia	141	5	4	6	7	8	13	22	13	17	12	16	16	2
Typhoid fever	505	17	54	62	37	42	33	42	48	42	39	48	37	4
Typhus fever														
Flea-borne (endemic, murine)	46	2	2	6	2	2	2	10	3	7	3	1	6	—
Tick-borne (Rocky Mountain spotted)	1,063	—	3	5	23	136	232	239	178	147	58	22	17	3

NOTIFIABLE DISEASES

NOTIFIABLE DISEASES — Reported Cases By Age, United States, 1978

Disease	Total	<1	1-4	5-9	10-14	15-19	20-24	25-29	30-39	40-49	50-59	60+	Age Not Stated
Cholera	12	—	—	—	1	2	—	—	1	3	3	2	—
Diphtheria	76	—	4	2	1	1	6	7	16	13	17	8	1
Gonorrhoea	1,013,436	(.....)	11,958	(.....)	254,928	387,984	202,374	119,360	26,413	(. . . 10,419 . . .)	—	—	—
Hepatitis A ¹	28,835	59	847	2,476	2,002	3,637	5,890	4,445	4,067	1,813	1,357	1,069	1,173
Hepatitis B ¹	14,723	13	41	84	126	2,220	4,197	2,633	2,220	1,036	839	795	519
Hepatitis, unspecified ¹	9,734	18	297	730	583	1,241	2,122	1,420	1,180	529	510	544	560
Measles (rubeola)	26,871	718	2,054	3,601	4,723	3,273	392	129	106	27	4	10	11,834
Meningococcal infections, total	2,505	489	640	191	175	270	129	85	83	96	83	119	145
Military	34	1	1	—	3	5	11	3	—	—	—	—	10
Civilian	2,471	488	639	191	172	265	118	82	83	96	83	119	135
Mumps	16,817	36	738	3,092	1,526	400	117	82	88	53	25	16	10,644
Pertussis (whooping cough)	2,063	677	431	163	95	37	26	23	21	12	1	4	573
Plague	12	—	1	—	2	3	1	—	1	1	2	1	—
Poliomyelitis, total	15	4	1	—	1	3	2	1	3	—	—	—	—
Paralytic	9	4	1	—	1	—	—	—	3	—	—	—	—
Rubella (German measles)	18,269	342	444	619	1,051	4,543	2,540	363	259	91	36	8	7,973
Salmonellosis (excl. typhoid fever)	29,410	4,885	4,365	1,938	1,160	1,504	1,696 ²	1,267 ²	1,535	1,056	1,152	2,223	6,601
Shigellosis	19,511	853	5,895	2,671	872	623	1,026	1,094	1,052	409	321	358	4,337
Syphilis, primary & secondary	21,656	(.....)	154	(.....)	3,032	6,044	5,125	4,879	1,746	(. . . . 676 . . .)	—	—	—
Tetanus	86	4	3	—	3	3	2	2	5	4	17	42	1
Tuberculosis	28,521	(. . . . 836 . . .)	(. . . 651 . . .)	(. 2,098 . . .)	(. 24,870)	—	—	—	—	—	—	—	66
Typhoid fever	505	3	42	58	44	39	64	54	61	41	31	49	19

¹ Age distribution of Hepatitis A cases (665) and Hepatitis B cases (293) reported by the state of Georgia included in Hepatitis, unspecified.

² Does not include cases reported by state of Arizona.

NOTIFIABLE DISEASES

NOTIFIABLE DISEASES — Reported Cases by Geographic Division and by State, United States, 1978

Area	Tot. Resident Population (in thousands)	Amebiasis	Anthrax	Aseptic Meningitis	Botulism			Brucellosis	Chancroid
					Foodborne	Infant	Unspecified		
United States	218,059	3,937	6	6,573	65	36	4	179	521¹
New England	12,256	17	2	224	—	—	—	15	1
Maine	1,091	1	—	26	—	—	—	1	—
N. H.	871	3	2	23	—	—	—	—	—
Vt.	487	—	—	6	—	—	—	8	—
Mass.	5,774	2	—	73	—	—	—	3	1
R. I.	935	1	—	15	—	—	—	1	—
Conn.	3,099	10	—	81	—	—	—	2	—
Mid. Atlantic	36,825	2,033	—	1,183	4	6	—	12	51
Upstate N. Y.	10,599	45	—	277	—	—	—	11	2
N. Y. City	7,149	1,931	—	192	2	—	—	—	47
N. J.	7,327	42	—	379	—	2	—	—	2
Pa.	11,750	15	—	335	2	4	—	1	—
E. N. Central	41,233	181	—	1,237	1	—	—	6	84
Ohio	10,749	71	—	329	—	—	—	1	1
Ind.	5,374	24	—	196	—	—	—	—	1
Ill.	11,243	77	—	238	—	—	—	1	33
Mich.	9,189	9	—	377	—	—	—	2	49
Wis.	4,679	—	—	97	1	—	—	2	—
W. N. Central	17,018	226	1	303	—	—	1	32	1
Minn.	4,008	37	—	—	—	—	—	1	—
Iowa	2,896	161	—	38	—	—	—	18	—
Mo.	4,860	20	—	145	—	—	—	3	1
N. Dak.	652	—	1	6	—	—	—	1	—
S. Dak.	690	—	—	4	—	—	—	2	—
Nebr.	1,565	—	—	43	—	—	—	5	—
Kans.	2,348	8	—	67	—	—	1	2	—
S. Atlantic	34,579	157	2	1,029	3	3	—	24	314
Del.	583	—	—	13	—	1	—	—	—
Md.	4,143	17	—	258	—	1	—	—	2
D. C.	674	12	—	2	—	—	—	—	20
Va.	5,148	35	—	193	1	—	—	6	3
W. Va.	1,860	—	—	24	—	—	—	1	1
N. C.	5,577	9	2	195	—	—	—	3	49
S. C.	2,918	60	—	33	—	—	—	1	2
Ga.	5,084	2	—	—	1	1	—	3	226
Fla.	8,594	22	—	311	1	—	—	10	11
E. S. Central	14,001	8	—	441	—	—	—	24	11
Ky.	3,498	1	—	104	—	—	—	5	—
Tenn.	4,357	NN	—	145	—	—	—	6	3
Ala.	3,742	5	—	148	—	—	—	4	—
Miss.	2,404	2	—	44	—	—	—	9	8
W. S. Central	22,046	259	—	631	4	—	—	41	29
Ark.	2,186	13	—	54	—	—	—	7	3
La.	3,966	6	—	97	—	—	—	3	15
Okla.	2,880	30	—	75	—	—	—	8	—
Texas	13,014	210	—	405	4	—	—	23	11
Mountain	10,289	94	1	219	42	15	—	13	9
Mont.	785	—	—	31	—	—	—	—	1
Idaho	878	2	1	19	—	—	—	9	7
Wyo.	424	—	—	3	—	—	—	—	—
Colo.	2,670	29	—	69	8	—	—	2	—
N. M.	1,212	7	—	44	34	2	—	1	1
Ariz.	2,354	37	—	12	—	3	—	1	—
Utah	1,307	14	—	37	—	10	—	—	—
Nev.	660	5	—	4	—	—	—	—	—
Pacific	29,811	962	—	1,306	11	12	3	12	21
Wash.	3,774	28	—	129	2	—	—	—	1
Oreg.	2,444	12	—	205	—	—	1	—	1
Calif.	22,294	909	—	860	9	12	2	11	19
Alaska	403	—	—	34	—	—	—	1	—
Hawaii	897	13	—	78	—	—	—	—	—
Guam	99	4	—	1	—	—	—	—	—
P. R.	3,378	1	—	10	3	—	—	4	15
V. I.	105	—	—	—	—	—	—	—	—
Pac. Trust Terr.	116	2,294	—	26	—	—	—	—	NA

¹ Civilian cases only.

NOTIFIABLE DISEASES

NOTIFIABLE DISEASES — Reported Cases by Geographic Division and by State, United States, 1978 — Continued

Area	Chicken-pox	Cholera	Diphtheria	Encephalitis			Gonorrhea	Granuloma Inguinale
				Primary	Indeterminate	Post Childhood Inf.		
United States	154,089	12	76	266	852	65	1,013,436 ¹	72 ¹
New England	16,173	—	—	4	19	7	25,708	—
Maine	3,262	—	—	—	—	—	2,109	—
N. H.	515	—	—	1	1	—	1,171	—
Vt.	200	—	—	—	—	—	618	—
Mass.	5,895	—	—	—	9	1	11,189	—
R. I.	2,827	—	—	—	—	—	1,966	—
Conn.	3,474	—	—	3	9	6	8,655	—
Mid. Atlantic	13,865	—	1	19	111	6	110,009	9
Upstate N. Y.	8,447	—	—	6	46	4	19,491	1
N. Y. City	2,733	—	1	7	24	2	40,571	7
N. J.	NN	—	—	3	13	—	20,222	1
Pa.	2,685	—	—	3	28	—	29,725	—
E. N. Central	64,725	1	—	104	266	23	162,046	4
Ohio	7,593	—	—	27	120	12	41,366	—
Ind.	8,304	—	—	NA	NA	NA	15,691	—
Ill.	14,471	—	—	13	74	3	54,190	4
Mich.	20,078	1	—	12	59	5	36,647	—
Wis.	14,279	—	—	52	13	3	14,152	—
W. N. Central	19,035	—	2	68	78	3	51,309	—
Minn.	30	—	—	49	8	—	8,517	—
Iowa	6,978	—	—	15	32	—	5,432	—
Mo.	4,048	—	1	—	28	1	22,840	—
N. Dak.	417	—	—	—	—	—	876	—
S. Dak.	441	—	—	—	—	—	1,726	—
Nebr.	1,118	—	1	2	1	—	3,653	—
Kans.	6,003	—	—	2	9	2	8,265	—
S. Atlantic	13,580	—	—	36	154	15	242,635	56
Del.	223	—	—	—	1	—	3,522	—
Md.	1,432	—	—	—	38	1	30,480	1
D. C.	35	—	—	—	—	—	16,286	—
Va.	1,076	—	—	3	31	5	24,034	—
W. Va.	5,597	—	—	—	22	—	3,313	—
N. C.	NN	—	—	4	28	6	34,479	2
S. C.	380	—	—	—	7	—	23,914	—
Ga.	80	—	—	4	4	1	46,219	52
Fla.	4,757	—	—	25	23	2	60,388	1
E. S. Central	3,862	—	—	13	69	3	85,108	—
Ky.	2,637	—	—	—	16	2	11,445	—
Tenn.	NN	—	—	3	30	—	31,072	—
Ala.	915	—	—	8	10	1	24,436	—
Miss.	310	—	—	2	13	—	18,155	—
W. S. Central	6,486	11	—	8	87	6	133,940	—
Ark.	323	—	—	4	11	2	9,926	—
La.	NN	11	—	—	15	—	22,367	—
Okla.	NN	—	—	—	20	2	12,704	—
Texas	6,163	—	—	4	41	2	88,943	—
Mountain	6,040	—	4	9	23	1	38,909	1
Mont.	870	—	—	1	15	—	2,127	—
Idaho	916	—	—	—	—	—	1,600	1
Wyo.	19	—	—	—	—	—	983	—
Colo.	3,339	—	2	2	3	1	10,835	—
N. M.	54	—	—	3	—	—	5,525	—
Ariz.	NN	—	1	3	4	—	10,064	—
Utah	711	—	—	—	1	—	2,118	—
Nev.	131	—	1	—	—	—	5,657	—
Pacific	10,323	—	69	5	45	1	163,772	2
Wash.	7,689	—	64	3	24	—	13,487	—
Oreg.	55 ²	—	—	2	14	1	11,243	—
Calif.	1,273	—	2	NA	NA	NA	131,136	2
Alaska	621	—	3	—	7	—	5,132	—
Hawaii	685	—	—	—	—	—	2,774	—
Guam	289	—	—	—	—	—	16	—
P. R.	467	—	—	—	10	2	2,170	1
V. I.	15	—	—	—	—	—	289	—
Pac. Trust Terr.	449	—	—	NA	NA	NA	NA	NA

¹ Civilian cases only.

² Notifiable only for 16 years of age and over.

NOTIFIABLE DISEASES

NOTIFIABLE DISEASES — Reported Cases by Geographic Division and by State, United States, 1978 — Continued

Area	Hepatitis A	Hepatitis B	Hepatitis Unsp.	Legionnaires' Disease	Leprosy	Leptospirosis	Lympho-granuloma Venereum	Malaria
United States	29,500	15,016	8,776	664	168	110	284¹	731²
New England	817	598	189	87	—	4	4	34
Maine	94	23	14	4	—	—	—	2
N. H.	67	27	6	4	—	—	—	4
Vt.	60	19	9	5	—	—	—	—
Mass.	313	250	132	10	—	2	4	11
R. I.	104	72	—	—	—	—	—	5
Conn.	179	207	28	64	—	2	—	12
Mid. Atlantic	2,576	2,499	928	118	12	—	38	142
Upstate N. Y.	685	455	280	22	2	—	1	22*
N. Y. City	499 ³	493 ³	268 ³	37	6	—	27	65*
N. J.	653	750	216	26	2	—	3	30
Pa.	739	801	164	33	2	—	7	25
E. N. Central	4,171	2,236	665	95	2	5	11	69
Ohio	1,147	474	—	3	—	1	2	11
Ind.	245	201	190	43	—	—	3	6
Ill.	1,304	705	179	21	2	2	3	29**
Mich.	1,206	705	263	22	—	2	3	21
Wis.	269	151	33	6	—	—	—	2
W. N. Central	2,371	777	361	46	4	2	14	26
Minn.	942	253	12	2	1	1	—	4
Iowa	140	100	60	24	1	—	—	—
Mo.	552	231	192	5	—	1	12	10
N. Dak.	100	10	—	11	—	—	—	—
S. Dak.	242	14	24	—	—	—	—	1
Nebr.	126	53	18	3	2	—	—	5
Kans.	269	116	55	1	—	—	2	6
S. Atlantic	3,776	2,628	1,175	94	7	29	138	124
Del.	35	51	11	—	—	1	1	2
Md.	411	477	172	9	1	3	—	26
D. C.	34	72	5	2	—	—	71	6
Va.	272	331	166	12	4	2	4	23
W. Va.	171	56	17	5	—	—	—	1
N. C.	331	230	128	7	—	1	7	12
S. C.	102	152	93	2	—	—	—	4
Ga.	665	293	—	19	—	—	47	10
Fla.	1,755	966	583	38	2	22	8	40
E. S. Central	1,627	896	164	83	—	2	6	14
Ky.	268	164	35	14	—	—	—	2
Tenn.	687	490	72	63	—	—	5	8
Ala.	224	168	57	4	—	1	1	2
Miss.	448	74	—	2	—	1	—	2
W. S. Central	4,006	1,080	1,670	53	31	22	41	40
Ark.	427	125	73	5	—	2	1	2
La.	550	212	193	8	3	6	6	4
Okla.	333	157	206	2	—	—	—	1*
Texas	2,696	586	1,198	38	28	14	34	33*
Mountain	3,027	652	1,406	11	4	5	7	10
Mont.	196	27	28	—	—	—	3	—
Idaho	229	12	16	2	—	—	3	—
Wyo.	29	9	8	—	—	—	—	—
Colo.	477	243	236	2	1	—	—	5
N. M.	454	94	115	1	—	1	—	2
Ariz.	1,227	172	813	1	2	NN	1	2
Utah	326	39	150	4	1	1	—	—
Nev.	89	56	40	1	—	3	—	1
Pacific	7,129	3,650	2,218	77	108	41	25	272
Wash.	932	223	277	7	2	1	2	12
Oreg.	1,105	393	165	2	—	11	3	9
Calif.	4,803	2,923	1,733	68	75	12	20	225
Alaska	130	46	14	—	—	—	—	4
Hawaii	159	65	29	—	31	17	—	22
Guam	46	14	45	—	—	—	—	—
P. R.	186	53	211	—	15	—	2	4
V. I.	9	—	7	—	—	—	—	2
Pac. Trust Terr.	—	—	125	—	10	—	NA	—

¹ Civilian cases only.

² All cases imported except 4 induced (*) and 1 congenital (**).

³ Classifications based on HBsAg test results.

NOTIFIABLE DISEASES

NOTIFIABLE DISEASES — Reported Cases by Geographic Division and by State, United States, 1978 — Continued

Area	Measles	Meningo-coccal Infections	Mumps	Pertussis	Plague	Poliomyelitis		Psittacosis
						Total	Paralytic	
United States	26,871	2,505	16,817	2,063	12	15	9	140
New England	2,046	143	905	61	—	—	—	10
Maine	1,320	9	588	9	—	—	—	1
N. H.	82	11	18	7	—	—	—	2
Vt.	55	3	6	—	—	—	—	—
Mass.	253	53	97	23	—	—	—	5
R. I.	8	20	56	11	—	—	—	—
Conn.	328	47	140	11	—	—	—	2
Mid. Atlantic	2,288	391	807	201	—	—	—	13
Upstate N. Y.	1,439	137	256	115	—	—	—	3
N. Y. City	405	88	165	54	—	—	—	3
N. J.	72	77	200	2	—	—	—	1
Pa.	372	89	186	30	—	—	—	6
E. N. Central	11,599	370	6,843	599	—	6	2	8
Ohio	492	98	1,410	140	—	1	1	—
Ind.	227	57	373	105	—	1	—	1
Ill.	1,381	110	2,100	260	—	3	—	5
Mich.	8,006	87	1,628	47	—	1	1	1
Wis.	1,493	18	1,332	47	—	—	—	1
W. N. Central	583	108	2,149	106	—	—	—	5
Minn.	46	26	24	23	—	—	—	1
Iowa	73	21	192	3	—	—	—	3
Mo.	154	41	1,211	45	—	—	—	1
N. Dak.	211	3	15	8	—	—	—	—
S. Dak.	—	4	11	11	—	—	—	—
Nebr.	5	—	26	2	—	—	—	—
Kans.	94	13	670	14	—	—	—	—
S. Atlantic	5,572	585	1,035	257	—	3	3	16
Del.	7	2	62	3	—	—	—	1
Md.	51	41	86	13	—	—	—	6
D. C.	48	2	2	—	—	—	—	—
Va.	2,837	73	196	18	—	1	1	3
W. Va.	1,066	17	200	22	—	—	—	1
N. C.	125	110	82	45	—	1	1	—
S. C.	199	43	18	12	—	—	—	—
Ga.	36	65	71	82	—	1	1	2
Fla.	1,203	232	318	62	—	—	—	3
E. S. Central	1,409	196	1,313	118	—	—	—	—
Ky.	122	31	311	46	—	—	—	—
Tenn.	952	58	471	60	—	—	—	—
Ala.	102	52	437	3	—	—	—	—
Miss.	233	55	94	9	—	—	—	—
W. S. Central	1,454	339	2,254	184	—	—	—	14
Ark.	17	26	659	35	—	—	—	3
La.	385	149	68	4	—	—	—	3
Okla.	19	20	NN	13	—	—	—	3
Texas	1,033	144	1,527	132	—	—	—	5
Mountain	257	55	502	109	11	3	1	20
Mont.	88	7	140	9	—	—	—	—
Idaho	1	4	28	4	—	—	—	—
Wyo.	—	—	2	—	1	—	—	—
Colo.	50	3	115	21	2	1	—	10
N. M.	—	12	20	42	5	1(1)	1(1)	—
Ariz.	57	16	26	24	2	1	—	2
Utah	44	7	162	8	—	—	—	8
Nev.	17	6	9	1	1	—	—	—
Pacific	1,663	318	1,009	428	1	3	3	54
Wash.	442	56	223	59	—	1	1	5
Oreg.	562	39	138	103	—	—	—	20
Calif.	649	209	595	247	1	1	1	29
Alaska	1	11	15	18	—	—	—	—
Hawaii	9	3	38	1	—	1	1	—
Guam	28	1	40	—	—	—	—	—
P. R.	326	13	1,718	21	—	—	—	—
V. I.	9	5	4	—	—	—	—	—
Pac. Trust Terr.	649	2	120	—	—	—	—	—

NOTIFIABLE DISEASES

NOTIFIABLE DISEASES — Reported Cases by Geographic Division and by State, United States, 1978 — Continued

Area	Rabies		Rheumatic Fever, Acute	Rubella		Salmonellosis	Shigellosis	Syphilis	
	In Animals	In Man		Rubella	Cong. Syndrome			Primary & Secondary	All Stages
United States	3,280	4	851	18,269	30	29,410	19,511	21,656¹	64,875¹
New England	96	—	9	826	1	2,495	666	563	1,716
Maine	79	—	2	158	—	121	17	11	80
N. H.	2	—	—	108	1	130	33	7	14
Vt.	1	—	4	51	—	66	156	3	6
Mass.	7	—	NN	261	—	1,464	303	342	1,003
R. I.	—	—	—	42	—	162	19	29	146
Conn.	7	—	3	206	—	552	138	171	467
Mid. Atlantic	86	—	—	3,108	7	4,922	2,318	2,965	10,185
Upstate N. Y.	62 ²	—	NN	580	5	969	551	223	772
N. Y. City	—	—	NN	152	—	1,283	764	2,058	5,648
N. J.	13	—	NN	1,625	2	1,331	472	357	1,813
Pa.	11	—	NN	751	—	1,339	531	327	1,952
E. N. Central	215	—	441	8,995	5	4,826	2,504	2,494	9,719
Ohio	21	—	224	1,390	—	490	177	463	1,600
Ind.	12	—	26	649	1	498	220	166	934
Ill.	75	—	177	1,972	—	1,748	1,578	1,535	5,684
Mich.	10	—	NN	3,373	3	1,155	263	257	1,133
Wis.	97	—	14	1,611	1	935	266	73	368
W. N. Central	694	—	156	716	—	1,832	1,216	434	3,048
Minn.	209	—	—	128	—	513	155	146	353
Iowa	147	—	26	72	—	210	85	36	235
Mo.	90	—	88	118	—	487	443	144	1,583
N. Dak.	104	—	21	83	—	48	76	4	18
S. Dak.	103	—	—	112	—	102	185	3	19
Nebr.	7	—	NN	34	—	103	22	15	89
Kans.	34	—	21	169	—	369	250	86	751
S. Atlantic	521	1	7	1,411	5	6,075	2,553	5,647	15,179
Del.	3	—	1	37	—	98	12	12	63
Md.	19	—	4	305	—	793	269	441	1,859
D. C.	—	—	—	1	—	90	85	407	1,276
Va.	13	—	NN	247	1	990	142	474	1,653
W. Va.	14	1	—	342	—	47	39	29	590
N. C.	16	—	—	204	3	865	171	611	1,672
S. C.	119	—	2	32	—	400	265	288	662
Ga.	290	—	—	29	—	1,168	713	1,402	2,751
Fla.	47	—	NN	214	1	1,624	857	1,983	4,653
E. S. Central	172	—	74	555	2	1,868	897	1,127	2,711
Ky.	78	—	61	155	1	261	221	150	548
Tenn.	35	—	NN	215	—	513	225	385	815
Ala.	53	—	11	25	—	486	246	199	415
Miss.	6	—	2	160	1	608	205	393	933
W. S. Central	927	1	36	977	2	2,151	2,650	3,538	8,138
Ark.	160	—	3	58	—	419	247	77	357
La.	17	—	8	494	—	178	122	727	1,631
Okla.	194	—	NN	18	—	355	416	94	366
Texas	556	1 (1)	25	407	2	1,199	1,865	2,640	5,784
Mountain	129	1	105	237	—	1,308	1,968	418	1,396
Mont.	26	—	3	22	—	40	118	8	19
Idaho	—	1	12	3	—	79	54	9	13
Wyo.	11	—	16	—	—	11	2	6	26
Colo.	29	—	9	53	—	475	496	124	398
N. M.	25	—	25	4	—	265	551	87	275
Ariz.	23	—	—	103	—	263	553	113	509
Utah	8	—	40	40	—	110	159	14	49
Nev.	7	—	—	12	—	65	35	57	107
Pacific	440	1	23	1,444	8	3,933	4,739	4,470	12,783
Wash.	5	—	—	149	—	420	233	265	544
Oreg.	11	1	4	174	—	257	263	170	415
Calif.	411	—	12	1,100	8	2,719	4,084	3,979	11,686
Alaska	13	—	7	8	—	63	28	12	56
Hawaii	—	—	NN	13	—	474	131	44	82
Guam	—	—	3	5	—	70	35	—	—
P. R.	31	—	6	17	2	288	81	535	1,659
V. I.	—	—	—	1	—	6	6	18	90
Pac. Trust Terr.	—	—	5	3	—	—	244	NA	NA

¹ Civilian cases only.

² Includes N. Y. City.

NOTIFIABLE DISEASES — Reported Cases by Geographic Division and by State, United States, 1978 — Continued

Area	Tetanus	Trichinosis	Tuberculosis	Tulariaemia	Typhoid Fever			Typhus Fever	
					Cases		Carriers	Murine	Rocky Mt. Spotted
					Endemic	Imported			
United States	86	67	28,521	141	242	263	62	46	1,063
New England	3	8	970	3	8	72	1	—	14
Maine	—	—	70	—	—	—	—	—	—
N. H.	—	1	21	1	—	5	—	—	—
Vt.	2	—	41	—	1	—	—	—	—
Mass.	—	1	580	—	—	63	—	—	6
R. I.	—	—	72	—	—	4	—	—	1
Conn.	1	6	186	2	7	—	1	—	7
Mid. Atlantic	6	36	4,341	8	50	23	5	—	60
Upstate N. Y.	3	2	753	5	10	—	—	—	29
N. Y. City	—	7	1,307	1	32	15	5	—	4
N. J.	—	2	1,003	—	—	8	—	—	13
Pa.	3	25	1,278	2	8	—	—	—	14
E. N. Central	5	5	4,599	2	27	35	5	—	76
Ohio	1	2	890	1	5	1	—	—	30
Ind.	1	—	544	—	2	—	—	—	6
Ill.	2	2	1,645	1	13	25	5	—	40
Mich.	1	1	1,260	—	7	8	—	—	—
Wis.	—	—	260	—	—	1	—	—	—
W. N. Central	8	2	989	27	16	5	—	—	56
Minn.	2	—	175	—	6	1	—	—	—
Iowa	—	—	103	1	—	2	—	—	1
Mo.	2	2	456	21	7	—	—	—	29
N. Dak.	—	—	33	—	—	—	—	—	—
S. Dak.	1	—	76	—	—	—	—	—	7
Nebr.	—	—	30	1	—	1	—	—	12
Kans.	3	—	116	4	3	1	—	—	7
S. Atlantic	23	2	6,171	14	49	13	7	6	569
Del.	—	—	58	—	2	1	—	—	5
Md.	2	1	755	5	5	8	3	3	119
D. C.	—	—	314	2	1	—	—	—	1
Va.	1	—	722	5	1	3	2	1	111
W. Va.	—	—	216	—	7	—	—	—	11
N. C.	6	—	943	—	3	—	—	1	204
S. C.	4	—	563	—	8	—	2	—	56
Ga.	—	—	876	—	3	1	—	—	50
Fla.	10	1	1,724	2	19	—	—	1	12
E. S. Central	5	1	2,712	8	7	2	3	3	177
Ky.	2	—	649	3	1	1	1	—	42
Tenn.	—	—	842	4	4	—	—	2	108
Ala.	—	—	672	1	2	1	—	1	13
Miss.	3	1	549	—	—	—	2	—	14
W. S. Central	17	2	3,571	62	33	20	11	33	97
Ark.	1	—	417	34	4	—	—	—	13
La.	2	—	648	7	4	—	—	—	2
Okla.	3	—	346	15	5	—	2	—	54
Texas	11	2	2,160	6	20	20	9	33	28
Mountain	4	3	924	10	15	5	1	—	11
Mont.	—	—	58	—	3	—	—	—	2
Idaho	1	—	38	3	4	1	—	—	3
Wyo.	—	—	15	2	—	—	—	—	1
Colo.	1	1	143	1	2	3	1	—	2
N. M.	—	—	149	—	2	—	—	—	—
Ariz.	—	2	406	1	4	—	—	NN	1
Utah	2	—	42	3	—	1	—	—	—
Nev.	—	—	73	—	—	—	—	—	2
Pacific	15	8	4,244	7	37	88	29	4	3
Wash.	1	—	305	—	7	—	3	—	1
Oreg.	—	—	204	4	—	1	—	1	2
Calif.	13	8	3,351	3	24	86	22	1	—
Alaska	1	—	94	—	—	—	—	—	—
Hawaii	—	—	290	—	6	1	4	2	—
Guam	1	—	67	—	—	—	—	—	—
P. R.	11	—	375	—	3	—	—	1	—
V. I.	—	—	NA	—	2	—	—	—	—
Pac. Trust Terr.	—	—	59	—	—	—	—	—	—

STATES 1878 - Continued

State	Year	Population	Area	Population Density	Area Density	Population per Sq. Mile	Area per Sq. Mile
Alabama	1878	1,000,000	52,000	19	0.19	19	0.19
Alaska	1878	10,000	580,000	0.02	0.00003	0.02	0.00003
Arizona	1878	100,000	110,000	0.9	0.009	0.9	0.009
Arkansas	1878	1,000,000	52,000	19	0.19	19	0.19
California	1878	1,000,000	150,000	6.7	0.067	6.7	0.067
Colorado	1878	100,000	100,000	1.0	0.010	1.0	0.010
Connecticut	1878	1,000,000	5,000	200	2.000	200	2.000
Delaware	1878	100,000	2,000	50	0.500	50	0.500
Florida	1878	1,000,000	52,000	19	0.19	19	0.19
Georgia	1878	1,000,000	52,000	19	0.19	19	0.19
Idaho	1878	100,000	100,000	1.0	0.010	1.0	0.010
Illinois	1878	1,000,000	150,000	6.7	0.067	6.7	0.067
Indiana	1878	1,000,000	52,000	19	0.19	19	0.19
Iowa	1878	1,000,000	150,000	6.7	0.067	6.7	0.067
Kansas	1878	1,000,000	150,000	6.7	0.067	6.7	0.067
Kentucky	1878	1,000,000	52,000	19	0.19	19	0.19
Louisiana	1878	1,000,000	52,000	19	0.19	19	0.19
Maine	1878	1,000,000	5,000	200	2.000	200	2.000
Maryland	1878	1,000,000	10,000	100	1.000	100	1.000
Massachusetts	1878	1,000,000	5,000	200	2.000	200	2.000
Michigan	1878	1,000,000	150,000	6.7	0.067	6.7	0.067
Minnesota	1878	1,000,000	150,000	6.7	0.067	6.7	0.067
Mississippi	1878	1,000,000	52,000	19	0.19	19	0.19
Missouri	1878	1,000,000	150,000	6.7	0.067	6.7	0.067
Montana	1878	100,000	100,000	1.0	0.010	1.0	0.010
Nebraska	1878	1,000,000	150,000	6.7	0.067	6.7	0.067
Nevada	1878	100,000	100,000	1.0	0.010	1.0	0.010
New Hampshire	1878	1,000,000	5,000	200	2.000	200	2.000
New Jersey	1878	1,000,000	10,000	100	1.000	100	1.000
New Mexico	1878	100,000	100,000	1.0	0.010	1.0	0.010
New York	1878	1,000,000	150,000	6.7	0.067	6.7	0.067
North Carolina	1878	1,000,000	52,000	19	0.19	19	0.19
North Dakota	1878	100,000	100,000	1.0	0.010	1.0	0.010
Ohio	1878	1,000,000	150,000	6.7	0.067	6.7	0.067
Oklahoma	1878	100,000	100,000	1.0	0.010	1.0	0.010
Oregon	1878	100,000	100,000	1.0	0.010	1.0	0.010
Pennsylvania	1878	1,000,000	10,000	100	1.000	100	1.000
Rhode Island	1878	1,000,000	1,000	1,000	10.000	1,000	10.000
South Carolina	1878	1,000,000	52,000	19	0.19	19	0.19
South Dakota	1878	100,000	100,000	1.0	0.010	1.0	0.010
Tennessee	1878	1,000,000	52,000	19	0.19	19	0.19
Texas	1878	1,000,000	150,000	6.7	0.067	6.7	0.067
Vermont	1878	1,000,000	5,000	200	2.000	200	2.000
Virginia	1878	1,000,000	10,000	100	1.000	100	1.000
Washington	1878	100,000	100,000	1.0	0.010	1.0	0.010
West Virginia	1878	100,000	10,000	100	1.000	100	1.000
Wisconsin	1878	1,000,000	150,000	6.7	0.067	6.7	0.067
Wyoming	1878	100,000	100,000	1.0	0.010	1.0	0.010

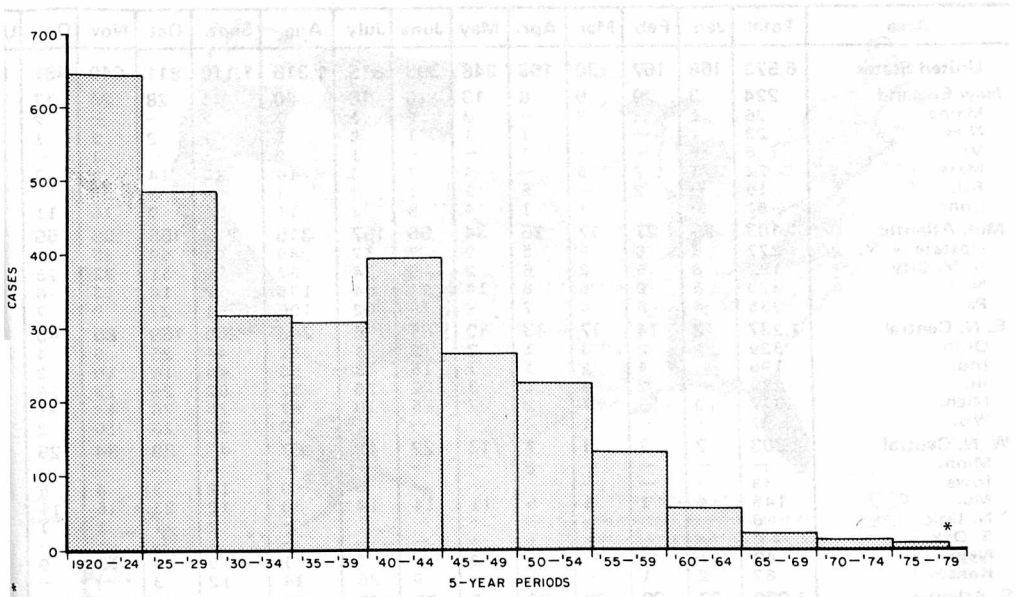
SECTION 2:

Additional Analysis of Notifiable Diseases in the United States

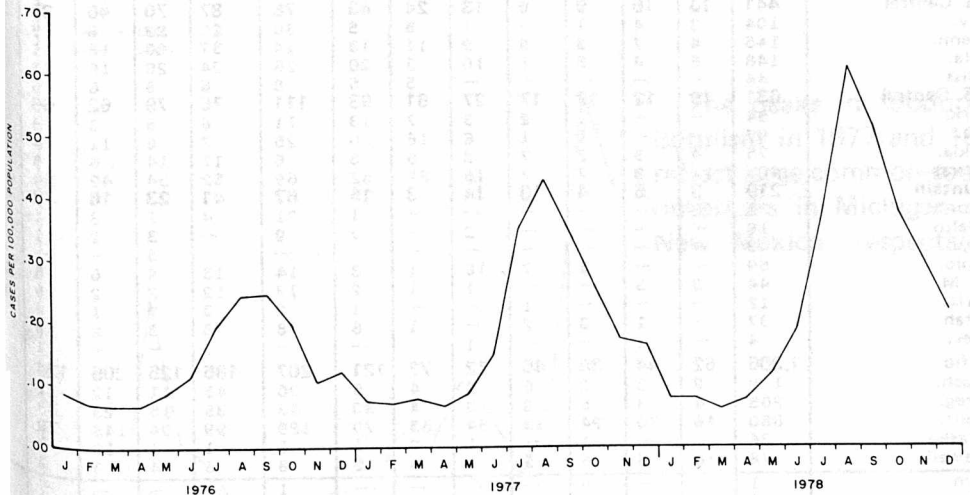


ANTHRAX – ASEPTIC MENINGITIS

ANTHRAX – Reported Cases in Humans by 5-Year Period, United States, 1920–1978



ASEPTIC MENINGITIS – Reported Case Rates by Month, United States, 1976–1978



Since 1976 there has been a pronounced increase in the rate of reported cases of aseptic meningitis. This increase is probably associated with variations in etiologic agents as well as changes in reporting practices.

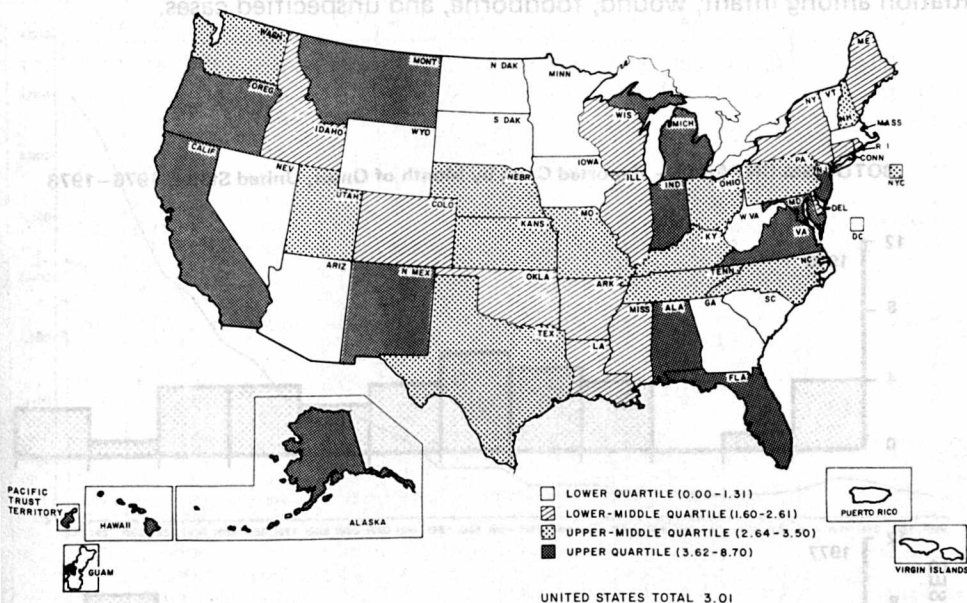
ASEPTIC MENINGITIS - ХАЯНТХА

ASEPTIC MENINGITIS - Reported Cases by State and by Month, United States, 1978

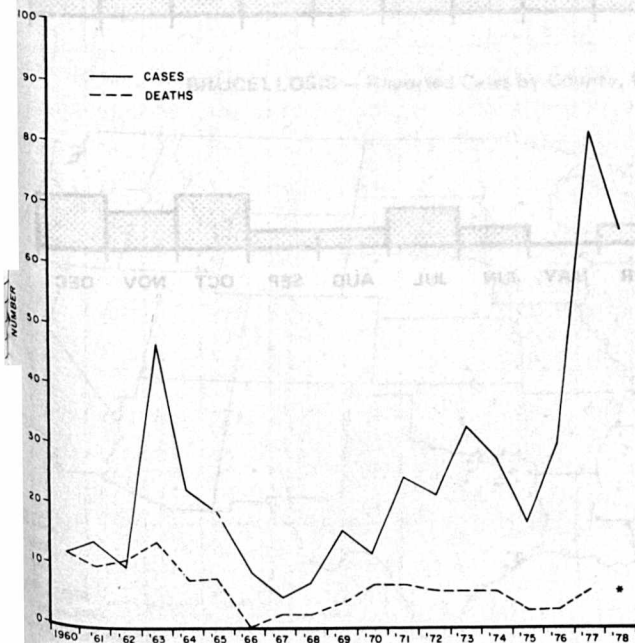
Area	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
United States	6,573	168	167	130	163	248	398	815	1,315	1,110	811	649	467	13
New England	224	3	9	9	8	13	16	16	40	41	28	24	17	
Maine	26	1	—	3	—	3	2	1	7	7	—	—	2	
N.H.	23	1	—	—	1	1	1	8	5	1	2	2	1	
Vt.	6	—	—	—	1	—	—	1	2	1	—	1	—	
Mass.	73	1	7	5	—	4	7	3	14	10	14	5	3	
R.I.	15	—	2	—	5	1	1	—	1	2	3	—	—	
Conn.	81	—	—	1	1	4	5	3	11	20	9	16	11	
Mid. Atlantic	1,183	26	27	17	26	34	56	157	315	212	155	89	55	
Upstate N. Y.	277	8	6	5	5	9	7	17	49	48	59	35	29	
N. Y. City	192	8	6	3	6	2	9	14	22	26	51	32	13	
N. J.	379	6	9	5	8	14	21	64	138	77	18	13	6	
Pa.	335	4	6	4	7	9	19	62	106	61	27	9	7	
E. N. Central	1,237	12	14	17	13	19	64	174	243	265	169	85	45	
Ohio	329	2	2	3	1	2	12	81	31	44	25	5	4	
Ind.	196	—	4	2	1	7	15	43	53	45	14	10	2	
Ill.	238	—	2	4	7	3	22	28	52	62	29	13	16	
Mich.	377	10	6	7	2	7	15	19	87	78	78	47	21	
Wis.	97	—	—	1	2	—	—	3	20	36	23	10	2	
W. N. Central	303	7	2	1	7	13	22	49	57	46	39	34	26	
Minn.	—	—	—	—	—	—	—	—	—	—	—	—	—	
Iowa	38	—	—	—	—	—	—	5	9	12	3	4	5	
Mo.	145	4	1	1	5	11	14	14	33	12	23	16	11	
N. Dak.	6	—	—	—	—	—	—	1	—	2	1	1	1	
S. Dak.	4	—	—	—	1	—	—	—	—	3	—	—	—	
Nebr.	43	1	—	—	—	2	—	3	1	5	9	13	9	
Kans.	67	2	1	—	1	—	8	26	14	12	3	—	—	
S. Atlantic	1,029	27	39	23	30	43	75	147	197	157	123	88	79	
Del.	13	—	—	—	—	—	—	3	4	2	2	2	—	
Md.	258	3	4	2	2	3	12	54	92	53	19	10	3	
D. C.	2	—	1	—	1	—	—	—	—	—	—	—	—	
Va.	193	11	10	3	4	7	10	17	26	46	24	21	14	
W. Va.	24	3	2	1	—	1	—	4	3	7	3	—	—	
N. C.	195	1	6	3	6	11	18	26	31	29	23	16	25	
S. C.	33	2	—	—	2	—	1	12	6	3	4	1	2	
Ga.	—	—	—	—	—	—	—	—	—	—	—	—	—	
Fla.	311	7	16	14	15	21	34	31	35	17	48	38	35	
E. S. Central	441	13	15	9	6	13	24	43	78	87	70	46	37	
Ky.	104	3	4	1	—	1	5	5	30	20	22	6	7	
Tenn.	145	4	7	3	5	2	11	13	14	37	20	18	11	
Ala.	148	6	4	5	1	10	3	20	26	24	20	16	13	
Miss.	44	—	—	—	—	—	5	5	8	6	8	6	6	
W. S. Central	631	15	12	12	17	27	61	93	111	76	79	62	66	
Ark.	54	—	—	1	2	3	7	13	11	6	5	3	3	
La.	97	—	—	1	1	6	16	20	25	7	6	11	4	
Okla.	75	4	3	3	7	2	6	8	6	11	14	6	5	
Texas	405	11	9	7	7	16	32	52	69	52	54	42	54	
Mountain	219	3	5	4	10	14	3	15	67	41	23	16	18	
Mont.	31	—	—	—	—	—	—	1	21	4	1	3	1	
Idaho	19	—	—	—	—	2	—	2	9	—	3	2	1	
Wyo.	3	—	—	—	—	—	—	—	—	—	3	—	—	
Colo.	69	—	—	1	7	10	1	3	14	13	9	6	5	
N. M.	44	3	3	—	—	1	1	2	13	12	2	2	2	
Ariz.	12	—	—	—	1	—	—	1	2	3	2	1	2	
Utah	37	—	1	3	2	—	1	6	8	8	3	2	3	
Nev.	4	—	1	—	—	1	—	—	—	1	—	—	1	
Pacific	1,306	62	44	38	46	72	77	121	207	185	125	205	124	
Wash.	129	2	3	2	6	2	4	5	26	45	11	12	11	
Oreg.	205	4	3	5	2	8	4	30	43	35	15	23	33	
Calif.	860	46	30	24	33	54	63	70	129	99	94	148	70	
Alaska	34	—	—	1	—	1	2	1	1	1	1	19	7	
Hawaii	78	10	8	6	5	7	4	15	8	5	4	3	3	
Guam	1	—	—	—	—	—	—	—	1	—	—	—	—	
P. R.	10	—	—	4	—	—	—	—	—	—	1	—	—	
V. I.	—	—	—	—	—	—	—	—	—	—	—	—	—	
Pac. Trust. Terr.	26	—	4	4	1	3	—	4	3	4	2	1	—	

ASEPTIC MENINGITIS – BOTULISM

ASEPTIC MENINGITIS – Reported Cases per 100,000 Population by State, United States, 1978



BOTULISM (FOODBORNE) – Reported Cases and Deaths by Year, United States, 1960–1978



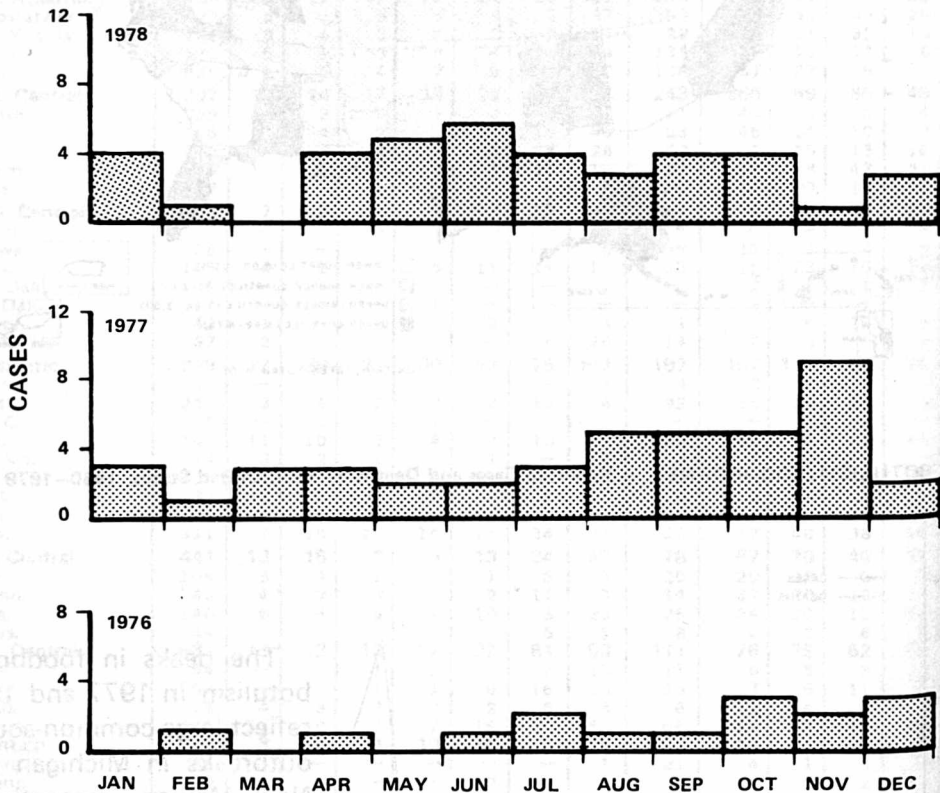
The peaks in foodborne botulism in 1977 and 1978 reflect large common-source outbreaks in Michigan and New Mexico, respectively.

* NOT AVAILABLE FOR 1978.

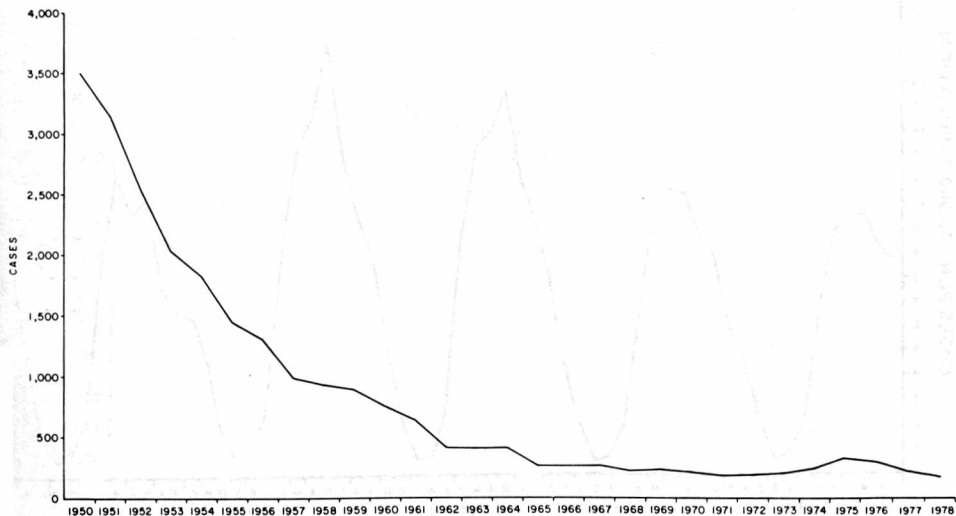
BOTULISM

The identification of the infant botulism syndrome has necessitated the differentiation among infant, wound, foodborne, and unspecified cases.

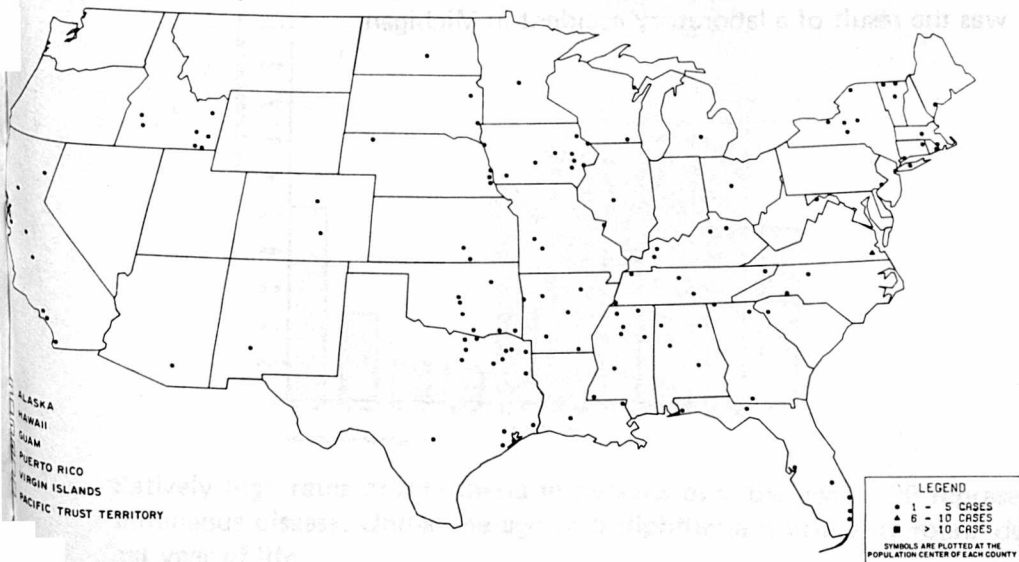
BOTULISM (INFANT) – Reported Cases by Month of Onset, United States, 1976–1978



BRUCELLOSIS — Reported Cases by Year, United States, 1950–1978

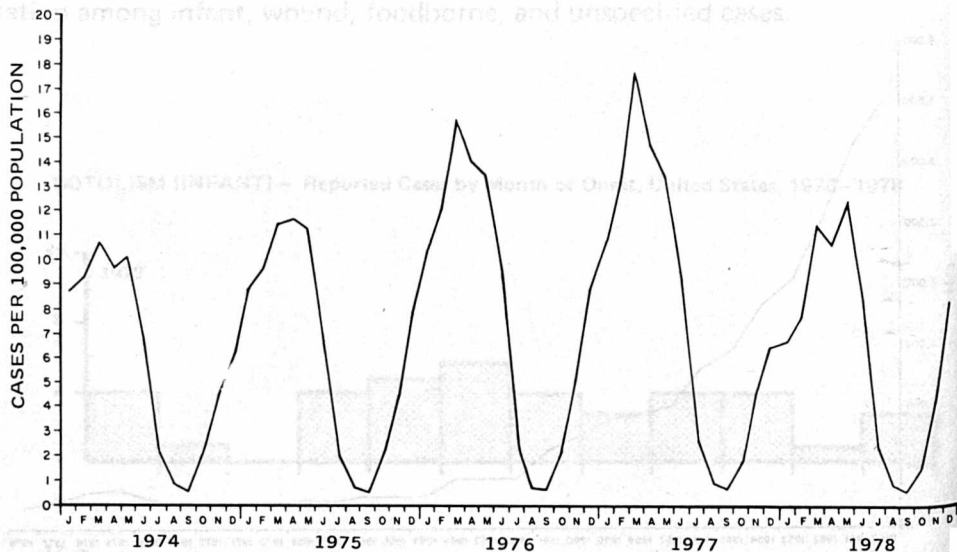


BRUCELLOSIS — Reported Cases by County, United States, 1978



CHICKENPOX – CHOLERA

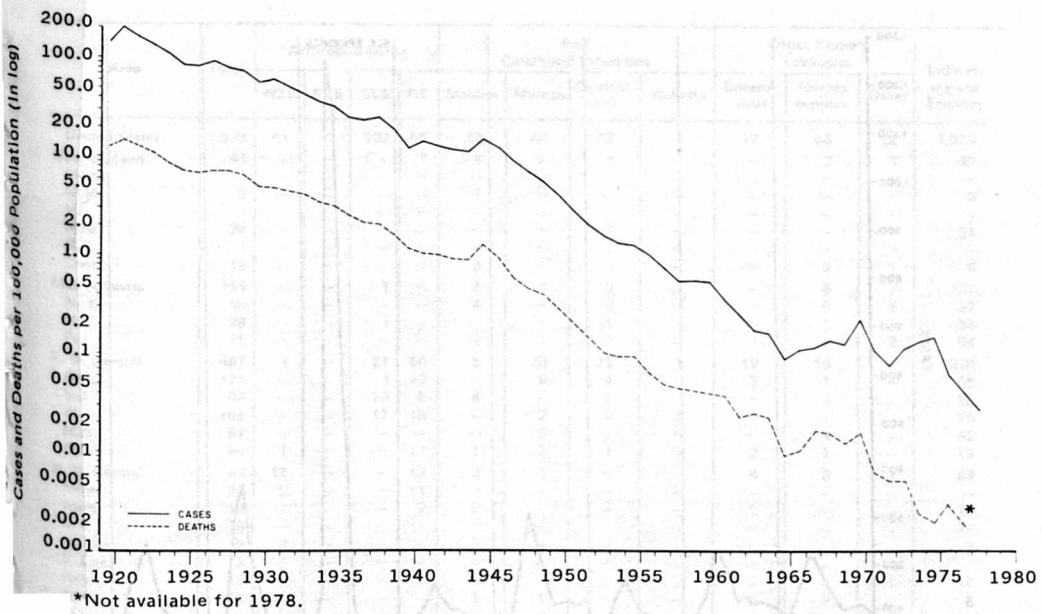
CHICKENPOX – Reported Case Rates by Month, United States, 1974–1978



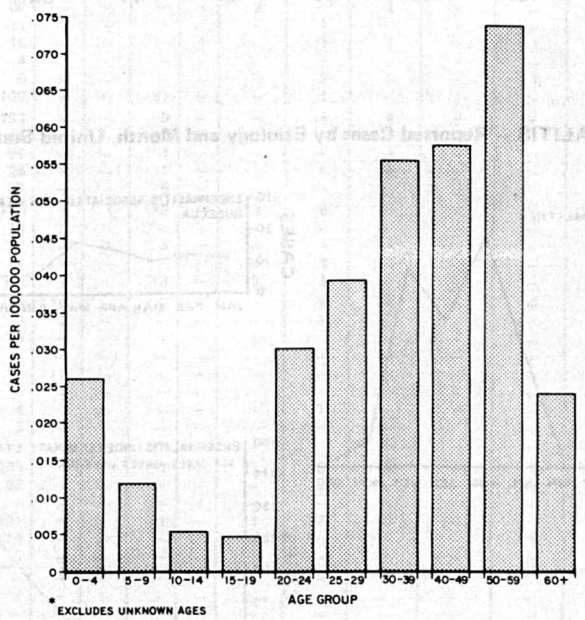
Cholera

In 1978, 12 cases of culture-confirmed cholera occurred in the United States. Eleven of these were sporadic cases which occurred in August and September in Louisiana and were caused by eating crabs caught in Louisiana marshes. One case was the result of a laboratory accident in Michigan.

DIPHTHERIA — Reported Case and Death Rates by Year, United States, 1920–1978



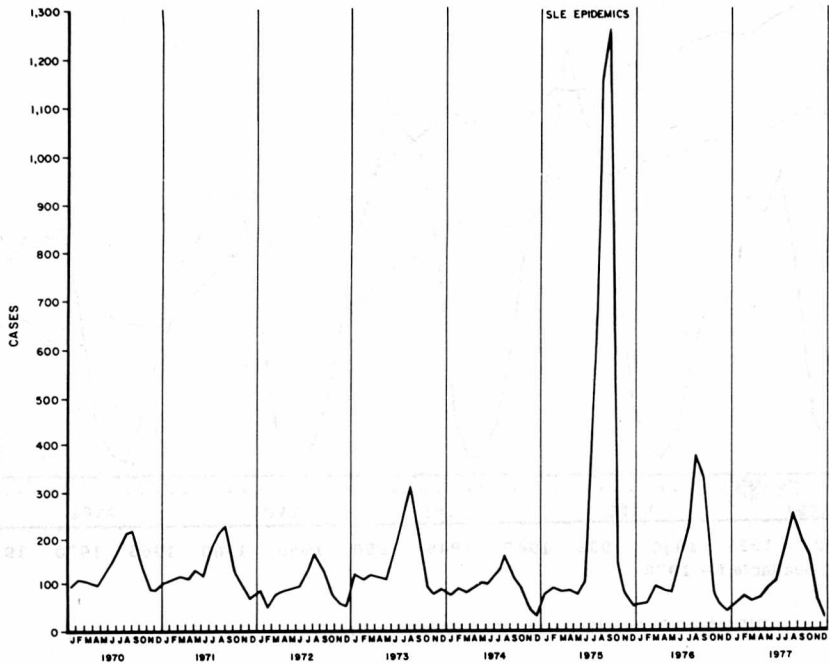
DIPHTHERIA — Reported Case Rates by Age Group, United States, 1978



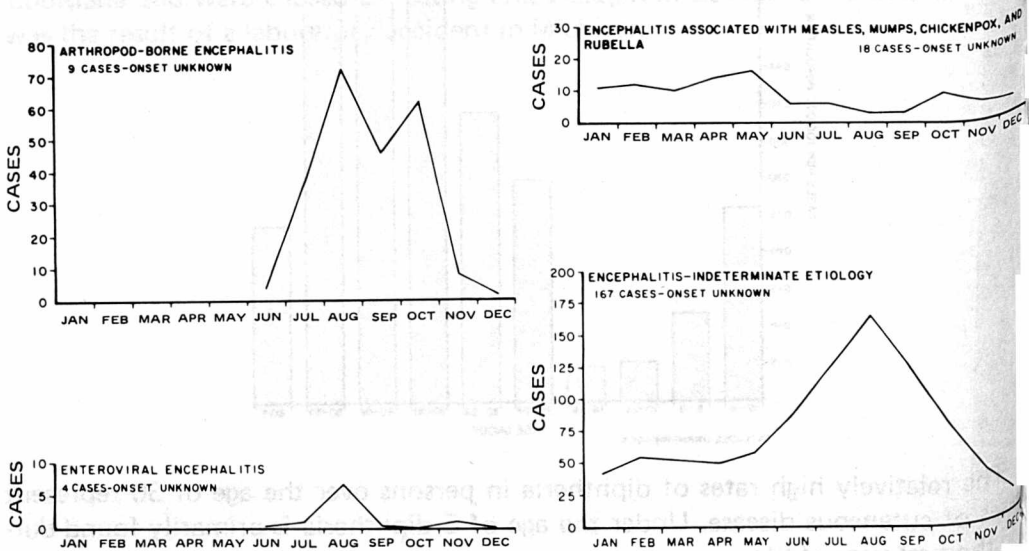
The relatively high rates of diphtheria in persons over the age of 30 represent cases of cutaneous disease. Under the age of 5 diphtheria is primarily found during the first year of life.

ENCEPHALITIS

ENCEPHALITIS — Reported Cases by Month of Onset, United States, 1970–1977



ENCEPHALITIS — Reported Cases by Etiology and Month, United States, 1977



ENCEPHALITIS — Reported Cases by Geographic Division and by State, United States, 1977

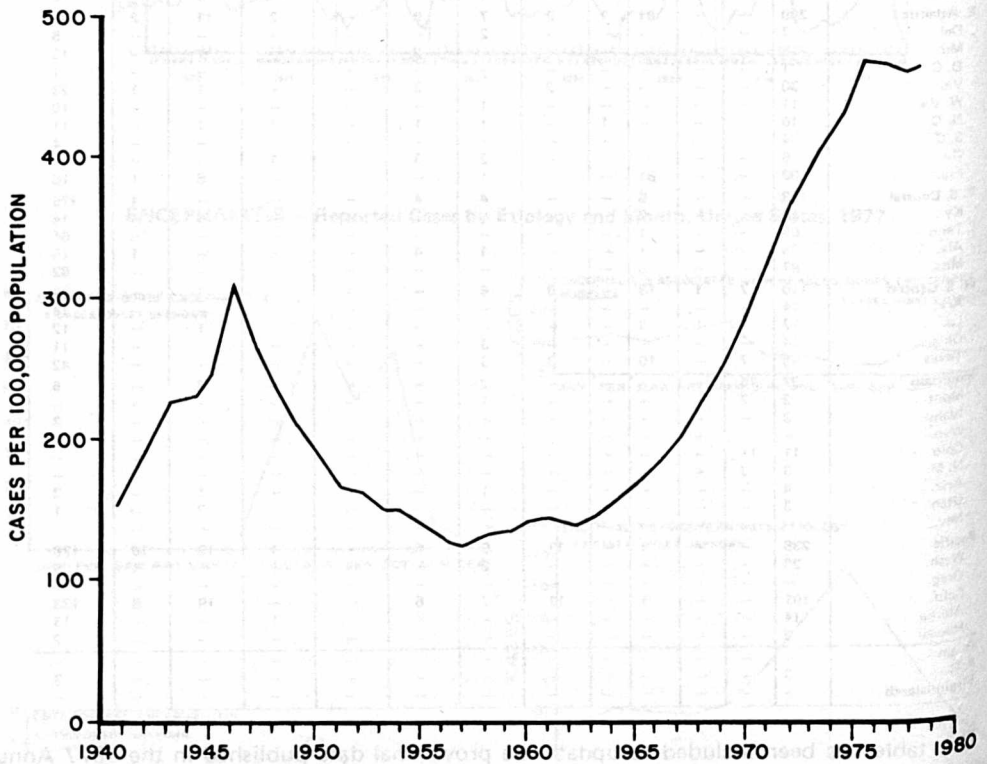
Area	Total	Arthropod-borne				Post Childhood Infections				Other Known Etiologies			Indeterminate Etiology
		WEE	EEE	SLE	CE	Measles	Mumps	Chicken-pox	Rubella	Enterovirus	Herpes simplex	Other	
United States	1,533	41	1	132	65	32	43	43	1	17	63	22	1,073
New England	44	—	—	—	1	4	—	4	—	—	2	1	32
Maine	—	—	—	—	—	—	—	—	—	—	—	—	—
N. H.	3	—	—	—	—	1	—	—	—	—	—	—	2
Vt.	—	—	—	—	—	—	—	—	—	—	—	—	—
Mass.	24	—	—	—	—	—	—	3	—	—	—	—	21
R. I.	1	—	—	—	—	—	—	1	—	—	—	—	—
Conn.	16	—	—	—	1	3	—	—	—	2	—	1	9
Mid. Atlantic	168	—	—	1	—	4	1	9	—	—	9	7	137
N. Y.	58	—	—	—	—	4	—	6	—	—	6	5	37
N. J.	39	—	—	1	—	—	—	1	—	—	1	—	36
Pa.	71	—	—	—	—	—	1	2	—	—	2	2	64
E. N. Central	467	1	—	27	50	5	13	11	1	10	15	—	334
Ohio	171	—	—	4	13	—	6	4	—	8	1	—	135
Ind.	93	—	—	10	5	4	—	2	—	—	3	—	69
Ill.	108	—	—	13	15	—	2	2	1	—	—	—	75
Mich.	51	—	—	—	—	—	3	2	—	—	4	—	42
Wis.	44	1	—	—	17	1	2	1	—	2	7	—	13
W. N. Central	89	17	—	—	13	3	1	—	—	4	3	1	47
Minn.	20	9	—	—	11	—	—	—	—	—	—	—	—
Iowa	19	1	—	—	2	2	—	—	—	3	—	—	11
Mo.	16	—	—	—	—	—	—	—	—	—	—	—	16
N. Dak.	5	3	—	—	—	—	—	—	—	—	—	—	2
S. Dak.	3	3	—	—	—	—	—	—	—	—	—	—	—
Nebr.	13	—	—	—	—	—	—	—	—	—	—	1	12
Kans.	13	1	—	—	—	1	1	—	—	—	—	—	6
S. Atlantic	200	—	—	81	1	2	7	9	—	2	11	2	85
Del.	7	—	—	—	—	—	2	—	—	—	—	—	5
Md.	16	—	—	—	—	—	—	2	—	—	1	—	13
D. C.	1	—	—	—	—	—	—	—	—	—	—	—	1
Va.	30	—	—	—	—	2	—	3	—	—	1	1	23
W. Va.	11	—	—	—	—	—	1	—	—	—	—	—	10
N. C.	16	—	—	—	1	—	1	1	—	1	1	—	11
S. C.	4	—	—	—	—	—	—	—	—	—	—	—	4
Ga.	6	—	—	—	—	2	3	—	—	1	—	—	—
Fla.	109	—	—	81	—	—	1	—	—	—	8	1	18
E. S. Central	193	—	—	9	—	—	4	4	—	—	—	1	175
Ky.	16	—	—	2	—	—	—	—	—	—	—	—	14
Tenn.	65	—	—	1	—	—	—	—	—	—	—	—	64
Ala.	25	—	—	1	—	—	4	4	—	—	—	1	15
Miss.	87	—	—	5	—	—	—	—	—	—	—	—	82
W. S. Central	110	7	1	13	—	3	6	—	—	—	1	—	79
Ark.	14	—	—	—	—	—	—	—	—	—	—	—	14
La.	17	—	1	3	—	—	—	—	—	—	1	—	12
Okla.	14	—	—	—	—	—	3	—	—	—	—	—	11
Texas	65	7	—	10	—	3	3	—	—	—	—	—	42
Mountain	27	16	—	—	—	—	2	—	—	—	3	—	6
Mont.	3	2	—	—	—	—	1	—	—	—	—	—	—
Idaho	3	—	—	—	—	—	—	—	—	—	—	—	3
Wyo.	—	—	—	—	—	—	—	—	—	—	—	—	—
Colo.	11	11	—	—	—	—	—	—	—	—	—	—	—
N. M.	3	3	—	—	—	—	—	—	—	—	—	—	—
Ariz.	4	—	—	—	—	—	1	—	—	—	1	—	2
Utah	3	—	—	—	—	—	—	—	—	—	2	—	1
Nev.	—	—	—	—	—	—	—	—	—	—	—	—	—
Pacific	235	—	—	1	—	11	9	6	—	1	19	10	178
Wash.	28	—	—	—	—	—	2	—	—	—	—	1	25
Oreg.	—	—	—	—	—	—	—	—	—	—	—	—	—
Calif.	191	—	—	1	—	11	7	6	—	—	19	9	138
Alaska	14	—	—	—	—	—	—	—	—	1	—	—	13
Hawaii	2	—	—	—	—	—	—	—	—	—	—	—	2
Guam	—	—	—	—	—	—	—	—	—	—	—	—	—
P. R.	3	—	—	—	—	—	—	—	—	—	—	—	3
Virgin Islands	—	—	—	—	—	—	—	—	—	—	—	—	—

This table has been included to update the provisional data published in the 1977 Annual Summary.

GONORRHEA

The sharp increase in the reporting of gonorrhea during the past decade appears to have leveled off. Both an actual increase in the occurrence of disease as well as improved case ascertainment are thought to be reasons for the earlier increase. The recent plateau in reported cases is thought to be due to disease-intervention activities initiated by health departments (e.g., screening high-risk populations for gonorrhea, providing sexual-partner referral services to patients with gonorrhea, and providing facts about venereal disease to people at risk to prevent exposure and to influence infected individuals to seek early medical care for themselves and their sexual partners). The geographic clustering may reflect a high incidence of disease as well as a high level of case detection. The impact of the introduction of penicillinase-producing *Neisseria gonorrhoeae* in 1976 has not been determined.

GONORRHEA — Reported Civilian Case Rates by Year, United States, Calendar Years 1941–1978



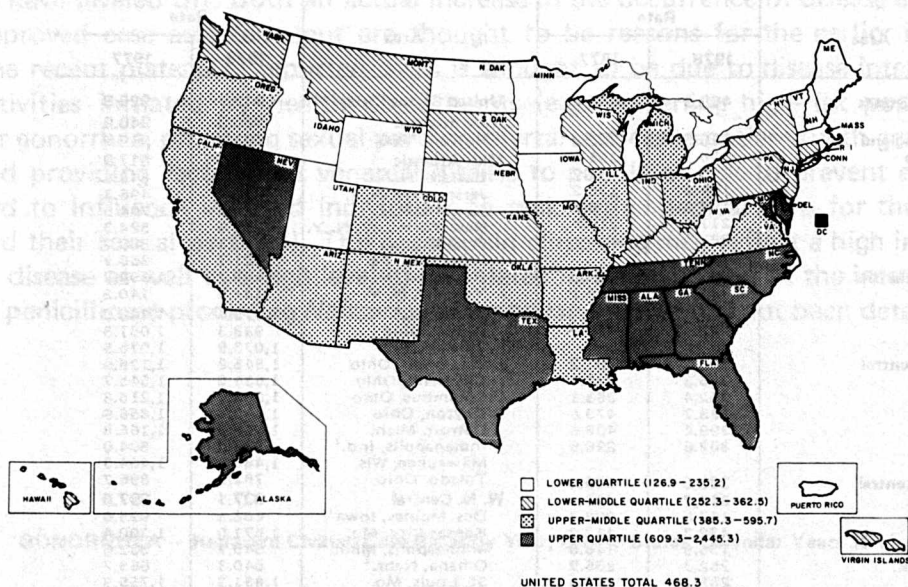
GONORRHEA — Reported Cases in Civilians per 100,000 Population by Geographic Division, by State, and by City,¹ United States, Calendar Years 1977 and 1978

Area	Rate		Area	Rate	
	1978	1977		1978	1977
United States	468.3	466.8	United States Cities	942.7	926.3
New England	210.5	222.2	New England	985.3	940.9
Maine	195.1	195.6	Boston, Mass.	985.3	940.9
N. H.	135.1	132.7	Mid. Atlantic	646.1	617.9
Vt.	126.9	135.2	Buffalo, N. Y.	779.0	848.6
Mass.	194.2	200.8	Jersey City, N. J.	531.7	496.3
R. I.	211.4	219.5	Newark, N. J.	1,875.3	1,784.5
Conn.	280.6	310.1	New York City, N. Y.	547.6	524.3
Mid. Atlantic	299.3	281.9	Philadelphia, Pa.	913.8	889.7
N. Y.	338.9	325.2	Pittsburgh, Pa. ²	421.1	366.7
N. J.	277.1	258.0	Rochester, N. Y.	1,489.7	1,398.2
Pa.	253.2	230.9	Yonkers, N. Y.	137.8	140.2
E. N. Central	393.7	391.2	E. N. Central	1,179.4	1,148.0
Ohio	385.3	389.1	Akron, Ohio	933.3	1,081.3
Ind.	292.4	283.1	Chicago, Ill.	1,073.9	1,075.5
Ill.	483.7	473.6	Cincinnati, Ohio	1,345.8	1,126.9
Mich.	399.4	403.6	Cleveland, Ohio	1,631.0	1,545.7
Wis.	302.6	296.9	Columbus, Ohio	1,293.0	1,215.8
W. N. Central	303.0	305.4	Dayton, Ohio	1,643.6	1,856.9
Minn.	212.7	228.4	Detroit, Mich.	1,203.5	1,166.8
Iowa	187.6	202.3	Indianapolis, Ind. ²	928.0	804.0
Mo.	472.3	443.2	Milwaukee, Wis.	1,487.5	1,404.3
N. Dak.	136.9	146.8	Toledo, Ohio	781.9	896.7
S. Dak.	252.3	235.9	W. N. Central	937.1	897.0
Nebr.	235.2	288.3	Des Moines, Iowa	608.5	695.0
Kans.	356.3	357.2	Kansas City, Mo.	1,671.0	1,300.4
S. Atlantic	712.5	727.6	Minneapolis, Minn. ²	545.7	562.6
Del.	609.3	556.0	Omaha, Nebr. ²	540.3	665.7
Md.	743.6	758.6	St. Louis, Mo.	1,831.2	1,755.9
D. C.	2,445.3	2,377.9	St. Paul, Minn.	484.0	615.5
Va.	480.8	496.5	Wichita, Kans. ²	735.1	558.3
W. Va.	178.2	186.8	S. Atlantic	1,573.6	1,588.7
N. C.	629.1	686.7	Atlanta, Ga. ²	3,358.3	3,346.5
S. C.	839.7	845.0	Baltimore, Md.	2,753.3	2,855.2
Ga.	920.0	946.1	Charlotte, N. C.	1,512.5	1,737.9
Fla.	710.5	704.4	Jacksonville, Fla.	1,082.8	1,113.0
E. S. Central	612.4	639.7	Miami, Fla. ²	802.6	759.3
Ky.	330.6	345.5	Norfolk, Va.	1,380.6	1,408.3
Tenn.	716.6	818.3	Richmond, Va.	1,805.3	1,836.4
Ala.	657.2	661.8	St. Petersburg, Fla. ²	486.3	490.4
Miss.	762.2	708.1	Tampa, Fla.	908.0	886.2
W.S. Central	613.7	587.1	Washington, D. C.	2,445.3	2,377.9
Ark.	456.2	449.7	E. S. Central	1,249.6	1,349.1
La.	568.1	500.2	Birmingham, Ala. ²	1,236.4	1,045.9
Okla.	445.9	442.3	Louisville, Ky. ²	883.2	865.2
Texas	691.4	668.6	Memphis, Tenn. ²	1,618.3	2,098.7
Mountain	382.5	409.7	Nashville, Tenn. ²	1,216.7	1,293.2
Mont.	273.0	285.8	W. S. Central	1,073.5	1,053.1
Idaho	183.5	210.0	Austin, Tex. ²	926.0	837.8
Wyo.	234.6	234.3	Corpus Christi, Tex. ²	512.3	478.3
Colo.	412.8	412.2	Dallas, Tex. ²	1,403.9	1,381.3
N. M.	462.0	497.9	El Paso, Tex. ²	454.5	473.0
Ariz.	432.3	489.8	Fort Worth, Tex. ²	935.5	898.0
Utah	162.7	199.0	Houston, Tex. ²	1,292.8	1,313.1
Nev.	870.3	896.0	New Orleans, La.	1,501.1	1,340.3
Pacific	557.2	551.3	Oklahoma City, Okla.	1,039.9	964.7
Wash.	362.5	335.4	San Antonio, Tex. ²	480.7	526.3
Oreg.	460.6	464.9	Tulsa, Okla.	934.1	904.1
Calif.	595.7	588.5	Mountain	585.9	605.6
Alaska	1,361.3	1,356.8	Albuquerque, N. M. ²	629.9	632.5
Hawaii	330.2	398.2	Denver, Colo.	1,164.4	1,119.6
Guam	14.3	19.0	Phoenix, Ariz. ²	420.4	454.7
P. R.	65.4	97.0	Tucson, Ariz. ²	393.9	451.4
V. I.	289.0	397.0	Pacific	727.9	696.1
			Honolulu, Hawaii	494.1	632.8
			Los Angeles, Calif. ²	712.7	686.3
			Oakland, Calif. ²	614.7	647.4
			Portland, Oreg. ²	885.6	816.9
			Sacramento, Calif. ²	582.6	636.1
			San Diego, Calif. ²	428.1	462.3
			San Francisco, Calif. ²	2,755.8	2,352.1
			San Jose, Calif. ²	472.5	416.9
			Seattle, Wash. ²	570.2	485.0
			San Juan, P. R. ²	160.1	198.3

¹ Restricted to cities with population of 200,000 or more in 1970.² County data or equivalent; Oakland is Alameda County less Berkeley.

GONORRHEA

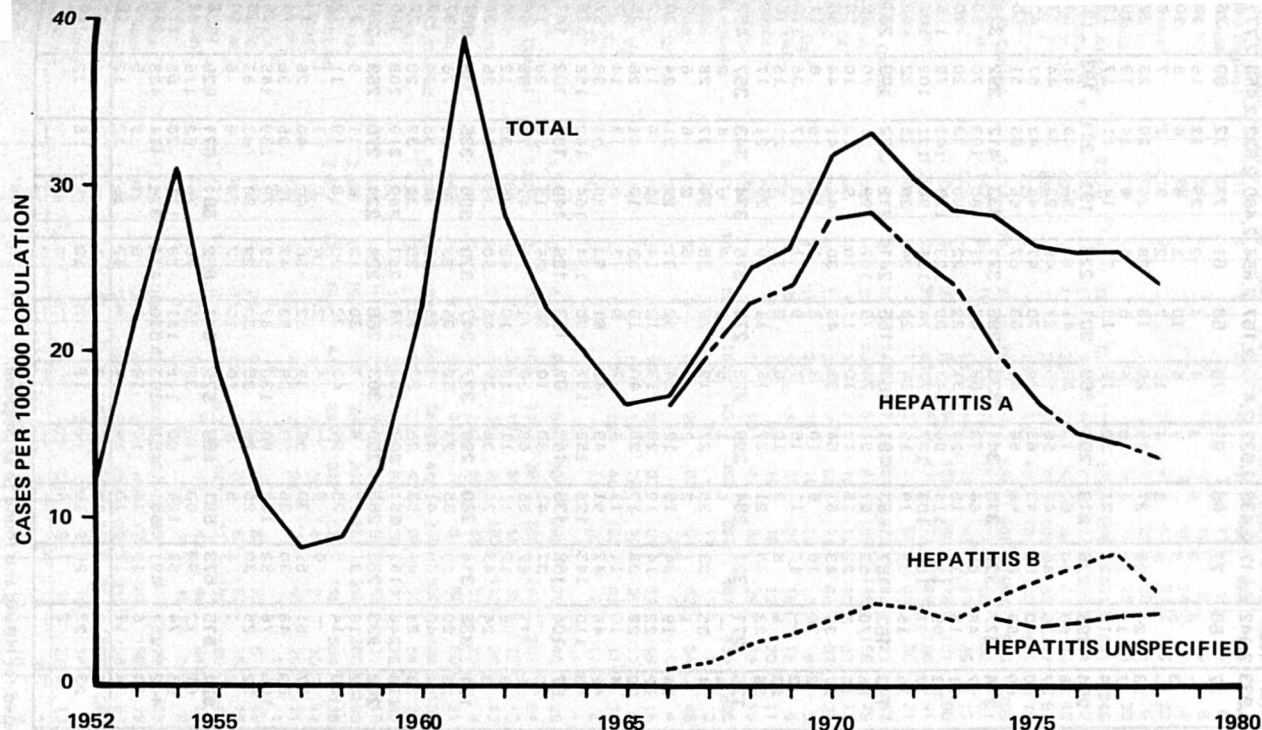
GONORRHEA — Reported Cases in Civilians per 100,000 Population by State, United States, 1978



GONORRHEA — Reported Cases in Civilians and Cases per 100,000 Population by Age and Sex, United States, 1977 and 1978

Age Group	Male			
	1977		1978	
	Cases	Rate	Cases	Rate
0-14	3,108	11.8	2,889	11.1
15-19	104,802	1005.3	101,701	977.6
20-24	232,404	2482.0	229,829	2409.9
25-29	141,309	1671.5	141,940	1648.0
30-39	87,026	657.8	91,365	660.7
40-49	20,627	188.3	21,467	196.3
50+	8,750	35.1	8,448	33.5
Total	598,026	576.8	597,639	571.8
Age Group	Female			
	1977		1978	
	Cases	Rate	Cases	Rate
0-14	8,979	35.5	9,069	36.5
15-19	148,185	1424.9	153,227	1481.7
20-24	155,407	1569.0	158,155	1568.7
25-29	59,064	665.0	60,434	669.3
30-39	26,108	185.4	27,995	190.7
40-49	4,631	39.8	4,946	42.6
50+	1,819	5.9	1,971	6.3
Total	404,193	364.1	415,797	371.5
Age Group	Total			
	1977		1978	
	Cases	Rate	Cases	Rate
0-14	12,087	23.4	11,958	23.5
15-19	252,987	1214.8	254,928	1228.9
20-24	387,811	2013.5	387,984	1977.6
25-29	200,373	1155.8	202,374	1147.0
30-39	113,134	414.2	119,360	418.7
40-49	25,258	111.8	26,413	117.1
50+	10,569	19.0	10,419	18.4
Total	1,002,219	466.8	1,013,436	468.3

HEPATITIS — Reported Case Rates by Year, United States, 1952–1978



Viral hepatitis continues to be one of the 5 most frequently reported infectious diseases in the United States. The total number of viral hepatitis cases reported for 1978, however, was the lowest since 1968; the case rate, the lowest reported since 1967. Decreases were found in 1978 in the case rates and in the number of cases of both hepatitis A and hepatitis B. Persons from 15 through 29 years of age continue to be the group most affected by hepatitis.

HEPATITIS A — Reported Cases by State and by Age, United States, 1978

Area	Total	<1	1-4	5-9	10-14	15-19	20-24	25-29	30-39	40-49	50-59	60+	Unk.
United States	28,835 ¹	59	847	2,476	2,002	3,637	5,890	4,445	4,067	1,813	1,357	1,069	1,173
New England	817	3	8	33	42	92	159	108	136	64	64	60	48
Maine	94	—	1	3	9	5	11	9	9	6	8	5	28
N. H.	67	—	1	7	10	9	12	6	9	5	3	5	—
Vt.	60	—	1	5	4	8	10	14	9	4	3	2	—
Mass.	313	2	3	8	15	41	67	37	56	23	23	26	12
R. I.	104	—	—	3	4	13	24	20	18	6	9	5	2
Conn.	179	1	2	7	—	16	35	22	35	20	18	17	6
Mid. Atlantic	2,576	—	28	110	119	325	555	391	461	246	177	147	17
Upstate N. Y.	685	—	12	33	40	91	123	98	124	72	48	33	11
N. Y. City	499 ²	—	11	38	26	49	86	61	99	46	38	41	4
N. J.	653	—	1	21	21	76	185	95	117	57	41	37	2
Pa.	739	—	4	18	32	109	161	137	121	71	50	36	—
E. N. Central	4,171	14	74	281	273	554	868	584	605	306	285	177	150
Ohio	1,147	5	10	70	78	151	224	158	169	81	78	58	65
Ind.	245	—	3	15	14	39	41	43	39	13	17	11	10
Ill.	1,304	5	27	96	98	168	266	178	181	90	106	51	38
Mich.	1,206	2	30	83	61	172	271	169	186	91	67	48	26
Wis.	269	2	4	17	22	24	66	36	30	31	17	9	11
W. N. Central	2,371	2	92	240	171	281	373	293	323	147	137	71	241
Minn.	942	—	23	104	60	97	169	145	156	79	59	36	14
Iowa	140	—	8	14	11	16	17	18	23	11	14	4	4
Mo.	552	—	13	27	27	63	71	66	58	23	20	12	172
N. Dak.	100	1	15	23	13	10	12	7	9	3	4	—	3
S. Dak.	242	1	25	46	38	35	27	16	18	5	13	3	15
Nebr.	126	—	5	10	6	18	19	12	20	11	12	6	7
Kans.	269	—	3	16	16	42	58	29	39	15	15	10	26
S. Atlantic	3,111 ¹	10	66	157	184	397	693	467	430	206	179	140	182
Del.	35	—	4	2	2	4	11	5	1	2	4	—	—
Md.	411	5	5	23 ²	29	62	81	62	54	46	23	16	5
D. C.	34	1	1	1	—	—	8	5	6	4	1	—	7
Va.	272	1	5	14	19	37	61	34	49	15	17	14	6
W. Va.	171	—	1	14	18	29	39	25	17	6	8	3	11
N. C.	331	—	5	7	15	46	103	49	11	34	20	11	—
S. C.	102	—	2	2	6	13	30	8	17	4	5	—	15
Ga.	— ¹	—	—	—	—	—	—	—	—	—	—	—	—
Fla.	1,755	3	43	94	95	206	360	279	245	95	101	96	138
E. S. Central	1,627	3	43	107	116	287	353	247	201	84	71	89	26
Ky.	268	1	2	24	19	56	58	35	23	13	14	9	14
Tenn.	687	1	27	34	34	98	163	113	98	42	29	47	1
Ala.	224	1	5	9	29	55	45	31	20	8	9	7	5
Miss.	448	—	9	40	34	78	87	68	60	21	19	26	6
W. S. Central	4,006	11	182	603	364	484	749	560	448	184	109	95	217
Ark.	427	3	3	32	26	47	98	72	54	27	13	18	34
La.	550	—	11	32	37	89	130	77	75	42	14	16	27
Okla.	333	—	11	33	21	35	59	53	31	15	12	13	50
Texas	2,696	8	157	506	280	313	462	358	288	100	70	48	106
Mountain	3,027	13	165	448	294	347	533	448	384	139	90	68	98
Mont.	196	—	12	30	22	26	41	21	20	11	7	4	2
Idaho	229	—	14	31	24	26	34	41	25	11	12	6	5
Wyo.	29	—	4	4	3	1	7	1	4	1	—	1	3
Colo.	477	—	23	67	40	53	83	72	67	29	16	19	8
N. M.	454	1	35	69	48	51	62	52	35	15	12	11	63
Ariz.	1,227	11	61	188	125	142	237	199	160	47	25	19	13
Utah	326	—	15	53	27	42	42	46	64	17	12	7	1
Nev.	89	1	1	6	5	6	27	16	9	8	6	1	3
Pacific	7,129	3	189	497	439	870	1,607	1,347	1,079	437	245	222	194
Wash.	932	1	26	91	70	98	179	161	156	76	30	30	14
Oreg.	1,105	1	28	81	70	109	222	219	198	57	51	45	24
Calif.	4,803	—	126	315	270	624	1,131	917	688	283	158	143	148
Alaska	130	1	8	9	23	16	22	19	14	8	—	3	7
Hawaii	159	—	1	1	6	23	53	31	23	13	6	1	1
Guam	46	—	—	1	—	13	5	8	3	1	—	—	15
P. R.	186	1	17	48	32	19	21	12	10	7	3	5	11
V. I.	9	—	—	—	—	1	—	1	4	2	—	—	1
Pac. Trust Terr.	—	—	—	—	—	—	—	—	—	—	—	—	—

¹ Cases reported by state of Georgia included in Hepatitis, unspecified.² Cases represent patients tested for HBsAg and found to be negative.

HEPATITIS

HEPATITIS B — Reported Cases by State and by Month, United States, 1978

Area	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	U.S. Total
United States	15,016	1,124	1,150	1,428	1,224	1,302	1,230	1,156	1,316	1,204	1,187	1,198	1,289	26,664
New England	598	59	45	53	55	60	50	39	55	39	43	56	44	618
Maine	23	1	3	1	2	2	4	1	2	3	2	1	2	33
N.H.	27	3	1	1	1	1	4	2	2	1	4	2	3	33
Vt.	19	1	1	2	—	—	—	—	2	2	1	3	3	33
Mass.	250	22	20	21	25	19	32	21	23	12	23	22	10	66
R.I.	72	9	5	12	4	6	2	6	5	4	5	8	8	21
Conn.	207	23	15	16	23	26	8	9	21	17	8	20	21	132
Mid. Atlantic	2,499	204	202	213	223	228	230	199	220	202	199	187	192	3,062
Upstate N.Y.	455	28	41	29	45	31	61	17	55	41	22	36	49	48
N.Y. City	493 ¹	32	31	49	41	57	36	21	44	31	55	48	48	48
N.J.	750	73	60	61	60	66	68	84	61	60	54	51	52	52
Pa.	801	71	70	74	77	74	65	77	60	70	68	52	43	43
E.N. Central	2,236	141	138	217	165	176	200	143	201	189	189	174	167	2,729
Ohio	474	17	12	16	18	33	40	29	34	35	49	31	26	26
Ind.	201	11	17	20	15	13	19	12	18	23	17	19	17	17
Ill.	705	46	54	96	57	44	78	44	59	69	46	54	58	60
Mich.	705	62	41	67	62	70	46	53	76	51	61	56	60	60
Wis.	151	5	14	18	13	16	17	5	14	11	16	14	6	6
W.N. Central	777	68	77	76	61	76	67	49	67	70	61	57	48	1,028
Minn.	253	26	28	24	25	27	22	12	19	28	16	18	8	8
Iowa	100	6	13	10	8	5	7	3	10	17	5	6	10	10
Mo.	231	14	20	18	13	27	25	25	23	11	14	19	22	22
N. Dak.	10	—	—	—	1	1	1	—	3	1	3	—	—	—
S. Dak.	14	1	—	1	1	1	1	1	5	1	—	—	2	2
Nebr.	53	5	6	4	6	6	4	4	4	2	6	2	4	4
Kans.	116	16	10	19	7	9	7	4	8	6	16	12	2	2
S. Atlantic	2,628	159	206	214	201	206	170	231	210	227	201	212	322	3,310
Del.	51	—	5	—	5	3	5	4	2	8	2	4	4	13
Md.	477	31	35	34	38	37	27	43	30	31	32	40	31	31
D.C.	72	1	8	6	13	4	3	—	7	5	18	3	3	3
Va.	331	41	23	29	26	25	14	29	28	28	28	27	33	33
W. Va.	56	5	5	4	2	10	4	6	7	4	3	3	3	3
N.C.	230	14	19	11	20	22	22	15	22	19	25	25	16	16
S.C.	152	10	15	8	6	8	6	25	11	20	12	21	21	9
Ga.	293	17	26	18	18	27	26	42	28	35	22	11	23	23
Fla.	966	40	70	104	73	70	63	67	75	77	59	78	190	190
E.S. Central	896	43	62	98	79	72	59	98	82	70	89	55	89	1,120
Ky.	164	4	—	19	16	25	4	23	20	18	17	11	11	7
Tenn.	490	29	44	45	50	25	37	43	36	39	44	34	64	64
Ala.	168	10	10	23	9	17	7	16	20	12	21	9	14	14
Miss.	74	—	8	11	4	5	11	16	6	1	7	1	1	1
W.S. Central	1,080	67	69	93	93	90	99	82	112	103	86	71	115	1,303
Ark.	125	8	11	5	10	11	18	8	11	7	12	9	15	15
La.	212	7	15	16	18	20	22	9	35	21	12	18	19	19
Okla.	157	6	4	21	16	14	13	19	8	14	15	8	8	8
Texas	586	46	39	51	49	45	46	46	58	61	47	36	62	62
Mountain	652	35	57	61	48	61	62	54	51	70	52	54	44	602
Mont.	27	—	8	2	1	—	1	4	3	5	—	1	1	1
Idaho	12	2	4	—	—	—	1	—	2	2	—	—	—	—
Wyo.	9	—	4	1	—	2	—	—	—	—	—	—	—	—
Colo.	243	4	10	31	16	26	14	16	26	31	30	15	15	15
N.M.	94	12	7	11	2	11	22	10	5	7	—	5	—	—
Ariz.	172	13	15	11	19	15	14	20	7	13	15	21	5	5
Utah	39	3	5	2	5	3	1	1	2	5	4	3	3	3
Nev.	56	1	4	3	5	4	9	3	6	7	3	8	8	8
Pacific	3,650	348	294	403	299	333	293	261	318	234	267	332	268	4,237
Wash.	223	15	16	31	15	29	18	13	22	16	15	15	18	18
Oreg.	393	39	38	30	52	30	43	36	24	34	21	16	16	30
Calif.	2,923	290	223	335	220	266	227	207	260	176	214	292	213	213
Alaska	46	3	8	3	4	3	1	2	4	3	7	4	4	4
Hawaii	65	1	9	4	8	5	4	3	8	5	10	5	5	3
Guam	14	1	3	1	1	—	2	1	2	—	1	1	1	1
P.R.	53	5	5	6	—	6	3	3	10	—	4	6	—	5
V.I.	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pac. Trust Terr.	—	—	—	—	—	—	—	—	—	—	—	—	—	—

¹ Cases represent patients tested for HBsAg and found to be positive.

HEPATITIS B — Reported Cases by State and by Age, United States, 1978

Area	Total	<1	1-4	5-9	10-14	15-19	20-24	25-29	30-39	40-49	50-59	60+	Unk.
United States	14,723¹	13	41	84	126	2,220	4,197	2,633	2,220	1,036	839	795	519
New England	598	—	1	3	1	93	154	96	90	55	45	42	18
Maine	23	—	—	2	—	1	4	4	1	4	1	3	3
N. H.	27	—	—	1	—	1	10	4	4	2	1	4	—
Vt.	19	—	—	—	—	7	2	3	4	1	1	1	—
Mass.	250	—	1	—	1	49	65	40	30	23	16	20	5
R. I.	72	—	—	—	—	8	27	15	11	3	2	3	—
Conn.	207	—	—	—	—	27	46	27	40	22	24	11	10
Mid. Atlantic	2,499	1	5	14	28	345	680	426	399	219	177	192	13
Upstate N. Y.	465	—	1	3	7	59	122	82	74	44	29	24	10
N. Y. City	493 ²	1	1	2	11	41	117	105	109	47	32	27	—
N. J.	750	—	—	7	6	124	206	111	102	58	63	70	3
Pa.	801	—	3	2	4	121	235	128	114	70	53	71	—
E. N. Central	2,236	3	5	11	23	331	624	406	342	163	152	109	67
Ohio	474	3	—	—	6	64	121	97	77	39	28	21	18
Ind.	201	—	—	1	1	31	54	37	35	11	9	15	7
Ill.	705	—	1	7	4	127	202	131	92	39	52	27	23
Mich.	705	—	4	2	11	91	202	115	112	60	52	39	17
Wis.	151	—	—	1	1	18	45	26	26	14	11	7	2
W. N. Central	777	1	3	3	5	119	241	119	102	58	35	36	55
Minn.	253	—	2	—	2	29	84	41	42	19	14	17	3
Iowa	100	—	—	—	1	22	23	18	16	8	4	3	5
Mo.	231	1	—	—	2	38	69	25	27	14	8	9	38
N. Dak.	10	—	—	—	—	2	2	5	—	—	—	—	—
S. Dak.	14	—	—	—	—	1	5	3	—	1	3	—	1
Nebr.	53	—	1	—	—	8	14	10	6	4	4	4	2
Kans.	116	—	—	3	—	19	44	17	11	11	2	3	6
S. Atlantic	2,335¹	2	11	10	27	315	568	417	360	169	139	163	154
Del.	51	—	—	—	1	4	4	4	2	—	—	1	35
Md.	477	1	3	3	5	53	124	92	100	37	20	21	18
D. C.	72	—	1	—	1	5	11	12	6	1	6	1	28
Va.	331	—	—	1	4	52	80	64	53	28	21	21	7
W. Va.	56	—	—	1	—	13	18	8	5	4	1	4	2
N. C.	230	1	—	—	5	41	72	44	28	16	10	13	—
S. C.	152	—	1	—	4	29	35	20	16	9	9	1	28
Ga.	—	—	—	—	—	—	—	—	—	—	—	—	—
Fla.	966	—	6	5	7	118	224	173	150	74	72	101	36
E. S. Central	896	—	1	5	6	153	269	140	133	58	53	50	28
Ky.	164	—	1	—	1	39	43	21	24	8	6	4	17
Tenn.	490	—	—	3	5	71	169	85	74	32	25	25	1
Ala.	168	—	—	2	—	29	36	28	23	14	21	9	6
Miss.	74	—	—	—	—	14	21	6	12	4	1	12	4
W. S. Central	1,080	2	2	14	9	189	337	197	134	56	48	49	43
Ark.	125	1	—	1	1	21	34	20	21	9	3	6	8
La.	212	1	1	2	2	48	70	27	18	11	10	7	15
Okla.	157	—	—	1	1	22	44	30	20	10	10	8	11
Texas	586	—	1	10	5	98	189	120	75	26	25	28	9
Mountain	652	2	4	3	7	75	197	138	75	47	40	25	39
Mont.	27	—	1	1	—	4	11	8	1	—	—	—	1
Idaho	12	—	—	—	—	1	6	1	1	2	—	1	—
Wyo.	9	—	—	—	1	2	3	—	—	1	1	1	—
Colo.	243	—	—	1	5	26	92	48	32	12	14	8	5
N. M.	94	—	1	—	1	5	10	12	10	11	11	6	27
Ariz.	172	2	1	1	—	27	53	40	19	10	8	6	5
Utah	39	—	—	—	—	5	6	12	7	5	3	1	—
Nev.	56	—	1	—	—	5	16	17	5	6	3	2	1
Pacific	3,650	2	9	21	20	600	1,127	694	585	211	150	129	102
Wash.	223	—	1	1	1	36	63	44	39	17	4	13	4
Oreg.	393	2	1	—	—	59	114	78	80	17	13	11	18
Calif.	2,923	—	5	19	18	497	923	540	454	168	126	100	73
Alaska	46	—	2	1	1	4	12	11	2	4	3	—	6
Hawaii	65	—	—	—	—	4	15	21	10	5	4	5	1
Guam	14	—	—	—	—	4	7	2	—	—	—	—	4
P. R.	53	—	—	—	—	11	9	10	9	3	2	4	5
V. I.	—	—	—	—	—	—	—	—	—	—	—	—	—
Pac. Trust Terr.	—	—	—	—	—	—	—	—	—	—	—	—	—

¹ Cases reported by state of Georgia included in Hepatitis, unspecified.² Cases represent patients tested for HBsAg and found to be positive.

HEPATITIS

HEPATITIS, UNSPECIFIED — Reported Cases by State and by Month, United States, 1978

Area	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
United States	8,776	545	658	711	679	676	742	611	852	780	761	765	966	30
NEW ENGLAND	189	12	15	12	19	21	9	8	28	11	19	16	19	—
Maine	14	—	—	—	—	1	1	—	5	6	1	—	—	—
N.H.	6	1	1	2	1	—	1	—	—	—	—	—	—	—
Vt.	9	—	1	—	3	2	1	—	—	—	1	1	—	—
Mass.	132	8	13	10	13	12	4	8	20	4	13	15	12	—
R. I.	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Conn.	28	3	—	—	2	6	2	—	3	1	4	—	7	—
Mid. Atlantic	928	49	70	77	82	93	101	55	97	86	75	70	73	—
Upstate N.Y.	280	12	28	13	15	24	30	21	40	24	24	19	30	—
N.Y. City	268 ¹	17	11	34	30	32	26	9	29	25	18	22	15	—
N.J.	216	13	22	25	16	20	27	11	13	22	19	18	10	—
Pa.	164	7	9	5	21	17	18	14	15	15	14	11	18	—
E.N. Central	665	35	61	69	63	49	56	49	64	64	58	50	47	—
Ohio	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Ind.	190	6	18	21	18	13	17	20	18	18	13	20	8	—
Ill.	179	8	27	23	18	14	12	7	13	15	21	6	15	—
Mich.	263	21	15	24	27	21	22	22	26	28	19	21	17	—
Wis.	33	—	1	1	—	1	5	—	7	3	5	3	7	—
W.N. Central	361	26	32	35	35	33	23	20	29	37	23	43	25	—
Minn.	12	—	—	1	1	—	—	—	—	4	3	2	1	—
Iowa	60	4	4	7	10	11	4	—	1	9	2	5	3	—
Mo.	192	12	22	18	15	15	12	10	24	18	10	19	17	—
N. Dak.	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S. Dak.	24	—	—	1	2	—	3	2	—	1	2	12	1	—
Nebr.	18	—	2	4	1	3	—	3	—	—	2	2	1	—
Kans.	55	10	4	4	6	4	4	5	4	5	4	3	2	—
S. Atlantic	1,175	58	63	60	82	72	111	67	89	130	134	83	202	24
Del.	11	2	1	—	—	—	1	3	1	2	—	1	—	—
Md.	172	7	6	6	11	12	16	10	12	16	26	16	10	24
D. C.	5	1	—	—	3	—	—	—	—	—	—	—	—	—
Va.	166	15	19	7	12	9	19	10	9	22	13	13	18	—
W. Va.	17	1	1	4	1	—	2	—	4	2	—	2	—	—
N.C.	128	9	5	14	14	13	17	6	8	8	11	4	19	—
S.C.	93	13	9	13	3	6	2	—	7	5	13	8	14	—
Ga.	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fla.	583	10	22	15	38	32	54	38	48	75	71	39	141	—
E.S. Central	164	7	8	16	23	5	6	15	22	13	24	11	14	—
Ky.	35	—	—	3	11	2	1	6	3	5	3	—	1	—
Tenn.	72	1	7	9	7	2	—	—	13	7	13	6	7	—
Ala.	57	6	1	4	5	1	5	9	6	1	8	5	6	—
Miss.	—	—	—	—	—	—	—	—	—	—	—	—	—	—
W.S. Central	1,670	79	143	130	117	120	103	118	189	168	135	131	237	—
Ark.	73	3	3	2	3	4	8	10	10	7	6	6	11	—
La.	193	3	11	19	15	10	19	8	31	21	21	22	13	—
Okla.	206	2	27	27	20	13	12	16	14	21	16	12	26	—
Texas	1,198	71	102	82	79	93	64	84	134	119	92	91	187	—
Mountain	1,406	72	99	102	94	93	131	110	160	96	118	162	163	—
Mont.	28	4	4	5	2	2	1	4	1	2	2	—	1	—
Idaho	16	—	2	3	—	4	—	—	1	2	—	3	1	—
Wyo.	8	—	1	1	—	—	—	—	—	3	2	1	—	—
Colo.	236	4	10	20	20	23	36	16	21	19	13	17	37	—
N.M.	115	13	8	5	9	4	17	8	12	7	12	12	2	—
Ariz.	813	49	64	52	50	40	70	64	105	37	65	104	113	—
Utah	150	2	7	13	11	17	3	15	16	22	23	19	2	—
Nev.	40	—	3	3	2	3	4	3	4	4	1	6	7	—
Pacific	2,218	207	167	210	164	190	202	169	174	175	175	199	186	—
Wash.	277	29	25	35	19	23	23	14	16	18	20	26	29	—
Oreg.	165	14	7	8	20	11	20	13	8	20	9	7	28	—
Calif.	1,733	161	135	167	121	150	158	139	145	134	139	162	122	—
Alaska	14	—	—	—	2	2	—	2	—	—	4	2	2	—
Hawaii	29	3	—	—	2	4	1	1	5	3	3	2	5	—
Guam	45	3	3	5	5	6	1	1	5	4	1	4	7	—
P. R.	211	12	26	34	15	15	19	11	15	17	12	19	16	—
V.I.	7	—	—	1	3	—	—	—	—	—	1	1	—	—
Pac. Trust Terr.	125	18	9	13	—	3	2	6	17	15	19	22	1	—

¹ Cases represent patients not tested for HBsAg.

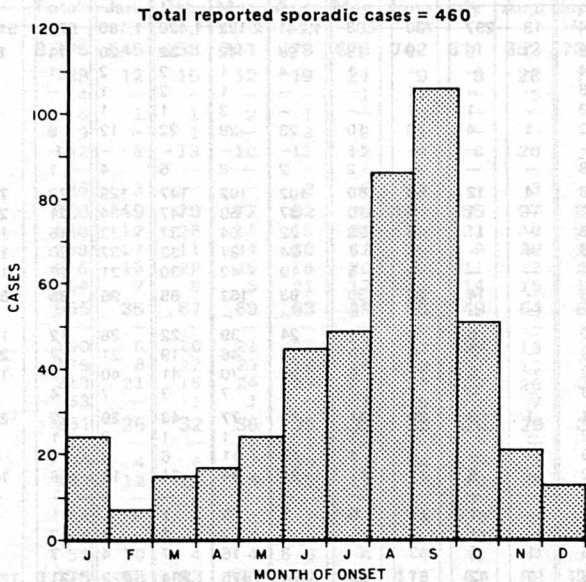
HEPATITIS, UNSPECIFIED — Reported Cases by State and by Age, United States, 1978

Area	Total	<1	1-4	5-9	10-14	15-19	20-24	25-29	30-39	40-49	50-59	60+	Unk.
United States	9,734¹	18	297	730	583	1,241	2,122	1,420	1,180	529	510	544	560
New England	189	1	5	9	13	29	42	32	20	11	10	10	7
Maine	14	—	—	—	1	4	1	2	2	1	—	—	3
N. H.	6	—	—	1	—	—	1	2	1	—	1	—	—
Vt.	9	—	1	1	—	—	3	1	1	—	—	2	—
Mass.	132	1	4	6	10	23	29	22	12	9	5	7	4
R. I.	—	—	—	—	—	—	—	—	—	—	—	—	—
Conn.	28	—	—	1	2	2	8	5	4	1	4	1	—
Mid. Atlantic	928	4	12	53	50	102	192	147	125	73	72	84	14
Upstate N. Y.	280	—	1	5	10	37	59	47	34	21	28	29	9
N. Y. City	268 ²	—	11	40	28	22	54	37	33	15	10	13	5
N. J.	216	4	—	3	7	24	37	33	37	20	19	32	—
Pa.	164	—	—	5	5	19	42	30	21	17	15	10	—
E. N. Central	665	—	14	20	30	93	162	85	96	35	55	54	21
Ohio	—	—	—	—	—	—	—	—	—	—	—	—	—
Ind.	190	—	6	2	11	24	39	22	28	12	14	24	8
Ill.	179	—	3	6	10	18	46	19	21	7	29	11	9
Mich.	263	—	5	11	9	50	70	41	40	12	11	11	3
Wis.	33	—	—	1	—	1	7	3	7	4	1	8	1
W. N. Central	361	1	9	29	21	45	77	43	29	22	20	30	35
Minn.	12	—	—	—	1	—	1	1	2	1	2	4	—
Iowa	60	—	—	4	4	13	11	6	8	3	4	4	3
Mo.	192	—	5	11	11	21	44	24	13	8	10	16	29
N. Dak.	—	—	—	—	—	—	—	—	—	—	—	—	—
S. Dak.	24	—	1	11	5	1	3	1	—	1	—	1	—
Nebr.	18	—	1	—	—	2	2	4	2	2	1	2	2
Kans.	55	1	2	3	—	8	16	7	4	7	3	3	1
S. Atlantic	2,133¹	2	42	61	85	274	475	284	272	121	123	152	242
Del.	11	—	—	—	—	2	1	2	—	—	1	3	2
Md.	172	—	4	5	4	18	37	28	29	10	13	18	6
D. C.	5	—	—	—	—	1	2	—	—	—	—	—	2
Va.	166	1	1	5	5	19	42	25	26	12	15	10	5
W. Va.	17	—	1	1	1	4	2	3	1	2	—	—	2
N. C.	128	1	2	1	—	18	28	16	17	9	22	14	—
S. C.	93	—	—	—	—	1	—	—	—	—	1	—	91
Ga.	958 ¹	—	12	11	20	147	249	125	126	67	44	48	109
Fla.	583	—	22	38	55	64	114	85	73	21	27	59	25
E. S. Central	164	2	2	4	7	24	32	17	21	11	11	28	5
Ky.	35	—	—	1	3	10	11	—	4	2	—	—	4
Tenn.	72	1	2	2	4	7	16	11	8	4	4	12	1
Ala.	57	1	—	1	—	7	5	6	9	5	7	16	—
Miss.	—	—	—	—	—	—	—	—	—	—	—	—	—
W. S. Central	1,670	4	62	217	122	238	324	242	160	66	69	55	111
Ark.	73	—	2	1	2	14	11	15	11	1	4	4	8
La.	193	—	5	4	15	36	58	22	16	8	11	8	10
Okla.	206	—	8	14	12	24	40	29	22	10	11	10	26
Texas	1,198	4	47	198	93	164	215	176	111	47	43	33	67
Mountain	1,406	4	80	176	131	158	279	189	181	61	51	31	65
Mont.	28	—	1	2	1	5	7	6	1	1	3	1	—
Idaho	16	—	—	—	—	—	5	4	3	2	2	—	—
Wyo.	8	—	—	—	—	—	2	4	1	1	—	—	—
Colo.	236	—	7	21	29	33	38	32	36	13	14	9	4
N. M.	115	—	8	17	12	18	10	6	14	3	1	5	21
Ariz.	813	3	47	117	69	83	176	113	101	30	27	13	34
Utah	150	1	17	19	17	16	23	18	19	9	4	1	6
Nev.	40	—	—	—	3	3	18	6	6	2	—	2	—
Pacific	2,218	—	71	161	124	278	539	381	276	129	99	100	60
Wash.	277	—	13	32	24	36	56	39	29	12	12	14	10
Oreg.	165	—	7	11	8	16	35	37	27	5	6	8	5
Calif.	1,733	—	51	118	90	221	438	297	211	109	78	76	44
Alaska	14	—	—	—	1	2	2	4	1	1	2	—	1
Hawaii	29	—	—	—	1	3	8	4	8	2	1	2	—
Guam	45	—	—	1	1	12	11	3	1	1	—	1	14
P. R.	211	—	9	27	17	27	33	22	23	16	7	11	19
V. I.	7	—	—	1	—	1	1	—	4	—	—	—	—
Pac. Trust Terr.	125	—	—	—	—	—	NA	—	—	—	—	—	125

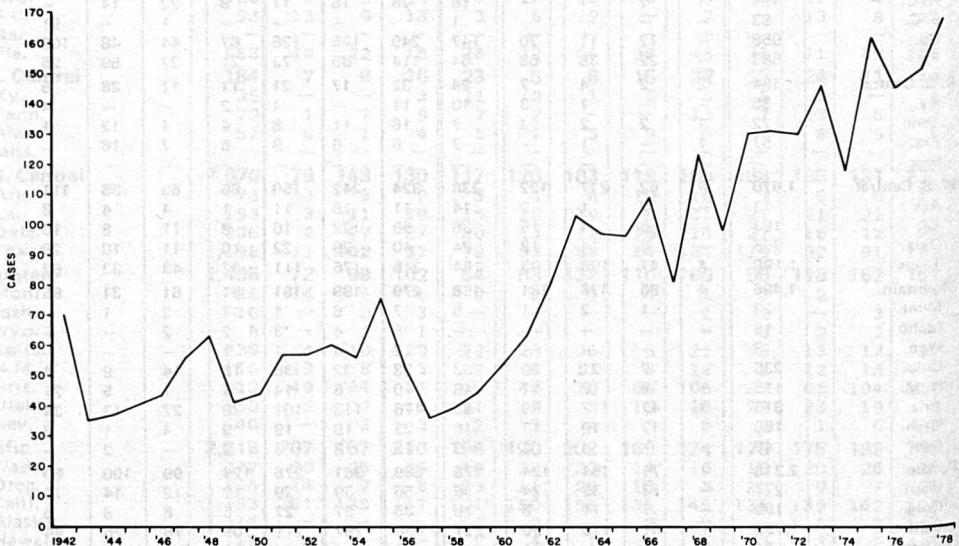
¹ Includes Hepatitis A (665 cases) and Hepatitis B (293 cases) reported by state of Georgia.² Cases represent patients not tested for HBsAg.

LEGIONNAIRES' DISEASE – LEPROSY

LEGIONNAIRES' DISEASE – Reported Sporadic Cases by Month of Onset, United States, 1978

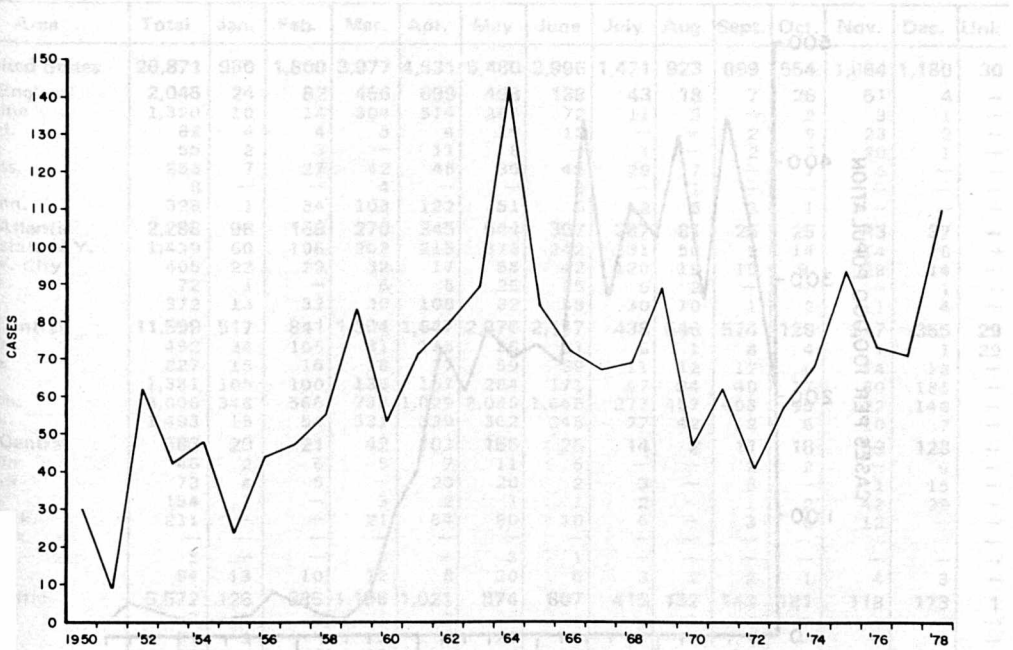


LEPROSY – Reported Cases by Year, United States, 1942–1978

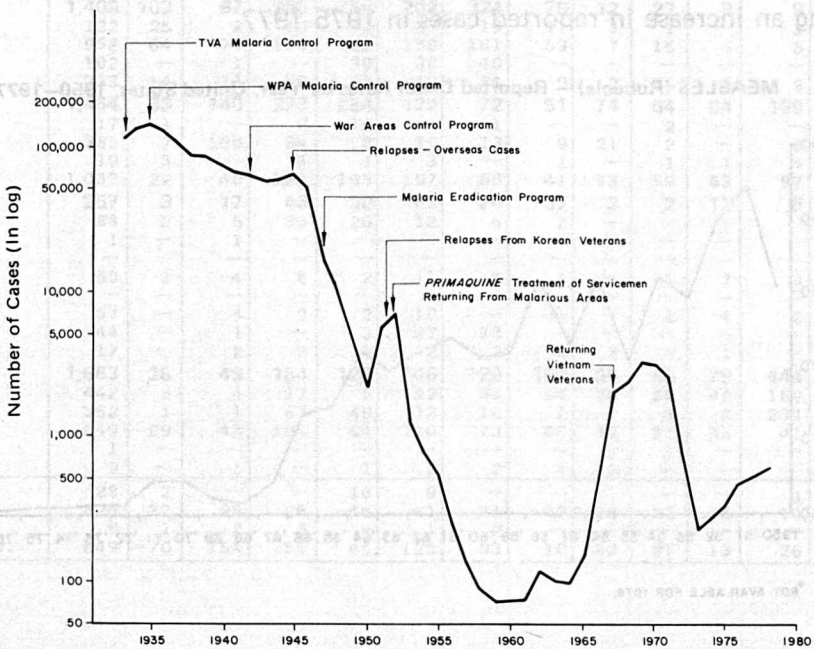


The increase in leprosy cases is most likely due to an increase in imported cases of disease.

LEPTOSPIROSIS – Reported Cases by Year, United States, 1950–1978

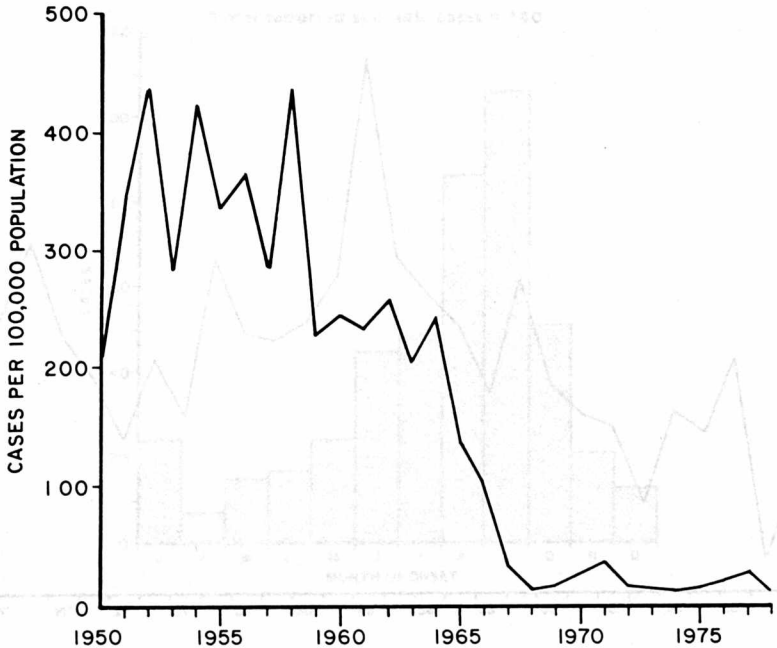


MALARIA – Reported Cases by Year, United States, 1933–1978



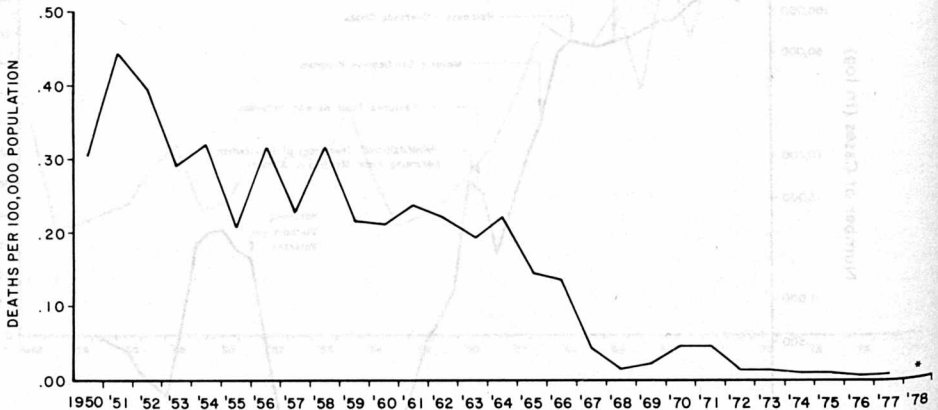
MEASLES

MEASLES (Rubeola) — Reported Case Rates by Year, United States, 1950–1978



The long-term decrease in the reported incidence of measles has resumed following an increase in reported cases in 1975-1977.

MEASLES (Rubeola) — Reported Death Rates by Year, United States, 1950–1977



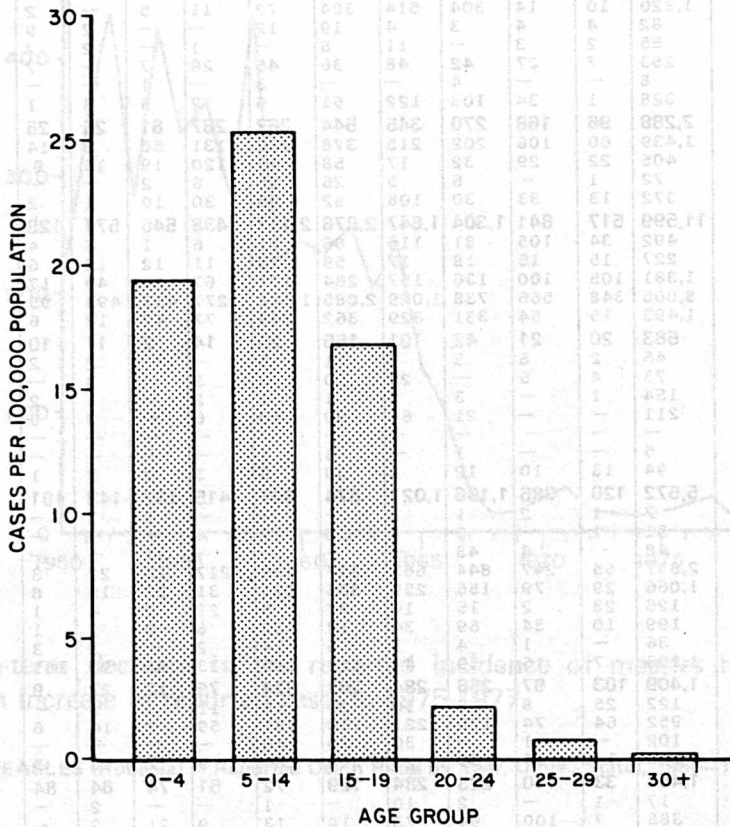
* NOT AVAILABLE FOR 1978.

MEASLES (Rubeola) — Reported Cases by State and by Month, United States, 1978

Area	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
United States	26,871	960	1,800	3,977	4,531	5,486	3,996	1,471	923	899	554	1,064	1,180	30
New England	2,046	24	82	456	699	498	138	43	18	7	26	51	4	—
Maine	1,320	10	14	304	514	384	72	11	5	—	2	3	1	—
N.H.	82	4	4	3	4	19	12	—	—	2	9	23	2	—
Vt.	55	2	3	—	11	8	—	1	—	2	7	20	1	—
Mass.	253	7	27	42	48	36	45	29	7	—	7	5	—	—
R.I.	8	—	—	4	—	—	3	—	1	—	—	—	—	—
Conn.	328	1	34	103	122	51	6	2	5	3	1	—	—	—
Mid. Atlantic	2,288	96	168	270	345	544	367	287	81	25	25	43	37	—
Upstate N.Y.	1,439	60	106	202	215	378	242	131	50	9	14	14	18	—
N.Y. City	405	22	29	32	17	58	42	120	19	15	9	28	14	—
N.J.	72	1	—	6	5	26	25	6	2	—	—	—	1	—
Pa.	372	13	33	30	108	82	58	30	10	1	2	1	4	—
E.N. Central	11,599	517	841	1,304	1,647	2,876	2,117	438	546	574	128	227	355	29
Ohio	492	34	105	81	115	86	21	6	1	8	4	1	1	29
Ind.	227	15	16	18	17	59	29	11	12	12	6	14	18	—
Ill.	1,381	105	100	136	157	284	171	67	34	49	17	80	181	—
Mich.	8,006	348	566	738	1,029	2,085	1,648	277	457	493	95	122	148	—
Wis.	1,493	15	54	331	329	362	248	77	42	12	6	10	7	—
N.N. Central	583	20	21	42	101	155	25	14	2	11	10	59	123	—
Minn.	46	2	6	5	7	11	5	—	—	2	2	—	6	—
Iowa	73	4	5	—	20	20	2	3	—	3	—	1	15	—
Mo.	154	1	—	3	2	1	1	2	—	1	2	42	99	—
N.Dak.	211	—	—	21	64	90	10	6	—	3	5	12	—	—
S.Dak.	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Nebr.	5	—	—	1	—	3	1	—	—	—	—	—	—	—
Kans.	94	13	10	12	8	30	6	3	2	2	1	4	3	—
Atlantic	5,572	126	385	1,196	1,021	874	807	415	132	143	181	118	173	1
Del.	7	1	2	1	1	—	—	—	1	1	—	—	—	—
Md.	51	1	—	5	8	26	7	4	—	—	—	—	—	—
D.C.	48	—	4	43	—	—	—	—	1	—	—	—	—	—
Va.	2,837	55	247	844	663	327	439	217	13	22	3	3	4	—
W. Va.	1,066	29	79	156	259	336	121	31	22	15	8	7	3	—
N.C.	125	23	2	15	10	37	5	22	2	4	1	1	3	—
S.C.	199	10	34	69	34	18	22	6	2	2	1	—	—	1
Ga.	36	—	1	4	1	6	14	2	—	3	3	2	—	—
Fla.	1,203	7	16	59	45	124	199	133	91	96	165	105	163	—
S.S. Central	1,409	103	97	256	284	202	324	79	12	27	9	8	8	—
Ky.	122	25	8	19	10	23	19	11	3	1	—	3	—	—
Tenn.	952	64	74	178	221	139	181	59	7	16	6	3	4	—
Ala.	102	—	1	—	30	30	40	—	—	—	—	—	1	—
Miss.	233	14	14	59	23	10	84	9	2	10	3	2	3	—
S.S. Central	1,454	33	140	223	284	129	72	51	74	64	84	109	191	—
Ark.	17	1	—	2	10	—	1	—	—	2	—	—	1	—
La.	385	7	100	94	78	19	13	9	21	2	—	8	34	—
Okla.	19	3	—	4	1	3	—	1	—	1	1	4	1	—
Texas	1,033	22	40	123	195	107	58	41	53	59	83	97	155	—
Mountain	257	3	17	46	30	62	26	37	3	2	12	5	14	—
Mont.	88	2	5	36	20	12	6	3	—	—	—	—	4	—
Idaho	1	—	1	—	—	—	—	—	—	—	—	—	—	—
Wyo.	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Colo.	50	1	4	6	2	11	5	1	—	1	7	3	9	—
N.M.	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Ariz.	57	—	4	2	2	10	—	31	—	1	4	2	1	—
Utah	44	—	1	—	3	27	13	—	—	—	—	—	—	—
Neuv.	17	—	2	2	3	2	2	2	3	—	1	—	—	—
Pacific	1,663	38	49	184	120	146	120	107	55	46	79	444	275	—
Wash.	442	8	4	17	6	22	35	54	20	20	42	169	45	—
Oreg.	562	1	1	63	49	12	10	6	—	4	2	234	180	—
Calif.	649	29	43	104	64	110	73	46	33	21	35	41	50	—
Alaska	1	—	—	—	—	—	—	—	—	1	—	—	—	—
Hawaii	9	—	1	—	1	2	2	1	2	—	—	—	—	—
Trust Terr.	28	2	—	—	16	9	—	—	—	—	—	1	—	—
	326	22	26	26	46	41	41	19	28	22	15	14	26	—
	9	1	2	3	—	1	2	—	—	—	—	—	—	—
	649	70	154	55	45	125	93	10	32	21	13	26	5	—

MEASLES

MEASLES (Rubeola) — Reported Case Rates by Age Group*, United States, 1978



*EXCLUDES UNKNOWN AGES.

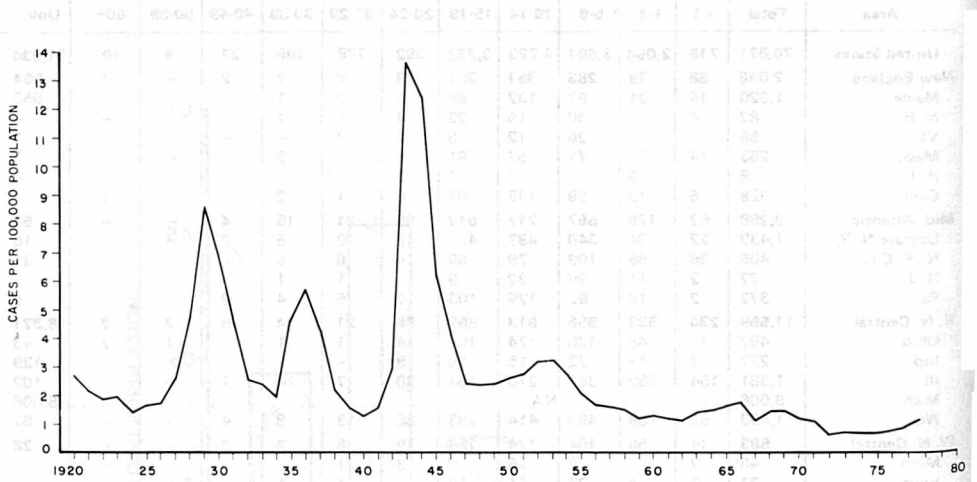
The relatively large number of cases among adolescents and young adults reflects the recent upward shift in the age distribution of reported cases, attributable to incomplete or inadequate immunization in these populations.

MEASLES (Rubeola) — Reported Cases by State and by Age, United States, 1978

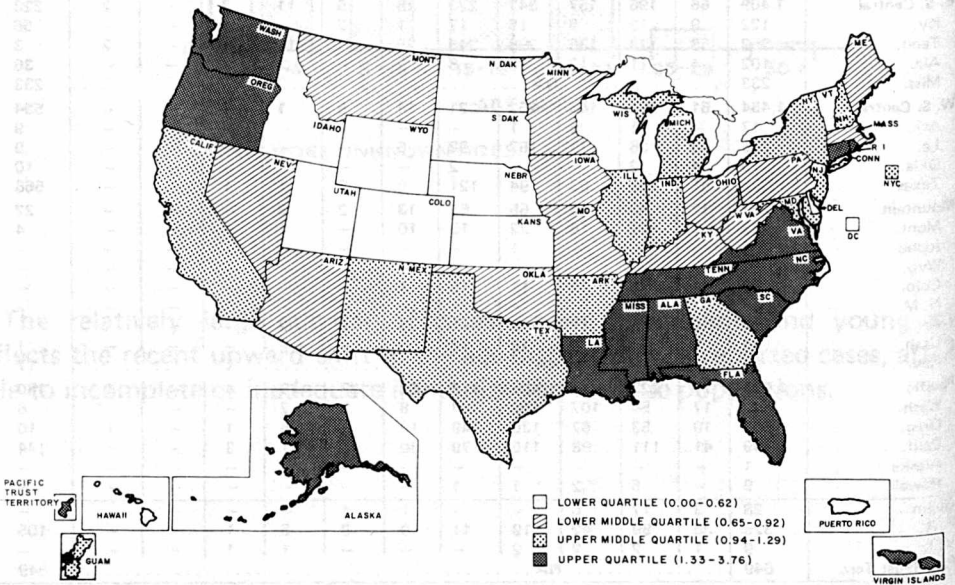
Area	Total	<1	1-4	5-9	10-14	15-19	20-24	25-29	30-39	40-49	50-59	60+	Unk.
United States	26,871	718	2,054	3,601	4,723	3,273	392	129	106	27	4	10	11,834
New England	2,046	38	78	283	351	301	23	8	7	2	—	1	954
Maine	1,320	14	31	97	132	84	5	3	1	—	—	—	953
N. H.	82	4	4	30	15	23	4	1	1	—	—	—	—
Vt.	55	—	7	26	12	5	1	3	—	—	—	—	1
Mass.	253	14	21	71	57	81	5	—	3	1	—	—	—
R. I.	8	—	3	—	2	1	2	—	—	—	—	—	—
Conn.	328	6	12	59	133	107	6	1	2	1	—	1	—
Mid. Atlantic	2,288	52	179	567	717	612	69	21	15	4	—	—	52
Upstate N. Y.	1,439	22	84	340	487	431	43	9	5	2	—	—	16
N. Y. City	405	26	66	109	79	69	14	6	5	—	—	—	31
N. J.	72	2	11	26	22	9	—	1	1	—	—	—	—
Pa.	372	2	18	92	129	103	12	5	4	2	—	—	5
E. N. Central	11,599	234	533	956	813	552	86	21	24	5	2	2	8,371
Ohio	492	11	48	100	174	107	4	1	1	—	1	2	43
Ind.	227	7	17	22	15	18	8	—	1	—	—	—	139
Ill.	1,381	154	280	381	210	194	38	7	14	1	—	—	102
Mich.	8,006	—	—	—	NA	—	—	—	—	—	—	—	8,006
Wis.	1,493	62	188	453	414	233	36	13	8	4	1	—	81
W. N. Central	583	14	50	104	174	184	19	6	2	2	—	—	28
Minn.	46	2	8	8	16	8	3	1	—	—	—	—	—
Iowa	73	2	4	23	31	10	—	1	1	—	—	—	1
Mo.	154	2	10	22	40	67	1	2	—	—	—	—	10
N. Dak.	211	4	15	25	67	76	6	1	—	1	—	—	16
S. Dak.	—	—	—	—	—	—	—	—	—	—	—	—	—
Nebr.	5	—	4	1	—	—	—	—	—	—	—	—	—
Kans.	94	4	9	25	20	23	9	1	1	1	—	—	1
S. Atlantic	5,572	164	594	1,068	1,605	663	83	33	24	7	2	4	1,325
Del.	7	1	3	2	1	—	—	—	—	—	—	—	—
Md.	51	3	8	11	20	6	2	1	—	—	—	—	—
D. C.	48	—	—	—	NA	—	—	—	—	—	—	—	48
Va.	2,837	112	399	835	1,012	323	29	15	5	1	1	—	105
W. Va.	1,066	—	—	—	NA	—	—	—	—	—	—	—	1,066
N. C.	125	5	17	29	51	17	4	1	1	—	—	—	—
S. C.	199	8	25	25	42	48	13	3	2	2	—	—	31
Ga.	36	1	4	2	2	2	3	—	2	1	—	1	18
Fla.	1,203	34	138	164	477	267	32	13	14	3	1	3	57
E. S. Central	1,409	66	196	157	341	273	28	5	11	2	—	2	328
Ky.	122	9	12	9	15	17	1	2	—	1	—	—	56
Tenn.	952	53	173	136	298	248	25	3	10	1	—	2	3
Ala.	102	4	11	12	28	8	2	—	1	—	—	—	36
Miss.	233	—	—	—	NA	—	—	—	—	—	—	—	233
W. S. Central	1,454	61	161	143	252	221	14	6	1	1	—	—	594
Ark.	17	—	1	6	1	—	—	—	—	—	—	—	9
La.	385	6	36	73	157	98	6	—	—	—	—	—	9
Okla.	19	4	2	1	—	2	—	—	—	—	—	—	10
Texas	1,033	51	122	63	94	121	8	6	1	1	—	—	566
Mountain	257	12	40	49	65	51	13	2	3	—	—	—	22
Mont.	88	1	21	16	22	13	10	—	1	—	—	—	4
Idaho	1	—	—	—	1	—	—	—	—	—	—	—	—
Wyo.	—	—	—	—	—	—	—	—	—	—	—	—	—
Colo.	50	4	6	13	11	15	1	—	—	—	—	—	—
N. M.	—	—	—	—	—	—	—	—	—	—	—	—	—
Ariz.	57	2	8	17	13	11	2	2	2	—	—	—	—
Utah	44	5	5	3	18	12	—	—	—	—	—	—	1
Nev.	17	—	—	—	NA	—	—	—	—	—	—	—	17
Pacific	1,663	77	223	274	405	416	57	27	19	4	—	1	160
Wash.	442	17	54	107	159	87	8	2	2	—	—	—	6
Oreg.	562	19	53	67	130	249	19	8	5	1	—	1	10
Calif.	649	41	111	98	115	79	30	17	11	3	—	—	144
Alaska	1	—	—	—	—	—	—	—	1	—	—	—	—
Hawaii	9	—	5	2	1	1	—	—	—	—	—	—	—
Guam	28	3	17	6	—	1	1	1	—	—	—	—	—
P. R.	326	36	89	42	19	11	9	9	5	1	—	—	105
V. I.	9	1	2	2	2	—	—	—	1	1	—	—	—
Pac. Trust Terr.	649	—	—	—	NA	—	—	—	—	—	—	—	649

MENINGOCOCCAL INFECTIONS

MENINGOCOCCAL INFECTIONS (Total) – Reported Case Rates by Year, United States, 1920–1978



MENINGOCOCCAL INFECTIONS (Total) – Reported Cases per 100,000 Population by State, United States, 1978



UNITED STATES TOTAL 1.15

MENINGOCOCCAL INFECTIONS

MENINGOCOCCAL INFECTIONS (Total) - Reported Cases by State and by Month, United States, 1978

Area	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
United States	2,505	188	277	275	266	252	182	162	144	118	157	190	258	36
New England	143	12	14	15	13	12	10	15	8	4	10	14	16	-
Maine	9	1	2	-	-	1	1	-	-	2	-	2	-	-
N.H.	11	1	1	2	1	1	-	2	-	1	1	-	1	-
Vt.	3	-	1	-	1	-	-	-	-	-	-	1	-	-
Mass.	53	7	2	4	8	3	3	9	5	1	2	4	5	-
R.I.	20	1	3	5	2	2	2	1	-	-	2	1	1	-
Conn.	47	2	5	4	1	5	4	3	3	-	5	6	9	-
Mid. Atlantic	391	33	29	38	40	59	32	26	32	13	26	30	30	3
Upstate N.Y.	137	10	15	8	14	18	8	10	18	3	10	8	15	7
N.Y. City	88	11	3	9	8	14	10	5	7	2	4	8	7	-
N.J.	77	6	4	9	10	11	7	4	4	5	5	8	4	-
Pa.	89	6	7	12	8	16	7	7	3	3	7	6	4	3
E.N. Central	370	26	35	34	36	23	24	15	19	14	34	41	37	32
Ohio	98	7	7	3	8	1	7	1	3	5	9	11	4	32
Ind.	57	5	5	3	5	4	5	8	4	3	4	6	5	-
Ill.	110	8	13	13	15	7	7	5	8	4	10	4	16	-
Mich.	87	5	9	13	4	10	3	1	4	2	11	13	12	-
Wis.	18	1	1	2	4	1	2	-	-	-	-	7	-	-
W.N. Central	108	10	7	12	6	12	8	8	2	9	12	9	13	-
Minn.	26	2	3	-	-	4	1	4	2	3	3	3	1	-
Iowa	21	2	-	3	2	3	-	2	-	2	1	2	4	-
Mo.	41	5	3	5	3	3	4	-	-	1	7	4	6	-
N. Dak.	3	-	-	-	1	2	-	-	-	-	-	-	-	-
S. Dak.	4	-	-	2	-	-	-	-	-	1	-	-	1	-
Nebr.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kans.	13	1	1	2	-	-	3	2	-	2	1	-	1	-
S. Atlantic	585	52	87	69	64	46	41	36	22	33	34	40	60	1
Del.	2	-	-	-	1	-	-	1	-	-	-	-	-	-
Md.	41	7	4	5	5	2	2	1	3	3	4	1	3	1
D.C.	2	-	-	1	-	-	-	-	-	-	1	-	-	-
Va.	73	6	7	12	9	6	2	8	2	2	4	8	7	-
W. Va.	17	1	3	1	-	-	3	1	-	3	1	3	1	-
N. C.	110	8	21	14	8	10	9	8	10	1	6	6	9	-
S. C.	43	4	7	3	3	2	2	2	-	6	3	5	6	-
Ga.	65	9	10	8	7	7	3	2	1	3	6	6	3	-
Fla.	232	17	35	25	31	19	20	13	6	15	9	11	31	-
E.S. Central	196	7	24	26	21	21	12	18	7	11	12	13	24	-
Ky.	31	4	6	1	4	1	4	5	3	-	2	1	-	-
Tenn.	58	1	7	10	5	3	2	3	1	6	3	3	14	-
Ala.	52	1	7	6	7	9	5	5	3	3	1	2	3	-
Miss.	55	1	4	9	5	8	1	5	-	2	6	7	7	-
W.S. Central	339	19	37	37	41	41	31	18	38	11	7	16	43	-
Ark.	26	4	2	6	1	1	3	3	1	-	1	-	4	-
La.	149	1	17	9	16	23	14	6	23	3	4	5	28	-
Okla.	20	1	4	3	5	2	-	-	-	-	2	3	-	-
Texas	144	13	14	19	19	15	14	9	14	8	2	9	8	-
Mountain	55	2	4	6	9	8	4	1	4	5	9	2	1	-
Mont.	7	1	-	1	-	-	-	-	1	1	1	1	-	-
Idaho	4	-	-	1	1	-	-	-	-	-	-	-	-	-
Wyo.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Colo.	3	-	-	-	2	-	-	-	-	1	-	-	-	-
N. M.	12	-	2	-	-	2	3	-	-	-	5	-	-	-
Ariz.	16	1	1	2	3	4	1	-	2	2	-	-	-	-
Utah	7	-	-	1	3	-	-	-	1	-	-	-	-	-
Nev.	6	-	-	1	-	2	-	-	-	-	1	1	1	-
Pacific	318	27	40	38	36	30	20	25	12	18	13	25	34	-
Wash.	56	6	9	5	5	6	3	4	-	5	-	6	7	-
Oreg.	39	3	1	-	-	5	3	9	4	3	1	-	10	-
Calif.	209	17	28	33	29	18	13	11	8	10	9	17	16	-
Alaska	11	1	2	-	2	-	-	1	-	-	2	1	-	-
Hawaii	3	-	-	-	-	1	1	-	-	-	1	-	-	-
P.R.	1	-	-	-	-	-	-	-	-	-	-	1	-	-
V.I.	13	-	-	1	-	1	-	3	1	1	1	2	3	-
P.I.	5	-	-	-	3	-	-	-	-	1	-	-	-	-
Spec. Trust Terr.	2	-	-	-	-	-	-	-	-	-	-	-	-	2

MENINGOCOCCAL INFECTIONS

MENINGOCOCCAL INFECTIONS (Total) — Reported Cases by State and by Age, United States, 1978

Area	Total	<1	1-4	5-9	10-14	15-19	20-24	25-29	30-39	40-49	50-59	60+	Unk.
United States	2,505	489	640	191	175	270	129	85	83	96	83	119	145
New England	143	31	28	5	10	34	3	3	3	6	4	10	6
Maine	9	1	2	1	—	—	—	—	—	—	—	—	4
N. H.	11	2	2	1	—	3	—	—	—	3	—	—	—
Vt.	3	2	—	—	1	—	—	—	—	—	—	—	—
Mass.	53	10	15	—	4	12	1	2	1	1	1	5	1
R. I.	20	8	1	—	2	8	—	1	—	—	—	—	—
Conn.	47	8	8	3	3	11	2	—	2	2	3	4	1
Mid. Atlantic	391	59	74	40	31	46	26	22	16	21	19	32	5
Upstate N. Y.	137	22	30	15	12	13	11	7	2	5	6	12	2
N. Y. City	88	17	17	10	8	9	5	4	8	4	3	3	—
N. J.	77	6	11	6	5	11	6	6	1	6	5	11	3
Pa.	89	14	16	9	6	13	4	5	5	6	5	6	—
E. N. Central	370	99	82	22	24	48	20	8	17	18	6	17	9
Ohio	98	28	29	5	3	11	5	3	3	2	1	3	5
Ind.	57	14	16	1	7	5	2	1	3	3	2	3	—
Ill.	110	25	19	9	8	16	8	2	5	9	1	6	2
Mich.	87	29	17	5	4	13	3	1	2	4	2	5	2
Wis.	18	3	1	2	2	3	2	1	4	—	—	—	—
W. N. Central	108	23	28	9	4	9	6	5	3	6	3	6	6
Minn.	26	4	6	4	1	—	3	2	2	1	2	1	—
Iowa	21	4	7	—	—	4	1	1	1	1	1	—	1
Mo.	41	11	10	3	—	4	—	2	—	4	—	3	4
N. Dak.	3	1	—	—	2	—	—	—	—	—	—	—	—
S. Dak.	4	—	2	1	—	—	—	—	—	—	—	1	—
Nebr.	—	—	—	—	—	—	—	—	—	—	—	—	—
Kans.	13	3	3	1	1	1	2	—	—	—	—	1	1
S. Atlantic	585	98	139	49	45	62	34	16	19	20	22	25	56
Del.	2	—	—	—	1	1	—	—	—	—	—	—	—
Md.	41	7	7	4	4	6	3	1	1	3	2	3	—
D. C.	2	1	—	—	—	1	—	—	—	—	—	—	—
Va.	73	14	19	6	4	12	4	2	2	2	1	4	3
W. Va.	17	5	5	2	2	1	—	—	—	—	1	—	1
N. C.	110	22	29	5	9	12	11	2	5	4	5	5	1
S. C.	43	7	16	7	2	2	2	—	—	2	2	—	3
Ga.	65	14	17	5	4	3	2	1	1	1	2	—	15
Fla.	232	28	46	20	19	24	12	10	10	8	9	13	33
E. S. Central	196	53	60	13	15	9	9	8	6	7	5	4	7
Ky.	31	13	8	1	3	—	2	1	—	2	1	—	—
Tenn.	58	13	17	5	6	3	3	3	3	—	3	2	—
Ala.	52	12	22	2	1	4	2	4	1	2	1	1	—
Miss.	55	15	13	5	5	2	2	—	2	3	—	1	7
W. S. Central	339	71	133	31	20	23	12	9	6	8	12	6	8
Ark.	26	5	7	4	3	2	—	—	—	—	2	1	2
La.	149	35	68	12	7	6	3	6	1	1	7	1	2
Okla.	20	3	6	2	2	2	2	1	1	—	—	—	1
Texas	144	28	52	13	8	13	7	2	4	7	3	4	3
Mountain	55	9	12	3	3	8	2	1	1	2	2	3	9
Mont.	7	—	2	—	1	3	1	—	—	—	—	—	—
Idaho	4	1	—	1	1	—	—	—	—	—	—	1	—
Wyo.	—	—	—	—	—	—	—	—	—	—	—	—	—
Colo.	3	—	1	—	—	2	—	—	—	—	—	—	—
N. M.	12	3	4	1	—	1	—	1	1	—	—	—	—
Ariz.	16	3	4	1	1	1	—	—	—	2	2	2	—
Utah	7	2	1	—	—	1	1	—	—	—	—	—	2
Nev.	6	—	—	—	—	—	—	—	—	—	—	—	6
Pacific	318	46	84	19	23	31	17	13	12	8	10	16	39
Wash.	56	12	18	5	2	6	1	4	1	—	2	4	1
Oreg.	39	6	16	2	2	3	—	4	1	2	1	2	—
Calif.	209	24	46	10	17	22	16	5	9	5	7	10	38
Alaska	11	4	3	1	2	—	—	—	1	—	—	—	—
Hawaii	3	—	1	1	—	—	—	—	1	—	—	—	—
Guam	1	—	1	—	—	—	—	—	—	—	—	—	—
P. R.	13	2	1	2	3	1	—	—	—	1	—	1	2
V. I.	5	—	3	—	1	—	—	—	1	—	—	—	—
Pac. Trust Terr.	2	—	—	—	—	—	—	—	—	—	—	—	2

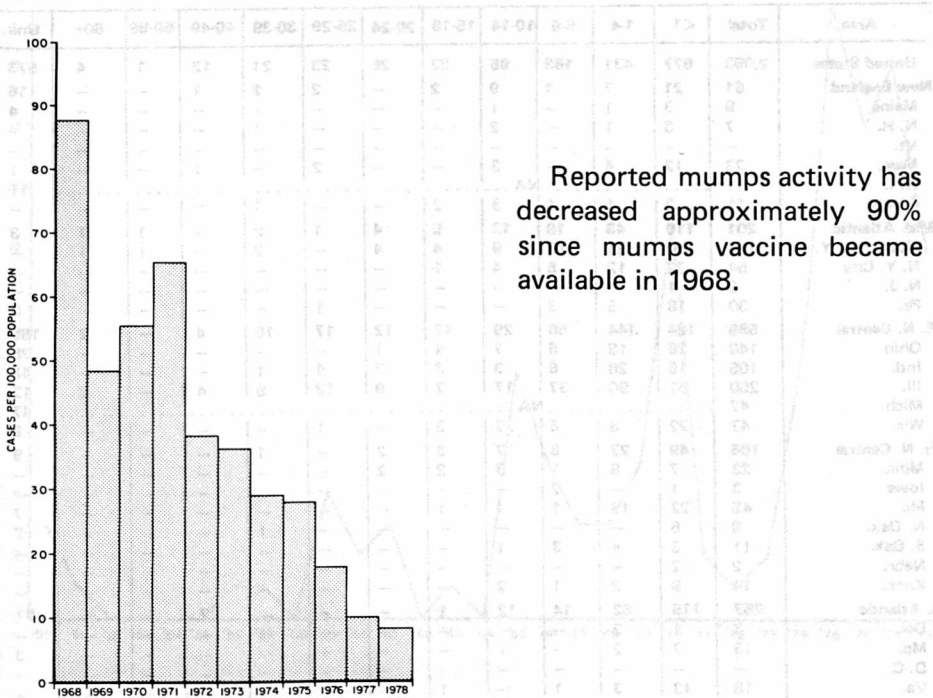
MUMPS — Reported Cases by State and by Month, United States, 1978

Area	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
United States	16,817	1,388	1,723	2,320	2,080	2,205	1,532	677	418	374	479	802	1,411	1,408
New England	905	112	40	148	165	162	62	22	8	18	21	92	55	—
Maine	588	81	22	103	136	116	21	5	1	1	6	57	39	—
N. H.	18	4	—	2	2	2	2	1	1	1	2	—	1	—
Vt.	6	—	—	3	1	1	—	—	—	—	—	1	—	—
Mass.	97	10	5	16	8	19	18	4	4	4	2	5	2	—
R.I.	56	3	4	2	3	10	2	7	1	6	5	10	3	—
Conn.	140	14	9	22	15	14	19	5	1	6	6	19	10	—
Mid. Atlantic	807	85	72	78	72	84	119	61	36	36	40	48	76	—
Upstate N.Y.	256	27	21	22	24	36	39	13	13	11	13	13	24	—
N.Y. City	165	30	18	21	12	15	22	10	11	11	7	4	4	—
N.J.	200	19	23	16	11	24	34	11	7	3	10	18	24	—
Pa.	186	9	10	19	25	9	24	27	5	11	10	13	24	—
E.N. Central	6,843	468	611	771	645	835	709	292	130	106	151	257	460	1,408
Ohio	1,410	—	—	—	—	—	1	1	—	—	—	—	—	1,408
Ind.	373	28	39	42	23	83	57	21	11	17	15	22	15	—
Ill.	2,100	207	258	315	291	306	336	43	24	32	40	61	187	—
Mich.	1,628	168	215	221	198	281	155	93	16	24	60	92	105	—
Wis.	1,332	65	99	193	133	165	160	134	79	33	36	82	153	—
W.N. Central	2,149	256	449	448	355	319	55	21	18	26	41	43	118	—
Minn.	24	7	4	—	2	1	4	—	4	—	—	2	—	—
Iowa	192	10	11	47	24	16	11	3	—	12	16	23	19	—
Mo.	1,211	114	287	290	223	198	31	18	6	3	4	4	33	—
N. Dak.	15	3	1	—	1	3	2	—	3	1	1	—	—	—
S. Dak.	11	—	1	3	1	1	—	—	—	1	—	—	4	—
Neb.	26	1	1	3	4	5	3	—	3	4	1	1	—	—
Kans.	670	121	144	105	100	95	4	—	2	5	19	13	62	—
S. Atlantic	1,035	86	102	96	90	156	105	53	65	73	48	61	100	—
Del.	62	6	5	8	5	12	12	6	4	3	—	—	1	—
Md.	86	17	10	13	6	7	8	3	2	8	3	5	4	—
D.C.	2	—	—	—	—	1	—	—	1	—	—	—	—	—
Va.	196	20	15	14	24	13	25	9	13	35	8	8	12	—
W. Va.	200	9	24	19	27	58	14	9	8	8	7	5	12	—
N. C.	82	14	12	5	6	9	7	3	10	3	2	6	5	—
S. C.	18	7	—	2	2	2	—	—	1	1	—	—	1	—
Ga.	71	3	—	5	4	44	5	3	1	3	1	1	1	—
Fla.	318	10	36	30	16	10	32	20	25	12	27	36	64	—
E. S. Central	1,313	128	140	150	118	281	152	98	41	29	35	58	83	—
Ky.	311	27	10	41	4	84	12	1	3	8	21	50	50	—
Tenn.	471	91	65	58	47	104	57	18	4	3	2	2	20	—
Ala.	437	10	55	46	60	75	69	68	24	13	8	2	7	—
Miss.	94	—	10	5	7	18	14	11	10	5	4	4	6	—
W.S. Central	2,254	121	178	367	482	170	218	62	61	37	54	134	370	—
Ark.	659	16	39	127	338	48	19	5	6	6	3	18	34	—
La.	68	3	14	13	7	11	6	6	3	2	—	—	3	—
Okl.	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Texas	1,527	102	125	227	137	111	193	51	52	29	51	116	333	—
Mountain	502	30	25	134	52	62	42	23	25	10	15	19	65	—
Mont.	140	3	1	96	33	1	1	1	—	—	1	2	1	—
Idaho	28	5	6	5	2	2	—	—	—	—	—	2	6	—
Wyo.	2	—	—	—	—	—	—	—	—	1	—	1	—	—
Colo.	115	8	8	12	5	22	18	1	13	5	8	9	6	—
N.M.	20	4	—	3	—	8	—	—	1	—	—	1	3	—
Ariz.	26	3	1	—	1	2	5	—	2	1	4	2	5	—
Utah	162	7	9	16	11	26	17	21	8	1	1	2	43	—
Nev.	9	—	—	2	—	1	1	—	1	2	1	—	1	—
Pacific	1,009	102	106	128	101	136	70	45	34	39	74	90	84	—
Wash.	223	25	32	43	28	28	8	1	3	10	13	19	13	—
Oreg.	138	16	9	7	9	20	7	10	6	8	19	12	15	—
Calif.	595	55	63	73	52	83	55	32	23	21	34	53	51	—
Alaska	15	1	2	1	—	2	—	1	1	—	2	2	3	—
Hawaii	38	5	—	4	12	3	—	1	1	—	6	4	2	—
Guam	40	1	—	—	14	16	3	3	1	—	1	1	—	—
P.R.	1,718	130	139	201	216	167	131	73	111	120	123	159	148	—
V.I.	4	—	—	1	2	—	1	—	—	—	—	—	—	—
Pac. Trust Terr.	120	13	5	19	19	16	14	6	3	9	10	4	2	—

MUMPS — Reported Cases by State and by Age, United States, 1978

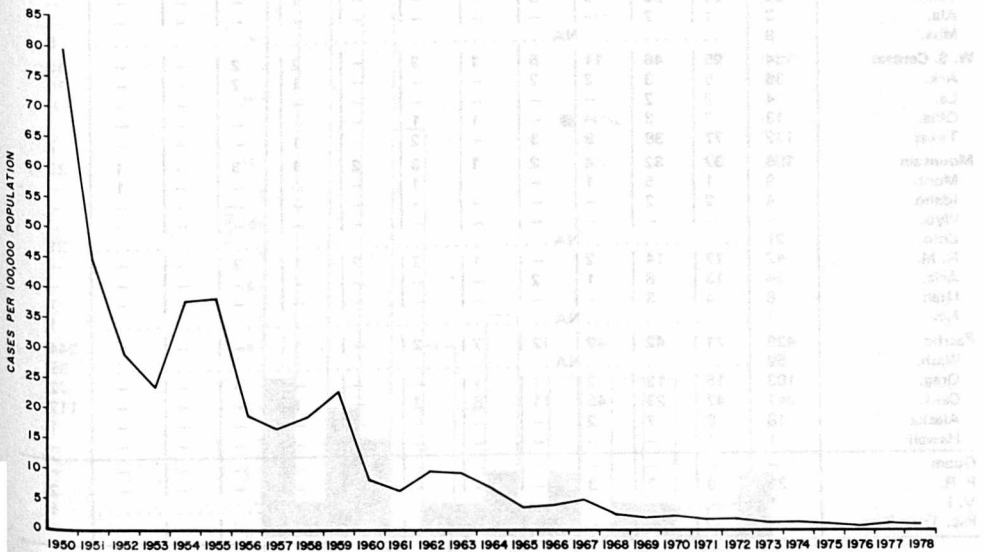
Area	Total	<1	1-4	5-9	10-14	15-19	20-24	25-29	30-39	40-49	50-59	60+	Unk.
United States	16,817	36	738	3,092	1,526	400	117	82	88	53	25	16	10,644
New England	905	2	38	110	78	20	14	4	10	7	3	1	618
Maine	588	—	10	41	33	8	4	1	5	1	—	—	485
N. H.	18	—	1	2	8	4	—	1	—	2	—	—	—
Vt.	6	—	1	—	3	—	—	—	1	1	—	—	—
Mass.	97	1	18	40	20	4	3	1	3	2	2	1	2
R. I.	56	—	—	—	NA	—	—	—	—	—	—	—	56
Conn.	140	1	8	27	14	4	7	1	1	1	1	—	75
Mid. Atlantic	807	5	77	333	242	50	25	16	19	7	10	4	19
Upstate N. Y.	256	1	12	87	100	22	12	6	5	5	—	1	5
N. Y. City	165	3	36	57	29	9	7	5	6	1	3	—	9
N. J.	200	—	18	90	62	13	1	3	6	1	4	2	—
Pa.	186	1	11	99	51	6	5	2	2	—	3	1	5
E. N. Central	6,843	6	102	1,209	642	93	21	13	9	10	2	2	4,734
Ohio	1,410	—	1	1	—	—	—	—	—	—	—	—	1,408
Ind.	373	—	9	44	26	3	4	2	2	3	2	—	278
Ill.	2,100	6	92	1,164	616	90	17	11	7	7	—	2	88
Mich.	1,628	—	—	—	NA	—	—	—	—	—	—	—	1,628
Wis.	1,332	—	—	—	NA	—	—	—	—	—	—	—	1,332
W. N. Central	2,149	2	50	151	79	18	11	3	4	4	—	1	1,826
Minn.	24	—	—	11	4	1	6	—	—	—	—	—	2
Iowa	192	—	—	—	NA	—	—	—	—	—	—	—	192
Mo.	1,211	2	44	124	61	13	1	2	4	1	—	1	958
N. Dak.	15	—	4	2	4	—	1	—	—	1	—	—	3
S. Dak.	11	—	—	3	3	1	3	—	—	—	—	—	1
Nebr.	26	—	1	—	—	1	—	—	—	—	—	—	24
Kans.	670	—	1	11	7	2	—	1	—	2	—	—	646
S. Atlantic	1,035	1	71	243	53	13	11	14	15	12	5	3	594
Del.	62	—	13	29	7	1	1	2	3	—	1	1	4
Md.	86	—	12	25	21	6	6	3	—	5	1	1	6
D. C.	2	—	—	1	1	—	—	—	—	—	—	—	—
Va.	196	—	25	93	11	2	—	5	4	2	1	—	53
W. Va.	200	—	—	—	NA	—	—	—	—	—	—	—	200
N. C.	82	1	15	42	10	2	2	2	3	4	—	1	—
S. C.	18	—	1	5	—	—	—	—	3	—	—	—	9
Ga.	71	—	5	48	3	2	2	2	2	1	2	—	4
Fla.	318	—	—	—	NA	—	—	—	—	—	—	—	318
E. S. Central	1,313	5	125	217	47	7	4	3	5	1	1	—	898
Ky.	311	1	6	16	8	1	1	—	1	—	—	—	277
Tenn.	471	—	—	—	NA	—	—	—	—	—	—	—	471
Ala.	437	4	119	201	39	6	3	3	4	1	1	—	56
Miss.	94	—	—	—	NA	—	—	—	—	—	—	—	94
W. S. Central	2,254	14	197	585	213	159	2	1	—	—	1	—	1,082
Ark.	659	—	17	34	17	8	1	1	—	—	1	—	580
La.	68	3	22	37	3	1	1	—	—	—	—	—	1
Okla.	—	—	—	—	NA	—	—	—	—	—	—	—	—
Texas	1,527	11	158	514	193	150	—	—	—	—	—	—	501
Mountain	502	—	6	67	65	14	5	3	2	2	1	—	337
Mont.	140	—	1	59	63	12	2	—	—	—	—	—	3
Idaho	28	—	—	—	NA	—	—	—	—	—	—	—	28
Wyo.	2	—	—	2	—	—	—	—	—	—	—	—	—
Colo.	115	—	—	—	NA	—	—	—	—	—	—	—	115
N. M.	20	—	—	—	NA	—	—	—	—	—	—	—	20
Ariz.	26	—	5	6	2	2	3	3	2	2	1	—	—
Utah	162	—	—	—	NA	—	—	—	—	—	—	—	162
Nev.	9	—	—	—	NA	—	—	—	—	—	—	—	9
Pacific	1,009	1	72	177	107	26	24	25	24	10	2	5	536
Wash.	223	—	—	—	NA	—	—	—	—	—	—	—	223
Oreg.	138	—	—	—	NA	—	—	—	—	—	—	—	138
Calif.	595	1	68	171	102	24	21	24	21	10	2	4	147
Alaska	15	—	—	—	NA	—	—	—	—	—	—	—	15
Hawaii	38	—	4	6	5	2	3	1	3	—	—	1	13
Guam	40	—	3	5	—	1	1	—	—	—	—	—	30
P. R.	1,718	—	—	—	NA	—	—	—	—	—	—	—	1,718
V. I.	4	—	—	—	NA	—	—	—	—	—	—	—	4
Pac. Trust Terr.	120	—	—	—	NA	—	—	—	—	—	—	—	120

MUMPS – Reported Case Rates by Year, United States, 1968–1978



Reported mumps activity has decreased approximately 90% since mumps vaccine became available in 1968.

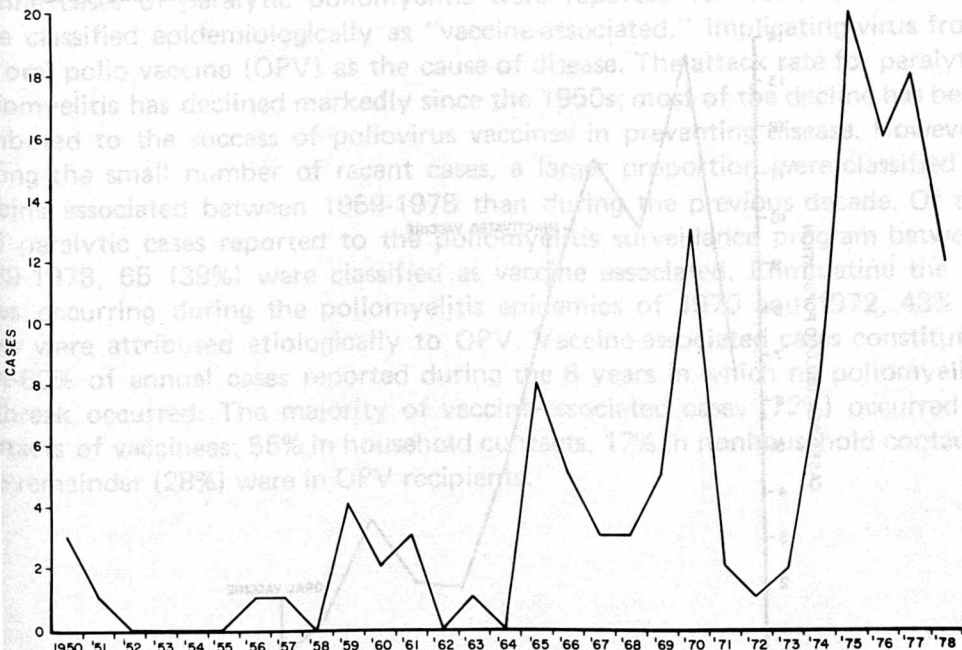
PERTUSSIS (Whooping Cough) – Reported Case Rates by Year, United States, 1950–1978



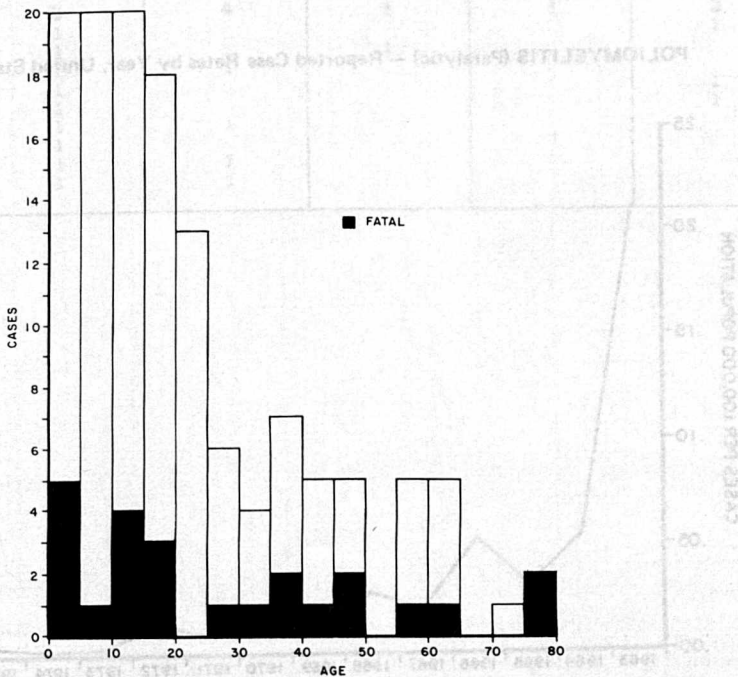
PERTUSSIS (Whooping Cough) - Reported Cases by State and by Age, United States, 1978

Area	Total	<1	1-4	5-9	10-14	15-19	20-24	25-29	30-39	40-49	50-59	60+	Unk.
United States	2,063	677	431	163	95	37	26	23	21	12	1	4	573
New England	61	21	7	1	9	2	-	2	2	1	-	-	16
Maine	9	3	1	-	1	-	-	-	-	-	-	-	4
N. H.	7	3	1	-	2	-	-	-	1	-	-	-	-
Vt.	-	-	-	-	-	-	-	-	-	-	-	-	-
Mass.	23	12	4	-	3	-	-	2	-	1	-	-	1
R. I.	11	-	-	-	-	-	-	-	-	-	-	-	-
Conn.	11	3	1	1	3	2	-	-	1	-	-	-	-
Mid. Atlantic	201	110	43	18	13	5	4	1	2	-	1	1	3
Upstate N. Y.	115	59	25	10	9	4	4	-	2	-	1	1	-
N. Y. City	54	32	12	5	4	1	-	-	-	-	-	-	-
N. J.	2	1	1	-	-	-	-	-	-	-	-	-	-
Pa.	30	18	5	3	-	-	-	1	-	-	-	-	3
E. N. Central	599	124	144	55	29	17	12	17	10	4	-	2	185
Ohio	140	26	18	6	7	4	1	-	-	-	-	-	78
Ind.	105	15	28	6	3	3	2	4	1	-	-	-	43
Ill.	260	61	90	37	17	7	9	12	9	4	-	2	12
Mich.	47	-	-	-	-	-	-	-	-	-	-	-	47
Wis.	47	22	8	6	2	3	-	1	-	-	-	-	5
W. N. Central	106	49	27	8	7	3	2	-	1	-	-	-	9
Minn.	23	7	8	1	3	2	2	-	-	-	-	-	-
Iowa	3	1	-	2	-	-	-	-	-	-	-	-	-
Mo.	45	22	13	1	1	1	-	-	-	-	-	-	7
N. Dak.	8	5	-	-	-	-	-	-	1	-	-	-	2
S. Dak.	11	3	4	3	1	-	-	-	-	-	-	-	-
Nebr.	2	2	-	-	-	-	-	-	-	-	-	-	-
Kans.	14	9	2	1	2	-	-	-	-	-	-	-	-
S. Atlantic	257	115	62	14	12	1	-	-	-	2	-	-	51
Del.	3	1	2	-	-	-	-	-	-	-	-	-	-
Md.	13	7	2	-	1	-	-	-	-	-	-	-	3
D. C.	-	-	-	-	-	-	-	-	-	-	-	-	-
Va.	18	13	3	1	-	1	-	-	-	-	-	-	-
W. Va.	22	-	-	-	-	-	-	-	-	-	-	-	22
N. C.	45	30	13	1	1	-	-	-	-	-	-	-	-
S. C.	12	3	6	2	-	-	-	-	-	-	-	-	1
Ga.	82	30	22	5	5	-	-	-	-	1	-	-	19
Fla.	62	31	14	5	5	-	-	-	-	1	-	-	6
E. S. Central	118	55	28	3	6	-	-	1	2	-	-	-	23
Ky.	46	24	6	-	-	-	-	1	1	-	-	-	14
Tenn.	60	30	20	3	6	-	-	-	1	-	-	-	-
Ala.	3	1	2	-	-	-	-	-	-	-	-	-	-
Miss.	9	-	-	-	-	-	-	-	-	-	-	-	9
W. S. Central	184	95	46	11	5	1	3	-	2	2	-	-	19
Ark.	35	9	3	2	2	-	-	-	1	2	-	-	16
La.	4	2	2	-	-	-	-	-	-	-	-	-	-
Okla.	13	7	3	-	-	1	1	-	-	-	-	-	1
Texas	132	77	38	9	3	-	2	-	1	-	-	-	2
Mountain	109	37	32	4	2	1	3	2	1	3	-	1	23
Mont.	9	1	5	1	-	-	1	-	-	-	-	1	-
Idaho	4	2	2	-	-	-	-	-	-	-	-	-	-
Wyo.	-	-	-	-	-	-	-	-	-	-	-	-	-
Colo.	21	-	-	-	-	-	-	-	-	-	-	-	21
N. M.	42	17	14	2	-	1	2	2	1	3	-	-	-
Ariz.	24	13	8	1	2	-	-	-	-	-	-	-	-
Utah	8	4	3	-	-	-	-	-	-	-	-	-	1
Nev.	1	-	-	-	-	-	-	-	-	-	-	-	1
Pacific	428	71	42	49	12	7	2	-	1	-	-	-	244
Wash.	59	-	-	-	-	-	-	-	-	-	-	-	59
Oreg.	103	15	12	2	1	1	-	-	-	-	-	-	72
Calif.	247	47	23	45	11	6	2	-	1	-	-	-	112
Alaska	18	8	7	2	-	-	-	-	-	-	-	-	1
Hawaii	1	1	-	-	-	-	-	-	-	-	-	-	-
Guam	-	-	-	-	-	-	-	-	-	-	-	-	-
P. R.	21	9	7	3	-	-	-	-	-	-	-	-	2
V. I.	1	-	-	-	-	-	-	-	-	-	-	-	1
Pac. Trust Terr.	-	-	-	-	-	-	-	-	-	-	-	-	-

PLAGUE — Reported Cases in Humans by Year, United States, 1950–1978

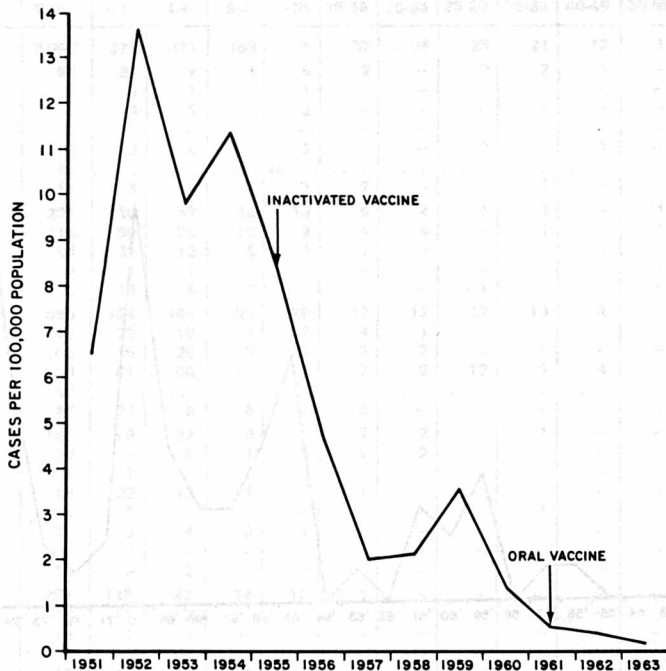


PLAGUE — Reported Cases and Deaths in Humans by Age Group, United States, 1950–1978

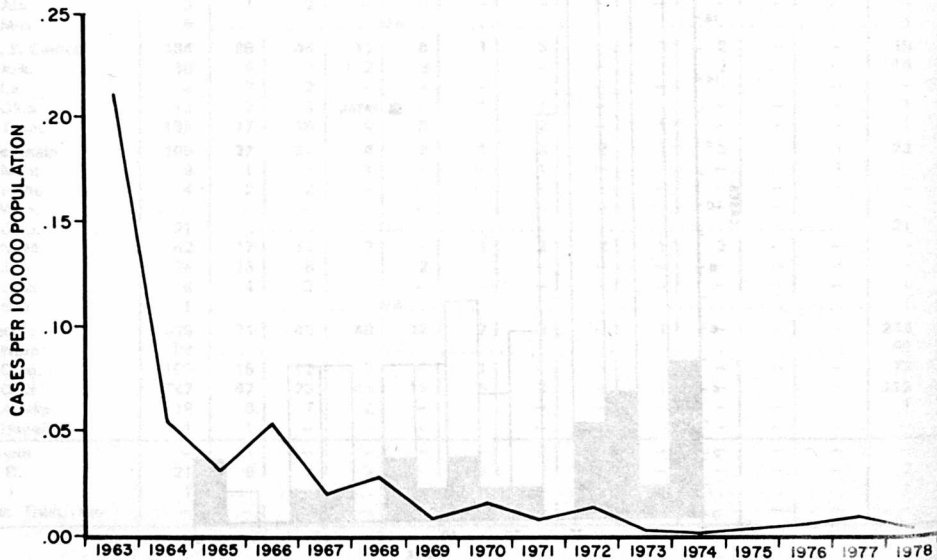


POLIOMYELITIS

POLIOMYELITIS (Paralytic) – Reported Case Rates by Year, United States, 1951–1963



POLIOMYELITIS (Paralytic) – Reported Case Rates by Year, United States, 1963–1978



Nine cases of paralytic poliomyelitis were reported for 1978. Six of these were classified epidemiologically as "vaccine-associated," implicating virus from the oral polio vaccine (OPV) as the cause of disease. The attack rate for paralytic poliomyelitis has declined markedly since the 1950s; most of the decline has been attributed to the success of poliovirus vaccines in preventing disease. However, among the small number of recent cases, a larger proportion were classified as vaccine associated between 1969-1978 than during the previous decade. Of the 165 paralytic cases reported to the poliomyelitis surveillance program between 1969-1978, 65 (39%) were classified as vaccine associated. Eliminating the 30 cases occurring during the poliomyelitis epidemics of 1970 and 1972, 48% of cases were attributed etiologically to OPV. Vaccine-associated cases constituted 21%-80% of annual cases reported during the 8 years in which no poliomyelitis outbreak occurred. The majority of vaccine-associated cases (72%) occurred in contacts of vaccinees: 55% in household contacts, 17% in nonhousehold contacts. The remainder (28%) were in OPV recipients.

POLIOMYELITIS (Paralytic) — Reported Cases by State and by Age, United States, 1978

Area	Total	<1	1	10-14	30-39
United States	9	4	1	1	3
California	1				1
Georgia	1		1		
Hawaii	1	1			
Michigan	1				1
New Mexico	1				1
North Carolina	1	1			
Ohio	1			1	
Virginia	1	1			
Washington	1	1			

RABIES

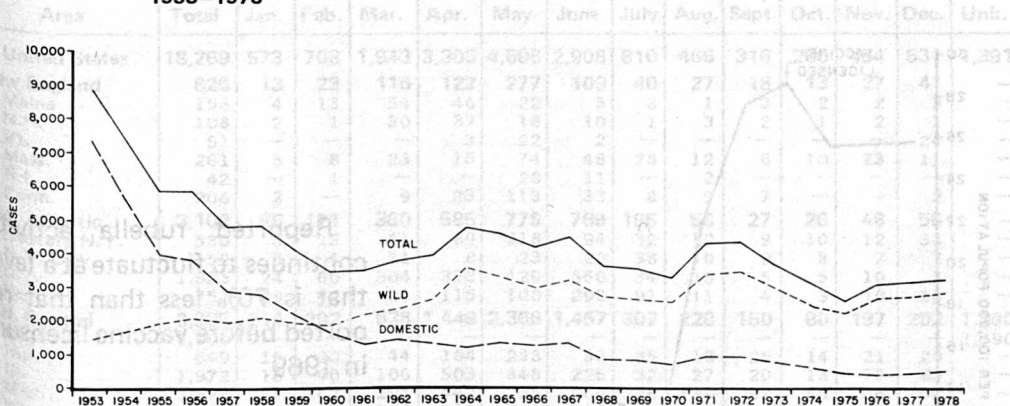
RABIES — Reported Cases in Animals by State and by Species of Animal, United States, 1978

Area	Domestic				Wild					Total
	Cats	Cattle	Dogs	Other Domestic*	Bats	Foxes	Raccoons	Skunks	Other Wild**	
United States	90	202	117	48	548	147	406	1,698	24	3,280
New England	1	1	2	1	19	70	1	—	1	96
Maine	1	1	2	1	3	69	1	—	1	79
N. H.	—	—	—	—	2	—	—	—	—	2
Vt.	—	—	—	—	1	—	—	—	—	1
Mass.	—	—	—	—	7	—	—	—	—	7
R. I.	—	—	—	—	—	—	—	—	—	—
Conn.	—	—	—	—	6	1	—	—	—	7
Mid. Atlantic	2	—	—	2	63	18	—	—	1	86
N. Y.	2	—	—	2	39	18	—	—	1	62
N. J.	—	—	—	—	13	—	—	—	—	13
Pa.	—	—	—	—	11	—	—	—	—	11
E. N. Central	9	18	20	4	46	3	—	115	—	215
Ohio	—	1	—	1	9	2	—	8	—	21
Ind.	—	—	—	—	4	—	—	8	—	12
Ill.	3	8	4	—	17	—	—	43	—	75
Mich.	—	1	2	1	6	—	—	—	—	10
Wis.	6	8	14	2	10	1	—	56	—	97
W. N. Central	38	126	36	18	20	4	1	447	4	694
Minn.	8	41	11	4	4	1	—	139	1	209
Iowa	18	30	11	6	3	2	—	76	1	147
Mo.	2	8	6	1	3	—	—	70	—	90
N. Dak.	2	33	1	3	3	—	1	61	—	104
S. Dak.	5	8	7	3	4	1	—	73	2	103
Nebr.	2	3	—	—	1	—	—	1	—	7
Kans.	1	3	—	1	2	—	—	27	—	34
S. Atlantic	7	3	11	—	103	10	370	11	6	521
Del.	—	—	—	—	3	—	—	—	—	3
Md.	—	—	2	—	17	—	—	—	—	19
D. C.	—	—	—	—	—	—	—	—	—	—
Va.	—	—	—	—	7	—	3	3	—	13
W. Va.	—	—	2	—	10	—	—	1	1	14
N. C.	—	—	—	—	16	—	—	—	—	16
S. C.	4	—	1	—	26	1	85	—	2	119
Ga.	3	3	4	—	16	8	249	6	1	290
Fla.	—	—	2	—	8	1	33	1	2	47
E. S. Central	5	6	16	3	19	23	30	66	4	172
Ky.	1	5	9	2	2	20	—	38	1	78
Tenn.	—	—	2	1	7	3	—	22	—	35
Ala.	4	1	5	—	4	—	30	6	3	53
Miss.	—	—	—	—	6	—	—	—	—	6
W. S. Central	25	44	18	19	58	6	3	752	2	927
Ark.	2	5	1	2	6	—	—	144	—	160
La.	—	—	—	—	2	—	—	15	—	17
Okla.	6	28	8	3	2	—	—	146	1	194
Texas	17	11	9	14	48	6	3	447	1	556
Mountain	2	—	—	—	83	3	1	37	3	129
Mont.	—	—	—	—	11	—	—	15	—	26
Idaho	—	—	—	—	—	—	—	—	—	—
Wyo.	—	—	—	—	10	—	—	1	—	11
Colo.	—	—	—	—	29	—	—	—	—	29
N. M.	2	—	—	—	7	1	—	14	1	25
Ariz.	—	—	—	—	13	2	—	6	2	23
Utah	—	—	—	—	6	—	1	1	—	8
Nev.	—	—	—	—	7	—	—	—	—	7
Pacific	1	4	14	1	137	10	—	270	3	440
Wash.	—	—	—	—	5	—	—	—	—	5
Oreg.	—	—	—	—	11	—	—	—	—	11
Calif.	1	4	10	1	121	3	—	270	1	411
Alaska	—	—	4	—	—	7	—	—	2	13
Hawaii	—	—	—	—	—	—	—	—	—	—
Guam	—	—	—	—	—	—	—	—	—	—
P. R.	3	—	5	—	—	—	—	—	23	31
V. I.	—	—	—	—	—	—	—	—	—	—

*Includes 39 equine, 5 ovine, 3 porcine, 1 caprine.

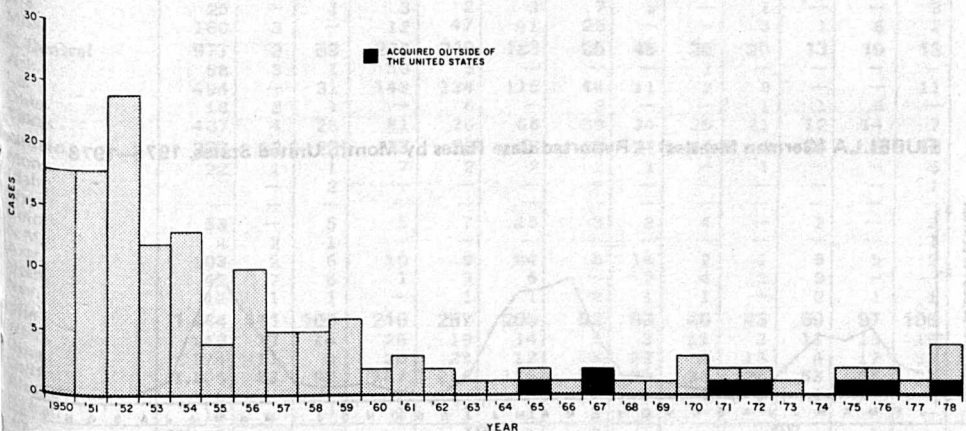
**Includes 8 canine, 5 feline, 4 mustelids, 4 rodents, 2 ruminants, 1 unknown.

RABIES — Reported Cases in Wild and Domestic Animals by Year, United States, 1953–1978



Although there has been a relatively stable total number of reported cases of rabies annually in wild and domestic animals over the past 15 years, there have been changes in numbers of specific kinds of animals reported positive. Compared with 15 years ago, less cases of rabies are now reported in dogs, cats, cattle, and foxes, whereas more cases are being reported in skunks, bats, and raccoons. The last 3 animals continue to be the wild animals most frequently determined to have laboratory-confirmed rabies.

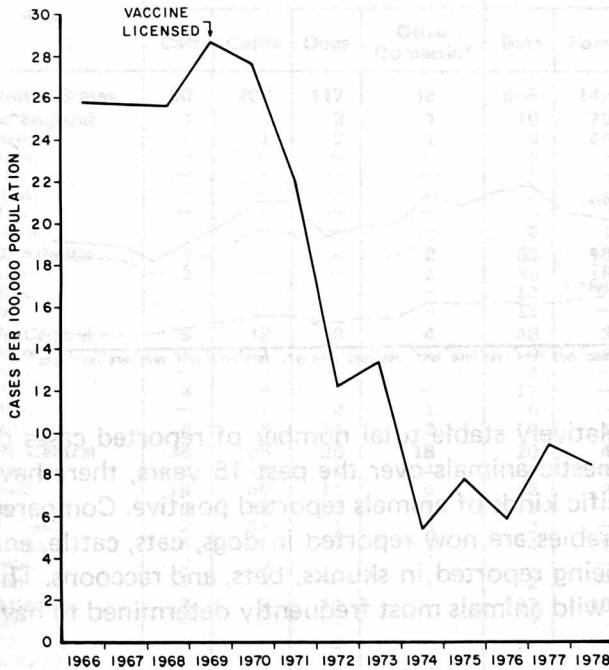
RABIES — Reported Cases in Humans by Year, United States, 1950–1978



Reported human rabies cases have ranged from 0 to 4 annually for the past 19 years. In 1978 a human-to-human transmission of rabies by corneal transplant was reported.

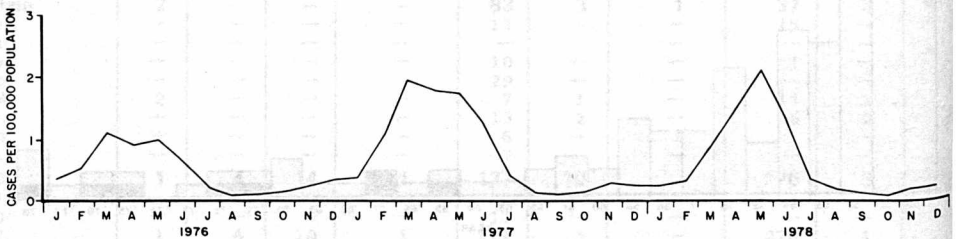
RUBELLA

RUBELLA (German Measles) — Reported Case Rates by Year, United States, 1966–1978



Reported rubella activity continues to fluctuate at a level that is 70% less than that reported before vaccine licensure in 1969.

RUBELLA (German Measles) — Reported Case Rates by Month, United States, 1976–1978



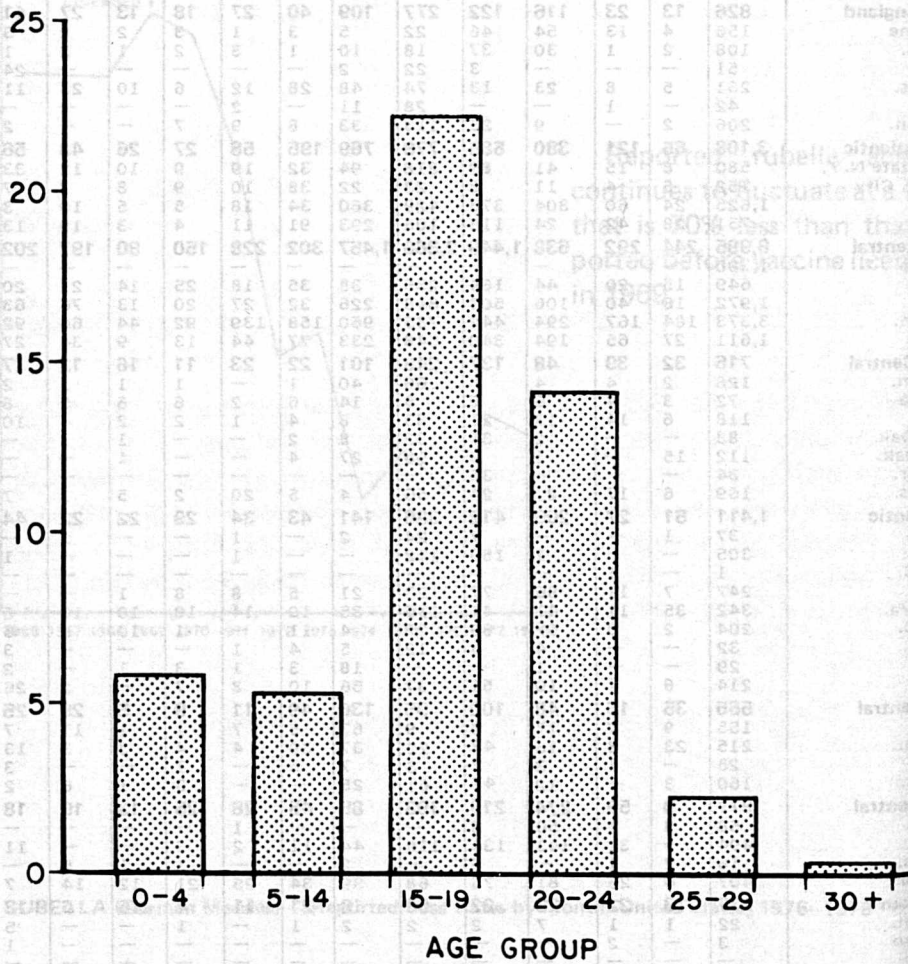
RUBELLA (German Measles) — Reported Cases by State and by Month, United States, 1978

Area	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
United States	18,269	573	708	1,943	3,303	4,606	2,908	810	466	316	260	454	531	1,391
New England	826	13	23	116	122	277	109	40	27	18	13	27	41	—
Maine	158	4	13	54	46	22	5	3	1	3	2	2	3	—
N.H.	108	2	1	30	37	18	10	1	3	2	1	2	1	—
Vt.	51	—	—	—	3	22	2	—	—	—	—	—	24	—
Mass.	261	5	8	23	13	74	48	28	12	6	10	23	11	—
R.I.	42	2	1	—	—	28	11	—	2	—	—	—	—	—
Conn.	206	—	—	9	23	113	33	8	9	7	—	—	2	—
Mid. Atlantic	3,108	65	121	380	585	778	769	195	58	27	26	48	56	—
Upstate N.Y.	580	8	15	41	89	218	94	32	19	9	10	12	33	—
N.Y. City	152	5	4	11	8	23	22	38	10	9	8	7	7	—
N.J.	1,625	24	60	304	373	429	360	34	18	5	5	10	3	—
Pa.	751	28	42	24	115	108	293	91	11	4	3	19	13	—
S.E. Central	8,995	244	292	638	1,449	2,366	1,457	302	228	150	80	197	202	1,390
Ohio	1,390	—	—	—	—	—	—	—	—	—	—	—	—	1,390
Ind.	649	15	20	44	164	235	38	35	18	25	14	21	20	—
Ill.	1,972	18	40	106	503	848	226	32	27	20	13	76	63	—
Mich.	3,373	184	167	294	442	735	960	158	139	92	44	66	92	—
Wis.	1,611	27	65	194	340	548	233	77	44	13	9	34	27	—
W.N. Central	716	32	39	48	137	248	101	22	23	11	16	12	27	—
Minn.	128	2	4	4	6	66	40	1	—	1	1	1	2	—
Iowa	72	3	4	6	6	6	14	6	2	6	6	5	8	—
Mo.	118	6	14	13	21	33	8	4	1	2	2	4	10	—
N. Dak.	83	—	—	2	37	32	8	2	—	—	1	1	—	—
S. Dak.	112	15	—	1	9	55	27	4	—	—	1	—	—	—
Nebr.	34	—	—	—	34	—	—	—	—	—	—	—	—	—
Kans.	169	6	17	22	24	56	4	5	20	2	5	1	7	—
Atlantic	1,411	51	27	200	412	386	141	43	34	29	22	22	44	—
Del.	37	1	—	—	7	24	2	—	1	—	—	2	—	—
Md.	305	—	—	1	150	152	—	—	1	—	—	—	1	—
D. C.	1	—	1	—	—	—	—	—	—	—	—	—	—	—
Va.	247	7	11	86	77	23	21	5	8	8	1	—	—	—
W. Va.	342	35	11	41	44	116	35	10	14	10	10	6	6	—
N. C.	204	2	3	57	80	22	4	11	—	1	10	8	6	—
S. C.	32	—	—	4	3	12	5	4	1	—	—	3	3	—
Ga.	29	—	—	1	—	18	3	1	3	1	—	2	2	—
Fla.	214	6	1	10	51	37	56	10	8	7	—	2	26	—
S. Central	555	35	16	48	100	95	136	49	11	9	5	26	25	—
Ky.	155	9	7	17	8	9	67	5	7	1	1	17	7	—
Tenn.	215	23	8	16	43	22	37	39	4	4	3	3	13	—
Ala.	25	—	1	3	2	3	7	5	—	1	—	—	3	—
Miss.	160	3	—	12	47	61	25	—	—	3	1	6	2	—
W. Central	977	9	59	274	219	183	85	45	28	25	13	19	18	—
Ark.	58	3	1	50	3	—	—	—	1	—	—	—	—	—
La.	494	—	31	143	134	115	44	11	2	3	—	—	11	—
Okla.	18	2	1	—	6	—	2	—	—	1	1	5	—	—
Texas	407	4	26	81	76	68	39	34	25	21	12	14	7	—
Mountain	237	13	22	23	22	68	18	21	11	4	16	6	13	—
Mont.	22	1	1	7	2	2	2	1	—	1	—	—	5	—
Idaho	3	—	2	—	—	—	—	—	—	—	—	—	1	—
Wyo.	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Colo.	53	—	5	5	7	15	9	3	4	—	2	—	3	—
N.M.	4	2	1	—	—	—	—	—	—	—	—	—	1	—
Ariz.	103	2	6	10	9	44	5	14	2	1	3	5	2	—
Utah	40	7	6	1	3	6	—	2	4	2	9	—	—	—
Nev.	12	1	1	—	1	1	2	1	1	—	2	1	1	—
Pacific	1,444	111	109	216	257	205	92	93	46	43	69	97	105	1
Wash.	149	17	14	26	19	14	1	3	11	3	11	15	15	—
Oreg.	174	11	3	20	23	12	12	22	4	13	4	17	33	—
Calif.	1,100	83	92	167	214	178	77	59	30	24	53	65	57	1
Alaska	8	—	—	2	—	—	—	1	1	—	—	—	—	—
Hawaii	13	—	—	1	1	—	2	8	—	—	—	—	—	—
Guam	5	—	—	—	—	1	2	1	—	—	—	1	—	—
P.R.	17	1	3	6	1	1	3	—	—	1	1	—	—	—
N.M. Trust Terr.	3	—	—	1	—	—	—	—	—	2	1	—	—	—

RUBELLA

RUBELLA (German Measles) — Reported Case Rates by Age Group,* United States, 1978

CASES PER 100,000 POPULATION



*EXCLUDES UNKNOWN AGES.

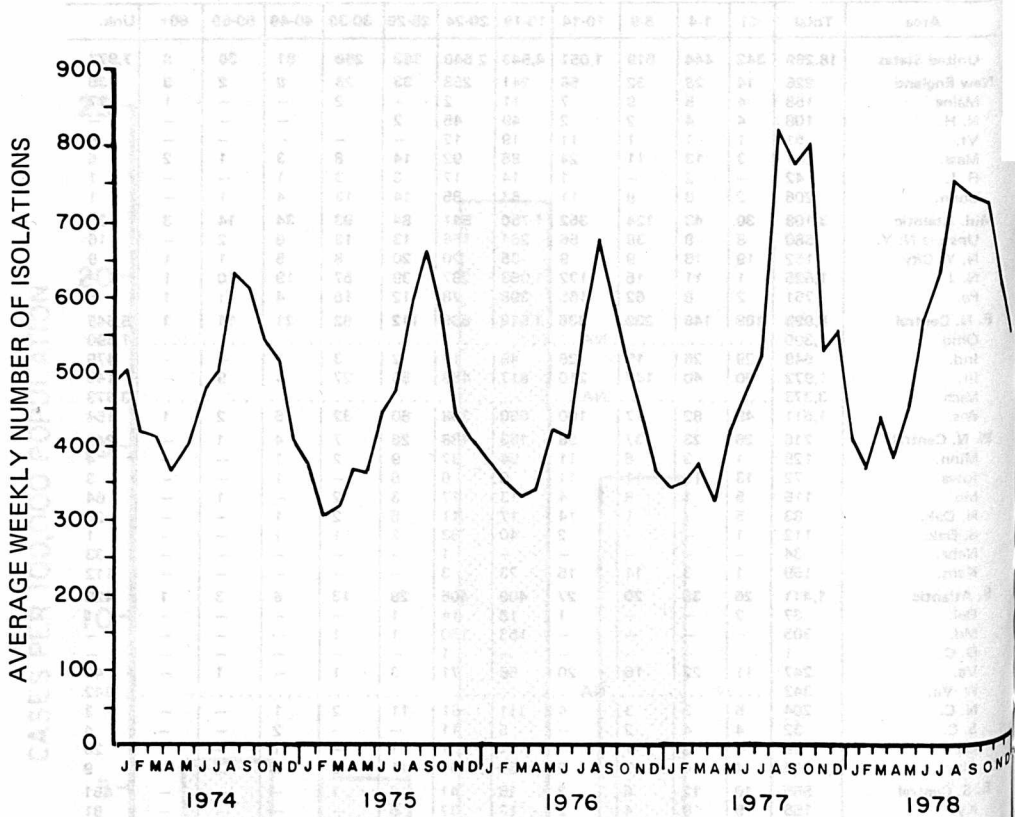
The relatively large number of cases among adolescents and young adults reflects the recent upward shift in the age distribution of reported cases, attributable to inadequate immunization levels in these populations.

RUBELLA (German Measles) — Reported Cases by State and by Age, United States, 1978

Area	Total	<1	1-4	5-9	10-14	15-19	20-24	25-29	30-39	40-49	50-59	60+	Unk.
United States	18,269	342	444	619	1,051	4,543	2,540	363	259	91	36	8	7,973
New England	826	14	28	32	56	241	253	33	26	8	2	3	130
Maine	158	4	5	9	7	11	2	—	2	—	—	1	117
N. H.	108	4	4	2	2	49	45	2	—	—	—	—	—
Vt.	51	1	1	1	11	19	12	—	—	—	—	—	6
Mass.	261	3	13	11	24	85	92	14	8	3	1	2	5
R. I.	42	—	2	—	1	14	17	3	3	1	—	—	1
Conn.	206	2	3	9	11	63	85	14	13	4	1	—	1
Mid. Atlantic	3,108	30	43	124	362	1,750	541	84	93	34	14	3	30
Upstate N. Y.	580	8	8	38	56	264	156	13	13	6	2	—	16
N. Y. City	152	19	16	9	9	35	20	20	8	5	1	1	9
N. J.	1,625	1	11	15	132	1,053	287	39	57	19	10	1	—
Pa.	751	2	8	62	165	398	78	12	15	4	1	1	5
E. N. Central	8,995	108	148	239	336	1,516	896	112	62	21	11	1	5,545
Ohio	1,390	—	—	—	NA	—	—	—	—	—	—	—	1,390
Ind.	649	29	26	15	26	49	19	2	3	1	—	—	479
Ill.	1,972	30	40	147	210	817	489	50	27	4	9	—	149
Mich.	3,373	—	—	—	NA	—	—	—	—	—	—	—	3,373
Wis.	1,611	49	82	77	100	650	388	60	32	16	2	1	154
W. N. Central	716	26	23	37	58	153	138	26	7	4	1	—	243
Minn.	128	1	3	6	11	54	37	9	2	1	—	—	4
Iowa	72	13	15	11	11	6	6	6	—	1	—	—	3
Mo.	118	5	1	8	4	13	17	3	2	—	1	—	64
N. Dak.	83	5	1	1	14	17	11	5	2	1	—	—	26
S. Dak.	112	1	—	—	2	40	63	3	1	1	—	—	1
Nebr.	34	—	—	—	—	—	1	—	—	—	—	—	33
Kans.	169	1	3	11	16	23	3	—	—	—	—	—	112
S. Atlantic	1,411	26	38	29	27	409	406	28	13	6	3	1	425
Del.	37	2	—	—	1	18	14	1	—	—	—	—	1
Md.	305	—	—	—	—	153	150	1	1	—	—	—	—
D. C.	1	—	—	—	—	—	1	—	—	—	—	—	—
Va.	247	11	22	16	20	56	71	3	1	—	1	—	46
W. Va.	342	—	—	—	NA	—	—	—	—	—	—	—	342
N. C.	204	5	3	3	4	111	61	11	2	1	—	—	3
S. C.	32	4	4	2	—	5	11	—	—	2	—	—	4
Ga.	29	—	3	1	—	1	1	1	—	1	—	1	20
Fla.	214	4	6	7	2	65	97	11	9	2	2	—	9
E. S. Central	555	10	12	6	3	15	41	6	1	—	—	—	461
Ky.	155	5	8	4	2	13	37	5	—	—	—	—	81
Tenn.	215	—	—	—	NA	—	—	—	—	—	—	—	215
Ala.	25	5	4	2	1	2	4	1	1	—	—	—	5
Miss.	160	—	—	—	NA	—	—	—	—	—	—	—	160
W. S. Central	977	53	52	54	117	227	73	15	11	6	1	—	368
Ark.	58	1	1	1	—	2	—	—	1	—	—	—	52
La.	494	3	14	39	113	213	66	8	9	6	1	—	22
Okla.	18	2	5	1	1	—	2	1	—	—	—	—	6
Texas	407	47	32	13	3	12	5	6	1	—	—	—	288
Mountain	237	20	20	22	18	46	35	18	10	3	—	—	45
Mont.	22	2	7	—	1	5	4	1	—	1	—	—	1
Idaho	3	—	—	—	—	—	1	1	1	—	—	—	—
Wyo.	—	—	—	—	—	—	—	—	—	—	—	—	—
Colo.	53	5	5	8	4	4	11	8	3	1	—	—	4
N. M.	4	—	1	—	1	—	—	—	2	—	—	—	—
Ariz.	103	6	3	12	11	37	19	7	4	1	—	—	3
Utah	40	7	4	2	1	—	—	1	—	—	—	—	25
Nev.	12	—	—	—	NA	—	—	—	—	—	—	—	12
Pacific	1,444	55	80	76	74	186	157	41	36	9	4	—	726
Wash.	149	—	—	—	NA	—	—	—	—	—	—	—	149
Oreg.	174	—	—	—	NA	—	—	—	—	—	—	—	174
Calif.	1,100	55	80	76	72	181	148	40	33	8	4	—	403
Alaska	8	—	—	—	1	2	4	—	1	—	—	—	—
Hawaii	13	—	—	—	1	3	5	1	2	1	—	—	—
Guam	5	—	2	—	—	—	—	—	—	—	—	—	3
P. R.	17	1	2	3	4	1	2	1	—	1	—	1	1
V. I.	1	—	—	—	—	—	—	—	1	—	—	—	—
Pac. Trust Terr.	3	—	—	—	NA	—	—	—	—	—	—	—	3

SALMONELLOSIS

SALMONELLA – Reported Isolations from Humans by Week,* United States, 1974–1978



*Each point represents the weekly average number of isolates for the month.

The average number of *Salmonella* isolations from humans has shown a slight increase over the past 10 years and continues to show a seasonal increase in the late summer.

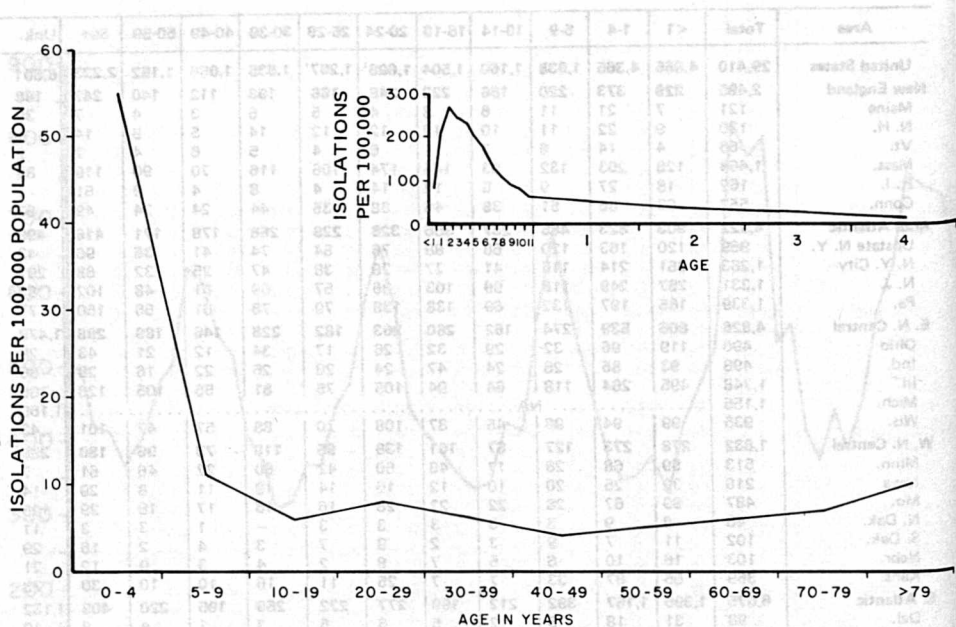
SALMONELLOSIS (Excluding Typhoid Fever) — Reported Cases by State and by Age, United States, 1978

Area	Total	<1	1-4	5-9	10-14	15-19	20-24	25-29	30-39	40-49	50-59	60+	Unk.
United States	29,410	4,885	4,365	1,938	1,160	1,504	1,696¹	1,267¹	1,535	1,056	1,152	2,223	6,601
New England	2,495	229	373	220	156	223	248	166	193	112	140	247	188
Maine	121	7	21	11	6	8	4	5	6	3	4	7	39
N. H.	130	9	22	11	10	12	12	12	14	5	9	14	—
Vt.	66	4	14	6	7	1	6	4	5	6	4	7	2
Mass.	1,464	128	203	132	93	144	174	106	116	70	90	119	89
R. I.	162	18	27	9	5	12	14	4	8	4	9	51	1
Conn.	552	63	86	51	35	46	38	35	44	24	24	49	57
Mid. Atlantic	4,922	903	823	485	267	356	328	228	268	178	171	416	499
Upstate N. Y.	969	120	163	120	58	88	76	54	74	41	36	96	43
N. Y. City	1,283	351	214	115	41	27	28	38	47	25	32	68	297
N. J.	1,331	267	249	118	99	103	86	57	69	51	48	102	82
Pa.	1,339	165	197	132	69	138	138	79	78	61	55	150	77
E. N. Central	4,826	806	539	274	162	260	263	182	228	146	189	298	1,479
Ohio	490	119	96	32	29	32	26	17	34	12	21	43	29
Ind.	498	93	85	28	24	47	24	20	25	22	16	28	86
Ill.	1,748	495	264	118	64	94	105	75	81	55	105	126	166
Mich.	1,155	NA											
Wis.	935	99	94	96	45	87	108	70	88	57	47	101	43
W. N. Central	1,832	278	273	127	67	101	139	95	118	73	96	180	285
Minn.	513	59	68	28	17	48	50	42	60	27	46	61	7
Iowa	210	32	25	20	10	12	16	14	19	11	8	29	14
Mo.	487	99	67	28	22	22	28	16	16	17	18	29	125
N. Dak.	48	6	9	3	3	3	3	—	—	1	3	3	11
S. Dak.	102	11	7	9	3	2	9	7	3	4	2	16	29
Nebr.	103	16	10	6	5	7	8	2	4	3	9	12	21
Kans.	369	55	87	33	7	7	25	11	16	10	10	30	78
S. Atlantic	6,075	1,395	1,167	392	212	199	277	222	255	195	220	409	1,132
Del.	98	31	18	5	2	5	6	5	3	1	4	8	10
Md.	793	221	171	66	44	41	57	40	47	20	23	39	24
D. C.	90	28	25	5	1	1	4	4	5	—	4	4	9
Va.	990	154	175	61	33	31	47	31	41	32	35	55	295
W. Va.	47	5	11	9	2	1	3	1	3	1	2	6	3
N. C.	865	242	167	60	39	40	45	58	47	39	37	84	7
S. C.	400	73	89	14	9	10	10	4	20	7	16	—	148
Ga.	1,168	248	196	81	25	27	41	36	37	52	37	51	337
Fla.	1,624	393	315	91	57	43	64	43	52	43	62	162	299
E. S. Central	1,868	250	262	72	52	60	53	37	71	64	60	134	753
Ky.	261	47	41	20	12	15	16	7	10	11	8	25	49
Tenn.	513	110	106	25	21	29	23	21	39	35	36	67	1
Ala.	486	9	5	5	3	1	4	—	—	4	1	2	452
Miss.	608	84	110	22	16	15	10	9	22	14	15	40	251
W. S. Central	2,151	526	386	121	68	57	77	95	87	75	77	152	430
Ark.	419	100	74	23	16	8	13	15	19	12	9	30	100
La.	178	51	26	13	1	4	9	6	9	10	10	11	28
Okla.	355	62	57	24	8	12	9	10	6	10	16	17	124
Texas	1,199	313	229	61	43	33	46	64	53	43	42	94	178
Mountain	1,308	183	131	66	45	64	60¹	47¹	77	44	34	87	442
Mont.	40	1	11	1	1	1	6	—	3	1	—	9	6
Idaho	79	13	9	4	4	4	1	4	9	7	3	8	13
Wyo.	11	3	1	1	—	—	3	—	1	—	—	—	2
Colo.	475	69	62	31	22	36	41	34	41	18	20	39	62
N. M.	265	NA											
Ariz.	263	82	37	20	15	20	(— 28 —)	13	13	9	24	2	
Utah	110	15	11	9	3	3	9	10	10	5	2	7	27
Nev.	65	NA											
Pacific	3,933	315	411	181	131	184	251	195	238	169	165	300	1,393
Wash.	420	46	55	13	11	15	27	20	33	17	30	48	105
Oreg.	257	36	29	12	9	23	20	12	26	12	8	21	49
Calif.	2,719	224	319	154	109	143	199	158	172	138	124	225	754
Alaska	63	9	8	2	2	3	5	5	7	2	3	6	11
Hawaii	474	NA											
Guam	70	40	13	1	1	2	3	—	2	2	2	—	4
P. R.	288	NA											
V. I.	6	NA											
Pac. Trust Terr.	—	—	—	—	—	—	—	—	—	—	—	—	—

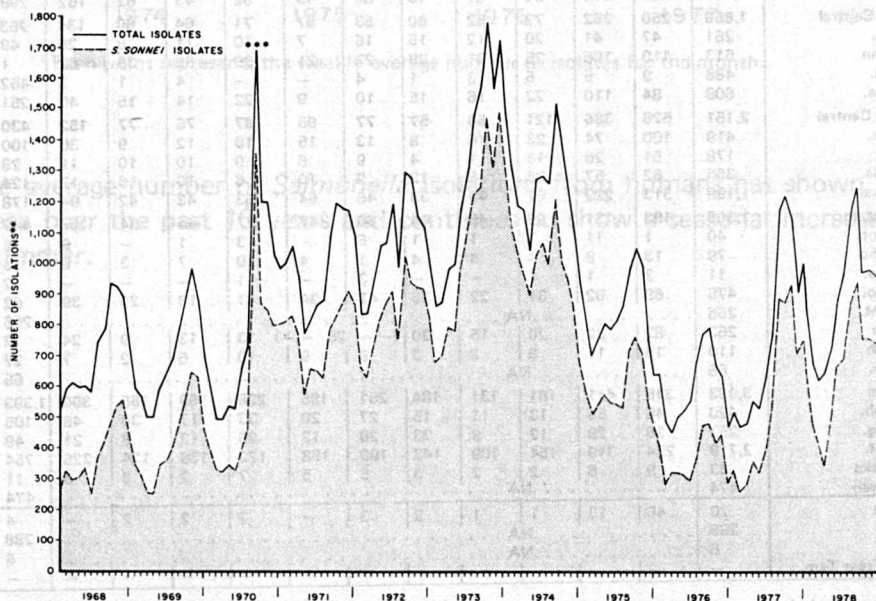
¹ Does not include cases reported by state of Arizona.

SALMONELLOSIS – SHIGELLOSIS

SALMONELLA – Reported Human Isolation Rates by Age, United States, 1978



SHIGELLA – Reported Isolations from Humans by Month, United States,* 1968–1978



*NO REPORTS FROM CALIFORNIA OR THE VIRGIN ISLANDS AFTER 1969
 **ADJUSTED TO 4-WEEK MONTH
 ***APPROXIMATELY 400 ISOLATIONS IN AUGUST 1970 COMMON-SOURCE OUTBREAK IN HAWAII

SHIGELLOSIS — Reported Cases by State and by Age, United States, 1978

Area	Total	<1	1-4	5-9	10-14	15-19	20-24	25-29	30-39	40-49	50-59	60+	Unk.
United States	19,511	853	5,895	2,671	872	623	1,026	1,094	1,052	409	321	358	4,337
New England	666	14	157	126	63	22	55	65	53	34	25	12	40
Maine	17	1	—	2	—	—	1	3	1	—	—	—	9
N. H.	33	1	7	7	2	1	3	1	4	1	2	—	—
Vt.	156	3	57	40	10	5	7	15	7	3	3	1	5
Mass.	303	5	66	52	38	12	34	29	22	15	15	5	10
R. I.	19	2	2	4	3	1	1	2	2	2	—	—	—
Conn.	138	2	25	21	10	3	9	15	17	10	6	4	16
Mid. Atlantic	2,318	104	660	355	142	83	137	124	175	55	45	38	400
Upstate N. Y.	551	21	172	88	35	29	44	40	46	16	15	11	34
N. Y. City	764	43	165	91	31	11	36	39	65	13	8	9	253
N. J.	472	28	179	84	29	11	24	13	29	11	13	12	39
Pa.	531	12	144	92	47	32	33	32	35	15	9	6	74
E. N. Central	2,504	137	737	352	100	71	138	143	127	36	43	23	597
Ohio	177	12	79	34	7	7	10	5	4	4	5	1	9
Ind.	220	10	73	44	10	7	19	24	13	2	2	3	13
Ill.	1,578	109	505	230	69	48	89	81	81	24	32	12	298
Mich.	263	—	—	—	—	—	—	—	—	—	—	—	263
Wis.	266	6	80	44	14	9	20	33	29	6	4	7	14
W. N. Central	1,216	60	430	217	50	44	66	64	55	24	27	22	157
Minn.	155	5	37	16	5	7	18	19	22	10	10	5	1
Iowa	85	6	25	11	3	4	10	10	7	2	1	2	4
Mo.	443	26	196	78	18	13	12	14	7	8	5	3	63
N. Dak.	76	2	32	19	2	4	—	5	2	—	—	1	9
S. Dak.	185	5	51	21	7	5	6	6	11	1	7	7	58
Nebr.	22	2	7	1	—	1	3	—	—	—	1	2	5
Kans.	250	14	82	71	15	10	17	10	6	3	3	2	17
S. Atlantic	2,553	158	930	373	91	80	139	150	120	20	32	50	410
Del.	12	1	6	2	1	—	1	—	—	—	—	—	1
Md.	269	17	98	42	11	12	15	21	23	7	11	5	7
D. C.	85	10	32	16	1	3	4	2	2	—	—	—	15
Va.	142	3	33	25	8	8	8	10	9	2	1	2	33
W. Va.	39	3	12	7	3	—	3	5	2	—	1	3	—
N. C.	171	11	62	32	9	8	14	18	10	1	2	4	—
S. C.	265	10	95	37	7	10	17	17	7	2	—	—	63
Ga.	713	37	275	116	17	18	33	27	19	1	2	10	158
Fla.	857	66	317	96	34	21	44	50	48	7	15	26	133
E. S. Central	897	49	269	102	33	19	26	42	26	12	5	9	305
Ky.	221	20	92	30	15	11	7	8	4	2	1	3	28
Tenn.	225	6	106	38	5	5	13	25	14	7	2	3	1
Ala.	246	10	23	8	2	—	4	5	3	—	1	—	190
Miss.	205	13	48	26	11	3	2	4	5	3	1	3	86
W. S. Central	2,650	149	1,059	450	130	87	117	125	106	47	29	61	290
Ark.	247	14	67	31	13	8	5	11	4	2	3	5	84
La.	122	7	63	19	5	—	4	5	6	3	—	3	7
Okla.	416	21	142	54	14	15	13	15	9	7	5	14	107
Texas	1,865	107	787	346	98	64	95	94	87	35	21	39	92
Mountain	1,968	65	463	213	77	58	87	102	92	29	35	39	708
Mont.	118	2	28	22	10	9	5	5	12	2	6	3	14
Idaho	54	—	11	9	5	4	4	2	9	2	2	1	5
Wyo.	2	—	—	—	—	—	1	—	—	—	—	—	—
Colo.	496	19	161	70	18	15	33	50	33	10	12	9	66
N. M.	551	—	—	—	—	—	—	—	—	—	—	—	551
Ariz.	553	35	215	95	38	25	36	26	30	10	11	20	12
Utah	159	9	48	17	6	5	8	19	8	5	4	5	25
Nev.	35	—	—	—	—	—	—	—	—	—	—	—	35
Pacific	4,739	117	1,190	483	186	159	261	279	298	152	80	104	1,430
Wash.	233	4	33	17	7	12	29	24	29	13	4	7	54
Oreg.	263	5	52	34	21	19	28	22	23	7	7	7	38
Calif.	4,084	106	1,100	424	156	125	202	232	244	132	68	90	1,205
Alaska	28	2	5	8	2	3	2	1	2	—	1	—	2
Hawaii	131	—	—	—	—	—	—	—	—	—	—	—	131
Guam	35	3	8	8	—	1	1	1	4	3	2	1	3
P. R.	81	—	—	—	—	—	—	—	—	—	—	—	81
V. I.	6	—	—	—	—	—	—	—	—	—	—	—	6
Pac. Trust Terr.	244	—	—	—	—	—	—	—	—	—	—	—	244

SYPHILIS

SYPHILIS — Reported Cases in Civilians per 100,000 Population by Geographic Division and by State, United States, Calendar Years 1977 and 1978

Area	PRIMARY/SECONDARY		ALL STAGES	
	Rate		Rate	
	1978	1977	1978	1977
United States	10.0	9.5	30.0	30.1
New England	4.6	6.5	14.1	16.9
Maine	1.0	2.6	7.4	5.6
N. H.	0.8	0.9	1.6	3.0
Vt.	0.6	1.2	1.2	2.7
Mass.	5.9	9.5	17.4	23.8
R. I.	3.1	1.5	15.7	10.5
Conn.	5.5	6.0	15.1	15.9
Mid. Atlantic	8.1	8.0	27.7	27.2
N. Y.	12.9	12.0	36.2	31.5
N. J.	4.9	5.1	24.8	26.0
Pa.	2.8	3.6	16.6	21.3
E. N. Central	6.1	5.3	23.6	24.0
Ohio	4.3	4.5	14.9	17.1
Ind.	3.1	3.0	17.4	16.9
Ill.	13.7	10.5	50.7	48.8
Mich.	2.8	2.9	12.3	13.0
Wis.	1.6	2.3	7.9	10.0
W. N. Central	2.6	2.8	18.0	18.4
Minn.	3.6	4.0	8.8	8.7
Iowa	1.2	1.3	8.1	8.8
Mo.	3.0	3.6	32.7	36.2
N. Dak.	0.6	0.5	2.8	2.0
S. Dak.	0.4	1.8	2.8	4.5
Nebr.	1.0	1.6	5.7	9.1
Kans.	3.7	2.5	32.4	25.0
S. Atlantic	16.6	16.8	44.6	46.8
Del.	2.1	2.9	10.9	18.5
Md.	10.8	10.2	45.4	38.0
D. C.	61.1	78.6	191.6	236.8
Va.	9.5	10.8	33.1	36.6
W. Va.	1.6	0.3	31.7	38.7
N. C.	11.1	14.4	30.5	40.1
S. C.	10.1	9.4	23.2	25.3
Ga.	27.9	25.5	54.8	51.2
Fla.	23.3	21.9	54.7	54.4
E. S. Central	8.1	5.7	19.5	16.2
Ky.	4.3	3.2	15.8	14.5
Tenn.	8.9	6.0	18.8	17.1
Ala.	5.4	4.5	11.2	9.2
Miss.	16.5	10.8	39.2	28.2
W. S. Central	16.2	13.7	37.3	34.1
Ark.	3.5	3.1	16.4	13.3
La.	18.5	17.1	41.4	38.8
Okla.	3.3	3.2	12.8	13.2
Texas	20.5	16.7	45.0	40.8
Mountain	4.1	4.3	13.7	14.3
Mont.	1.0	1.1	2.4	3.7
Idaho	1.0	0.9	1.5	1.3
Wyo.	1.4	1.0	6.2	5.0
Colo.	4.7	4.8	15.2	13.1
N. M.	7.3	8.5	23.0	30.7
Ariz.	4.9	6.7	21.9	26.0
Utah	1.1	1.0	3.8	2.2
Nev.	8.8	2.6	16.5	7.4
Pacific	15.2	14.5	43.5	44.4
Wash.	7.1	7.2	14.6	14.2
Oreg.	7.0	6.1	17.0	11.9
Calif.	18.1	17.2	53.1	54.7
Alaska	3.2	7.1	14.9	27.7
Hawaii	5.2	4.3	9.8	8.6
Guam	0.0	1.0	0.0	1.0
P. R.	16.1	18.7	50.0	52.5
V. I.	18.0	10.0	90.0	80.0

Note: Rates less than .05 are shown as 0.0.

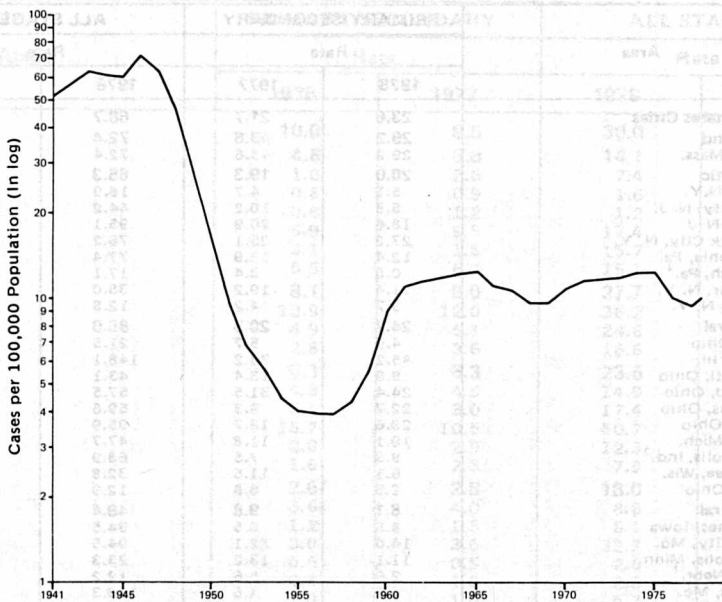
SYPHILIS — Reported Cases in Civilians per 100,000 Population by Geographic Division and by City,¹ United States, Calendar Years 1977 and 1978

Area	PRIMARY/SECONDARY		ALL STAGES	
	Rate		Rate	
	1978	1977	1978	1977
United States Cities	23.6	21.7	68.7	67.7
New England	29.2	43.6	72.4	96.5
Boston, Mass.	29.2	43.6	72.4	96.5
Mid. Atlantic	20.0	19.3	65.3	61.1
Buffalo, N. Y.	5.1	4.7	16.9	12.5
Jersey City, N. J.	5.8	10.2	44.2	58.2
Newark, N. J.	18.6	20.9	95.1	112.9
New York City, N. Y.	27.8	25.1	76.2	63.4
Philadelphia, Pa.	12.4	13.9	77.4	88.7
Pittsburgh, Pa.	0.8	3.4	17.1	27.2
Rochester, N. Y.	11.4	19.2	38.0	40.2
Yonkers, N. Y.	3.7	4.2	12.8	14.8
E. N. Central	24.7	20.5	86.0	86.0
Akron, Ohio	4.9	5.7	21.5	27.6
Chicago, Ill.	45.2	33.2	148.1	141.1
Cincinnati, Ohio	9.8	13.4	43.1	56.0
Cleveland, Ohio	24.4	31.5	57.5	82.6
Columbus, Ohio	22.7	9.3	59.6	30.7
Dayton, Ohio	23.6	13.7	95.9	75.1
Detroit, Mich.	10.1	11.8	47.7	53.6
Indianapolis, Ind. ²	9.3	7.5	63.9	63.0
Milwaukee, Wis.	6.1	11.6	32.8	43.8
Toledo, Ohio	2.5	6.8	12.9	20.3
W. N. Central	8.1	9.8	48.4	53.9
Des Moines, Iowa	8.5	6.5	34.5	35.2
Kansas City, Mo.	14.0	22.1	94.5	86.3
Minneapolis, Minn. ²	11.1	13.2	23.3	23.5
Omaha, Nebr. ²	2.6	5.6	12.2	24.2
St. Louis, Mo.	6.6	4.6	119.3	147.0
St. Paul, Minn.	5.2	4.8	16.0	15.9
Wichita, Kans. ²	3.1	3.2	28.6	26.1
S. Atlantic	41.3	39.0	103.7	101.3
Atlanta, Ga. ²	100.7	79.7	186.9	150.9
Baltimore, Md.	33.5	32.2	135.2	117.1
Charlotte, N. C.	18.7	28.3	32.4	60.7
Jacksonville, Fla.	23.3	20.0	51.1	58.9
Miami, Fla. ²	47.4	40.2	104.2	89.5
Norfolk, Va.	18.7	28.1	68.3	73.3
Richmond, Va.	52.0	61.4	145.4	175.9
St. Petersburg, Fla. ²	4.4	4.4	19.2	16.9
Tampa, Fla. ²	35.2	20.7	67.2	48.3
Washington, D. C.	61.1	78.6	191.6	236.8
E. S. Central	16.9	11.5	32.2	24.6
Birmingham, Ala. ²	3.7	5.7	6.8	8.1
Louisville, Ky. ²	17.0	11.3	41.8	32.1
Memphis, Tenn. ²	25.7	14.5	42.2	29.3
Nashville, Tenn. ²	21.3	15.1	37.4	28.5
W. S. Central	31.0	24.8	63.1	56.8
Austin, Tex. ²	18.1	16.4	44.4	48.3
Corpus Christi, Tex. ²	13.0	9.8	33.6	33.9
Dallas, Tex. ²	33.2	36.6	72.2	73.5
El Paso, Tex. ²	21.0	11.3	58.4	49.2
Fort Worth, Tex. ²	19.2	8.9	38.6	21.4
Houston, Tex. ²	52.9	36.9	94.6	78.3
New Orleans, La.	39.6	39.8	81.7	87.9
Oklahoma City, Okla.	10.1	6.5	26.5	19.9
San Antonio, Tex. ²	14.3	11.1	32.9	34.1
Tulsa, Okla.	6.4	6.5	23.7	22.0
Mountain	8.3	10.2	27.9	29.5
Albuquerque, N. M. ²	12.1	16.9	33.1	43.3
Denver, Colo. ²	16.5	17.6	47.2	42.3
Phoenix, Ariz. ²	5.4	6.7	22.8	23.4
Tucson, Ariz. ²	4.7	6.4	17.6	21.2
Pacific	21.7	20.7	68.0	70.5
Honolulu, Hawaii	7.2	5.1	12.6	11.7
Los Angeles, Calif. ²	24.1	20.4	96.2	95.9
Oakland, Calif. ²	11.3	21.6	28.8	44.3
Portland, Oreg. ²	22.2	15.1	48.6	29.1
Sacramento, Calif. ²	8.4	5.1	14.8	13.4
San Diego, Calif. ²	14.3	8.3	30.5	23.4
San Francisco, Calif.	93.2	123.9	203.9	263.0
San Jose, Calif. ²	7.1	4.8	16.7	18.7
Seattle, Wash. ²	14.2	14.7	23.3	25.3
San Juan, P. R. ²	28.8	25.5	101.3	74.8

¹ Restricted to cities with population of 200,000 or more in 1970.
² County data or equivalent. Oakland is Alameda County less Berkeley.

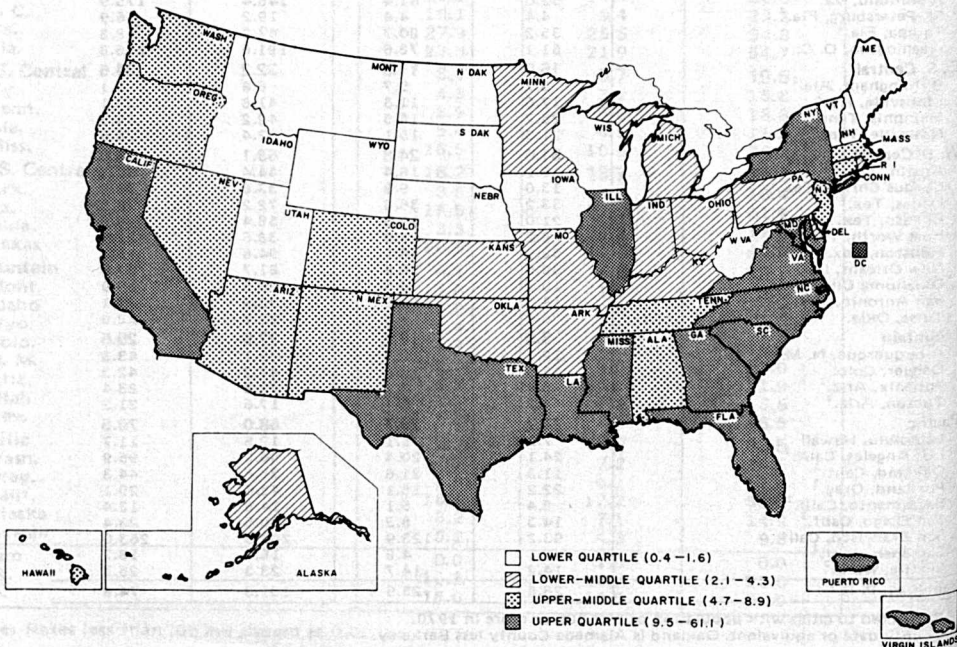
SYPHILIS

SYPHILIS (Primary and Secondary) — Reported Civilian Case Rates by Year, United States, 1941–1978*



* 1941-1946 Fiscal Years: Twelve month period ending June 30 of year specified.
1947-1978 Calendar Years.

SYPHILIS (Primary and Secondary) — Reported Cases in Civilians per 100,000 Population by State, United States, Calendar Year 1978



SYPHILIS — Reported Cases in Civilians and Cases per 100,000 Population by Age and Sex, United States, 1977 and 1978

Primary and Secondary

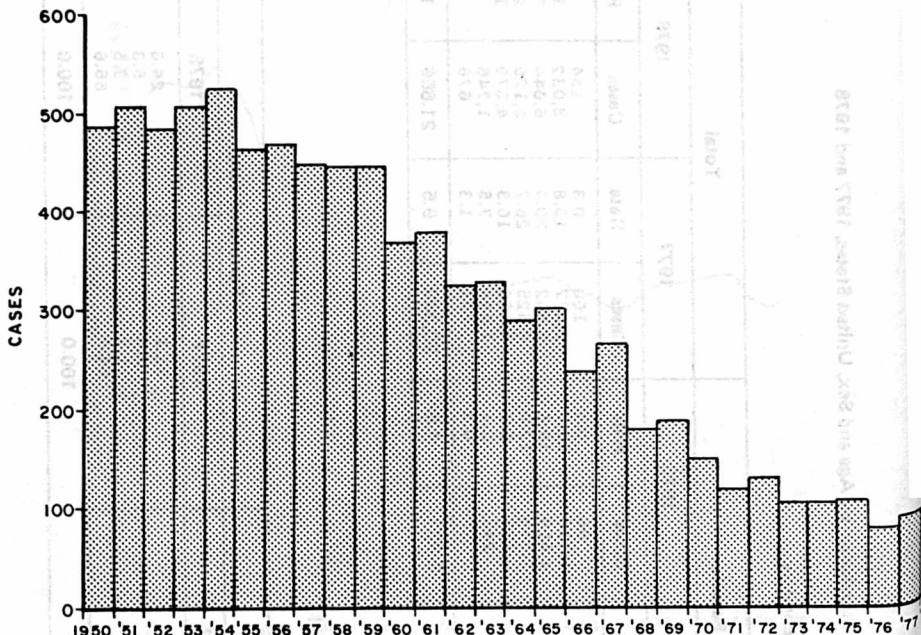
Age Group	Male				Female				Total			
	1977		1978		1977		1978		1977		1978	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
0-14	58	0.2	58	0.2	102	0.4	96	0.4	160	0.3	154	0.3
15-19	1,569	15.1	1,716	16.5	1,308	12.6	1,316	12.7	2,877	13.8	3,032	14.6
20-24	4,158	44.4	4,388	46.0	1,694	17.1	1,656	16.4	5,852	30.4	6,044	30.8
25-29	3,633	43.0	4,037	46.9	992	11.2	1,088	12.0	4,625	26.7	5,125	29.0
30-39	3,759	28.4	4,043	29.2	701	5.0	836	5.7	4,460	16.3	4,879	17.1
40-49	1,423	13.0	1,504	13.8	271	2.3	242	2.1	1,694	7.5	1,746	7.7
50+	633	2.5	579	2.3	98	0.3	97	0.3	731	1.3	676	1.2
Total	15,233	14.7	16,325	15.6	5,166	4.7	5,331	4.8	20,399	9.5	21,656	10.0

Congenital

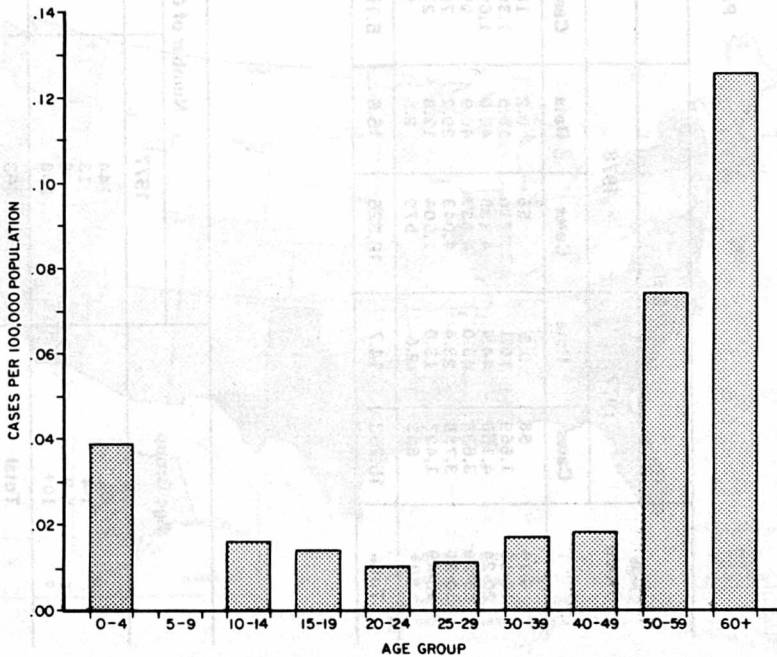
Age Group	Number of Cases		Percent of Total	
	1977	1978	1977	1978
<1	144	107	31.1	24.6
1-4	13	23	2.8	5.3
5-9	8	15	1.7	3.5
10+	298	289	64.4	66.6
Total	463	434	100.0	100.0

TETANUS

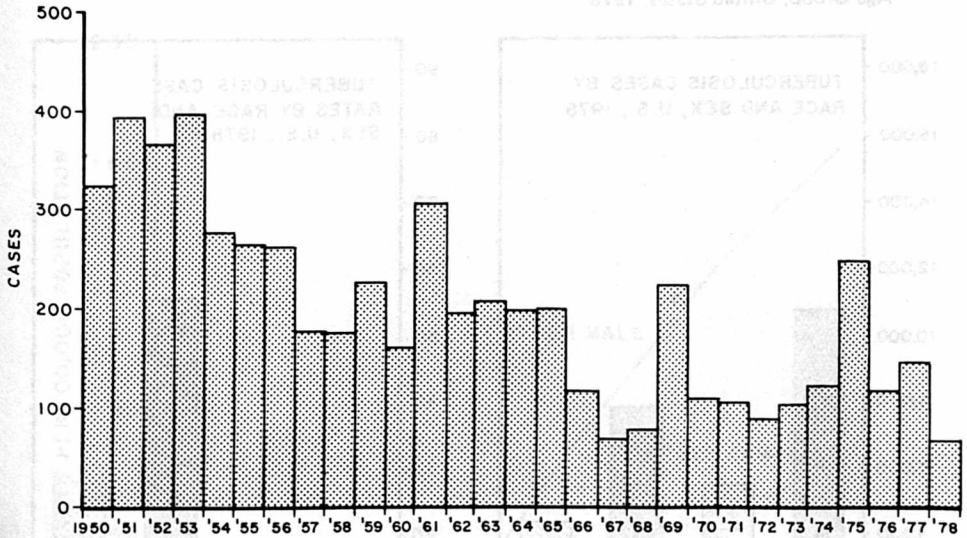
TETANUS — Reported Cases by Year, United States, 1950–1978



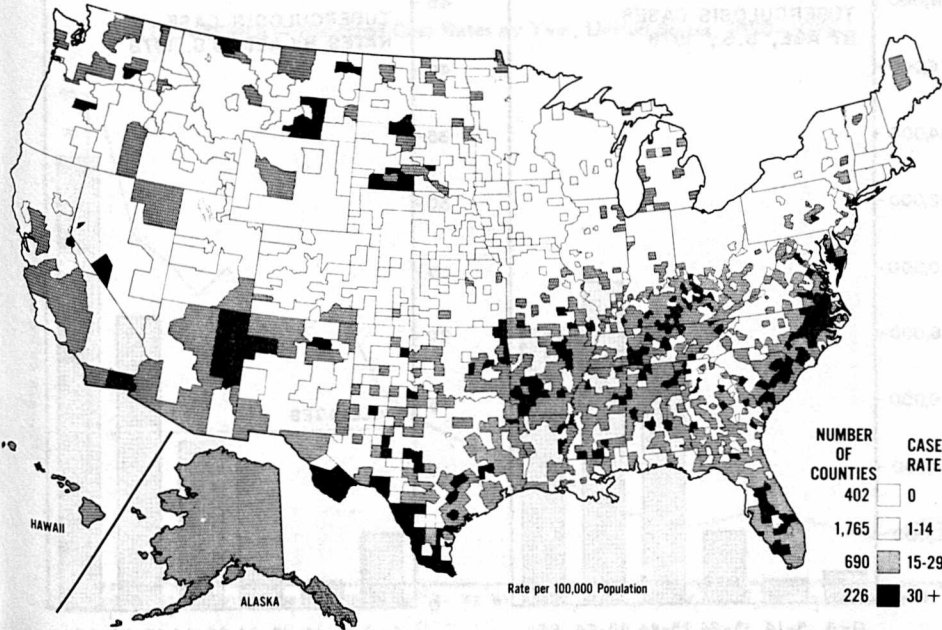
TETANUS — Reported Case Rates by Age Group, United States, 1978



TRICHINOSIS – Reported Cases by Year, United States, 1950–1978

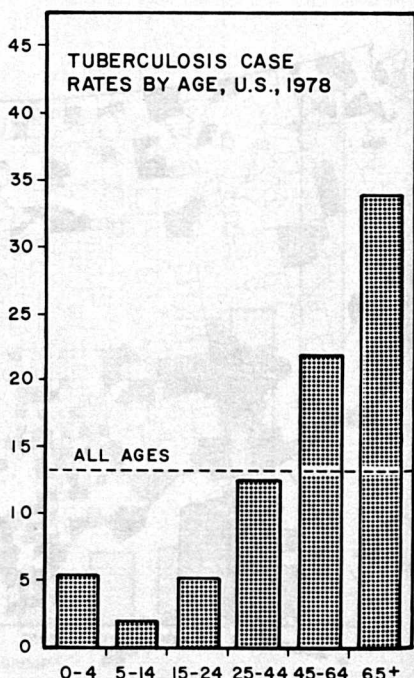
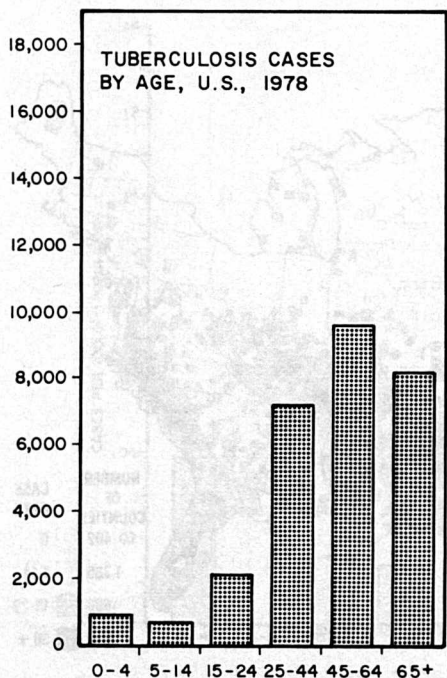
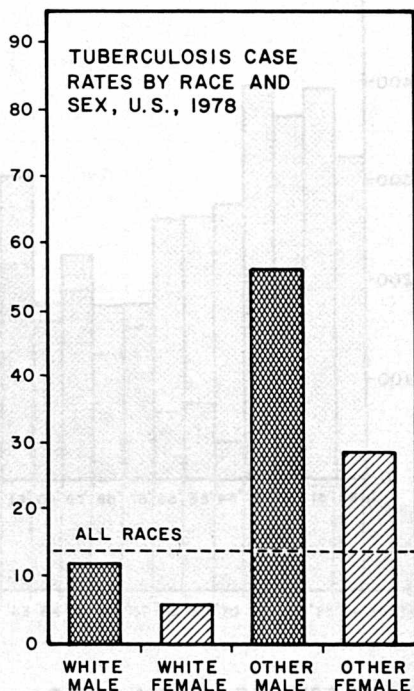
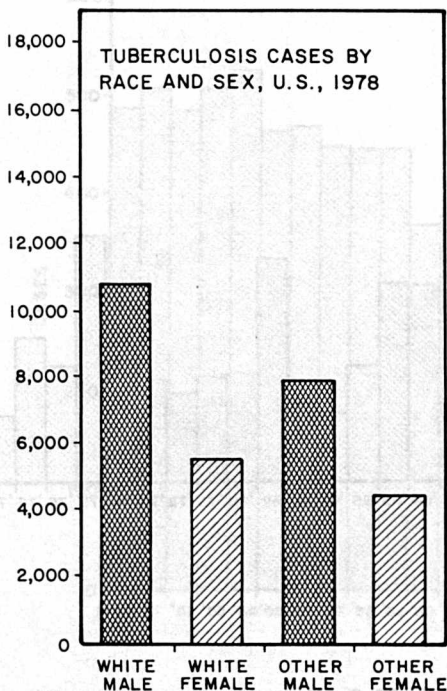


TUBERCULOSIS – Reported Average Cases per 100,000 Population by County, United States, 1975–1977



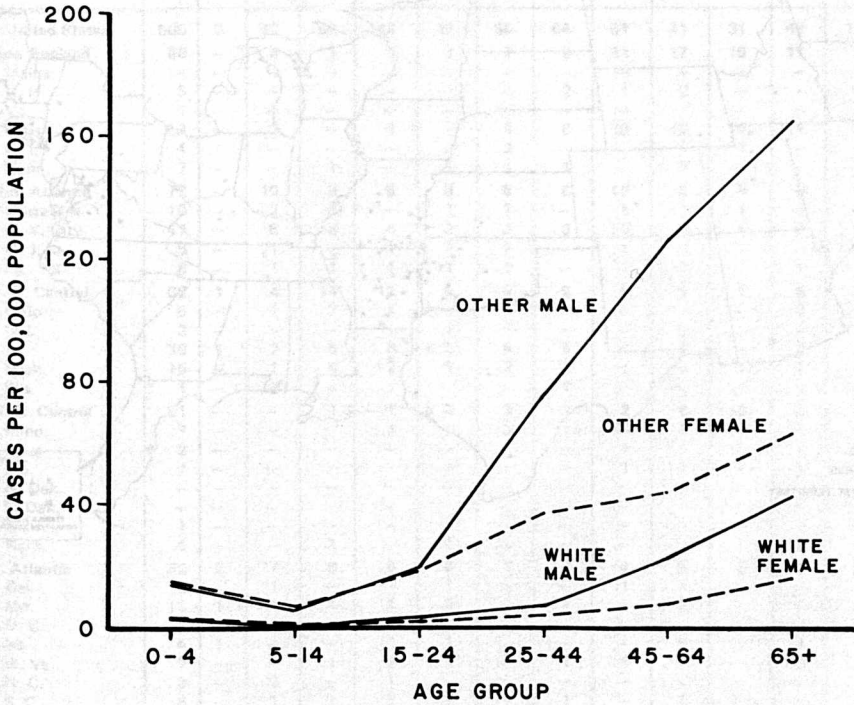
TUBERCULOSIS - RACIAL AND SEX DIFFERENTIALS

TUBERCULOSIS - Reported Cases and Cases per 100,000 Population by Race and Sex and by Age Group, United States, 1978

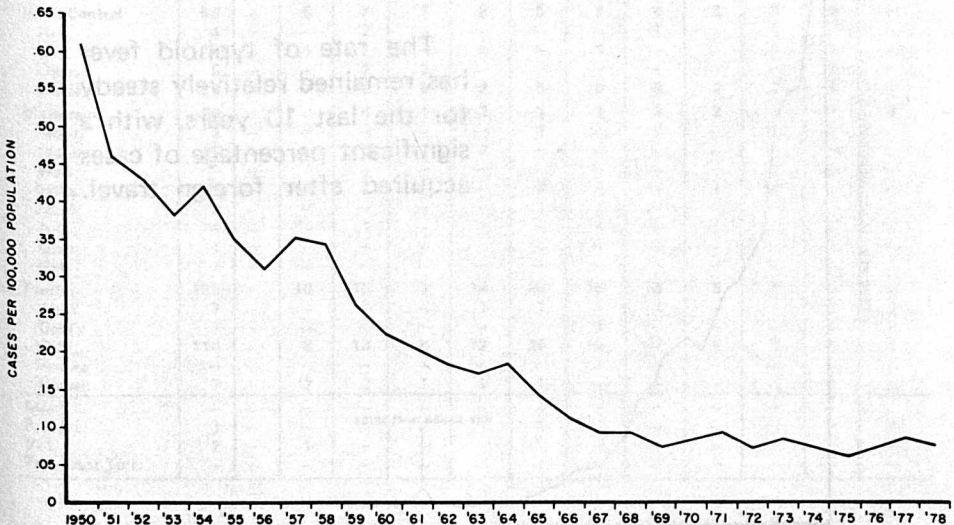


TUBERCULOSIS – TULAREMIA

TUBERCULOSIS – Reported Case Rates by Race, Sex, and Age, United States, 1978



TULAREMIA – Reported Case Rates by Year, United States, 1950–1978

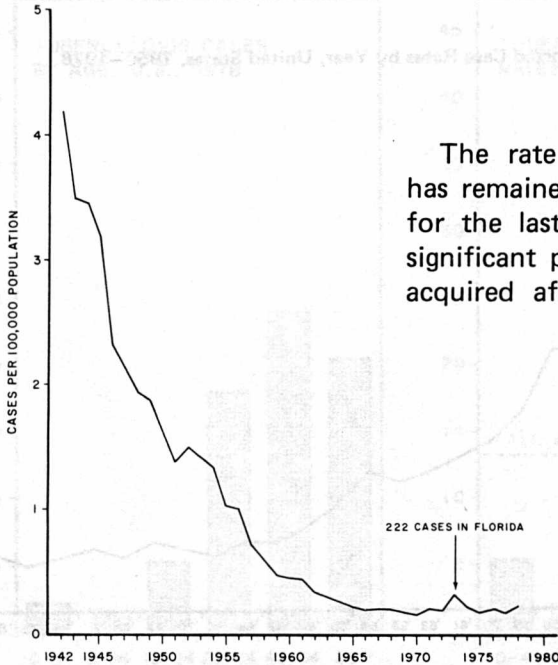


TULAREMIA – TYPHOID FEVER

TULAREMIA – Reported Cases by County, United States, 1978



TYPHOID FEVER – Reported Case Rates by Year, United States, 1942–1978

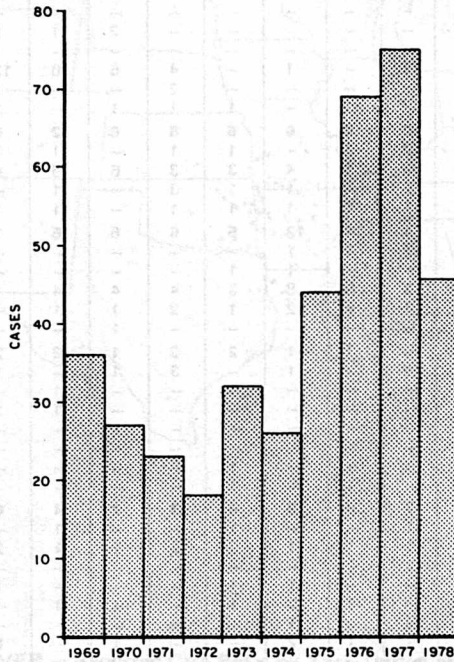


The rate of typhoid fever has remained relatively steady for the last 10 years, with a significant percentage of cases acquired after foreign travel.

TYPHOID FEVER — Reported Cases by State and by Age, United States, 1978

Area	Total	<1	1-4	5-9	10-14	15-19	20-24	25-29	30-39	40-49	50-59	60+	Unk.
United States	505	3	42	58	44	39	64	54	61	41	31	49	19
New England	80	—	2	1	1	1	7	9	11	17	15	11	5
Maine	—	—	—	—	—	—	—	—	—	—	—	—	—
N. H.	5	—	—	—	—	—	—	2	1	2	—	—	—
Vt.	1	—	—	—	—	—	—	—	—	—	—	—	1
Mass.	63	—	2	—	1	—	4	6	10	12	14	11	3
R. I.	4	—	—	—	—	—	2	—	—	1	1	—	—
Conn.	7	—	—	1	—	1	1	1	—	2	—	—	1
Mid. Atlantic	73	—	10	9	6	6	8	6	12	6	3	6	1
Upstate N. Y.	10	—	2	3	—	1	1	—	1	1	1	—	—
N. Y. City	47	—	6	5	4	3	3	6	9	4	1	5	1
N. J.	8	—	1	—	1	1	3	—	1	—	1	—	—
Pa.	8	—	1	1	1	1	1	—	1	1	—	1	—
E. N. Central	62	1	4	14	12	5	6	6	5	1	1	5	2
Ohio	6	—	1	2	1	—	—	—	—	—	—	2	—
Ind.	2	—	—	—	1	1	—	—	—	—	—	—	—
Ill.	38	1	2	8	8	3	4	4	4	1	—	2	1
Mich.	15	—	1	4	2	1	2	1	1	—	1	1	1
Wis.	1	—	—	—	—	—	—	1	—	—	—	—	—
W. N. Central	21	—	—	1	1	2	3	1	2	2	3	3	3
Minn.	7	—	—	—	1	—	3	1	—	1	1	—	—
Iowa	2	—	—	—	—	—	—	—	1	—	1	—	—
Mo.	7	—	—	—	—	—	—	—	1	1	1	1	3
N. Dak.	—	—	—	—	—	—	—	—	—	—	—	—	—
S. Dak.	—	—	—	—	—	—	—	—	—	—	—	—	—
Nebr.	1	—	—	—	—	1	—	—	—	—	—	—	—
Kans.	4	—	—	1	—	1	—	—	—	—	—	2	—
S. Atlantic	62	2	7	6	9	6	3	7	4	6	3	5	4
Del.	3	—	1	—	—	1	—	—	1	—	—	—	—
Md.	13	1	1	1	1	2	2	1	1	2	—	—	1
D. C.	1	—	1	—	—	—	—	—	—	—	—	—	—
Va.	4	1	—	—	1	1	—	—	—	1	—	—	—
W. Va.	7	—	—	1	2	1	—	1	1	—	—	1	—
N. C.	3	—	2	—	1	—	—	—	—	—	—	—	—
S. C.	8	—	1	1	2	—	—	1	—	1	—	—	2
Ga.	4	—	—	—	—	—	—	2	—	—	—	1	1
Fla.	19	—	1	3	2	1	1	2	1	2	3	3	—
E. S. Central	9	—	1	1	—	—	1	1	—	—	1	4	—
Ky.	2	—	—	1	—	—	—	—	—	—	1	—	—
Tenn.	4	—	—	—	—	—	—	1	—	—	—	3	—
Ala.	3	—	1	—	—	—	1	—	—	—	—	1	—
Miss.	—	—	—	—	—	—	—	—	—	—	—	—	—
W. S. Central	53	—	8	7	7	2	5	7	6	2	3	6	—
Ark.	4	—	—	2	—	—	—	—	1	—	1	—	—
La.	4	—	1	1	—	—	—	1	—	—	—	1	—
Okla.	5	—	—	2	2	—	—	—	—	—	—	1	—
Texas	40	—	7	2	5	2	5	6	5	2	2	4	—
Mountain	20	—	—	4	1	3	5	1	3	2	—	—	1
Mont.	3	—	—	—	—	—	1	—	2	—	—	—	—
Idaho	5	—	—	2	1	2	—	—	—	—	—	—	—
Wyo.	—	—	—	—	—	—	—	—	—	—	—	—	—
Colo.	5	—	—	1	—	—	3	—	—	1	—	—	—
N. M.	2	—	—	—	—	—	1	—	—	—	—	—	1
Ariz.	4	—	—	1	—	1	—	1	—	1	—	—	—
Utah	1	—	—	—	—	—	—	—	1	—	—	—	—
Nev.	—	—	—	—	—	—	—	—	—	—	—	—	—
Pacific	125	—	10	15	7	14	26	16	18	5	2	9	3
Wash.	7	—	—	—	—	1	1	—	1	—	—	2	2
Oreg.	1	—	—	—	—	—	—	1	—	—	—	—	—
Calif.	110	—	8	13	6	12	24	15	17	5	2	7	1
Alaska	—	—	—	—	—	—	—	—	—	—	—	—	—
Hawaii	7	—	2	2	1	1	1	—	—	—	—	—	—
Guam	—	—	—	—	—	—	—	—	—	—	—	—	—
P. R.	3	—	—	—	—	1	1	—	—	—	—	—	1
V. I.	2	—	1	—	—	—	—	1	—	—	—	—	—
Pac. Trust Terr.	—	—	—	—	—	—	—	—	—	—	—	—	—

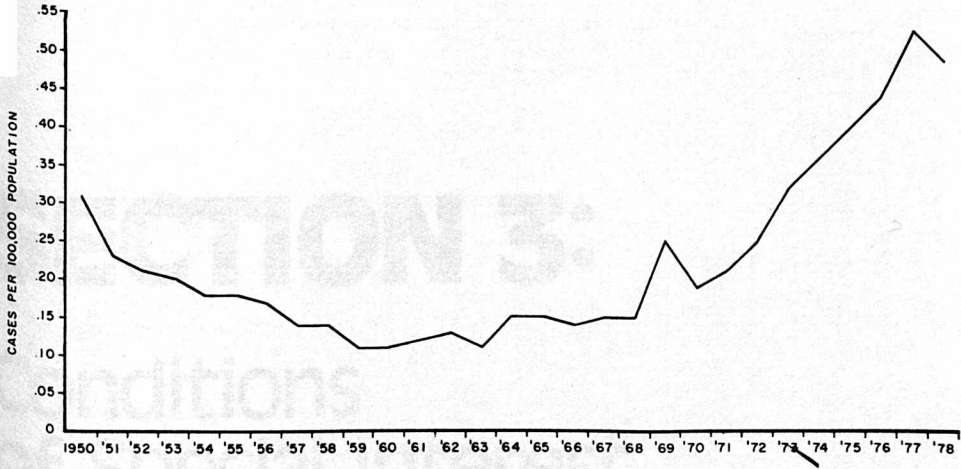
**TYPHUS FEVER, FLEA-BORNE (Endemic, Murine) –
Reported Cases by Year, United States, 1969–1978**



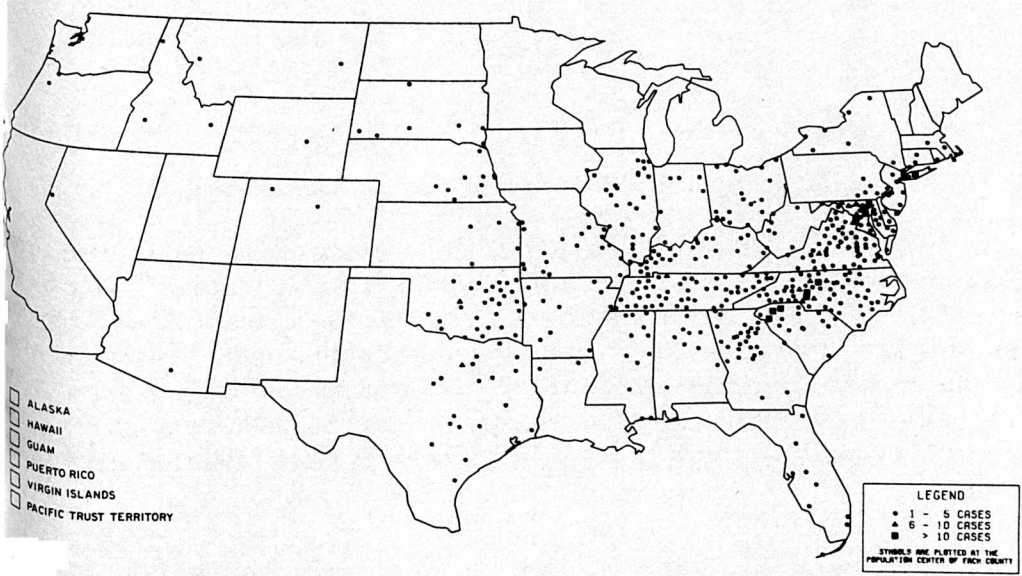
Typhus Fever, Tick-Borne (Rocky Mountain Spotted Fever)

In 1978, 1,063 cases (0.49 cases/100,000) of Rocky Mountain spotted fever were reported to CDC, a decrease from the 1,153 cases (0.53 cases/100,000) reported in 1977. This was the first drop in case reporting since 1970, interrupting an otherwise steadily increasing trend. Again, the South Atlantic states accounted for the majority of reported cases (53.3%). Most cases continued to occur from May through September, most commonly in children and young adults. Less than 5% of reported cases are fatal. The disease is more serious in those older than 40.

TYPHUS FEVER, TICK-BORNE (Rocky Mountain Spotted Fever) – Reported Case Rates by Year, 1950–1978



TYPHUS FEVER, TICK-BORNE (Rocky Mountain Spotted Fever) – Reported Cases by County, United States, 1978



SECTION 3:

**Conditions
of Special Interest**

ECTION 3:

ambitious
judicious
specious interest

NON-NOTIFIABLE CONDITIONS

NON-NOTIFIABLE CONDITIONS — Cases of Acute Conditions *Optionally* Reported by Certain States, 1978

Area	Giardiasis ¹	Histoplasmosis	Infectious Mononucleosis	Meningitis (Bacterial & Unspecified)	Reye Syndrome ²	Streptococcal Sore Throat & Scarlet Fever	Toxoplasmosis
No. Cases Reported	12,947	771	16,027	4,331	236	397,039	579
No. States Reporting	—	(18)	(27)	(43)	—	(40)	(17)
New England	483	—	904	191	12	32,314	74
Maine	7			10	1	2,676	5
N. H.	38			19	—	—	1
Vt.	56		27	11	—	3,979	—
Mass.					2	8,719	—
R. I.	115		39	39	4	7,129	—
Conn.	267		838	112	5	9,811	68
Mid. Atlantic	577	2	8,545	896	38	9,969	14
Upstate N. Y.	27		7,468	356	27 ³	5	—
N. Y. City	400			328	—	831	—
N. J.	132				3	—	—
Pa.	18	2	1,077	212	8	9,133	14
E. N. Central	545	324	1,439	900	76	70,728	125
Ohio	64	3	813	76	23	2,277	41
Ind.	118	307	101	135	12	15,076	84
Ill.	32	12		485	18	12,714	—
Mich.	203			130	22	29,759	—
Wis.	128	2	525	74	1	10,902	—
W. N. Central	939	386	1,374	320	27	48,947	223
Minn.	620	68		42	—	—	44
Iowa	66	4	1,157	74	14	—	1
Mo.	83	310	169	93	3	20,555	168
N. Dak.	27				1	4,792	—
S. Dak.	8	2	46	26	2	3,509	10
Nebr.	18			36	5	11,168	—
Kans.	117	2	2	49	2	8,923	—
S. Atlantic	4,158	8	1,090	765	32	51,099	132
Del.	5			39	—	1,386	—
Md.	167			139	1	12,512	—
D. C.	—			—	—	1,907	—
Va.	231	7	805	201	10	482	9
W. Va.	97		273	27	1	14,299	—
N. C.	186			288	—	—	—
S. C.	676		12	71	1	1,976	—
Ga.	591	1			15	2,957	121
Fla.	2,205				4	15,580	2
E. S. Central	1,796	15	472	314	17	16,966	3
Ky.	181	13	246	140	2	3,051	—
Tenn.	236				8	—	—
Ala.	894		104	105	4	4,702	—
Miss.	485	2	122	69	3	9,213	3
W. S. Central	1,359	22	42	210	7	29,487	—
Ark.	224	20	37	59	1	54	—
La.	724	2	5		5	—	—
Okla.	104			151	—	—	—
Texas	307				1	29,433	—
Mountain	369	2	181	273	22	97,085	3
Mont.	47		2	30	2	3,989	—
Idaho	29		45	19	—	—	1
Wyo.	1			2	3	22,855	—
Colo.	69			78	10	60,002	—
N. M.	22			50	1	—	—
Ariz.	26	2		26	4	—	—
Utah	172		133	65	2	10,171	2
Nev.	3		1	3	—	68	—
Pacific	2,721	12	1,980	462	5	40,444	5
Wash.	320			181	3	9,393	—
Oreg.	35		1,917	79	—	6,369	—
Calif.	2,246	12	17	151	2	19,723	5
Alaska	—			38	—	—	—
Hawaii	120		46	13	—	4,959	—
Guam	—		11	12	—	812	—
P. R.	107		10	165	—	38	—
V. I.	32				—	3	—
Pac. Trust Terr.	—			26	—	336	—

¹ Source: Parasitic Diseases Division, Bureau of Epidemiology. Refers to stool specimens containing *Giardia lamblia*.

² Source: Viral Diseases Division, Bureau of Epidemiology.

³ Includes New York City.

NON-NOTIFIABLE CONDITIONS

NON-NOTIFIABLE CONDITIONS — Cases of Acute Conditions *Optionally* Reported by Certain States, 1978 — Continued

Fungal Diseases

Actinomycosis	Mass. 2; Minn. 2; Okla. 1; Va. 1
Blastomycosis	Ariz. 1; Ark. 14; Fla. 7; Ill. 1; Ky. 3; Minn. 3; Mo. 14; Nev. 1; N.C. 1; Va. 7; Wis. 1
Coccidioidomycosis	Ariz. 85; Ark. 2; Calif. 1096; Fla. 1; Idaho 1; Minn. 4; Mo. 6; Nev. 2; Oreg. 11; S. Dak. 2; Utah 1; Va. 1
Cryptococcosis	Ark. 5; Calif. 1; Fla. 2; Ind. 1; Ky. 4; La. 1; Md. 4; Minn. 4; Miss. 1; Mo. 15; Ohio 1; Pa. 8; S.C. 2; S. Dak. 1; Va. 5
Nocardiosis	Ind. 7; Minn. 1; Mo. 12; Va. 2

Rickettsial Diseases

Q Fever	Ariz. 7; Calif. 10; Colo. 1; Iowa 2; Maine 5; Oreg. 4; Wash. 3; Wis. 1
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Viral Diseases

Colorado Tick Fever	Calif. 6; Colo. 104; Idaho 7; Mont. 18; N. Mex. 1; Oreg. 1; S. Dak. 9; Utah 21; Wash. 1; Wyo. 2
Trachoma	Calif. 5; N. Mex. 6; Oreg. 1; Utah 1

Conditions included in this table are not officially notifiable to the Center for Disease Control but are reported *optionally* by some states. These data should be used with great caution and should in no way be considered a representative national sample. We have not included a summary of every optionally reported condition because of the limitations of space and infrequency of reports. Unpublished data will be made available to individuals on specific request.

NON-NOTIFIABLE CONDITIONS — Deaths from Selected Acute Conditions, United States, 1968—1977
 (Numbers after cause of death are category numbers of the Eighth Revision of the International Classification of Disease, Adapted 1965)

CAUSE OF DEATH	ICDA	1977	1976	1975	1974	1973	1972*	1971	1970	1969	1968
Abortion											
Septic	640.0,641.0,642.0,643.0,644.0,645.0, 640.2,641.2,642.2,643.2,644.2,645.2	4	10	15	14	24	46	64	94	94	84
Non-septic	640.1,640.9,641.1,641.9, 642.1,642.3,642.9, 643.1,643.9,644.1,644.9, 645.1,645.9	16	6	12	13	12	24	35	42	38	49
Diabetes mellitus	250	32,989	34,508	35,230	37,329	38,208	38,674	38,256	38,324	38,541	38,352
Fungal infections											
Actinomycosis	113	12	11	9	9	8	10	12	18	15	16
Aspergillosis	117.3	112	66	63	50	55	42	32	38	36	28
Blastomycosis	116.1-116.2	2	2	2	1	—	—	3	3	2	—
Coccidioidomycosis	114	58	66	60	61	37	30	37	42	60	58
Cryptococcosis	116.0	134	123	131	122	125	136	119	112	117	96
Histoplasmosis	115	55	49	59	58	53	62	55	56	61	58
Moniliasis	112	237	244	215	190	173	138	159	153	114	112
Nocardiosis	117.8	18	36	24	37	20	22	13	27	24	26
Unspecified	117.9	60	63	37	61	54	42	43	35	45	36
Giardiasis	007.1	—	1	—	1	—	—	1	—	—	—
Herpes zoster	053	136	113	132	112	95	86	75	79	82	69
Hydatid disease	122	2	4	3	5	4	4	7	3	9	6
Meningitis, excluding meningococcal and tuberculous	320	1,526	1,589	1,630	1,539	1,523	1,482	1,553	1,701	1,719	1,707
Mononucleosis, infectious	075	13	18	11	24	25	18	22	19	21	14
Renal disease	400.3,403,581-584,590-595	22,140	22,584	22,304	23,536	24,651	25,856	26,019	27,197	28,199	28,921
Reye syndrome	347.9	2,650	2,317	2,266	2,388	2,071	1,872	1,741	1,654	1,484	1,423
Respiratory infections											
Bronchitis, acute	466	697	854	737	750	905	1,146	1,154	1,310	1,286	1,432
Influenza	470-474	1,304	7,877	4,277	2,201	5,131	4,986	1,504	3,707	5,971	7,062
Pneumonia (primary cause of death)	480-486	49,889	53,989	51,387	52,576	57,428	57,594	55,690	59,032	62,394	66,430
Upper respiratory infections, acute	460-465	368	384	342	377	453	504	522	574	621	784
Rheumatoid arthritis	712,718	1,396	1,343	1,311	1,356	1,402	1,292	1,304	1,291	1,302	1,418
Sepsis of childbirth	635,670	13	16	11	17	9	38	30	18	27	32
Streptococcal sore throat and scarlet fever	034	14	14	15	22	20	16	23	29	41	28
Toxoplasmosis	130.0,130.1,130.2,130.9	19	13	11	13	13	14	21	21	14	20

Source: National Center for Health Statistics, *Vital Statistics of the United States*, Vol. II, for respective year.

*Based on 50% sample of death records.

NON-NOTIFIABLE CONDITIONS

ABORTION — Reported Number of Legal Abortions by State of Occurrence, Abortion Ratios, and Abortion Rates, 1977

State	Abortions ¹	Live Births ¹	Ratios ²	Females 15-44 ³	Rate ⁴
Ala.	11,042 ⁵	61,970 ⁶	178	815,200	14
Alaska	1,074	8,378	128	103,700	10
Ariz.	6,130	41,827	147	506,200	12
Ark.	2,726	33,351	82	483,100	6
Calif.	164,729	347,817 ⁶	474	5,012,700	33
Colo.	12,913	43,056	300	645,700	20
Conn.	14,997	36,658 ⁶	409	680,300	22
Del.	2,299	8,630 ⁶	266	134,000	17
D. C.	29,545	9,885	*	171,300	172
Fla.	41,571	110,883	375	1,724,000	24
Ga.	29,905	84,432	354	1,184,700	25
Hawaii	5,249	16,983	309	205,500	26
Idaho	1,060	18,291	58	183,500	6
Ill.	71,326	177,148	403	2,485,300	29
Ind.	9,508	85,144	112	1,192,400	8
Iowa	5,097 ⁵	44,945 ⁶	113	604,700	8
Kans.	7,413 ⁶	36,994 ⁶	200	508,800	15
Ky.	10,392 ⁵	58,544	178	772,000	13
La.	8,644	74,989	115	910,000	9
Maine	2,318 ⁵	16,147 ⁶	144	229,800	10
Md.	22,241	55,828	398	990,700	22
Mass.	34,382	67,973 ⁶	506	1,245,200	28
Mich.	41,086 ⁵	138,473 ⁶	297	2,166,300	19
Minn.	15,532	60,284	258	888,700	17
Miss.	2,446	45,532	54	517,600	5
Mo.	13,532	72,957	185	1,052,300	13
Mont.	2,539	13,054	195	168,200	15
Nebr.	4,534 ⁶	25,209 ⁶	180	344,100	13
Nev.	4,297	10,516	409	147,500	29
N.H.	1,735	12,074	144	188,000	9
N.J.	30,702	93,786	327	1,617,400	19
N.M.	4,568	23,100	198	281,700	16
N.Y.	147,647	241,533	611	4,049,800	36
(City)	(102,459) ⁷	(110,486) ⁷	(927)		
(Upstate)	(45,188) ⁶	(131,047) ⁸	(345)		
N.C.	25,020	84,562	296	1,267,400	20
N. Dak.	2,005	11,421 ⁶	176	138,400	14
Ohio	47,715	161,239	296	2,368,800	20
Okla.	8,220	45,457 ⁶	181	612,700	13
Oreg.	13,163 ⁶	37,519 ⁶	351	538,600	24
Pa.	57,880	153,415	377	2,512,600	23
R.I.	4,106	11,617	353	197,200	21
S.C.	8,799	47,967	183	662,300	13
S. Dak.	1,384	12,069	115	144,100	10
Tenn.	16,463	66,632	247	970,500	17
Texas	54,517	229,194 ⁶	238	2,929,500	19
Utah	3,033	37,956	80	284,700	11
Vt.	1,945 ⁶	7,024 ⁶	277	108,500	18
Va.	26,829	71,532	375	1,211,400	22
Wash.	26,939	57,237 ⁶	471	840,400	32
W. Va.	2,147 ⁵	30,111 ⁶	71	396,700	5
Wis.	15,586	68,607 ⁶	227	1,032,600	15
Wyo.	500	8,278	60	91,000	5
Total	1,079,430	3,318,228	325	48,517,800	22

¹ Abortion and resident live birth data from central health agency unless otherwise noted.
² Abortions per 1,000 live births.
³ Estimated by Family Planning Evaluation Division, CDC, based on data from Current Population Reports, Series P-20, No. 334, and Series P-25, No. 794.
⁴ Abortions per 1,000 females aged 15-44.
⁵ Reported from hospitals and/or facilities in state.
⁶ Data from Vital Statistics Division, National Center for Health Statistics.
⁷ Abortion and occurrence-live-birth data from new York City Health Department.
⁸ Occurrence-live-birth data from central health agency.
^{*} Greater than 1,000 abortions per 1,000 live births.

ABORTION

ABORTION — Reported Legal Abortions by Age and State of Occurrence, Selected States,* 1977

State	<15		15-19		20-24		25-29		30-34		35-39		≥40		Unknown		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Alaska	8	0.7	316	29.4	386	35.9	234	21.8	84	7.8	31	2.9	7	0.7	8	0.7	1,074	100.0
Ariz.	64	1.0	1,904	31.1	2,191	35.7	1,066	17.4	415	6.8	182	3.0	63	1.0	245	4.0	6,130	100.0
Ark.	60	2.2	1,071	39.3	3,000	40.8	1,068	15.0	212	7.8	113	4.1	43	1.6	0	0.0	7,726	100.0
Calif.	138	1.1	4,082	31.6	4,636	35.9	2,397	18.6	1,005	7.8	432	3.3	160	1.2	63	0.5	12,913	100.0
Conn.	156	1.0	4,593	30.6	5,176	34.5	2,540	16.9	1,348	9.0	662	4.4	272	1.8	250	1.7	14,997	100.0
D. C.	453	1.5	7,185	24.3	10,134	34.3	6,944	23.5	3,027	10.2	1,413	4.8	367	1.2	22	0.1	29,545	100.0
Ga.	466	1.6	9,117	30.5	10,271	34.3	5,656	18.9	2,618	8.8	1,186	4.0	406	1.4	185	0.6	29,905	100.0
Hawaii	48	0.9	1,165	22.2	1,843	35.1	1,135	21.6	608	11.6	293	5.6	147	2.8	10	0.2	5,249	100.0
Idaho ¹	18	1.7	356	33.6	347	32.7	195	18.4	79	7.5	39	3.7	20	1.9	6	0.6	1,060	100.0
Ill.	455	0.6	17,429	24.4	24,574	34.5	13,755	19.3	7,264	10.2	3,776	5.3	1,554	2.2	2,519	3.5	71,326	100.0
Ind.	125	1.3	3,208	33.7	3,209	33.8	1,613	17.0	765	8.0	411	4.3	164	1.7	13	0.1	9,508	100.0
Kans.	135	1.8	2,893	39.0	2,294	30.9	1,115	15.0	543	7.3	297	4.0	113	1.5	23	0.3	7,413	100.0
Ky. ²	188	1.8	3,537	34.0	3,813	36.7	1,685	16.2	634	6.1	396	3.8	135	1.3	4	0.0	10,392	100.0
La.	129	1.5	2,558	29.6	2,983	34.5	1,701	19.7	776	9.0	361	4.2	106	1.2	30	0.3	8,644	100.0
Md.	401	1.8	8,061	36.2	7,283	32.7	3,717	16.7	1,690	7.6	809	3.6	280	1.3	0	0.0	22,241	100.0
Mass.	137	0.9	5,860	37.7	5,367	34.6	2,247	14.5	1,023	6.6	489	3.1	240	1.5	169	1.1	15,532	100.0
Miss.	63	2.6	821	33.6	817	33.4	415	17.0	195	8.0	97	4.0	37	1.5	1	0.0	2,446	100.0
Mo.	206	1.5	4,086	30.2	4,607	34.0	2,334	17.2	1,193	8.8	656	4.8	290	2.1	160	1.2	13,532	100.0
Mont.	19	0.7	862	34.0	926	36.5	435	17.1	288	6.5	157	3.5	37	1.5	0	0.0	2,539	100.0
Nebr.	54	1.2	1,840	40.6	1,532	33.8	605	13.3	268	5.9	170	4.0	41	1.0	60	1.4	4,297	100.0
Nev.	41	1.0	1,296	30.2	1,513	35.2	81	19.0	361	8.4	170	4.0	23	1.3	3	0.2	1,735	100.0
N. H.	18	1.0	649	37.4	586	33.8	258	14.9	112	6.5	50	2.9	23	1.3	22	1.2	1,735	100.0
N. M. ¹	40	0.9	1,430	31.3	1,568	34.3	824	18.0	410	9.0	191	4.2	77	1.7	28	0.6	4,568	100.0
N. Y.	1,465	1.0	35,176	23.8	48,082	32.6	31,189	21.1	18,336	12.4	9,437	6.4	3,206	2.2	756	0.5	147,647	100.0
(City)	(965)	(0.9)	(21,183)	(20.7)	(33,071)	(32.5)	(23,645)	(23.1)	(13,775)	(13.4)	(6,308)	(6.7)	(2,129)	(2.1)	(567)	(0.5)	(102,459)	(100.0)
(Upstate)	(500)	(1.1)	(13,993)	(31.0)	(14,775)	(32.7)	(7,544)	(16.7)	(4,561)	(10.1)	(2,529)	(5.6)	(1,077)	(2.4)	(209)	(0.5)	(45,188)	(100.0)
N. C.	406	1.6	8,375	33.5	8,266	33.1	4,301	17.2	2,054	8.2	997	4.0	337	1.5	224	0.9	25,020	100.0
Ohio	341	0.7	13,068	27.4	17,460	36.6	8,449	17.7	3,918	8.2	2,076	4.4	937	2.0	1,466	3.1	47,715	100.0
Oreg.	146	1.1	4,501	34.2	4,544	34.5	2,378	18.1	983	7.5	426	3.2	160	1.2	25	0.2	13,163	100.0
Pa.	791	1.4	18,814	32.5	20,256	35.0	9,769	16.9	4,792	8.3	2,476	4.3	895	1.5	87	0.2	57,880	100.0
R. I.	30	0.7	1,111	27.1	1,491	36.3	769	18.7	409	10.0	198	4.8	78	1.9	20	0.5	4,106	100.0
S. C.	120	1.4	3,097	35.2	3,102	35.3	1,402	15.9	635	7.2	317	3.6	106	1.2	20	0.2	8,799	100.0
S. Dak.	14	1.0	572	41.3	409	29.6	176	12.7	79	5.7	45	3.3	13	1.4	70	5.1	1,384	100.0
Tenn.	259	1.6	5,596	34.0	5,758	35.0	2,688	16.3	1,282	7.8	596	3.6	221	1.3	63	0.4	16,463	100.0
Utah	29	1.0	884	29.1	1,065	35.1	553	18.2	265	8.9	124 ³	4.1	48	1.6	61	2.0	3,033	100.0
Vt.	12	0.6	574	29.5	775	39.8	351	18.0	149	7.7	59	3.0	25	1.3	0	0.0	1,945	100.0
Va.	477	1.8	9,104	33.9	9,184	34.2	4,340	16.2	2,188	8.2	1,095	4.1	457	1.5	34	0.1	26,829	100.0
Wash.	302	1.1	9,428	35.0	9,070	33.7	4,559	16.9	2,194	8.1	1,002	3.7	307	1.3	27	0.1	26,939	100.0
Wyo. ¹	5	1.0	170	34.0	191	38.2	69	13.8	104	8.0	16	3.2	7	1.4	2	0.4	500	100.0
Total	7,819	1.2	194,789	29.3	226,548	34.1	123,087	18.5	62,123	9.4	31,170	4.7	11,502	1.7	6,691	1.0	663,729	100.0

* All states with data available (37).

¹ Distribution of data from state health department, partial year reporting, applied to total abortions reported.

² Distribution of data from hospitals and/or facilities reporting approximately 47% of total abortions reported.

ABORTION—Death-to-Case Rate* for Legal Abortions by Type of Procedure and Weeks of Gestation, United States, 1972-1977

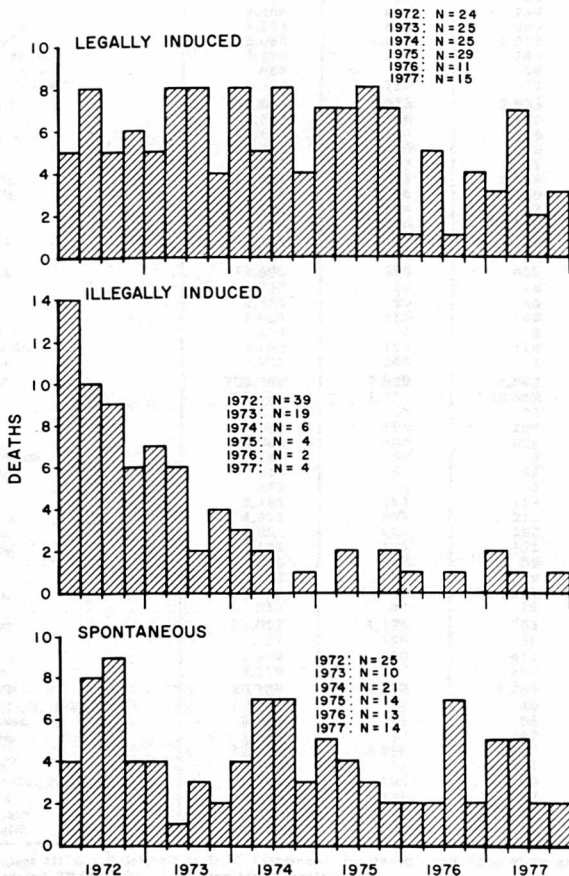
Type of Procedure	Weeks of Gestation						Total
	≤8	9-10	11-12	13-15	16-20	≥21	
Curettage	0.5	1.6	2.9	6.7	12.9	16.7	1.2
Dilatation and evacuation	0.0	0.0	0.0	9.6	15.4	24.7	8.3
Instillation	0.0	0.0	0.0	2.5	19.3	20.6	15.5
Saline	0.0	0.0	0.0	32.6	6.1	40.5	10.8
Prostaglandin and other agents ¹	0.0	58.8	39.7	70.8	47.8	157.5	45.3
Hysterotomy/Hysterectomy	0.5	1.7	3.0	9.9	16.3	27.9	2.6
Total ²							

¹ Denominators for rates include abortions reported as type of procedure "other" (1% of all abortions with procedure known).

² Includes deaths with type of procedure "other" (4) and unknown (2).

*Deaths per 100,000 abortions; based on distributions of abortions with type of procedure and weeks of gestation known.

ABORTION – Abortion-Related Deaths by Category* and Quarter, United States, 1972–1977

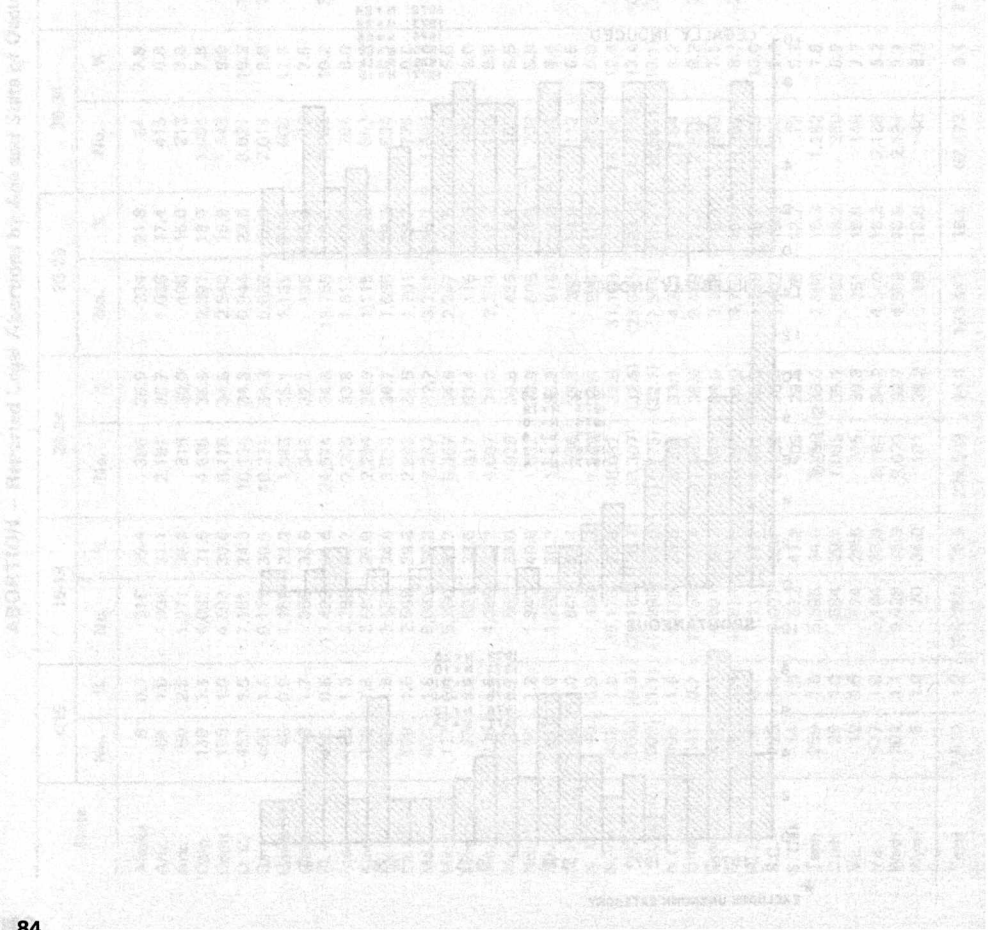


* EXCLUDES UNKNOWN CATEGORY.

LEAD POISONING

In calendar year 1978, 64 community-based programs identified 26,734 children with lead toxicity among 410,211 who were screened. A positive test was defined as an erythrocyte protoporphyrin (EP) $\geq 50 \mu\text{g/dl}$ in association with a blood lead $\geq 30 \mu\text{g/dl}$. Using the number of children reported with lead toxicity by these programs as the numerator and the entire U.S. population between 1 and 5 years of age as the denominator, the age-specific prevalence rate of lead toxicity in the United States is 175/100,000. This clearly underestimates the extent of the problem. There is a seasonal fluctuation of lead toxicity, the causes of which are unknown. This fluctuation occurs within all risk categories; however, the children at greatest risk show the least change. The EP test also identifies children with iron deficiency. The increasing use of this test in screening programs for lead toxicity has resulted in a parallel increase in the identification of iron deficiency. Children who are iron deficient tend to absorb more lead. Lead toxicity alone can result in anemia.

Environmental investigations indicate that lead-based paint is the most common high-dose lead source for children identified with lead toxicity.



LEAD POISONING — Results of Screening in Childhood Lead-Based Paint Poisoning Prevention Projects, United States, October 1977—September 1978

Programs	NUMBER OF CHILDREN			
	Screened	With Confirmed Undue Lead Absorption ¹		
		TOTAL	Class II	Classes III & IV
United States	398,701	25,850	17,475	8,375
HEW REGION I	50,292	3,310	2,533	777
Bridgeport, Conn.	708	28	15	13
Waterbury, Conn.	3,013	211	138	73
Augusta, Maine	1,035	57	34	23
Portland, Maine ²	392	6	4	2
Boston, Mass.	28,069	1,941	1,592	349
Chelsea, Mass.	738	22	18	4
Fall River, Mass.	1,804	101	76	25
Lawrence, Mass.	3,695	249	181	68
Lynn, Mass.	2,933	124	91	33
Worcester, Mass.	3,535	177	134	43
Rhode Island State	4,370	394	250	144
HEW REGION II	108,171	6,376	4,412	1,964
Camden, N. J.	2,430	217	159	58
Hoboken, N. J.	31	8	5	3
Jersey City, N. J.	1,568	265	182	83
Newark, N. J.	4,989	885	544	341
Paterson, N. J.	2,137	378	259	119
Plainfield, N. J.	1,147	119	85	34
Erie Co., N. Y.	2,356	329	239	90
Monroe Co., N. Y.	4,359	464	385	79
New York City ³	82,089	3,295	2,275	1,020
Onondaga Co., N. Y.	3,829	215	146	69
Rensselaer Co., N. Y.	886	91	56	35
Westchester Co., N. Y.	2,350	110	77	33
HEW REGION III	58,650	3,973	2,623	1,350
Delaware State	3,829	256	160	96
Washington, D. C.	12,800	344	230	114
Baltimore, Md.	12,319	436	262	174
Chester, Pa.	3,222	117	75	42
Philadelphia, Pa.	11,684	2,085	1,414	671
Wilkes-Barre, Pa.	1,650	96	70	26
York, Pa.	680	124	67	57
Norfolk, Va.	4,963	220	142	78
Portsmouth, Va.	566	73	31	42
Richmond, Va.	6,937	222	172	50
HEW REGION IV	18,695	636	466	170
Mobile, Ala.	783	25	18	7
Augusta, Ga.	3,018	90	65	25
Louisville, Ky.	5,664	215	140	75
Wilmington, N. C.	539	8	6	2
South Carolina State	3,760	150	119	31
Memphis, Tenn.	4,931	148	118	30
HEW REGION V	103,740	7,529	4,842	2,687
Chicago, Ill.	53,380	4,316	2,562	1,754
Peoria, Ill.	1,434	31	23	8
Rockford, Ill.	2,123	185	126	59
Detroit, Mich.	16,008	830	586	244
Grand Rapids, Mich.	190	30	18	12
Wayne Co., Mich.	659	67	43	24
St. Paul, Minn. ²	673	5	2	3
Akron, Ohio	3,483	254	225	29
Cincinnati, Ohio	4,311	297	216	81
Cleveland, Ohio	12,091	814	563	251
Columbus, Ohio	5,465	143	125	18
Toledo, Ohio ²	506	57	55	2
Kenosha, Wis.	462	15	9	6
Milwaukee, Wis.	2,042	444	273	171
Racine, Wis.	913	41	16	25
HEW REGION VI	25,027	1,125	761	364
Arkansas State	4,121	159	96	63
New Orleans, La.	12,088	619	413	206
Houston, Texas	8,818	347	252	95
HEW REGION VII	26,108	2,713	1,731	982
Davenport-Scott Co., Iowa	3,151	79	49	30
Kansas City, Kans.	6,086	91	63	28
Kansas City, Mo.	1,853	33	27	6
St. Louis, Mo.	12,150	2,396	1,517	879
Springfield, Mo. ²	549	11	6	5
Omaha-Douglas Co., Nebr.	2,319	103	69	34
HEW REGION IX	8,018	188	107	81
Alameda Co., Calif.	2,059	92	66	26
Los Angeles, Calif.	5,959	96	41	55

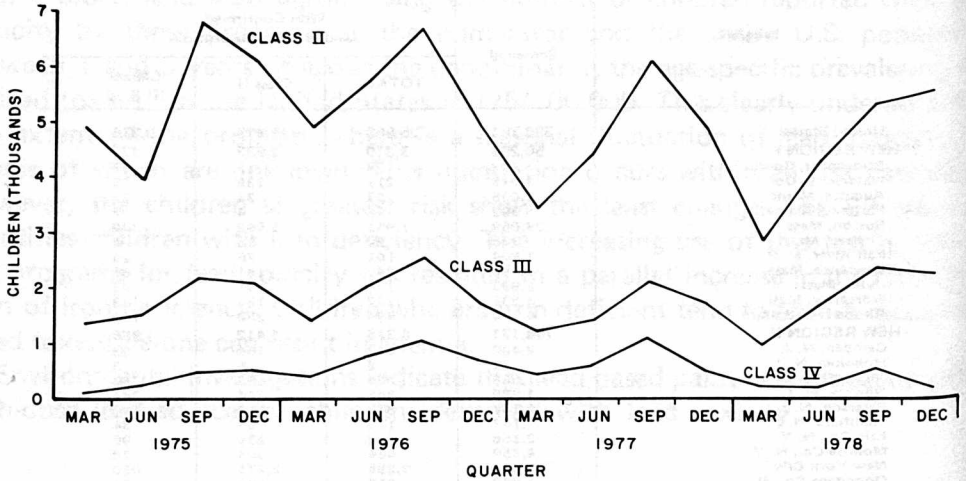
¹Class II and Classes III & IV defined in CDC Statement, Increased Lead Absorption and Lead Poisoning in Young Children, March 1975. Class IV children are at greatest risk.

²Former grant supported programs.

³Estimated.

LEAD POISONING

LEAD POISONING – Number of Children with Undue Lead Absorption by Risk Classification Identified in Childhood Lead-Based Paint Poisoning Prevention Projects by Quarter, 1975–1978



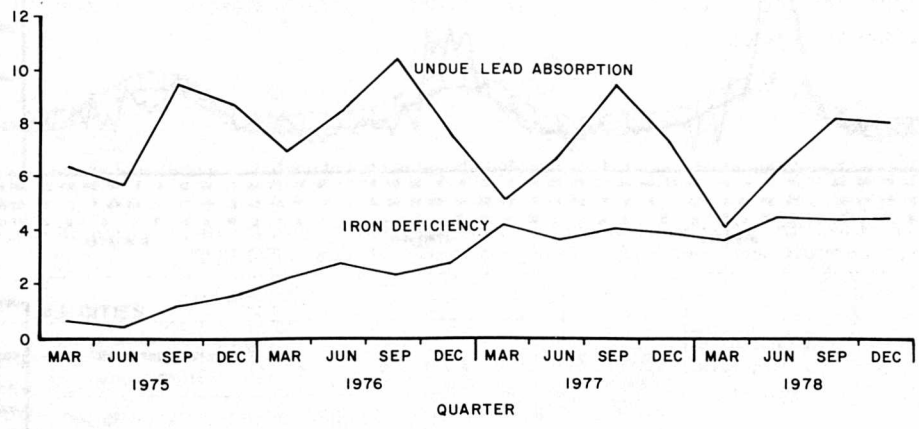
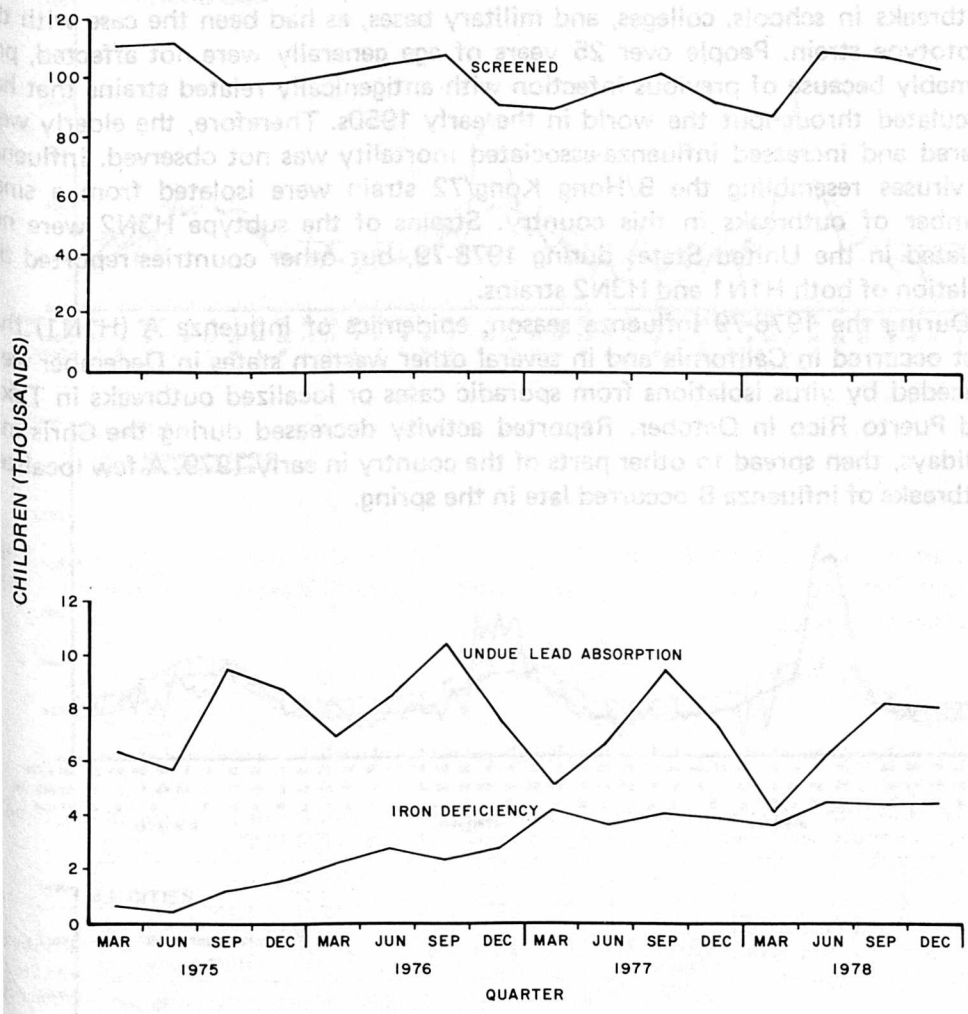
Class II and Classes III and IV defined in CDC Statement, Increased Lead Absorption and Lead Poisoning in Young Children, March 1975. Class IV children are at greatest risk.

LEAD POISONING—Number of Children Screened and Found to Have Undue Lead Absorption in Childhood Lead-Based Paint Poisoning Prevention Projects, United States, 1972-1978

Calendar Year	Estimated U.S. Population Ages 1-5	Number of Projects	CHILDREN				
			Screened		With Undue Lead Absorption		Identified with Iron Deficiency
			Number	Rate/100,000	Number	Rate/100,000	
1972	17,161,000	37	119,960	699	9,044	53	NA
1973	16,999,000	42	296,879	1,746	19,059	112	NA
1974	16,690,000	77	449,318	2,692	24,443	146	NA
1975	16,294,000	77	421,338	2,586	30,343	186	4,062
1976	15,881,000	66	406,413	2,559	33,043	208	10,103
1977	15,339,000	65	381,201	2,485	28,072	183	15,896
1978	15,236,000	64	410,211	2,692	26,734	175	17,069
TOTAL			2,485,320		170,738		47,130

LEAD POISONING – Number of Children Screened and Found with Undue Lead Absorption and Iron Deficiency in Childhood Lead-Based Paint Poisoning Prevention Projects by Quarter, 1975–1978

The predominant influenza strain in the United States during 1978-79 was A/Brazil/78, a variant of the H1N1 prototype A/USSR/77. This strain caused outbreaks in schools, colleges, and military bases, as had been the case in previous years. People over 25 years of age generally were not affected, probably because of prior infection with antigenically related strains that circulated throughout the world in the early 1950s. Therefore, the elderly were spared and increased influenza-associated mortality was not observed. Influenza viruses resembling the 8 Hong Kong/72 strain were isolated from a number of outbreaks in this country. Strains of the subtype H3N2 were isolated in the United States during 1978-79, but other countries reported isolation of both H1N1 and H3N2 strains. During the 1978-79 influenza season, epidemics of influenza A (H1N1) first occurred in California and in several other western states in October and Puerto Rico in October. Reported activity decreased during the holidays, then spread to other parts of the country in early 1979. A few local outbreaks of influenza B occurred late in the spring.



Pneumonia-Influenza

The predominant influenza strain in the United States during 1978-79 was A/Brazil/78, a variant of the H1N1 prototype A/USSR/77. This strain caused outbreaks in schools, colleges, and military bases, as had been the case with the prototype strain. People over 25 years of age generally were not affected, presumably because of previous infection with antigenically related strains that had circulated throughout the world in the early 1950s. Therefore, the elderly were spared and increased influenza-associated mortality was not observed. Influenza B viruses resembling the B/Hong Kong/72 strain were isolated from a small number of outbreaks in this country. Strains of the subtype H3N2 were not isolated in the United States during 1978-79, but other countries reported the isolation of both H1N1 and H3N2 strains.

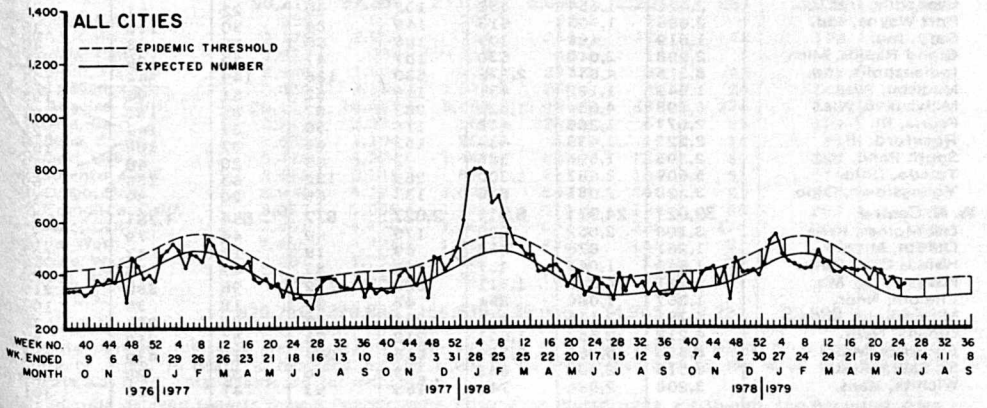
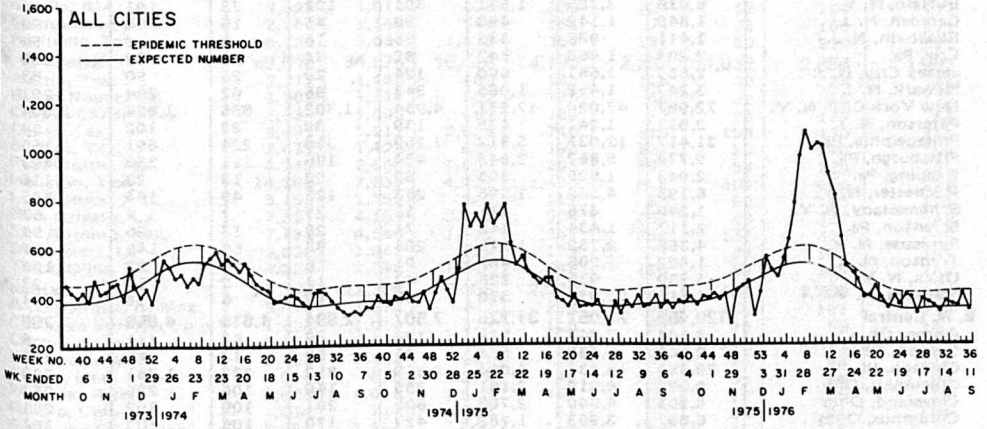
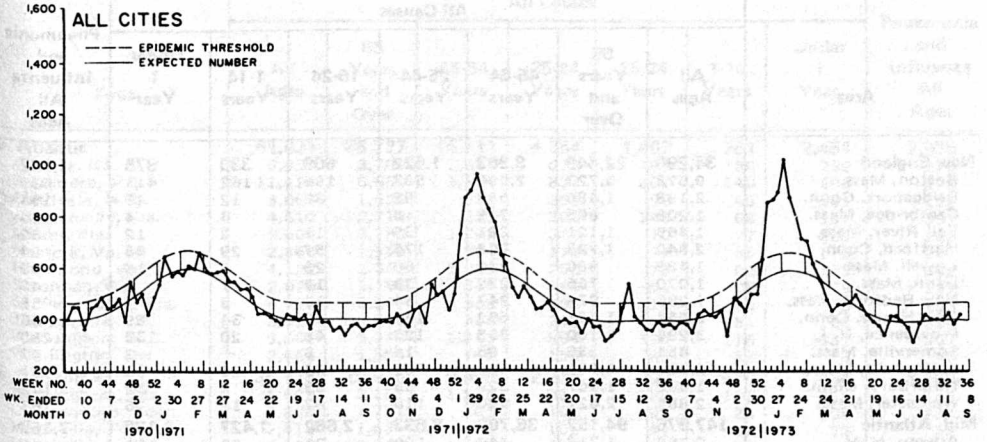
During the 1978-79 influenza season, epidemics of influenza A (H1N1) that first occurred in California and in several other western states in December were preceded by virus isolations from sporadic cases or localized outbreaks in Texas and Puerto Rico in October. Reported activity decreased during the Christmas holidays, then spread to other parts of the country in early 1979. A few localized outbreaks of influenza B occurred late in the spring.

Class II and Classes III and IV defined in CDC Statement, Increased Absorption and Lead Poisoning in Young Children, March 1975. Class IV iron are at greatest risk.

LEAD POISONING - Number of Children Served (1972-1979) - How Great Lead Absorption - Lead-based Paint Poisoning Prevention Project, United States, 1972-1979

Calendar Year	U.S. Population Ages 1-5	Children Served (Millions)	Number		Rate/100,000	
			Number	Rate/100,000	Number	Rate/100,000
1972	17,151,000	57	11,450	66	6,054	35
1973	18,025,000	41	292,379	162	16,029	127
1974	18,850,000	37	442,145	234	24,449	130
1975	19,704,000	27	421,018	214	20,845	105
1976	20,581,000	26	405,415	197	19,741	96
1977	21,339,000	25	381,371	178	18,075	88
1978	22,150,000	24	310,221	140	14,454	65
TOTAL			1,984,329		176,728	

PNEUMONIA-INFLUENZA — Reported Deaths in 121* Selected Cities by Week, United States, September 1970— June 1979



*117 Cities, September 1978—June 1979.

PNEUMONIA—INFLUENZA

PNEUMONIA-INFLUENZA — Reported Deaths in 121 Selected Cities,* Compared with Deaths from All Causes, United States, 1978 (Through 52nd Week, Ending December 30, 1978)

Area	All Causes							Pneumonia and Influenza All Ages
	All Ages	65 Years and Over	45-64 Years	25-44 Years	15-24 Years	1-14 Years	Under 1 Year	
New England	34,290	22,449	8,303	1,622	608	333	975	1,962
Boston, Mass.	9,678	5,723	2,599	587	196	162	411	531
Bridgeport, Conn.	2,198	1,480	533	92	32	12	49	153
Cambridge, Mass.	1,208	898	249	48	5	4	4	124
Fall River, Mass.	1,469	1,121	281	35	17	3	12	32
Hartford, Conn.	2,840	1,723	768	175	57	29	88	94
Lowell, Mass.	1,423	980	339	60	23	5	16	99
Lynn, Mass.	1,070	765	239	33	19	7	7	42
New Bedford, Mass.	1,286	974	247	34	16	8	7	58
New Haven, Conn.	2,553	1,631	602	151	46	34	89	56
Providence, R. I.	3,296	2,100	868	123	49	20	136	288
Somerville, Mass.	451	335	96	14	5	—	1	27
Springfield, Mass.	2,334	1,531	566	101	43	25	68	153
Waterbury, Conn.	1,600	1,167	326	53	33	9	12	142
Worcester, Mass.	2,884	2,021	590	116	67	15	75	163
Mid. Atlantic	147,976	94,157	36,769	8,833	2,662	1,427	4,128	7,162
Albany, N. Y.	2,752	1,718	640	120	71	50	153	57
Allentown, Pa.	1,154	722	324	87	17	2	2	29
Buffalo, N. Y.	6,016	3,788	1,561	301	102	73	191	455
Camden, N. J.	1,840	1,142	498	90	45	15	50	99
Elizabeth, N. J.	1,411	983	332	65	14	8	9	54
Erie, Pa.	2,203	1,463	542	82	34	20	62	159
Jersey City, N. J.	2,639	1,681	690	124	29	25	90	53
Newark, N. J.	3,247	1,458	1,085	343	95	62	204	201
New York City, N. Y.	72,987	47,020	17,231	4,954	1,302	656	1,824	3,004
Paterson, N. J.	2,013	1,241	479	139	30	22	102	154
Philadelphia, Pa.	21,417	12,935	5,917	1,260	390	224	691	1,155
Pittsburgh, Pa.	9,774	5,867	2,843	434	186	111	333	493
Reading, Pa.	2,043	1,525	398	62	22	13	23	116
Rochester, N. Y.	6,195	4,306	1,298	253	125	49	164	505
Schenectady, N. Y.	1,240	876	275	53	25	7	4	53
Scranton, Pa.	2,117	1,434	542	74	28	13	26	99
Syracuse, N. Y.	4,366	2,782	1,076	206	98	59	145	117
Trenton, N. J.	1,822	1,206	482	81	16	10	27	152
Utica, N. Y.	1,230	935	226	43	14	2	10	93
Yonkers, N. Y.	1,510	1,075	330	62	19	6	18	114
E. N. Central	120,458	72,057	31,725	7,507	2,894	1,616	4,659	3,766
Akron, Ohio	3,504	2,248	839	179	62	42	134	8
Canton, Ohio	2,209	1,438	563	91	59	13	45	106
Chicago, Ill.	29,385	16,531	8,064	2,319	812	408	1,251	728
Cincinnati, Ohio	8,009	4,919	2,161	385	140	106	298	254
Cleveland, Ohio	8,953	4,940	2,706	605	201	109	392	201
Columbus, Ohio	6,697	3,903	1,782	427	170	106	309	304
Dayton, Ohio	5,306	3,221	1,472	265	119	55	174	136
Detroit, Mich.	14,573	8,249	4,054	1,099	380	188	603	331
Evansville, Ind.	2,421	1,654	552	102	40	22	51	135
Fort Wayne, Ind.	2,688	1,706	613	145	84	30	110	135
Gary, Ind.	1,019	488	305	106	66	16	38	40
Grand Rapids, Mich.	2,998	2,040	639	107	47	39	126	251
Indianapolis, Ind.	8,315	4,834	2,272	530	186	149	344	128
Madison, Wis.	1,949	1,192	431	119	62	51	94	195
Milwaukee, Wis.	6,898	4,654	1,629	282	97	85	151	181
Peoria, Ill.	2,077	1,260	468	118	50	37	144	228
Rockford, Ill.	2,227	1,436	454	133	59	37	108	152
South Bend, Ind.	2,393	1,596	585	93	59	20	40	149
Toledo, Ohio	5,609	3,667	1,300	269	132	83	158	69
Youngstown, Ohio	3,228	2,081	836	133	69	20	89	35
W. N. Central	39,021	24,971	8,811	2,027	877	554	1,781	1,532
Des Moines, Iowa	3,100	2,052	690	175	60	44	79	74
Duluth, Minn.	1,261	876	260	49	19	10	47	127
Kansas City, Kans.	1,843	1,043	457	125	83	47	88	63
Kansas City, Mo.	6,711	4,243	1,511	329	152	96	380	219
Lincoln, Nebr.	1,567	1,086	354	48	27	18	34	107
Minneapolis, Minn.	4,791	3,116	956	261	85	86	287	170
Omaha, Nebr.	4,212	2,653	1,001	212	78	56	212	87
St. Louis, Mo.	8,813	5,369	2,159	515	224	116	430	274
St. Paul, Minn.	3,515	2,497	681	148	56	34	99	110
Wichita, Kans.	3,208	2,036	742	165	93	47	125	301

PNEUMONIA—INFLUENZA

PNEUMONIA-INFLUENZA — Reported Deaths in 121 Selected Cities,* Compared with Deaths from All Causes, United States, 1978 (Through 52nd Week, Ending December 30, 1978) - continued

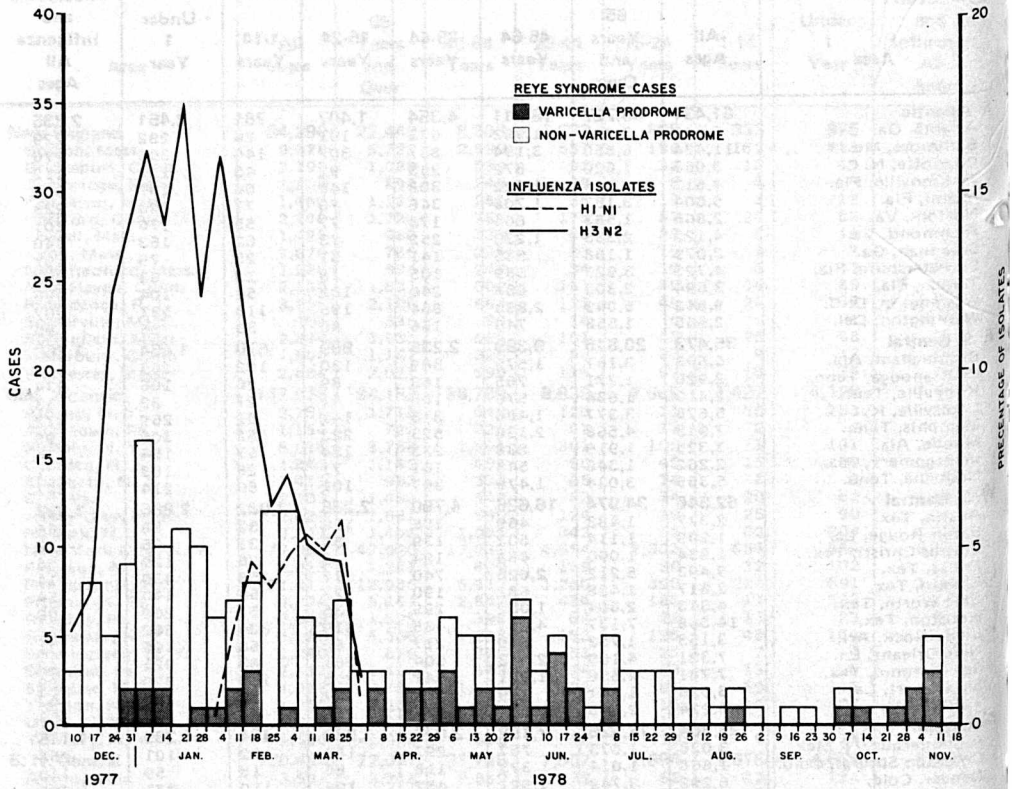
Area	All Causes							Pneumonia and Influenza All Ages
	All Ages	65 Years and Over	45-64 Years	25-44 Years	15-24 Years	1-14 Years	Under 1 Year	
S. Atlantic	61,431	35,727	16,711	4,354	1,407	781	2,451	2,835
Atlanta, Ga.	6,933	3,709	1,982	673	191	86	292	229
Baltimore, Md.	11,424	6,550	3,194	837	307	140	396	276
Charlotte, N. C.	3,063	1,620	872	253	92	45	181	112
Jacksonville, Fla.	4,612	2,714	1,222	308	145	66	157	301
Miami, Fla.	5,604	3,183	1,705	346	70	77	223	228
Norfolk, Va.	2,868	1,583	804	173	77	55	176	201
Richmond, Va.	4,122	2,333	1,239	252	73	62	163	340
Savannah, Ga.	2,079	1,198	585	141	51	25	79	197
St. Petersburg, Fla.	4,725	3,927	589	105	18	23	63	253
Tampa, Fla.	3,694	2,303	888	246	102	51	104	296
Washington, D. C.	9,642	5,049	2,885	864	195	118	531	307
Wilmington, Del.	2,665	1,558	746	156	86	33	86	95
E. S. Central	35,473	20,816	9,399	2,235	999	570	1,454	1,768
Birmingham, Ala.	5,608	3,167	1,575	369	130	102	265	143
Chattanooga, Tenn.	2,920	1,771	765	163	89	26	106	234
Knoxville, Tenn.	2,410	1,634	570	106	41	27	32	53
Louisville, Ky.	5,678	3,377	1,486	313	141	92	269	472
Memphis, Tenn.	7,915	4,568	2,138	523	222	158	306	198
Mobile, Ala.	3,325	1,919	838	233	124	57	154	174
Montgomery, Ala.	2,262	1,346	548	161	71	28	108	171
Nashville, Tenn.	5,355	3,034	1,479	367	181	80	214	323
W. S. Central	62,546	34,974	16,629	4,790	2,238	1,032	2,886	1,992
Austin, Tex.	2,377	1,483	469	188	116	33	88	164
Baton Rouge, La.	1,909	1,114	502	139	56	32	66	122
Corpus Christi, Tex.	1,934	1,090	488	124	75	28	129	58
Dallas, Tex.	9,493	5,212	2,626	740	318	158	439	214
El Paso, Tex.	2,617	1,428	682	190	127	50	140	154
Fort Worth, Tex.	4,343	2,604	1,052	295	135	57	200	109
Houston, Tex.	14,368	7,137	4,211	1,435	619	304	662	229
Little Rock, Ark.	3,153	1,752	849	217	80	60	195	171
New Orleans, La.	7,321	4,109	2,043	504	261	83	321	42
San Antonio, Tex.	7,781	4,556	1,971	541	258	135	320	209
Shreveport, La.	3,026	1,841	729	169	77	28	182	167
Tulsa, Okla.	4,224	2,648	1,004	248	116	64	144	353
Mountain	29,304	17,326	7,158	2,079	1,068	434	1,239	1,115
Albuquerque, N. Mex.	3,036	1,673	767	297	146	52	101	258
Colorado Springs, Colo.	1,668	1,014	373	118	86	18	59	140
Denver, Colo.	6,292	3,742	1,521	452	196	110	271	205
Las Vegas, Nev.	2,869	1,358	987	262	31	16	83	118
Ogden, Utah	1,018	670	207	46	226	89	48	94
Phoenix, Ariz.	6,678	4,018	1,563	467	29	12	315	119
Pueblo, Colo.	1,044	717	213	51	79	50	22	104
Salt Lake City, Utah	2,683	1,568	606	162	138	45	218	60
Tucson, Ariz.	4,016	2,566	921	224	137	42	122	17
Pacific	90,217	57,366	21,028	5,609	2,204	984	3,026	2,652
Berkeley, Calif.	925	616	205	69	15	—	20	22
Fresno, Calif.	3,375	2,050	714	240	124	48	199	152
Glendale, Calif.	1,277	989	218	42	13	2	13	34
Honolulu, Hawaii	2,956	1,664	774	237	91	43	147	29
Long Beach, Calif.	5,034	3,154	1,371	240	87	34	148	146
Los Angeles, Calif.	26,117	16,855	5,895	1,691	687	234	755	844
Oakland, Calif.	3,713	2,336	863	263	67	55	129	81
Pasadena, Calif.	1,635	1,194	284	63	19	14	61	20
Portland, Oreg.	6,476	4,274	1,441	297	122	81	261	122
Sacramento, Calif.	3,513	2,149	875	217	102	51	119	97
San Diego, Calif.	6,930	4,173	1,677	509	240	91	240	133
San Francisco, Calif.	8,057	5,086	1,927	571	154	66	253	108
San Jose, Calif.	7,901	4,896	1,864	553	226	114	248	260
Seattle, Wash.	7,485	4,738	1,831	423	158	92	243	290
Spokane, Wash.	2,661	1,745	623	89	53	32	119	214
Tacoma, Wash.	2,162	1,447	466	105	46	27	71	100
Total	620,716	379,843	156,530	39,056	14,957	7,731	22,599	24,784

*Mortality data in this table are voluntarily reported from 121 cities, 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.

Totals include delayed reports from 4 Pennsylvania cities—Erie, Philadelphia, Pittsburgh, and Scranton. Also, the increased number of deaths reported by Las Vegas, Nevada, and San Jose, California, reflect changes from city to county jurisdictions.

REYE SYNDROME

REYE SYNDROME — Reported Cases and Percentage of Influenza A Virus Isolates from Respiratory Specimens by Week of Isolation, United States, December 3, 1977–November 18, 1978



In the 1977-78 period, the majority of cases of Reye syndrome occurred between December and March, when epidemic respiratory diseases are usually seen in children. Using data collected through 59 WHO collaborating laboratories as a measure of influenza activity, a temporal association is seen between the occurrence of Reye syndrome and the reporting of both the H3N2 and H1N1 influenza viruses. However, this association is not clear-cut; Reye syndrome cases dropped in frequency before a decrease in isolations of influenza A, and clusters of Reye syndrome cases were not reported in association with local outbreaks of influenza A. This is in contrast to the patterns in 1973-74 and 1976-77, when the epidemic curve for Reye syndrome cases more closely paralleled reported isolations of influenza B nationally, and outbreaks which were temporally and geographically associated with influenza B were reported in several states.

INDEX

A

- Abortions, legal 79, 81, 82, 83
- Actinomycosis 78, 79
- Amebiasis 3, 4, 5, 6, 8
- Anthrax 3, 4, 5, 6, 8, 17
- Arboviruses (see Encephalitis)
- Aseptic meningitis 3, 4, 6, 8, 17, 18, 19
- Aspergillosis 79

B

- Bacterial meningitis 77
- Blastomycosis 78, 79
- Botulism
 - Foodborne 3, 4, 5, 6, 8, 19
 - Infant 3, 4, 6, 8, 20
 - Unspecified 8, 79
- Bronchitis, acute 79
- Brucellosis 3, 4, 5, 6, 8, 21

C

- Chancroid 3, 4, 8
- Chickenpox 3, 4, 5, 6, 9, 22
- Childbirth, sepsis of 79
- Cholera 3, 4, 6, 7, 9, 22
- Coccidioidomycosis 78, 79
- Colorado tick fever 78
- Cryptococcosis 78, 79

D

- Deaths
 - Abortions, legal 79, 83
 - All causes, 121 cities 88, 89, 90
 - Non-notifiable acute diseases 79
 - Specified notifiable diseases 5
- Diabetes mellitus 79
- Diphtheria 3, 4, 5, 6, 7, 9, 23

E

- Encephalitis
 - Arthropod-borne 24, 25
 - Enteroviral 24, 25
 - Herpes simplex 24
 - Indeterminate 3, 4, 9, 25
 - Post childhood infections 3, 4, 9, 24, 25
 - Primary, infectious 3, 4, 5, 9, 24, 25

F

- Fungal infections 78, 79
- German measles (see Rubella)
- Giardiasis 77, 79
- Gonorrhea 3, 4, 5, 7, 9, 26, 27, 28
- Granuloma inguinale 3, 4, 5, 9

H

- Hepatitis
 - A (infectious) 3, 4, 5, 6, 7, 10, 29, 30, 31
 - B (serum) 3, 4, 6, 7, 10, 29, 32, 33
 - Unspecified 3, 4, 6, 7, 10, 29, 34, 35
- Herpes simplex 24
- Herpes zoster 79
- Histoplasmosis 77, 79
- Historical development (see Surveillance)
- Hydatid disease 79

I

- Influenza 79, 88, 89, 90, 91

L

- Lead poisoning (childhood) 84, 85, 86, 87
- Legionnaires' disease 3, 4, 6, 10, 36
- Leprosy 3, 4, 5, 6, 10, 36
- Leptospirosis 3, 4, 5, 6, 10, 37
- Lymphogranuloma venereum 3, 4, 5, 10

M

- Malaria 3, 4, 5, 6, 10, 37
- Measles 3, 4, 5, 6, 7, 11, 38, 39, 40, 41
- Meningitis 77, 79
- Meningococcal infections 3, 4, 5, 6, 7, 11, 42, 43, 44
- Moniliasis 79
- Mononucleosis, infectious 77, 79
- Mumps 3, 4, 5, 6, 7, 11, 45, 46, 47

N

- Nocardiosis 78, 79

P

- Pertussis 3, 4, 5, 6, 7, 11, 47, 48

INDEX – Continued

P—continued

Plague 3, 4, 5, 6, 7, 11, 49
Pneumonia 79, 88, 89, 90, 91
Poliomyelitis 3, 4, 5, 6, 7, 11, 50, 51
Population estimates vii, 3, 8
Psittacosis 3, 4, 5, 6, 11

Q

Q fever 78
Quarantinable diseases v, 3, 4, 5, 6, 7, 9,
11, 22, 49

R

Rabies
in animals 3, 12, 52, 53
in man 3, 4, 5, 6, 12, 53
Renal disease 79
Respiratory infections 79, 88, 89, 90, 91
Reye syndrome 77, 79, 92
Rheumatic fever 3, 4, 5, 6, 12
Rheumatoid arthritis 79
Rocky Mountain spotted fever
(see Typhus fever, tick-borne)
Rubella 3, 4, 5, 6, 7, 12, 54, 55, 56, 57
Rubella congenital syndrome 3, 4, 6, 12
Rubeola (see Measles)

S

Salmonella isolations 58, 60
Salmonellosis 3, 4, 5, 6, 7, 12, 59
Sepsis
Abortion 79
Childbirth 79
Shigella isolations 60
Shigellosis 3, 4, 5, 6, 7, 12, 61
Smallpox 3, 4
Sources of data vii

S—continued

Streptococcal sore throat
and scarlet fever 77, 79
Surveillance, historical development v
Syphilis
Congenital 65
Primary and secondary 3, 4, 6, 7, 12, 62,
63, 64, 65
Total, all stages 3, 4, 5, 12, 62, 63

T

Tetanus 3, 4, 5, 6, 7, 13, 66
Toxoplasmosis 77, 79
Trachoma 78
Trichinosis 3, 4, 5, 6, 13, 67
Tuberculosis 3, 4, 5, 7, 13, 67, 68, 69
Tularemia 3, 4, 5, 6, 13, 69, 70
Typhoid fever 3, 4, 5, 6, 7, 13, 70, 71
Typhus fever
Flea-borne (murine) 3, 4, 5, 6, 13, 72
Tick-borne (Rocky Mountain spotted)
3, 4, 5, 6, 13, 72, 73

U

Undulant fever (see Brucellosis)

V

Venereal diseases 3, 4, 5, 6, 7, 8, 9, 10, 12,
26, 27, 28, 62, 63, 64, 65

W

Whooping Cough (see Pertussis)

Y

Yellow fever 3, 4

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