

CENTERS FOR DISEASE CONTROL

**M M W R**

MORBIDITY AND MORTALITY WEEKLY REPORT

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# ANNUAL SUMMARY 1980



Reported Morbidity & Mortality  
in the United States

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## Foreword

This volume contains the 1980 final figures for the reported occurrence of notifiable diseases as well as selected data for non-notifiable conditions of special interest.

The first part is comprised of morbidity and mortality information for each of the 46 currently reportable conditions; tables contain the number of cases of notifiable diseases reported to the Centers for Disease Control (CDC) and the National Office of Vital Statistics for the past 50 years and the 1980 distribution of cases by age, month, and geographic location. The second part includes additional epidemiologic information for 36 reportable conditions. The third part covers other conditions of special interest.

The source of the data for this volume is primarily annual summary reports or case-investigation forms, submitted by state and territorial health departments.



## Significant Public Health Events of 1980

The purpose of the *Morbidity and Mortality Weekly Report* (MMWR) is to alert the public health community of events that affect the health and well-being of populations not only in the United States but worldwide as well. In the United States, for 1980 the 4 infectious diseases most frequently reported to the MMWR were the same as they had been for the recent past—gonorrhea, chickenpox, syphilis, and hepatitis. Some infectious diseases reached record levels in their reported occurrence. Measles, mumps, and rubella reached their lowest reported occurrence since they became nationally notifiable, in a large part due to the effects of the Childhood Immunization Initiative and to the efforts of the Measles Elimination Program which has as its goal the elimination of indigenous measles by October 1982. Other infectious diseases such as leprosy and Rocky Mountain spotted fever reached their highest reported occurrence. Some of the major items covered in the 1980 issues of the MMWR were toxic-shock syndrome (TSS), the increase in certain drug-resistant micro-organisms, a new rabies vaccine, the public health effects of the eruption of Mount St. Helens, an increase in heat-stroke deaths caused by the heat wave of 1980, and the influx of refugees with their unique health problems.

The event to which the news media gave a great deal of coverage in 1980 was the study of TSS that revealed a statistical association between this syndrome and tampon use in menstruating women. This study—performed in collaboration with State health departments—demonstrated a greater risk with one specific brand of tampon that prompted the manufacturer to withdraw its product from the market on September 22. Although the etiologic agent for TSS has not been definitely established, several independent studies suggest a role for selected strains of *Staphylococcus aureus*.

A need for a more potent biologic led to the development of a new rabies vaccine. On June 8, 1980, the Food and Drug Administration licensed for use in the United States the new human diploid cell vaccine (HDCV) for rabies which caused the recommendations of the Immunization Practices Advisory Committee to be revised to reflect the availability of this vaccine. HDCV is now the vaccine of choice because it is a more immunogenic vaccine and the frequency of severe reactions following its administration is lower than that for duck-embryo vaccine.

The detection of additional drug-resistant micro-organisms was an event of worldwide significance that resulted from intensive surveillance and investigation. Drug-resistant cholera in Bangladesh, gonorrhea in the United States, malaria acquired in Thailand, and tuberculosis in the United States were all reported for 1980. Consequently, clinical practices had to be altered and surveillance for the effect of these changes enhanced.

Two natural disasters occurred in 1980 that had significant effects on public health. On May 18, the Mount St. Helens volcano erupted, prompting the initiation of several epidemiologic studies and the establishment of surveillance activities. To date, the measurable public health impact of the eruption has been the detection of associated respiratory illnesses among those exposed to high concentrations of ash. The National Institute of Occupational Safety and Health played a critical role in determining the composition of the volcanic ash and initiated a long-term study of possible health effects to loggers who continue to be exposed to the ash. The Centers for Disease Control (CDC) also played an important role in the federal health response by coordinating the publication of 23 issues of the Mount St. Helens Health Bulletin.

A second natural disaster that had public health ramifications and that also occurred in 1980, began the last week of June and continued through the first 3 weeks of July. It was a severe heat wave combined with drought-like conditions that affected many midwestern and southern states. Because high rates of heat-wave related mortality were observed in several states, CDC was asked to do studies of heat-related morbidity and mortality. The results from these studies helped to define the risk factors for development of severe heat illness and to identify persons at high risk. One of the important findings was the confirmation that poverty is a significant risk factor in heat-wave-related morbidity and mortality.

Man-made disasters also contributed to the significant events of 1980. Because of these disasters and for humanitarian reasons, thousands of refugees were resettled in the United States, making health screening in the resettlement camps and at the ports of entry into the United States a major task. The identification of cases of malaria and tuberculosis, some of which were attributed to drug-resistant organisms, among these refugees was one of the reasons for the reported increased occurrence of these diseases for 1980. However, no major public health problems resulted from this large influx of refugees.



## History 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 to establish quarantine measures for diseases such as cholera, smallpox, plague, and yellow fever. In 1893 another Act authorized the collection of information on a weekly basis from state and municipal authorities throughout the United States, and gradually an increasing number of states submitted 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. The 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 lower incidence rates 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.

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

In 1981, CDC was officially reorganized and renamed the Centers for Disease Control. In the reorganization, CSCA and the responsibility for publishing the MMWR were transferred to the newly created Epidemiology Program Office.



## Data Sources

Data on the reported occurrence 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 submitted by the state and territorial departments of health. Data from the Trust Territory of the Pacific Islands have been divided into two reporting areas for 1980—Commonwealth of the Northern Mariana Islands (CNMI) and Pacific Trust Territory (excluding CNMI), which includes six districts—Marshall, Palau, Ponape, Kosrae, Truk, and Yap. However, totals for the United States do not include data listed for Guam, Puerto Rico, the Virgin Islands, CNMI, 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 in the MMWR because of differences in the 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 legionellosis) 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 analyzing trends.

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

Data on the notifiable diseases prior to 1960 were obtained from publications of the National Office of Vital Statistics.

The population data for 1980 used in computing rates are from the Bureau of the Census: Supplementary Reports, 1980 Census of Population, PC80-S1-1; Advance Reports, 1980 Census of Population and Housing, PHC80-V-34 (New York); Preliminary Reports, 1980 Census of Population and Housing, PHC80-P-54 (Guam); PHC80-P-53 (Puerto Rico); PHC80-P-55 (Virgin Islands); and press release CB81-97 (Trust Territory of the Pacific Islands). Population estimates for the years 1931-1969 were obtained from Series P-25, No. 802.

Population data from those states in which diseases were not notifiable or from which age-specific data were not available were excluded from rate calculation. Rates

were calculated using resident population data except for chancroid, gonorrhoea, granuloma inguinale, lymphogranuloma venereum, and syphilis, for which only civilian resident population data were utilized.

Data on reported venereal disease cases were prepared by the Venereal Disease Control Division, CDC.

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

# **PART 1:**

## **Summaries of Notifiable Diseases in the United States**



NOTIFIABLE DISEASES — Summary of reported cases by month, United States, 1980

Disease	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Unk
Amebiasis	5,271	309	298	397	468	442	450	571	388	403	526	379	621	19
Anthrax	1	—	—	—	—	—	—	—	—	1	—	—	—	—
Aseptic meningitis	8,028	344	307	264	277	318	496	897	1,418	1,364	1,153	574	555	61
Botulism, total	89	4	4	6	8	5	6	10	13	3	11	8	11	—
Foodborne	18	—	—	3	1	—	1	6	5	—	1	1	—	—
Infant	68	4	4	2	7	5	5	4	8	2	10	8	9	—
Brucellosis (undulant fever)	183	13	19	13	11	23	16	21	19	14	6	12	14	2
Chickenpox	190,894	20,092	23,267	27,034	29,567	28,644	21,553	5,960	1,635	1,552	3,904	8,710	18,914	62
Cholera	10	—	—	—	6	1	—	1	—	—	1	—	—	—
Diphtheria	3	—	1	—	1	—	—	—	—	—	—	—	1	—
Gonorrhea	1,004,029	83,179	75,303	71,232	78,753	80,271	78,310	90,046	93,364	91,420	93,164	83,331	85,656	—
Hepatitis A	29,087	2,374	2,444	2,309	2,252	2,259	2,224	2,516	2,436	2,493	2,666	2,285	2,658	171
Hepatitis B	19,015	1,419	1,333	1,465	1,438	1,490	1,519	1,513	1,580	1,640	1,736	1,695	1,943	244
Hepatitis, unspecified	11,894	854	949	988	1,028	976	874	977	1,034	935	1,135	1,028	1,024	92
Legionellosis	441	29	31	33	32	37	42	54	68	57	20	23	15	—
Leprosy	223	16	14	11	18	14	15	15	23	27	31	17	22	—
Leptospirosis	85	5	3	5	6	5	7	11	12	11	9	4	6	1
Malaria	2,062	130	134	139	151	217	219	219	214	152	162	157	153	15
Measles (rubeola)	13,506	515	981	2,128	2,986	3,386	1,860	712	252	106	162	139	187	92
Meningococcal infections, total	2,840	265	280	362	280	249	199	162	143	148	206	226	287	33
Civilian	2,820	260	277	360	279	247	199	162	140	148	205	224	286	33
Military	20	5	3	2	1	2	—	—	3	—	1	2	1	—
Mumps	8,576	1,095	1,168	1,451	1,070	1,085	651	280	215	220	398	352	549	42
Pertussis (whooping cough)	1,730	86	120	77	90	108	116	244	251	209	157	117	140	15
Plague	18	—	—	—	—	1	5	4	5	2	1	—	—	—
Poliomyelitis, total	9	—	1	1	1	3	—	—	—	—	1	—	1	1
Paralytic	8	—	1	1	—	2	1	—	—	—	1	—	1	1
Psittacosis	124	7	10	4	14	15	12	10	13	14	8	7	10	—
Rabies, human	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Rheumatic fever, acute	432	34	51	42	64	37	20	30	27	31	34	27	31	4
Rubella (German measles)	3,904	251	372	580	638	668	379	204	118	121	137	122	280	34
Rubella congenital syndrome	50	6	7	10	9	3	—	7	3	2	—	1	1	1
Salmonellosis	33,715	1,836	1,624	1,789	1,962	2,259	2,576	3,220	3,905	3,954	4,267	2,919	2,781	623
Shigellosis	19,041	1,184	1,250	1,206	1,299	1,218	1,336	1,745	1,925	2,000	2,397	1,682	1,590	209
Syphilis, primary & secondary	27,204	2,161	2,210	2,162	2,165	2,135	2,080	2,130	2,482	2,482	2,531	2,316	2,350	—
Tetanus	95	5	—	6	6	8	8	15	8	14	7	5	13	—
Trichinosis	131	7	2	18	23	8	24	9	12	7	9	5	7	—
Tularemia	234	7	5	11	11	17	29	25	34	28	22	26	19	—
Typhoid fever	510	23	30	27	22	52	36	63	59	68	56	39	31	4
Typhus fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Flea-borne (endemic, murine)	81	1	2	3	11	6	9	13	9	7	6	8	6	—
Tick-borne (Rocky Mountain spotted)	1,163	3	3	4	30	175	244	243	212	134	64	24	27	—

<sup>1</sup> Includes sporadic cases only.

# NOTIFIABLE DISEASES

NOTIFIABLE DISEASES — Reported cases by geographic division and by state, United States, 1980

Area	Tot. Resident Population (in thousands)	Amebiasis	Anthrax	Aseptic Meningitis	Botulism				Brucellosis	Chancroid
					Foodborne	Infant	Wound	Unsp.		
<b>United States</b>	<b>226,505</b>	<b>5,271</b>	<b>1</b>	<b>8,028</b>	<b>18</b>	<b>68</b>	<b>2</b>	<b>1</b>	<b>183</b>	<b>788<sup>1</sup></b>
<b>New England</b>	<b>12,348</b>	<b>81</b>	—	<b>406</b>	—	—	—	<b>1</b>	<b>5</b>	<b>3</b>
Maine	1,125	3	—	21	—	—	—	—	—	—
N.H.	921	3	—	28	—	—	—	—	—	—
Vt.	511	7	—	5	—	—	—	—	—	—
Mass.	5,737	8	—	149	—	—	—	—	<b>3</b>	—
R.I.	947	1	—	109	—	—	—	—	—	<b>3</b>
Conn.	3,108	59	—	94	—	—	—	<b>1</b>	<b>2</b>	<b>109</b>
<b>Mid. Atlantic</b>	<b>36,788</b>	<b>1,591</b>	—	<b>1,379</b>	<b>2</b>	<b>11</b>	—	—	<b>12</b>	<b>104</b>
N.Y. (excl. NYC)	10,486	40	—	376	—	—	—	—	<b>3</b>	<b>5</b>
N.Y.C.	7,071	1,485	—	178	<b>2</b>	—	—	—	<b>1</b>	—
N.J.	7,364	45	—	511	—	<b>2</b>	—	—	<b>2</b>	—
Pa.	11,867	21	—	314	—	<b>9</b>	—	—	<b>6</b>	<b>96</b>
<b>E.N. Central</b>	<b>41,670</b>	<b>311</b>	—	<b>1,334</b>	<b>4</b>	<b>3</b>	—	—	<b>19</b>	<b>1</b>
Ohio	10,797	70	—	390	—	<b>3</b>	—	—	<b>2</b>	<b>45</b>
Ind.	5,490	26	—	203	—	—	—	—	<b>1</b>	<b>50</b>
Ill.	11,418	205	—	233	—	—	—	—	<b>9</b>	—
Mich.	9,258	10	—	360	<b>2</b>	—	—	—	—	—
Wis.	4,705	—	—	148	<b>2</b>	—	—	—	<b>7</b>	<b>1</b>
<b>W.N. Central</b>	<b>17,184</b>	<b>139</b>	—	<b>291</b>	—	<b>1</b>	—	—	<b>27</b>	<b>1</b>
Minn.	4,077	69	—	NN	—	—	—	—	<b>3</b>	—
Iowa	2,913	10	—	77	—	—	—	—	<b>9</b>	—
Mo.	4,917	15	—	116	—	—	—	—	<b>3</b>	—
N. Dak.	653	2	—	1	—	—	—	—	—	—
S. Dak.	690	2	—	13	—	—	—	—	<b>3</b>	—
Nebr.	1,570	1	—	33	—	—	—	—	<b>3</b>	—
Kans.	2,363	40	—	51	—	<b>1</b>	—	—	<b>6</b>	<b>540</b>
<b>S. Atlantic</b>	<b>36,943</b>	<b>344</b>	—	<b>1,485</b>	<b>1</b>	<b>2</b>	—	—	<b>23</b>	<b>1</b>
Del.	596	—	—	1	—	<b>1</b>	—	—	—	—
Md.	4,216	23	—	163	—	—	—	—	<b>2</b>	—
D.C.	638	11	—	11	—	—	—	—	—	<b>1</b>
Va.	5,346	63	—	188	—	—	—	—	<b>5</b>	<b>3</b>
W.Va.	1,950	2	—	35	—	—	—	—	<b>1</b>	<b>27</b>
N.C.	5,874	11	—	349	<b>1</b>	<b>1</b>	—	—	<b>2</b>	<b>3</b>
S.C.	3,119	89	—	60	—	—	—	—	<b>1</b>	<b>448</b>
Ga.	5,464	100	—	24	—	—	—	—	<b>5</b>	<b>57</b>
Fla.	9,740	45	—	654	—	—	—	—	<b>7</b>	<b>4</b>
<b>E.S. Central</b>	<b>14,663</b>	<b>20</b>	—	<b>787</b>	<b>1</b>	—	—	—	<b>14</b>	<b>1</b>
Ky.	3,661	1	—	102	<b>1</b>	—	—	—	<b>1</b>	<b>2</b>
Tenn.	4,591	NN	—	114	—	—	—	—	<b>6</b>	<b>1</b>
Ala.	3,890	7	—	537	—	—	—	—	<b>6</b>	<b>1</b>
Miss.	2,521	12	—	34	—	—	—	—	<b>1</b>	<b>11</b>
<b>W.S. Central</b>	<b>23,743</b>	<b>428</b>	—	<b>616</b>	—	—	—	—	<b>49</b>	<b>1</b>
Ark.	2,286	20	—	16	—	—	—	—	<b>8</b>	<b>2</b>
La.	4,204	14	—	82	—	—	—	—	<b>4</b>	—
Okla.	3,025	39	—	86	—	—	—	—	<b>9</b>	<b>8</b>
Texas	14,228	355	—	432	—	—	—	—	<b>28</b>	<b>5</b>
<b>Mountain</b>	<b>11,368</b>	<b>279</b>	<b>1</b>	<b>241</b>	<b>1</b>	<b>13</b>	—	—	<b>5</b>	<b>1</b>
Mont.	787	2	—	18	—	—	—	—	—	—
Idaho	944	14	—	10	—	<b>2</b>	—	—	<b>4</b>	—
Wyo.	471	—	—	3	—	—	—	—	—	—
Colo.	2,889	93	<b>1</b>	99	<b>1</b>	<b>1</b>	—	—	<b>1</b>	—
N. Mex.	1,300	NN	—	17	—	<b>3</b>	—	—	—	<b>4</b>
Ariz.	2,718	83	—	27	—	<b>2</b>	—	—	—	—
Utah	1,461	85	—	30	—	<b>4</b>	—	—	—	—
Nev.	799	2	—	37	—	<b>1</b>	—	—	—	—
<b>Pacific</b>	<b>31,797</b>	<b>2,078</b>	—	<b>1,489</b>	<b>9</b>	<b>38</b>	<b>2</b>	—	<b>29</b>	<b>19</b>
Wash.	4,130	60	—	81	<b>2</b>	<b>3</b>	<b>1</b>	—	<b>2</b>	<b>2</b>
Oreg.	2,633	155	—	99	<b>1</b>	<b>3</b>	—	—	—	<b>17</b>
Calif.	23,669	1,847	—	1,140	<b>3</b>	<b>32</b>	<b>1</b>	—	<b>27</b>	—
Alaska	400	NN	NN	24	<b>3</b>	—	—	—	—	—
Hawaii	965	16	—	145	—	—	—	—	—	—
Guam	106	1	—	9	—	—	—	—	—	<b>27</b>
P.R.	3,188	2	—	65	—	—	—	—	<b>1</b>	—
V.I.	96	—	—	—	—	—	—	—	—	NA
Pac. Trust Terr.	117	905	NN	16	NN	NN	NN	NN	NN	NA
C.N.M.I.	17	2	—	—	—	—	—	—	—	NA

<sup>1</sup> Civilian cases only.



# NOTIFIABLE DISEASES

**NOTIFIABLE DISEASES — Reported cases by geographic division and by state,  
United States, 1980 — continued**

Area	Chicken-pox	Cholera	Diphtheria	Encephalitis			Gonorrhea	Granuloma inguinale
				Primary	Indeterminate	Post childhood inf.		
<b>United States</b>	<b>180,894</b>	<b>10<sup>1</sup></b>	<b>3</b>	<b>264<sup>2</sup></b>	<b>952<sup>2</sup></b>	<b>38<sup>2</sup></b>	<b>1,004,029<sup>3</sup></b>	<b>51<sup>3</sup></b>
<b>New England</b>	<b>22,719</b>	—	—	<b>4</b>	<b>41</b>	<b>9</b>	<b>25,660</b>	—
Maine	4,455	—	—	—	—	—	1,460	—
N.H.	2,238	—	—	2	1	2	888	—
Vt.	1,387	—	—	—	—	—	533	—
Mass.	6,215	—	—	—	16	—	10,795	—
R.I.	1,406	—	—	—	—	—	1,620	—
Conn.	7,018	—	—	2	24	7	10,364	—
<b>Mid. Atlantic</b>	<b>13,505</b>	<b>1</b>	<b>1</b>	<b>9</b>	<b>177</b>	<b>6</b>	<b>113,478</b>	<b>10</b>
N.Y. (excl. N.Y.C.)	5,497	—	—	5	51	1	21,089	—
N.Y.C.	4,789	—	1	1	11	—	44,280	8
N.J.	NN	—	—	2	28	—	20,514	1
Pa.	3,219	1	—	1	87	5	27,596	1
<b>E.N. Central</b>	<b>86,568</b>	—	<b>1</b>	<b>82</b>	<b>296</b>	<b>12</b>	<b>156,850</b>	<b>1</b>
Ohio	7,268	—	—	26	81	—	43,197	—
Ind.	7,482	—	—	15	98	8	17,413	—
Ill.	23,647	—	—	9	52	—	46,907	1
Mich.	28,120	—	1	1	44	—	34,951	—
Wis.	20,051	—	—	31	21	4	14,382	—
<b>W.N. Central</b>	<b>22,524</b>	—	—	<b>19</b>	<b>57</b>	<b>1</b>	<b>49,035</b>	<b>2</b>
Minn.	38	—	—	5	3	1	7,930	—
Iowa	9,525	—	—	8	25	—	5,093	—
Mo.	2,331	—	—	2	9	—	22,025	—
N. Dak.	731	—	—	—	—	—	680	—
S. Dak.	1,115	—	—	—	1	—	1,361	—
Nebr.	1,046	—	—	—	9	—	3,720	—
Kans.	7,738	—	—	4	10	—	8,226	2
<b>S. Atlantic</b>	<b>17,671</b>	<b>2</b>	—	<b>37</b>	<b>156</b>	<b>7</b>	<b>249,190</b>	<b>34</b>
Del.	469	—	—	—	—	—	3,621	—
Md.	2,147	1	—	5	25	—	26,984	—
D.C.	97	—	—	—	1	—	17,420	—
Va.	483	—	—	1	35	5	23,247	1
W. Va.	5,065	—	—	—	7	—	3,344	—
N.C.	NN	—	—	4	39	2	38,251	3
S.C.	577	—	—	—	10	—	23,525	—
Ga.	126	—	—	8	3	—	47,358	30
Fla.	8,707	1	—	19	36	—	65,440	—
<b>E.S. Central</b>	<b>3,830</b>	—	—	<b>7</b>	<b>30</b>	—	<b>80,996</b>	<b>1</b>
Ky.	2,651	—	—	—	6	—	11,841	—
Tenn.	NN	—	—	NA	NA	NA	29,666	1
Ala.	792	—	—	2	10	—	24,020	—
Miss.	387	—	—	5	14	—	15,469	—
<b>W.S. Central</b>	<b>9,630</b>	—	<b>1</b>	<b>87</b>	<b>96</b>	<b>1</b>	<b>125,733</b>	<b>1</b>
Ark.	152	—	—	2	7	—	10,129	—
La.	NN	—	—	10	17	1	22,584	—
Okla.	NN	—	NN	3	15	—	12,723	—
Texas	9,478	—	1	72	57	—	80,297	1
<b>Mountain</b>	<b>4,409</b>	—	—	<b>15</b>	<b>26</b>	<b>1</b>	<b>39,067</b>	—
Mont.	1,499	—	—	—	—	—	1,469	—
Idaho	139	—	—	—	1	—	1,734	—
Wyo.	73	—	—	—	1	—	1,096	—
Colo.	2,340	—	—	—	14	1	10,585	—
N. Mex.	NN	—	—	1	1	—	4,562	—
Ariz.	NN	—	—	9	7	—	10,575	—
Utah	308	—	—	5	2	—	1,962	—
Nev.	50	—	—	—	—	—	7,084	—
<b>Pacific</b>	<b>10,038</b>	<b>7</b>	—	<b>4</b>	<b>73</b>	<b>1</b>	<b>164,019</b>	<b>2</b>
Wash.	6,982	—	—	4	22	1	14,216	—
Oreg.	54 <sup>4</sup>	—	—	—	19	—	11,159	—
Calif.	1,598	7	—	NA	NA	NA	131,301	2
Alaska	478	—	—	—	11	—	4,076	—
Hawaii	926	—	—	—	21	—	3,267	—
Guam	165	—	—	—	—	1	42	—
P.R.	859	—	—	—	1	—	2,789	—
V.I.	60	—	—	—	—	—	315	—
Pac. Trust Terr.	211	—	NN	NA	NA	NA	NA	NA
C.N.M.I.	44	—	NN	NA	NA	NA	NA	NA

<sup>1</sup> Includes 9 imported cases and 1 indigenous case in Florida.

<sup>2</sup> Provisional data.

<sup>3</sup> Civilian cases only.

<sup>4</sup> Notifiable only for 16 years of age and over.

# NOTIFIABLE DISEASES

NOTIFIABLE DISEASES — Reported cases by geographic division and by state,  
United States, 1980 — continued

Area	Hepatitis A	Hepatitis B	Hepatitis unsp.	Legionel- losis	Leprosy		Leptospirosis	Lympho- granuloma venereum
					Endemic	Imported		
<b>United States</b>	<b>29,087</b>	<b>19,015</b>	<b>11,894</b>	<b>441<sup>1</sup></b>	<b>31</b>	<b>192</b>	<b>85</b>	<b>199<sup>2</sup></b>
<b>New England</b>	<b>711</b>	<b>842</b>	<b>236</b>	<b>57</b>	<b>3</b>	<b>2</b>	<b>7</b>	—
Maine	32	30	18	6	—	1	—	—
N.H.	60	34	13	2	—	—	—	—
Vt.	44	25	5	2	—	—	—	—
Mass.	277	299	134	26	3	—	5	—
R.I.	118	72	—	9	—	—	1	—
Conn.	180	382	66	12	—	1	1	—
<b>Mid. Atlantic</b>	<b>2,594</b>	<b>2,962</b>	<b>908</b>	<b>118</b>	<b>1</b>	<b>10</b>	<b>3</b>	<b>48</b>
N.Y. (excl. NYC)	641	525	252	26	—	3	—	5
N.Y.C. <sup>3</sup>	364 <sup>3</sup>	562 <sup>3</sup>	153 <sup>3</sup>	3	1	5	—	38
N.J.	844	934	347	21	—	2	—	4
Pa.	745	941	156	68	—	—	3	1
<b>E.N. Central</b>	<b>3,510</b>	<b>2,302</b>	<b>1,147</b>	<b>118</b>	—	<b>11</b>	<b>3</b>	<b>5</b>
Ohio	673	434	403	48	—	—	2	—
Ind.	532	485	234	17	—	—	—	1
Ill.	1,128	575	209	28	—	9	1	3
Mich.	879	655	265	7	—	1	—	1
Wis.	298	153	36	18	—	1	—	—
<b>W.N. Central</b>	<b>1,211</b>	<b>601</b>	<b>338</b>	<b>41</b>	—	<b>8</b>	<b>4</b>	—
Minn.	324	125	20	3	—	5	—	—
Iowa	214	105	77	8	—	—	1	—
Mo.	254	205	176	10	—	2	1	—
N.D.	57	6	4	14	—	—	—	—
S.D.	72	8	2	—	—	—	—	—
Nebr.	68	60	21	—	—	—	—	—
Kans.	222	92	38	6	—	1	2	—
<b>S. Atlantic</b>	<b>4,412</b>	<b>4,271</b>	<b>1,697</b>	<b>58</b>	<b>1</b>	<b>15</b>	<b>15</b>	<b>122</b>
Del.	47	88	17	1	—	—	—	—
Md.	256	597	346	4	—	7	—	2
D.C.	59	103	14	—	—	—	—	5
Va.	310	520	169	16	—	2	1	—
W. Va.	116	76	17	2	—	—	—	5
N.C.	353	376	215	13	1	2	1	—
S.C.	147	492	80	—	—	—	—	—
Ga.	846	797	—	11	—	—	2	94
Fla.	2,278	1,222	839	11	—	4	11	16
<b>E.S. Central</b>	<b>1,597</b>	<b>1,044</b>	<b>265</b>	<b>16</b>	—	<b>1</b>	<b>3</b>	<b>3</b>
Ky.	438	177	61	1	—	—	—	1
Tenn.	490	467	66	6	—	—	1	1
Ala.	237	273	138	7	—	—	1	1
Miss.	432	127	—	2	—	1	1	—
<b>W.S. Central</b>	<b>4,413</b>	<b>1,515</b>	<b>2,772</b>	<b>14</b>	<b>20</b>	<b>17</b>	<b>12</b>	<b>10</b>
Ark.	360	159	102	5	—	—	1	—
La.	680	311	239	5	5	—	7	4
Okla.	395	226	237	4	—	—	1	—
Texas	2,978	819	2,194	—	15	17	3	6
<b>Mountain</b>	<b>2,938</b>	<b>690</b>	<b>1,465</b>	<b>8</b>	<b>1</b>	<b>6</b>	<b>5</b>	<b>1</b>
Mont.	148	21	10	—	—	—	—	—
Idaho	147	12	3	—	—	2	2	—
Wyo.	20	5	10	—	—	—	1	—
Colo.	834	234	158	—	1	—	1	1
N. Mex.	366	53	21	2	—	—	—	—
Ariz.	825	184	879	3	—	—	1	—
Utah	263	60	211	2	—	3	—	—
Nev.	335	121	173	1	—	1	—	—
<b>Pacific</b>	<b>7,701</b>	<b>4,788</b>	<b>3,066</b>	<b>10</b>	<b>5</b>	<b>122</b>	<b>33</b>	<b>10</b>
Wash.	554	256	168	3	—	1	—	—
Oreg.	777	408	69	3	—	1	1	—
Calif.	6,259	3,972	2,773	2	1	90	5	10
Alaska	27	33	28	—	NN	NN	NN	—
Hawaii	84	119	28	2	4	30	27	—
Guam	49	5	80	—	5	—	—	—
P.R.	316	85	251	—	NA	NA	2	3
V.I.	2	—	4	—	—	—	—	NA
Pac. Trust Terr.	—	—	58	—	11	—	NN	NA
C.N.M.I.	—	—	15	—	2	—	—	NA

<sup>1</sup> Includes sporadic cases only; total includes 1 unknown.

<sup>2</sup> Civilian cases only.

<sup>3</sup> Classifications based on HBsAg test results.

NOTIFIABLE DISEASES

NOTIFIABLE DISEASES — Reported cases by geographic division and by state,  
United States, 1980 — continued

Area	Malaria	Measles	Meningo- coccal infections	Mumps	Pertussis	Plague	Poliomyelitis		Psittacosis
							Total	Paralytic	
<b>United States</b>	2,062 <sup>1</sup>	13,506 <sup>2</sup>	2,840	8,576	1,730	18	9 <sup>3</sup>	8	124
<b>New England</b>	122	677	166	618	49	—	—	—	8
Maine	18	33	6	309	5	—	—	—	—
N.H.	10	332	7	30	13	—	—	—	—
Vt.	1	226	17	12	—	—	—	—	—
Mass.	60	59	63	130	22	—	—	—	6
R.I.	9	2	13	34	3	—	—	—	—
Conn.	24	25	60	103	6	—	—	—	2
<b>Mid. Atlantic</b>	259	3,940	484	970	256	—	1	1	14
N.Y. (excl. NYC)	42	735	141	174	160	—	—	—	7
N.Y.C.	63	1,210	110	111	30	—	—	—	2
N.J.	66	856	105	130	14	—	1	1	1
Pa.	88	1,139	128	555	52	—	—	—	4
<b>E.N. Central</b>	158	2,459	395	3,311	474	—	1	1	10
Ohio	21	380	116	1,318	88	—	—	—	5
Ind.	19	97	62	170	164	—	—	—	—
Ill.	82	351	110	437	142	—	—	—	1
Mich.	24	250	77	1,011	38	—	1	1	—
Wis.	12	1,381	30	375	42	—	—	—	2
<b>W.N. Central</b>	81	1,341	105	332	83	—	—	—	4
Minn.	35	1,104	23	20	20	—	—	—	—
Iowa	7	20	17	64	2	—	—	—	1
Mo.	16	67	42	103	30	—	—	—	—
N.D.	—	—	3	4	7	—	—	—	1
S.D.	4	—	6	3	3	—	—	—	—
Nebr.	7	83	—	9	6	—	—	—	—
Kans.	12	67	14	129	15	—	—	—	—
<b>S. Atlantic</b>	238	2,014	669	1,127	272	—	—	—	11
Del.	—	4	5	42	1	—	—	—	—
Md.	50	84	55	339	2	—	—	—	1
D.C.	4	5	—	6	—	—	—	—	—
Va.	65	339	67	87	10	—	—	—	2
W.Va.	4	10	29	128	12	—	—	—	1
N.C.	19	130	110	101	35	—	—	—	—
S.C.	12	159	68	211	18	—	—	—	—
Ga.	22	851	117	18	126	—	—	—	—
Fla.	62	432	218	195	68	—	—	—	7
<b>E.S. Central</b>	31	348	216	896	92	—	—	—	4
Ky.	3	57	66	765	37	—	—	—	—
Tenn.	16	170	61	33	37	—	—	—	—
Ala.	8	22	58	36	3	—	—	—	2
Miss.	4	99	31	62	15	—	—	—	2
<b>W.S. Central</b>	196	985	297	305	163	—	1	1	9
Ark.	10	14	24	26	13	—	—	—	—
La.	59	15	98	67	38	—	1	1	1
Okl.	12	775	30	NN	30	—	—	—	—
Texas	115	181	145	212	82	—	—	—	8
<b>Mountain</b>	92	500	121	230	110	15	2	1	14
Mont.	1	2	6	61	3	—	—	—	—
Idaho	1	—	6	17	10	—	—	—	1
Wyo.	2	—	6	—	3	—	1	1	—
Colo.	36	24	29	68	29	—	1	—	7
N.Mex.	5	12	13	NN	29	13	—	—	—
Ariz.	19	403	22	46	25	—	—	—	2
Utah.	16	47	9	29	10	—	—	—	3
Nev.	12	12	30	9	1	2	—	—	1
<b>Pacific</b>	885	1,242	387	787	231	3	4 <sup>3</sup>	4	52
Wash.	59	178	67	166	77	—	1	1	5
Oreg.	49	1	58	97	2	—	1	1	22
Calif.	741	1,051	247	485	147	3	2 <sup>3</sup>	2	25
Alaska	7	6	14	15	5	—	—	—	—
Hawaii	29	6	1	24	—	—	—	—	—
Guam	4	7	1	11	—	—	—	—	—
P.R.	6	231	13	177	14	—	—	—	NN
V.I.	3	6	3	1	—	—	—	—	—
Pac. Trust Terr.	2	12	—	26	—	—	—	—	NN
C.N.M.I.	—	—	—	3	—	—	—	—	—

<sup>1</sup> Includes 2,053 imported cases.

<sup>2</sup> Includes 38 imported cases.

<sup>3</sup> Includes 1 imported case.

# NOTIFIABLE DISEASES

NOTIFIABLE DISEASES — Reported cases by geographic division and by state,  
United States, 1980 — continued

Area	Rabies <sup>1</sup>	Rheumatic fever, acute	Rubella		Salmonellosis	Shigellosis	Syphilis	
	Animal		Rubella	Cong. syndrome			Primary & secondary	All stages
<b>United States</b>	<b>6,421</b>	<b>432</b>	<b>3,904</b>	<b>50</b>	<b>33,715</b>	<b>19,041</b>	<b>27,204<sup>2</sup></b>	<b>68,832<sup>2</sup></b>
<b>New England</b>	<b>65</b>	<b>30</b>	<b>287</b>	<b>4</b>	<b>2,517</b>	<b>514</b>	<b>500</b>	<b>1,649</b>
Maine	31	3	129	—	132	3	6	37
N.H.	8	—	47	1	159	7	5	29
Vt.	—	1	3	—	53	15	4	11
Mass.	15	NN	76	1	1,379	353	318	898
R.I.	1	26	9	—	124	22	32	117
Conn.	10	—	23	2	670	114	135	557
<b>Mid. Atlantic</b>	<b>77</b>	<b>—</b>	<b>597</b>	<b>2</b>	<b>5,320</b>	<b>1,940</b>	<b>3,743</b>	<b>10,670</b>
N.Y. (excl. NYC)	40	NN	226	2	1,104	309	335	775
N.Y.C.	—	NN	106	NN	1,194	762	2,393	5,940
N.J.	18	NN	109	—	1,358	588	442	2,300
Pa.	19	NN	157	—	1,664	281	573	1,655
<b>E.N. Central</b>	<b>961</b>	<b>109</b>	<b>901</b>	<b>19</b>	<b>5,278</b>	<b>2,520</b>	<b>2,450</b>	<b>8,480</b>
Ohio	57	13	9	6	842	503	379	1,361
Ind.	75	18	388	2	485	341	203	653
Ill.	520	70	188	4	1,835	1,054	1,365	4,875
Mich.	15	NN	129	6	1,191	330	399	1,163
Wis.	294	8	187	1	925	292	104	428
<b>W.N. Central</b>	<b>2,156</b>	<b>61</b>	<b>214</b>	<b>—</b>	<b>2,116</b>	<b>825</b>	<b>379</b>	<b>2,087</b>
Minn.	255	NN	28	—	608	153	125	285
Iowa	545	1	10	—	189	56	31	183
Mo.	379	37	45	—	606	129	165	1,090
N. Dak.	255	2	6	NN	87	42	2	13
S. Dak.	471	2	2	—	98	113	6	13
Nebr.	92	NN	4	—	135	32	12	48
Kans.	159	19	119	—	393	300	38	455
<b>S. Atlantic</b>	<b>545</b>	<b>39</b>	<b>355</b>	<b>2</b>	<b>7,354</b>	<b>2,049</b>	<b>6,520</b>	<b>15,640</b>
Del.	4	5	1	—	111	43	19	62
Md.	37	—	69	—	1,204	190	398	1,412
D.C.	—	—	1	—	160	39	493	1,465
Va.	36	NN	42	—	1,303	198	584	1,559
W. Va.	27	—	27	—	153	23	19	533
N.C.	18	NN	48	—	884	128	495	1,456
S.C.	62	6	58	—	477	87	406	956
Ga.	252	—	—	—	1,031	414	1,849	3,813
Fla.	109	28	109	2	2,031	927	2,257	4,384
<b>E.S. Central</b>	<b>357</b>	<b>108</b>	<b>92</b>	<b>5</b>	<b>1,884</b>	<b>549</b>	<b>2,205</b>	<b>4,340</b>
Ky.	153	93	46	2	302	150	129	490
Tenn.	145	NN	41	—	546	156	925	1,696
Ala.	55	13	3	3	534	157	478	883
Miss.	4	2	2	—	502	86	673	1,271
<b>W.S. Central</b>	<b>1,403</b>	<b>16</b>	<b>157</b>	<b>1</b>	<b>3,528</b>	<b>2,712</b>	<b>5,584</b>	<b>11,088</b>
Ark.	191	1	5	—	474	62	217	571
La.	20	—	13	—	212	233	1,426	3,048
Okla.	247	NN	8	—	386	255	113	399
Texas	945	15	131	1	2,456	2,162	3,828	7,070
<b>Mountain</b>	<b>254</b>	<b>47</b>	<b>185</b>	<b>—</b>	<b>1,561</b>	<b>2,228</b>	<b>684</b>	<b>1,557</b>
Mont.	56	—	46	—	168	32	2	21
Idaho	2	NN	30	—	141	155	17	32
Wyo.	15	10	1	—	14	81	9	35
Colo.	51	9	12	—	564	390	190	413
N. Mex.	42	11	5	—	212	627	112	273
Ariz.	77	NN	51	—	314	754	243	533
Utah	10	16	31	—	105	176	18	63
Nev.	1	1	9	—	43	13	93	187
<b>Pacific</b>	<b>603</b>	<b>22</b>	<b>1,116</b>	<b>17</b>	<b>4,157</b>	<b>5,704</b>	<b>5,139</b>	<b>13,321</b>
Wash.	3	—	97	—	461	287	262	687
Oreg.	4	5	73	—	289	157	109	297
Calif.	543	15	929	17	2,951	4,856	4,638	12,090
Alaska	53	2	12	—	55	248	10	44
Hawaii	—	NN	5	—	401	156	120	203
Guam	—	4	2	—	126	30	—	11
P.R.	68	10	30	—	303	89	704	1,833
V.I.	—	—	—	—	—	1	10	20
Pac. Trust Terr.	NA	1	2	—	—	—	NA	NA
C.N.M.I.	NA	3	—	—	—	—	NA	NA

<sup>1</sup> No human rabies cases reported for 1980.

<sup>2</sup> Civilian cases only.

# NOTIFIABLE DISEASES

**NOTIFIABLE DISEASES – Reported cases by geographic division and by state,  
United States, 1980 – continued**

Area	Tetanus	Trichinosis	Tuberculosis	Tularemia	Typhoid fever			Typhus fever	
					Cases		Carriers	Murine	Rocky Mt. Spotted
					Endemic	Imported			
<b>United States</b>	<b>95</b>	<b>131</b>	<b>27,749</b>	<b>234</b>	<b>250<sup>1</sup></b>	<b>260</b>	<b>62</b>	<b>81</b>	<b>1,163</b>
<b>New England</b>	<b>3</b>	<b>16</b>	<b>796</b>	<b>7</b>	<b>7</b>	<b>8</b>	<b>1</b>	—	<b>16</b>
Maine	1	2	58	—	1	—	—	—	—
N.H.	—	—	22	—	—	—	—	—	—
Vt.	—	—	25	—	—	—	—	—	—
Mass.	—	8	452	5	5	4	1	—	7
R.I.	1	2	66	1	1	—	—	—	2
Conn.	1	4	173	1	—	4	—	—	7
<b>Mid. Atlantic</b>	<b>10</b>	<b>45</b>	<b>4,215</b>	<b>4</b>	<b>49</b>	<b>48</b>	<b>6</b>	<b>1</b>	<b>60</b>
N.Y. (excl. NYC)	3	8	780	2	7	9	—	—	12
N.Y.C.	2	1	1,514	1	23	19	—	—	2
N.J.	—	24	906	1	6	20	6	—	18
Pa.	5	12	1,015	—	13	—	—	1	28
<b>E.N. Central</b>	<b>16</b>	<b>10</b>	<b>3,948</b>	<b>4</b>	<b>21<sup>1</sup></b>	<b>39</b>	<b>9</b>	<b>2</b>	<b>46</b>
Ohio	3	4	747	2	6 <sup>1</sup>	4	—	2	15
Ind.	1	—	429	—	—	—	—	—	7
Ill.	9	5	1,352	—	8	23	7	—	19
Mich.	1	1	1,168	2	5	7	—	—	3
Wis.	2	—	252	—	2	5	2	—	2
<b>W.N. Central</b>	<b>5</b>	<b>4</b>	<b>1,049</b>	<b>39</b>	<b>18</b>	<b>13</b>	<b>2</b>	<b>1</b>	<b>52</b>
Minn.	1	—	237	2	—	5	—	—	—
Iowa	1	—	91	1	—	2	—	—	3
Mo.	2	3	466	26	15	5	1	—	31
N. Dak.	—	—	54	—	1	—	—	—	—
S. Dak.	—	—	49	1	—	1	—	—	2
Nebr.	—	—	44	6	1	—	1	—	5
Kans.	1	1	108	3	1	—	—	1	11
<b>S. Atlantic</b>	<b>15</b>	<b>11</b>	<b>5,966</b>	<b>19</b>	<b>35</b>	<b>13</b>	<b>4</b>	<b>4</b>	<b>709</b>
Del.	1	—	76	—	—	1	—	—	2
Md.	—	8	610	7	4	—	—	—	77
D.C.	—	—	341	—	3	1	—	—	—
Va.	3	2	654	1	4	5	3	1	96
W. Va.	1	1	203	1	5	—	—	—	6
N.C.	1	—	1,066	3	2	3	—	—	321
S.C.	3	—	520	—	3	—	—	3	141
Ga.	4	—	849	7	1	—	1	—	60
Fla.	4	—	1,647	—	13	3	NA	—	6
<b>E.S. Central</b>	<b>10</b>	<b>—</b>	<b>2,482</b>	<b>13</b>	<b>12</b>	<b>2</b>	<b>—</b>	<b>1</b>	<b>121</b>
Ky.	2	—	570	—	2	1	—	—	21
Tenn.	3	—	791	8	1	—	—	1	61
Ala.	5	—	663	2	3	1	—	—	19
Miss.	—	—	458	3	6	—	—	—	20
<b>W.S. Central</b>	<b>22</b>	<b>34</b>	<b>3,354</b>	<b>97</b>	<b>42</b>	<b>37</b>	<b>14</b>	<b>63</b>	<b>139</b>
Ark.	2	—	369	60	5	—	—	—	27
La.	5	28	577	1	2	—	—	2	4
Okla.	1	—	333	24	1	4	2	—	77
Texas	14	6	2,075	12	34	33	12	61	31
<b>Mountain</b>	<b>1</b>	<b>2</b>	<b>815</b>	<b>35</b>	<b>19</b>	<b>5</b>	<b>3</b>	<b>—</b>	<b>14</b>
Mont.	—	—	27	10	1	—	—	—	3
Idaho	—	—	33	1	1	—	—	—	2
Wyo.	—	—	27	4	—	—	—	—	2
Colo.	—	2	135	8	4	3	1	—	5
N. Mex.	—	—	146	2	3	—	NA	—	—
Ariz.	1	—	342	1	7	—	—	—	—
Utah	—	—	61	6	3	2	2	—	2
Nev.	—	—	44	3	—	—	—	—	—
<b>Pacific</b>	<b>13</b>	<b>9</b>	<b>5,124</b>	<b>16</b>	<b>47</b>	<b>95</b>	<b>23</b>	<b>9</b>	<b>6</b>
Wash.	1	—	424	—	—	4	—	4	—
Oreg.	1	—	218	—	3	6	—	—	2
Calif.	11	6	4,279	11	44	80	23	2	4
Alaska	—	3	76	1	—	—	—	—	—
Hawaii	—	—	127	—	—	4	—	3	NN
Guam	—	—	55	—	—	1	—	—	—
P.R.	15	—	820	—	2	6	NA	—	—
V.I.	—	—	8	—	—	—	—	—	—
Pac. Trust Terr.	—	NN	NA	NN	NN	NN	NN	NN	NN
C.N.M.I.	—	—	NA	—	NN	NN	NN	NN	NN

<sup>1</sup> Includes 2 cases unknown origin.

## NOTIFIABLE DISEASES — Summary of reported cases by age, United States, 1980

Disease	Total	Under 1	1-4	5-9	10-14	15-19	20-24	25-29	30-39	40-49	50-59	60+	Age not stated
Cholera	10	—	1	2	—	1	—	1	2	1	1	1	—
Diphtheria	3	—	1	—	—	—	—	—	—	1	—	1	—
Gonorrhoea	1,004,029	( . . . )	11,084	( . . . )	( . . . )	247,239	379,456	203,121	125,976	26,994	( . . . )	10,159	( . . . )
Hepatitis A	29,087	54 <sup>1</sup>	735 <sup>1</sup>	2,371	1,927	3,326	5,577 <sup>1</sup>	4,723 <sup>1</sup>	4,548	1,812	1,347	1,472	859
Hepatitis B	19,015	38 <sup>1</sup>	72 <sup>1</sup>	114	183	2,264	5,131 <sup>1</sup>	3,510 <sup>1</sup>	3,291	1,321	1,071	1,157	777
Hepatitis, unspecified	11,894	30 <sup>1</sup>	279 <sup>1</sup>	867	742	1,353	2,304 <sup>1</sup>	1,765 <sup>1</sup>	1,650	817	613	798	330
Measles	13,506	631 <sup>1</sup>	1,897 <sup>1</sup>	2,570	3,704	3,126	613 <sup>1</sup>	161 <sup>1</sup>	139	28	7	7	471
Meningococcal infections, total	2,840	642 <sup>1</sup>	737 <sup>1</sup>	221	147	255	128 <sup>1</sup>	98 <sup>1</sup>	112	98	109	197	80
Military	20	—	—	—	—	7	—	1	—	1	—	—	4
Civilian	2,820	642 <sup>1</sup>	737 <sup>1</sup>	221	147	248	121 <sup>1</sup>	97 <sup>1</sup>	112	97	109	197	76
Mumps	8,576	40 <sup>1</sup>	668 <sup>1</sup>	1,454	1,198	347	88 <sup>1</sup>	69 <sup>1</sup>	86	33	34	25	4,520
Pertussis	1,730	890 <sup>1</sup>	374 <sup>1</sup>	118	93	41	11 <sup>1</sup>	31 <sup>1</sup>	12	2	1	2	132
Plague	18	—	1	7	2	1	—	—	1	3	3	—	—
Poliomyelitis, total	9	5	1	—	—	—	—	—	—	—	—	1	—
Paralytic	8	4	1	—	—	—	—	2	—	—	—	1	—
Rubella (German measles)	3,904	294 <sup>1</sup>	401 <sup>1</sup>	477	390	602	438 <sup>1</sup>	165 <sup>1</sup>	117	44	13	3	937
Salmonellosis	33,715	6,420 <sup>1</sup>	5,316 <sup>1</sup>	2,117	1,402	1,566	1,970 <sup>1</sup>	1,489 <sup>1</sup>	1,991	1,205	1,210	2,814	6,057
Shigellosis	19,041	844 <sup>1</sup>	5,196 <sup>1</sup>	2,500	860	638	1,100 <sup>1</sup>	1,080 <sup>1</sup>	1,271	565	345	503	3,692
Syphilis, primary & secondary	27,204	( . . . )	184	( . . . )	( . . . )	3,576	7,632	6,354	6,342	2,237	( . . . )	879	( . . . )
Tetanus	95	2	1	3	2	4	3	3	5	4	15	53	—
Tuberculosis	27,749	( . . . 893 . . . )	( . . . )	409	267	672	1,620	( . . . )	23,434	( . . . )	( . . . )	( . . . )	454
Typhoid fever	510	9 <sup>1</sup>	50 <sup>1</sup>	60	64	56	64 <sup>1</sup>	57 <sup>1</sup>	49	29	25	37	7

<sup>1</sup> Variation in reporting occurs in the age groups <5 and 20-29 in the state of Arizona, therefore, totals for these age groups do not include cases in which age breakdowns differ from the categories shown above. Refer to age tables in Part 2.

**NOTIFIABLE DISEASES — Deaths from specified notifiable diseases, United States, 1970-1979**  
(Numbers after cause of death are category numbers of the Ninth Revision of the International Classification of Diseases, 1975.)

Cause of Death	ICD	1979*	1978	1977	1976	1975	1974	1973	1972**	1971	1970
Amebiasis	006	NA	14	28	36	35	25	31	52	60	59
Anthrax	022	NA	—	—	—	—	—	—	—	—	—
Botulism, foodborne	005.1	NA	5	6	3	3	6	6	6	7	7
Brucellosis	023	NA	3	—	2	—	—	1	6	3	2
Chancroid	099.0	NA	—	—	—	—	—	—	—	—	—
Chickenpox	052	NA	91	89	106	83	106	138	122	98	93
Cholera	001	NA	—	—	—	—	—	—	—	—	—
Diphtheria	032	NA	4	5	7	5	5	10	10	13	30
Encephalitis, acute infectious	062-064,049.0	NA	185	206	253	386	276	326	266	320	327
Gonorrhoea	098	NA	9	1	1	1	1	11	8	9	9
Granuloma inguinale	099.2	NA	1	—	—	1	—	—	—	—	2
Hepatitis A	070.0,070.1	NA	508	508	567	612	630	656	778	906	1,014
Leprosy	030	NA	4	1	1	2	2	1	—	1	5
Leptospirosis	100	NA	5	8	12	7	5	6	10	6	4
Lymphogranuloma venereum	099.1	NA	—	—	—	2	2	2	4	2	1
Malaria	084	NA	5	3	4	4	4	7	—	6	5
Measles (rubeola)	055	—	11	15	12	20	20	23	24	90	89
Meningococcal infection	036	390	403	338	330	308	305	330	350	509	550
Mumps	072	NA	3	5	8	8	6	12	16	15	16
Pertussis (whooping cough)	033	20	6	10	7	8	14	5	6	18	12
Plague	020	NA	—	—	2	3	1	—	—	—	1
Poliomyelitis	045.0-045.9	20	13	16	16	9	3	10	2	18	7
Bulbar or poliomyelitis	045.0	NA	—	2	3	2	—	4	—	2	2
With other paralysis	045.1	NA	1	2	1	1	—	3	—	2	1
Non-paralytic	045.2	NA	—	—	—	—	—	—	—	—	—
Unspecified	045.9	NA	12	12	12	6	3	3	2	14	4
Psittacosis (ornithosis)	073	NA	1	—	—	—	—	1	—	—	1
Rabies	071	NA	2	—	1	—	—	1	2	2	2
Rheumatic fever, acute	390-392	NA	138	125	149	155	175	183	180	230	256
Rubella (German measles)	056	NA	10	17	12	21	15	16	14	20	31
Salmonellosis, including paratyphoid fever	002.1-002.9,003	NA	79	73	61	67	59	76	68	81	81
Shigellosis	004	NA	20	25	19	27	32	33	38	24	30
Syphilis	090-097	180	169	196	225	272	300	393	344	375	461
Tetanus	037	NA	32	24	32	45	44	40	58	64	79
Trichinosis	124	NA	—	—	1	—	—	1	2	4	1
Tuberculosis (all forms)	010-018	1,980	2,914	2,968	3,130	3,333	3,513	3,875	4,376	4,501	5,217
Tularemia	021	NA	—	2	2	—	2	4	—	2	2
Typhoid fever	002.0	NA	2	3	2	3	3	7	8	4	6
Typhus fever, flea-borne (endemic-murine)	081.0	NA	—	—	1	—	—	1	—	—	—
Typhus fever, tick-borne (Rocky Mountain spotted)	082.0	NA	30	43	41	29	49	38	50	36	29

\*Provisional data.

\*\*Based on 50% sample of death records.

Source: National Center for Health Statistics, *Vital Statistics of the United States, Vol. II, for 1970-1978; Monthly Vital Statistics Report, Provisional Statistics, Annual Summary for the United States, for 1979.*

Deaths are classified according to the Eighth Revision for 1970-1978 and according to the Ninth Revision for 1979.

## NOTIFIABLE DISEASES - Summary of reported cases, United States, 1971-1980

Disease	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971
U.S. total resident population (in thousands) 1980 census; July 1 est. 1971-1979	226,506	220,099	218,059	216,332	214,659	213,121	211,390	209,851	208,232	206,256
Amebiasis	5,271	4,107	3,937	3,044	2,906	2,775	2,743	2,235	2,199	2,752
Anthrax	1	—	6	—	2	2	2	2	2	5
Aseptic meningitis	8,028	8,754	6,573	4,789	3,510	4,475	3,197	4,846	4,634	5,176
Botulism, total	89	45	105	129	55	20	28	34	22	25
Foodborne	18	12	65	81	30	17	28	34	22	25
Infant	68	25	36	43	15	1	—	—	—	—
Brucellosis (undulant fever)	183	215	179	232	296	310	240	202	196	183
Chancroid	788	840	521	455	628	700	945	1,165	1,414	1,320
Chickenpox	190,894	199,081	154,089	188,396	183,990	154,248	141,495	182,927	164,114	160,000
Cholera	10	1	12	4	—	—	—	1	—	1
Diphtheria	3	59	76	84	128	307	272	228	152	215
Encephalitis, primary	264 <sup>1</sup>	312 <sup>2</sup>	290	341	530	2,362	206	163	161	338
Indeterminate	952 <sup>1</sup>	1,192 <sup>2</sup>	1,061	1,073	1,121	1,702	958	1,450	898	1,186
Post childhood infections	38 <sup>1</sup>	84 <sup>2</sup>	78	119	175	237	218	354	243	439
Gonorrhea	1,004,029	1,004,058 <sup>2</sup>	1,013,436	1,002,219	1,001,994	999,937	906,121	842,621	767,215	670,268
Granuloma inguinale	51	76	75	71	60	60	47	62	81	89
Hepatitis B	29,087	30,407	29,500	31,153	33,288	35,855	40,358	50,749	54,074	59,606
Hepatitis A	19,015	15,452	15,016	16,831	14,973	13,121	10,631	8,451	9,402	9,556
Hepatitis, unspecified	11,894	10,534	8,776	8,639	7,488	7,158	8,351	—	—	—
Legionellosis	441 <sup>1</sup>	578	761	359	235	—	—	—	—	—
Leprosy	223	185	168	151	145	162	118	146	130	131
Leptospirosis	85	94	110	71	73	93	68	57	41	62
Lymphogranuloma venereum	199	250	284	348	365	353	394	408	756	692
Malaria	2,062	894	731	547	471	373	293	237	742	2,375
Measles (rubeola)	13,506	13,597	26,871	57,345	41,126	24,374	22,094	26,690	32,275	75,290
Meningococcal infections, total	2,840	2,724	2,505	1,828	1,605	1,478	1,346	1,378	1,323	2,262
Mumps	8,576	14,225	16,817	21,436	38,492	59,647	59,128	69,612	74,215	124,939
Pertussis (whooping cough)	1,730	1,623	2,063	2,177	1,010	1,738	2,402	1,759	3,287	3,036
Plague	18	13	12	18	16	20	8	2	1	2
Poliomyelitis, total	9	34	15	18	14	8	8	8	31	21
Paralytic	8	26	9	17	12	8	7	7	29	17
Painful	124	137	140	94	78	49	164	33	52	32
Rabies, animal	6,421	5,119	3,254	3,130	3,073	2,627	3,151	3,640	4,369	4,310
Rabies, human	—	4	4	1	2	2	—	1	2	2
Rheumatic fever, acute	432	628	851	1,738	1,865	2,854	2,431	2,560	2,614	2,793
Rubella (German measles)	3,904	11,795	18,269	20,395	12,491	16,652	11,917	27,804	25,507	45,085
Rubella congenital syndrome	50	62	30	23	30	45	35	42	42	68
Salmonellosis, excluding typhoid fever	33,715	33,135	29,410	27,850	22,937	22,612	21,980	23,818	22,151	22,928
Shigellosis	19,041	20,135	19,511	16,052	13,140	16,584	22,600	22,642	20,207	16,143
Smallpox	—	—	—	—	—	—	—	—	—	—
Syphilis, primary and secondary	27,204	24,874	21,656	20,399	23,731	25,561	25,385	24,825	24,429	23,783
Total all stages	68,832	67,049	64,875	64,621	71,761	80,356	83,771	87,469	91,149	95,997
Tetanus	95	81	86	87	75	102	101	101	128	115
Trichinosis	131	157	67	143	115	252	120	102	89	103
Tuberculosis <sup>4</sup>	27,749	27,669	28,521	30,145	32,105	33,989	30,122	30,998	32,882	35,217
Tularemia	234	196	141	165	157	129	144	171	152	187
Typhoid fever (cases)	510	528	505	398	419	375	437	680	398	407
(Carriers)	62	71	62	—	—	—	NA	—	—	—
Typhus fever, flea-borne (endemic, murine)	81	69	46	75	69	411	26	32	18	23
Typhus fever, tick-borne (Rocky Mountain spotted)	1,163	1,070	1,063	1,153	937	844	754	668	523	432
Yellow fever	—	—	—	—	—	—	—	—	—	—

<sup>1</sup> Provisional data.<sup>2</sup> Corrected data.<sup>3</sup> Includes sporadic cases only.<sup>4</sup> Case data subsequent to 1974 are not comparable to prior years due to changes in reporting criteria which became effective in 1975.

\*Not previously notifiable nationally.



## NOTIFIABLE DISEASES - Summary of reported cases per 100,000 population, United States, 1971-1980

Disease	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971
Amebiasis	2.38	1.90	1.84	1.41	1.35	1.30	1.30	1.07	1.06	1.33
Anthrax	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Aseptic meningitis	3.61	4.05	3.01	2.24	1.64	2.10	1.53	2.33	2.23	2.51
Botulism, total	0.04	0.02	0.05	0.06	0.03	0.01	0.01	0.02	0.01	0.01
Foodborne	0.01	0.01	0.03	0.04	0.01	0.01	0.01	0.02	0.01	0.01
Infant	0.03	0.01	0.02	0.02	0.01	0.00	-	-	-	-
Brucellosis (undulant fever)	0.08	0.10	0.08	0.11	0.14	0.15	0.11	0.10	0.09	0.09
Chancroid	0.35	0.38	0.24	0.21	0.29	0.33	0.46	0.56	0.68	0.64
Chickenpox	96.69	102.93	80.42	97.63	96.06	78.11	72.20	97.68	87.34	...
Cholera	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diphtheria	0.00	0.03	0.03	0.04	0.06	0.14	0.13	0.11	0.07	0.10
Encephalitis, primary	0.13	0.15	0.13	0.16	0.25	1.11	0.10	0.08	0.08	0.16
Indeterminate	0.48	0.54	0.49	0.50	0.52	0.80	0.45	0.69	0.43	0.58
Post childhood infections	0.02	0.04	0.04	0.06	0.08	0.11	0.10	0.17	0.12	0.21
Gonorrhea	443.27	459.49	468.25	466.83	470.47	472.91	432.12	404.92	371.62	328.11
Granuloma inguinale	0.02	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.04	0.04
Hepatitis A	12.84	13.82	13.53	14.40	15.51	16.82	19.54	24.18	25.97	28.90
Hepatitis B	8.39	7.02	6.89	7.78	7.14	6.30	5.15	4.03	4.52	4.74
Hepatitis, unspecified	5.25	4.79	4.02	3.99	3.57	3.44	3.95	...	...	...
Legionellosis	0.19	0.26	0.35	0.17	0.11	...	...	...	...	...
Leprosy	0.10	0.08	0.08	0.07	0.07	0.08	0.06	0.07	0.06	0.06
Leptospirosis	0.04	0.04	0.05	0.03	0.03	0.04	0.03	0.03	0.02	0.03
Lymphogranuloma venereum	0.09	0.11	0.13	0.16	0.17	0.17	0.19	0.20	0.37	0.34
Malaria	0.91	0.41	0.34	0.25	0.22	0.18	0.14	0.11	0.36	1.15
Measles (rubeola)	5.96	6.18	12.32	26.51	19.16	11.44	10.45	12.72	15.50	36.50
Meningococcal infections, total	1.25	1.24	1.16	0.84	0.75	0.69	0.64	0.66	0.64	1.10
Mumps	3.86	6.55	7.81	10.02	17.93	27.99	29.00	36.23	38.42	65.33
Pertussis (whooping cough)	0.76	0.74	0.95	1.02	0.47	0.82	1.15	0.84	1.58	1.47
Plague	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00
Poliomyelitis, total	0.00	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.01	0.01
Paralytic	0.00	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.01	0.01
Psittacosis	0.05	0.06	0.06	0.04	0.04	0.02	0.08	0.02	0.02	0.02
Rabies, human	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rheumatic fever, acute	0.30	0.44	0.60	1.23	1.32	2.01	1.79	1.92	2.01	2.16
Rubella (German measles)	1.72	5.36	8.38	9.43	5.82	7.81	5.64	13.25	12.25	21.86
Rubella congenital syndrome**	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02
Salmonellosis, excluding typhoid fever	14.88	15.06	13.49	12.87	10.74	10.61	10.40	11.35	10.64	10.63
Shigellosis	8.41	9.15	8.95	7.42	6.15	7.78	10.69	10.79	9.70	7.83
Smallpox	Last documented case occurred in 1949									
Syphilis, primary and secondary	12.01	11.38	10.00	9.50	11.14	12.09	11.93	11.93	11.83	11.64
Total all stages	30.39	30.68	30.00	30.10	33.69	38.00	39.95	42.03	44.15	46.99
Tetanus	0.04	0.04	0.04	0.04	0.03	0.05	0.05	0.05	0.06	0.06
Trichinosis	0.06	0.07	0.03	0.07	0.05	0.12	0.06	0.05	0.04	0.05
Tuberculosis	12.25	12.57	13.08	13.93	14.96	15.95	14.25	14.77	15.79	17.07
Tularemia	0.10	0.09	0.06	0.08	0.07	0.06	0.07	0.08	0.07	0.09
Typhoid fever (cases)	0.23	0.24	0.23	0.18	0.20	0.18	0.21	0.32	0.19	0.20
(Carriers)	0.03	0.03	0.03	...	...	NA	...	...	...	...
Typhus fever, flea-borne (endemic, murine)	0.04	0.03	0.02	0.04	0.03	0.02	0.01	0.02	0.01	0.01
Typhus fever, tick-borne (Rocky Mountain spotted)	0.52	0.49	0.49	0.53	0.44	0.40	0.36	0.32	0.25	0.21
Yellow fever	Last indigenous case reported 1911; last imported, 1924									

Note: Rates less than 0.01 after rounding are shown as 0.00.

Population data from those states where diseases were not notifiable (NN) were excluded from rate calculation. Civilian resident population used for chancroid, gonorrhea, granuloma inguinale, lymphogranuloma venereum, and syphilis.

\*Not previously notifiable nationally.

\*\*Per 1,000 live births.

NOTIFIABLE DISEASES - Summary of reported cases, United States, 1961-1970

Disease	1970	1969	1968	1967	1966	1965	1964	1963	1962	1961
U.S. total resident population, July 1 estimate (in thousands)	203,805	201,385	199,399	197,457	195,576	193,526	191,141	188,483	185,771	182,992
Amebiasis	2,888	2,915	3,005	3,157	2,921	2,768	3,304	2,886	3,048	2,850
Anthrax	2	4	3	2	5	7	5	3	9	14
Aseptic meningitis	6,480	3,672	4,494	3,082	3,058	2,329	2,177	1,844	2,654	5,162
Botulism	12	16	7	5	9	19	23	47	10	14
Brucellosis (undulant fever)	213	235	218	265	262	262	411	407	409	636
Chancroid	1,416	1,104	845	784	838	982	1,247	1,220	1,344	1,438
Cholera	-	-	-	-	-	2	-	-	-	-
Diphtheria	435	241	260	219	209	164	293	314	444	617
Encephalitis, primary	1,580	1,613	1,781	1,478	2,121	1,722	2,002	1,993	2,094	2,248
Encephalitis, post-infectious	370	304	502	1,060	964	981	1,585	-	-	-
Gonorrhea	600,072	534,872	464,543	404,836	351,738	324,925	300,666	278,289	263,714	264,158
Granuloma inguinale	124	154	156	154	148	155	135	173	207	241
Hepatitis, serum	8,310	5,909	4,829	2,458	1,497	-	-	-	-	-
Hepatitis, infectious	56,797	48,416	45,893	38,909	32,859	33,856	37,740	42,974	53,016	72,651
Leprosy	129	98	123	81	109	96	97	103	80	63
Leptospirosis	47	89	69	67	72	84	142	89	79	71
Lymphogranuloma venereum	612	520	485	371	308	878	732	586	590	787
Malaria	3,051	3,102	2,317	2,022	565	147	93	99	118	73
Measles (rubeola)	47,351	25,826	22,231	62,705	204,136	261,904	458,083	385,156	481,530	423,919
Meningococcal infections	2,505	2,951	2,623	2,161	3,381	3,040	2,826	2,470	2,150	2,232
Mumps	104,953	90,918	152,209	-	-	-	-	-	-	-
Pertussis (whooping cough)	4,249	3,285	4,810	9,718	7,717	6,799	13,005	17,135	17,749	11,468
Plague	13	5	3	3	5	8	-	1	-	3
Poliomyelitis, total	33	20	53	41	113	72	122	449	910	1,312
Paralytic	31	18	53	40	106	61	106	396	762	988
Prioniasis	35	57	43	41	50	60	53	76	79	102
Rabies, animal	3,224	3,490	3,591	4,481	4,178	4,574	4,780	3,929	3,732	3,599
Rabies, human <sup>1</sup>	3	1	1	2	1	2	1	1	2	3
Rheumatic fever, acute	3,227	3,229	3,470	3,985	4,472	4,998	7,491	7,561	7,977	10,470
Rubella (German measles)	56,552	57,686	49,371	46,888	46,975	-	-	-	-	-
Rubella congenital syndrome	77	31	14	10	11	-	-	-	-	-
Salmonellosis, excluding typhoid fever	22,096	18,419	16,514	18,120	16,841	17,161	17,144	15,390	9,680	8,542
Shigellosis (bacillary dysentery)	13,845	11,946	12,180	13,474	11,888	11,027	12,984	13,009	12,443	12,571
Smallpox	-	-	-	-	-	-	-	-	-	-
Streptococcal sore throat and scarlet fever	NN	450,008	435,013	453,351	427,752	395,168	402,334	342,161	315,809	338,410
Syphilis, primary and secondary	21,982	19,130	19,019	21,053	21,414	23,338	22,969	22,251	21,067	19,851
Total, all stages	91,382	92,162	96,271	102,581	105,159	112,842	114,325	124,137	126,245	124,658
Tetanus	148	192	178	263	235	300	289	325	322	379
Trichinosis	109	215	77	66	115	199	198	208	194	306
Tuberculosis (newly reported active cases)	37,137	39,120	42,623	45,647	47,767	49,016	50,874	54,042	53,315	53,726
Tularemia	172	149	186	184	208	264	342	327	328	365
Typhoid fever	346	364	395	396	378	454	501	566	608	814
Typhus fever, flea-borne (endemic, murine)	27	36	36	52	33	28	30	35	32	46
Typhus fever, tick-borne (Rocky Mountain spotted)	380	498	298	305	268	281	277	216	240	219
Yellow fever	-	-	-	-	-	-	-	-	-	-

Last indigenous case reported 1911, last imported 1924

<sup>1</sup> Registered deaths, 1961. <sup>2</sup> Not previously notifiable nationally.

**NOTIFIABLE DISEASES — Summary of reported cases, United States, 1951-1960**  
(Figures exclude Alaska 1951-1958 and Hawaii, 1951-1959.)

Disease	1960	1959	1958	1957	1956	1955	1954	1953	1952	1951	
U.S. total resident population, July 1 estimate (in thousands)	179,979	176,513	173,320	170,371	167,306	164,308	161,164	158,242	155,687	153,310	
Amebiasis	3,424	3,508	4,380	5,031	3,689	3,348	3,523	4,444	4,280	3,550	
Anthrax	23	12	16	26	38	39	22	45	47	60	
Aseptic meningitis	1,593										
Botulism	12	20	6	28	17	16	18	18	18	33	
Brucellosis (undulant fever)	751	892	924	983	1,300	1,444	1,823	2,032	2,537	3,139	
Chancroid	1,680	1,537	1,595	1,637	2,135	2,649	3,003	3,338	3,738	4,233	
Cholera	—	—	—	—	—	—	—	—	—	—	
Dengue	—	—	—	—	2	1	6	8	5	16	
Diphtheria	918	934	918	1,211	1,568	1,984	2,041	2,355	2,960	3,983	
Encephalitis, acute infectious	2,341	2,437	2,587	2,135	2,624	2,166	2,606	1,935	1,912	1,123	
Gonorrhoea	258,933	240,254	232,386	214,496	224,346	236,197	242,050	238,340	244,957	254,470	
Granuloma inguinale	296	265	314	348	357	490	618	667	951	1,352	
Hepatitis, infectious and serum	41,666	23,574	16,294	14,922	19,234	31,961	50,093	33,700	17,428	7,349	
Leprosy	54	44	39	36	52	75	56	60	57	57	
Leptospirosis	53	83	55	47	44	24	48	42	62	9	
Lymphogranuloma venereum	835	604	434	448	500	762	875	983	1,200	1,300	
Malaria	72	71	85	132	234	522	715	1,310	7,023	5,600	
Measles (rubeola)	441,703	406,162	763,094	486,799	611,936	555,156	682,720	449,146	683,077	530,118	
Meningococcal infections	2,259	2,180	2,581	2,691	2,735	3,455	4,436	5,077	4,884	4,164	
Pertussis (whooping cough)	14,809	40,005	32,148	28,295	31,732	62,786	60,886	37,129	45,030	68,687	
Plague	2	4	—	1	1	—	—	—	—	1	
Poliomyelitis	3,190	8,425	5,787	5,485	15,140	28,985	38,476	35,592	57,879	28,386	
Paralytic	2,525	6,289	3,697	2,499	7,911	13,850	18,308	15,648	21,269	10,037	
Psittacosis	113	147	158	278	568	334	563	169	135	25	
Rabies, human <sup>1</sup>	2	7	5	5	10	4	13	12	24	18	
Rabies, animal <sup>2</sup>	3,567	4,177	4,787	4,542	5,681	5,799	7,297	8,903	8,445	8,008	
Rheumatic fever, acute	9,022	8,285	6,889	6,427	6,562						
Salmonellosis, excluding typhoid fever	6,929	6,266	6,363	6,693	6,704	5,447	5,375	3,946	2,596	1,773	
Shigellosis	12,487	12,888	11,861	9,822	10,306	13,912	13,846	16,533	23,197	32,215	
Smallpox				Last documented case occurred in 1949.							
Streptococcal sore throat and scarlet fever	315,173	334,715	264,097	226,973	176,392	147,502	147,785	132,935	113,677	84,151	
Syphilis, primary and secondary	16,145	9,799	7,176	6,576	6,392	6,454	7,147	8,637	10,449	14,485	
Total, all stages	122,538	120,824	113,884	123,758	130,201	122,392	130,697	148,573	167,762	174,924	
Tetanus	368	445	445	447	468	462	524	506	484	506	
Trichinosis	160	227	176	178	262	264	277	395	367	393	
Tuberculosis <sup>3</sup>	55,494	57,535	63,534	67,149	69,895	77,368	79,775	84,304	86,700	118,491	
Tularemia	390	459	587	601	522	584	681	601	668	702	
Typhoid fever	816	859	1,043	1,231	1,700	1,704	2,169	2,252	2,341	2,128	
Typhus fever, flea-borne (endemic, murine)	68	51	71	113	98	135	163	221	205	378	
Typhus fever, tick-borne (Rocky Mountain spotted)	204	199	243	240	293	295	294	313	327	347	
Yellow fever											

<sup>1</sup> Registered deaths.

<sup>2</sup> Data from Agricultural Research Service, U.S. Department of Agriculture, 1950-1951.

<sup>3</sup> Includes newly reported active and inactive cases 1951; new active cases, 1952-1960.

Last indigenous case reported 1911; last imported, 1924

<sup>\*</sup>Not previously notifiable nationally.

## NOTIFIABLE DISEASES – Summary of reported cases, United States, 1941-1950

Disease	1950	1949	1948	1947	1946	1945	1944	1943	1942	1941
U.S. total resident population, July 1 estimate (in thousands)	151,235	148,665	146,093	143,446	140,054	132,481	132,885	134,245	133,920	133,121
Amebiasis	4,568	5,543	4,871	3,365	4,093	3,412	3,241	3,329	2,721	3,201
Anthrax	49	54	60	69	40	40	49	72	94	104
Botulism	20	24	39	44			NA			
Brucellosis (undulant fever)	3,510	4,235	4,991	6,321	5,887	5,049	4,436	3,733	3,228	3,484
Chancroid <sup>1</sup>	4,977	6,707	7,661	9,515	7,091	5,515	7,878	8,354	5,477	3,384
Cholera	—	—	—	—	—	—	—	—	—	—
Dengue	26	46	24	35	40	106	61	123	171	600
Diphtheria	5,796	7,969	9,493	12,262	16,354	18,675	14,150	14,811	16,260	17,987
Encephalitis, acute infectious	1,135	903	730	785	728	785	788	771	666	3,516
Gonorrhoea <sup>1</sup>	286,746	317,950	345,501	380,666	368,020	287,181	300,676	275,070	212,403	193,468
Granuloma inguinale <sup>1</sup>	1,783	2,402	2,469	2,330	2,232	1,857	1,759	1,748	1,278	639
Hepatitis, infectious	2,820	2,027	709				NA			
Leprosy	44	41	63	56	43	40	37	35	70	NA
Leptospirosis	30	17	18				NA			
Lymphogranuloma venereum <sup>1</sup>	1,427	1,925	2,429	2,526	2,603	2,631	2,858	2,593	1,888	1,381
Malaria	2,184	4,151	9,606	15,116	48,610	62,763	57,626	54,554	60,077	68,074
Measles	319,124	625,281	615,104	222,375	695,843	146,013	630,291	633,627	547,413	894,134
Meningococcal infections	3,788	3,519	3,376	3,420	5,693	8,208	16,312	18,223	3,823	2,006
Pertussis (whooping cough)	120,718	69,479	74,715	156,517	109,860	133,792	109,873	191,890	191,383	222,202
Plague	3	3	—	1	—	—	1	1	1	2
Poliomyelitis, acute	33,300	42,033	27,726	10,827	25,698	13,624	19,029	12,450	4,167	9,086
Psittacosis	26	35	32	27	26	27	6	1	23	11
Rabies, human <sup>2</sup>	18	10	24	26	34	43	56	47	36	39
Rabies, animal <sup>3</sup>	7,901	7,587	8,495	8,920	10,850	9,928	10,487	9,649	7,137	7,847
Rheumatic fever										
Salmonellosis	1,233					NA				
Shigellosis (bacillary dysentery)	23,367	29,080	23,753	17,048	24,286	34,943	38,230	31,590	25,572	18,972
Smallpox	—	49	57	176	337	346	397	765	865	1,396
Streptococcal sore throat and scarlet fever	64,494	87,220	91,295	93,595	125,511	185,570	200,539	150,362	135,755	139,424
Syphilis, primary and secondary <sup>4</sup>	23,939	41,942	68,174	93,545	94,957	77,007	78,443	82,204	75,312	68,231
Total, all stages <sup>1</sup>	217,558	256,463	314,313	355,592	363,647	359,114	467,755	575,593	479,601	485,560
Tetanus	486	579	601	560			NA			
Trichinosis	327	353	487	451			NA			
Tuberculosis <sup>4</sup>	121,742	134,865	137,006	134,946	119,256	114,931	126,294	120,253	117,204	105,567
Tularemia	927	1,179	1,086	1,401	1,355	900	781	966	1,024	1,530
Typhoid fever <sup>5</sup>	2,484	2,795	2,840	3,075	3,268	4,211	4,599	4,690	5,595	8,601
Typhus fever, flea-borne (endemic, murine)	685	985	1,171	2,050	3,365	5,183	5,401	4,528	3,736	2,784
Typhus fever, tick-borne (Rocky Mountain spotted)	464	570	547	596	587	472	470	473	498	516
Yellow fever										

Last indigenous case reported 1911; last imported, 1924

<sup>1</sup> Data reported for fiscal years 1941-1946; calendar years 1947-1950.

<sup>2</sup> Registered deaths.

<sup>3</sup> Data from Bureau of Animal Industry, U.S. Department of Agriculture, Agricultural Research Administration.

<sup>4</sup> Includes newly reported active and inactive cases.

<sup>5</sup> Includes cases of paratyphoid for 1941.

**NOTIFIABLE DISEASES — Summary of reported cases, United States, 1931-1940**

Disease	1940	1939	1938	1937	1936	1935	1934	1933	1932	1931
U.S. total resident population, July 1 estimate (in thousands)	131,954	130,880	129,825	128,825	128,053	127,250	126,374	125,579	124,840	124,040
Amebiasis	3,033	3,001	2,297	2,049	1,618	1,619	2,583	1,986	NA	65
Anthrax	76	54	52	65	77	61	65	59	48	65
Botulism					NA					
Brucellosis (undulant fever)	3,310	3,501	4,379	2,676	2,099	2,008	2,017	1,788	1,520	1,575
Chancroid					NA					
Cholera	—	—				NA				
Dengue	66	144	250	350	227	582	5,457	304	146	201
Diphtheria	15,536	24,053	30,508	28,536	30,018	39,226	43,156	50,462	59,879	70,839
Encephalitis, acute infectious	1,030	928	1,073	1,030	830	1,047	1,509	3,340	702	656
Gonorrhœa <sup>1</sup>	175,841	182,314	198,439	182,460	163,465	162,763	153,542	149,823	154,051	155,895
Granuloma inguinale						NA				
Hepatitis, infectious						NA				
Leprosy						NA				
Leptospirosis						NA				
Lymphogranuloma venereum						NA				
Malaria	78,129	82,654	84,205	108,459	133,927	137,513	133,226	125,556	68,613	70,362
Measles	291,162	403,317	822,811	321,510	299,614	743,856	799,455	400,894	403,493	474,879
Meningococcal infections	1,653	1,972	2,859	5,484	7,320	5,873	2,470	2,913	3,154	5,517
Pertussis (whooping cough)	183,866	183,188	227,319	214,652	147,237	180,518	265,269	179,135	215,343	172,559
Plague	1	1	—	2	4	—	2	1	—	—
Poliomyelitis, acute	9,804	7,343	1,705	9,514	4,523	10,839	7,510	5,043	3,820	15,872
Psittacosis						NA				
Rabies, human <sup>2</sup>	41	40	66	59	73	77	80	65	54	55
Rabies, animal <sup>3</sup>	7,210	9,365	6,816	6,632	4,853	5,022	5,455	4,099	2,278	2,537
Rheumatic fever						NA				
Salmonellosis						NA				
Shigellosis (bacillary dysentery)	17,501	16,537	15,886				NA			
Smallpox	2,795	9,877	14,939	11,673	7,834	7,957	5,371	6,491	11,224	30,233
Streptococcal sore throat and scarlet fever	165,766	173,162	198,428	236,361	250,487	268,542	227,495	218,966	215,613	206,299
Syphilis										
Total, all stages <sup>4</sup>	472,900	478,738	480,140	336,258	267,717	255,856	231,129	238,656	242,128	229,720
Tetanus						NA				
Trichinosis						NA				
Tuberculosis <sup>5</sup>	102,984	103,922	107,021	112,394	107,086	111,856	113,020	114,412	121,961	124,858
Tularemia	1,620	2,291	2,088	960	891	782	917	895	945	675
Typhoid fever <sup>5</sup>	9,809	13,069	14,903	16,033	15,898	18,355	22,217	23,349	26,666	26,548
Typhus fever, flea-borne (endemic, murine)	1,878	2,996	2,294	2,394	1,733	1,287	1,375	2,070	956	333
Typhus fever, tick-borne (Rocky Mountain spotted)	457	559	434	432	365	492	456	471	443	262
Yellow fever										

Last indigenous case reported 1911; last imported, 1924

<sup>1</sup> Data reported for fiscal years.

<sup>2</sup> Registered deaths.

<sup>3</sup> Data from Bureau of Animal Industry, U.S. Department of Agriculture, Agricultural Research Administration.

<sup>4</sup> Includes newly reported active and inactive cases.

<sup>5</sup> Includes cases of paratyphoid.



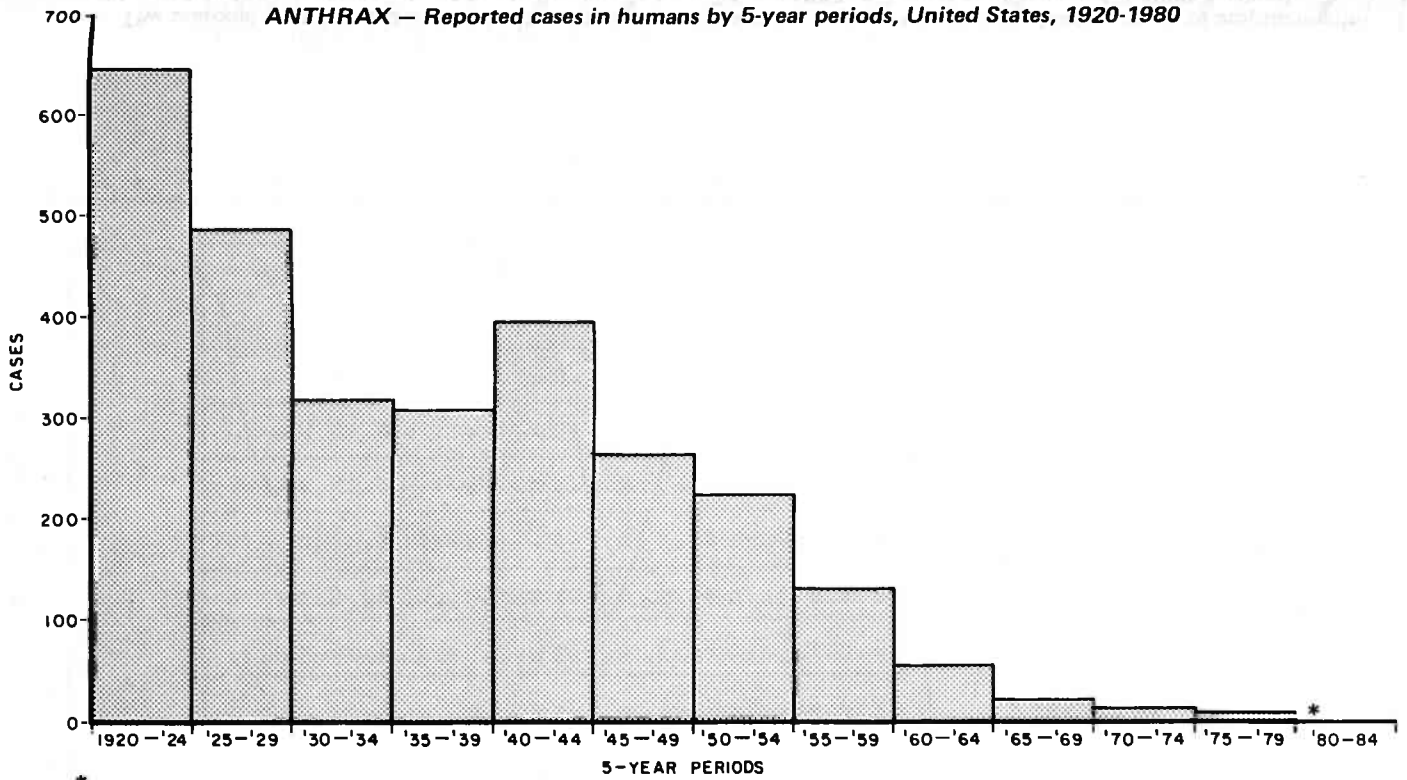
# **PART 2:**

## **Statistical Tables, Graphs, Maps, and Narratives for Notifiable Diseases in the United States**





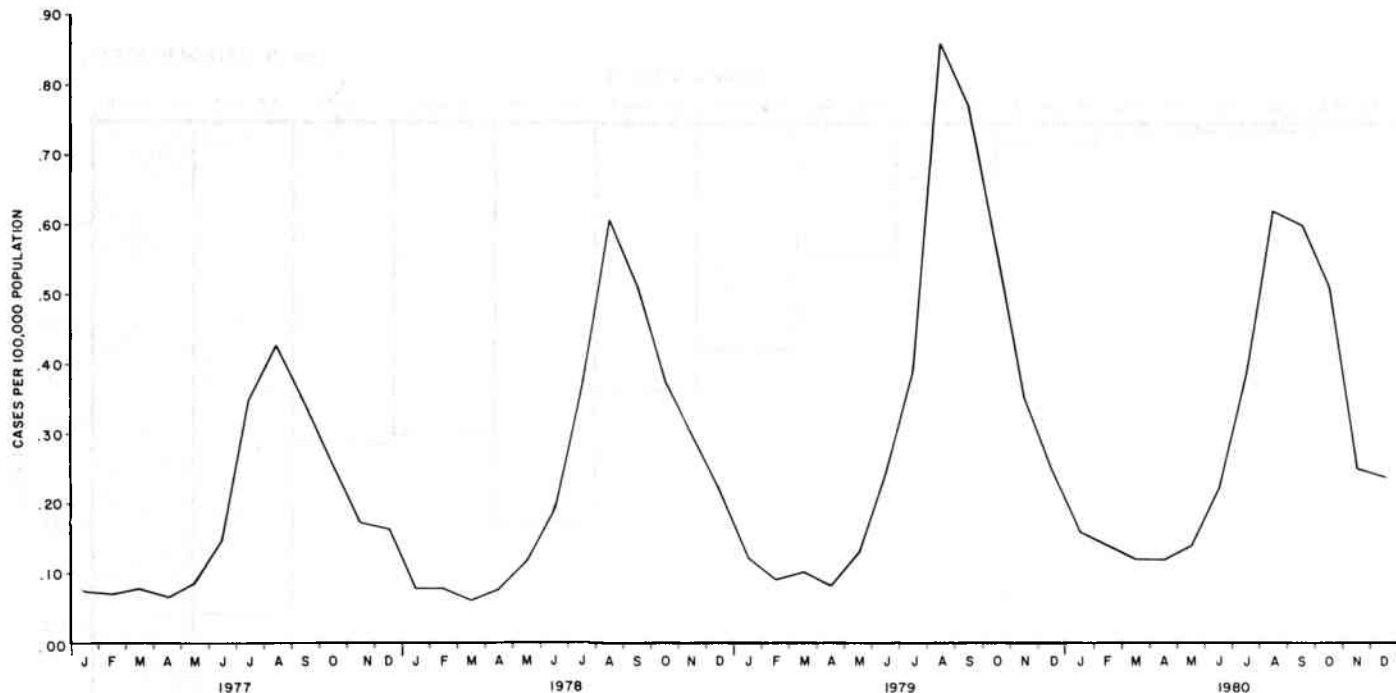
**ANTHRAX – Reported cases in humans by 5-year periods, United States, 1920-1980**



\*1 CASE REPORTED IN 1980

The single reported case of anthrax for 1980 occurred in a 30-year-old rendering-plant worker in Colorado. Anthrax was diagnosed in cattle in the vicinity of the rendering plant, and carcasses from involved premises were processed at the plant.

## ASEPTIC MENINGITIS — Reported case rates by month, United States, 1977-1980



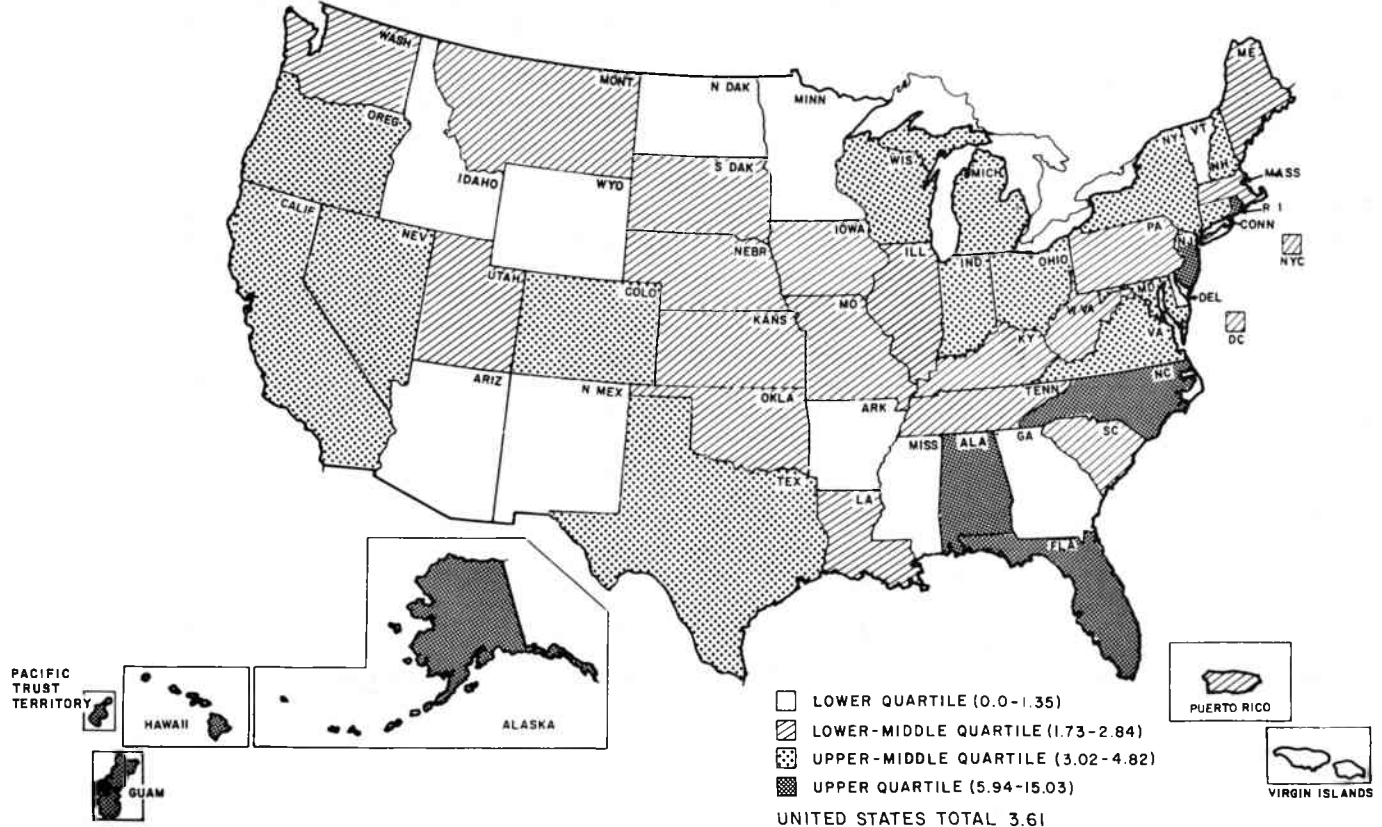
The seasonal pattern of the curve reflects the increased activity of enteroviruses, the leading cause of aseptic meningitis, during the warmer months. After increasing each year from 1977, the number of reports for 1980 declined.

# ASEPTIC MENINGITIS

ASEPTIC MENINGITIS — Reported cases by state and by month, United States, 1980

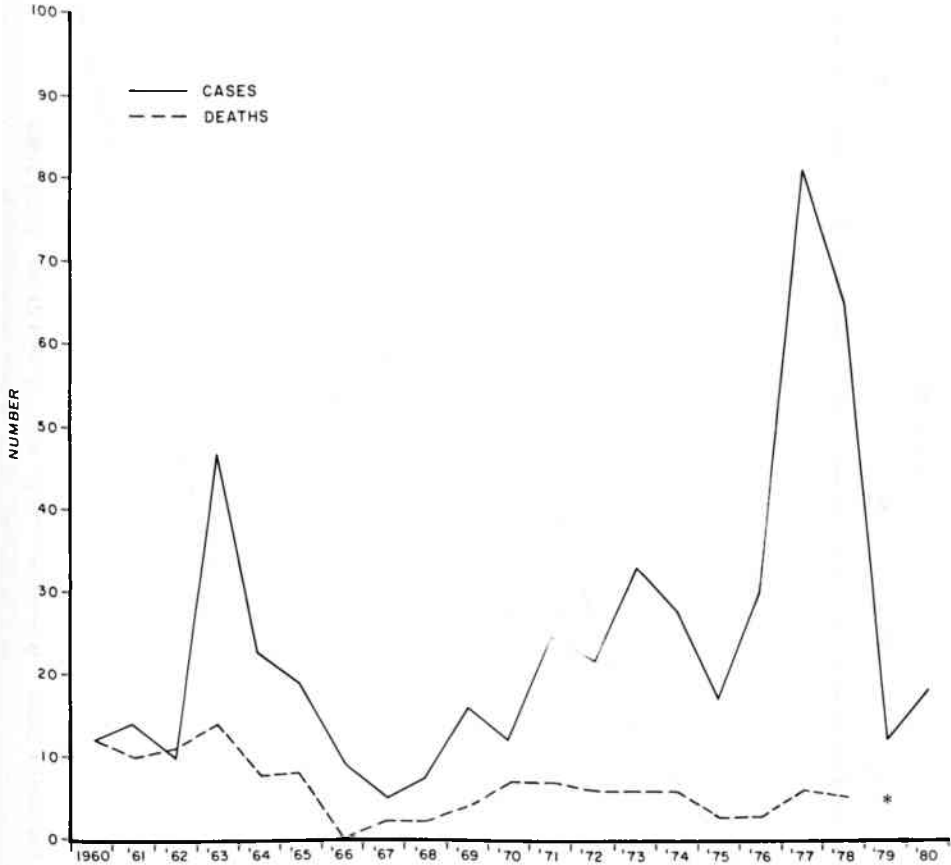
State	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
<b>United States</b>	<b>8,028</b>	<b>344</b>	<b>307</b>	<b>264</b>	<b>277</b>	<b>318</b>	<b>496</b>	<b>897</b>	<b>1,418</b>	<b>1,364</b>	<b>1,153</b>	<b>574</b>	<b>555</b>	<b>61</b>
<b>New England</b>	<b>406</b>	<b>14</b>	<b>13</b>	<b>8</b>	<b>10</b>	<b>13</b>	<b>16</b>	<b>40</b>	<b>78</b>	<b>84</b>	<b>66</b>	<b>37</b>	<b>27</b>	<b>—</b>
Maine	21	—	2	—	1	1	1	3	8	2	1	1	—	—
N. H.	28	—	—	—	4	—	3	2	5	6	1	1	—	—
Vt.	5	—	—	1	—	—	—	—	1	—	—	1	—	—
Mass.	149	4	3	4	2	4	5	7	30	42	30	11	7	—
R.I.	109	4	4	1	2	5	4	24	25	21	16	1	2	—
Conn.	94	6	3	2	1	3	3	6	14	5	13	22	16	—
<b>Mid. Atlantic</b>	<b>1,379</b>	<b>44</b>	<b>65</b>	<b>25</b>	<b>32</b>	<b>49</b>	<b>55</b>	<b>162</b>	<b>276</b>	<b>310</b>	<b>175</b>	<b>84</b>	<b>65</b>	<b>37</b>
N.Y. (excl. NYC)	376	9	24	3	9	8	16	16	56	89	78	35	33	—
N.Y.C.	178	12	27	9	4	5	5	9	20	34	22	19	12	—
N. J.	511	20	8	9	18	25	24	94	128	95	59	19	12	—
Pa.	314	3	6	4	1	11	10	43	72	92	16	11	8	37
<b>E.N. Central</b>	<b>1,334</b>	<b>30</b>	<b>34</b>	<b>21</b>	<b>34</b>	<b>29</b>	<b>81</b>	<b>193</b>	<b>319</b>	<b>268</b>	<b>210</b>	<b>58</b>	<b>51</b>	<b>6</b>
Ohio	390	1	5	4	2	7	19	83	109	95	43	14	8	—
Ind.	203	5	2	4	6	11	23	36	52	23	19	18	4	—
Ill.	233	2	8	5	8	5	17	31	59	46	33	5	14	—
Mich.	360	19	17	5	11	6	14	23	63	60	102	18	22	—
Wis.	148	3	2	3	7	—	8	20	36	44	13	3	3	6
<b>W.N. Central</b>	<b>291</b>	<b>23</b>	<b>9</b>	<b>20</b>	<b>18</b>	<b>10</b>	<b>14</b>	<b>17</b>	<b>51</b>	<b>47</b>	<b>58</b>	<b>8</b>	<b>16</b>	<b>—</b>
Minn.	(	—	—	—	—	—	—	—	—	—	—	—	—	)
Iowa	77	4	2	1	1	3	2	2	15	10	25	3	9	—
Mo.	116	14	5	15	11	4	5	6	23	8	19	3	3	—
N. Dak.	1	—	—	—	—	—	—	—	—	1	—	—	—	—
S. Dak.	13	1	2	—	2	—	2	1	—	5	—	—	—	—
Nebr.	33	—	—	—	—	1	2	3	5	13	6	1	2	—
Kans.	51	4	—	4	4	2	3	5	8	10	8	1	2	—
<b>S. Atlantic</b>	<b>1,485</b>	<b>69</b>	<b>40</b>	<b>59</b>	<b>71</b>	<b>88</b>	<b>109</b>	<b>180</b>	<b>233</b>	<b>234</b>	<b>195</b>	<b>111</b>	<b>78</b>	<b>18</b>
Del.	1	—	—	—	—	—	—	—	—	—	—	—	—	—
Md.	163	3	6	4	5	4	10	28	43	24	21	11	4	—
D.C.	11	1	1	1	—	1	1	1	2	1	—	2	—	—
Va.	188	12	2	6	4	7	3	21	41	41	24	16	11	—
W. Va.	35	3	1	2	—	—	—	3	2	10	13	1	—	—
N.C.	349	19	5	6	4	7	17	40	73	70	55	34	19	—
S.C.	60	4	2	2	2	2	3	10	12	10	9	2	2	—
Ga.	24	—	—	—	—	—	—	—	—	3	14	3	4	—
Fla.	654	26	23	38	56	67	75	77	60	75	59	42	38	18
<b>E.S. Central</b>	<b>787</b>	<b>18</b>	<b>22</b>	<b>15</b>	<b>17</b>	<b>13</b>	<b>51</b>	<b>55</b>	<b>184</b>	<b>171</b>	<b>101</b>	<b>53</b>	<b>87</b>	<b>—</b>
Ky.	102	7	8	3	5	3	3	1	12	28	4	22	6	—
Tenn.	114	7	2	6	5	3	9	6	18	24	17	10	7	—
Ala.	537	4	11	6	5	7	35	44	148	115	76	17	69	—
Miss.	34	—	1	—	2	—	4	4	6	4	4	4	5	—
<b>W.S. Central</b>	<b>616</b>	<b>20</b>	<b>39</b>	<b>27</b>	<b>18</b>	<b>29</b>	<b>63</b>	<b>66</b>	<b>85</b>	<b>58</b>	<b>76</b>	<b>80</b>	<b>55</b>	<b>—</b>
Ark.	16	—	—	4	2	—	—	3	3	1	1	2	—	—
La.	82	1	10	2	1	7	14	9	10	7	12	2	7	—
Okla.	86	3	3	4	2	4	6	9	4	4	14	21	12	—
Texas	432	16	26	17	13	18	43	45	68	46	49	55	36	—
<b>Mountain</b>	<b>241</b>	<b>11</b>	<b>7</b>	<b>8</b>	<b>7</b>	<b>12</b>	<b>7</b>	<b>39</b>	<b>30</b>	<b>31</b>	<b>41</b>	<b>28</b>	<b>20</b>	<b>—</b>
Mont.	18	1	—	—	1	2	—	2	6	1	—	2	3	—
Idaho	10	—	—	1	—	—	1	1	4	1	—	—	1	—
Wyo.	3	—	—	—	—	—	—	—	1	—	—	1	—	—
Colo.	99	4	—	4	4	6	5	22	10	19	17	5	3	—
N. Mex.	17	3	1	—	—	2	1	1	—	—	9	—	—	—
Ariz.	27	2	4	—	—	—	—	9	3	—	3	3	3	—
Utah	30	—	—	2	—	2	—	1	6	6	5	7	3	—
Nev.	37	1	2	1	2	—	—	2	1	3	6	10	7	—
<b>Pacific</b>	<b>1,489</b>	<b>115</b>	<b>78</b>	<b>81</b>	<b>70</b>	<b>75</b>	<b>100</b>	<b>145</b>	<b>162</b>	<b>161</b>	<b>231</b>	<b>115</b>	<b>156</b>	<b>—</b>
Wash.	81	6	1	4	3	2	5	18	9	8	11	10	4	—
Oreg.	99	7	1	3	—	17	9	9	10	11	9	15	8	—
Calif.	1,140	71	63	64	57	31	70	102	123	135	207	80	137	—
Alaska	24	—	1	2	—	1	3	4	8	4	1	—	—	—
Hawaii	145	31	12	8	10	24	13	12	12	3	3	10	7	—
Guam	9	—	1	—	2	1	—	1	1	2	1	—	—	—
P.R.	65	4	2	12	4	6	5	2	1	11	5	9	4	—
V.I.	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pac. Trust Terr.	16	3	1	—	2	—	2	1	—	3	4	—	—	—
C.N.M.I.	—	—	—	—	—	—	—	—	—	—	—	—	—	—

## ASEPTIC MENINGITIS – Reported cases per 100,000 population by state, United States, 1980



Variations in the incidence rates from state to state are influenced by epidemic patterns, particularly the occurrence of enteroviral outbreaks. Dissimilar rates may also reflect dissimilar reporting practices.

**BOTULISM (Foodborne) – Reported cases and deaths by year,  
United States, 1960-1980**

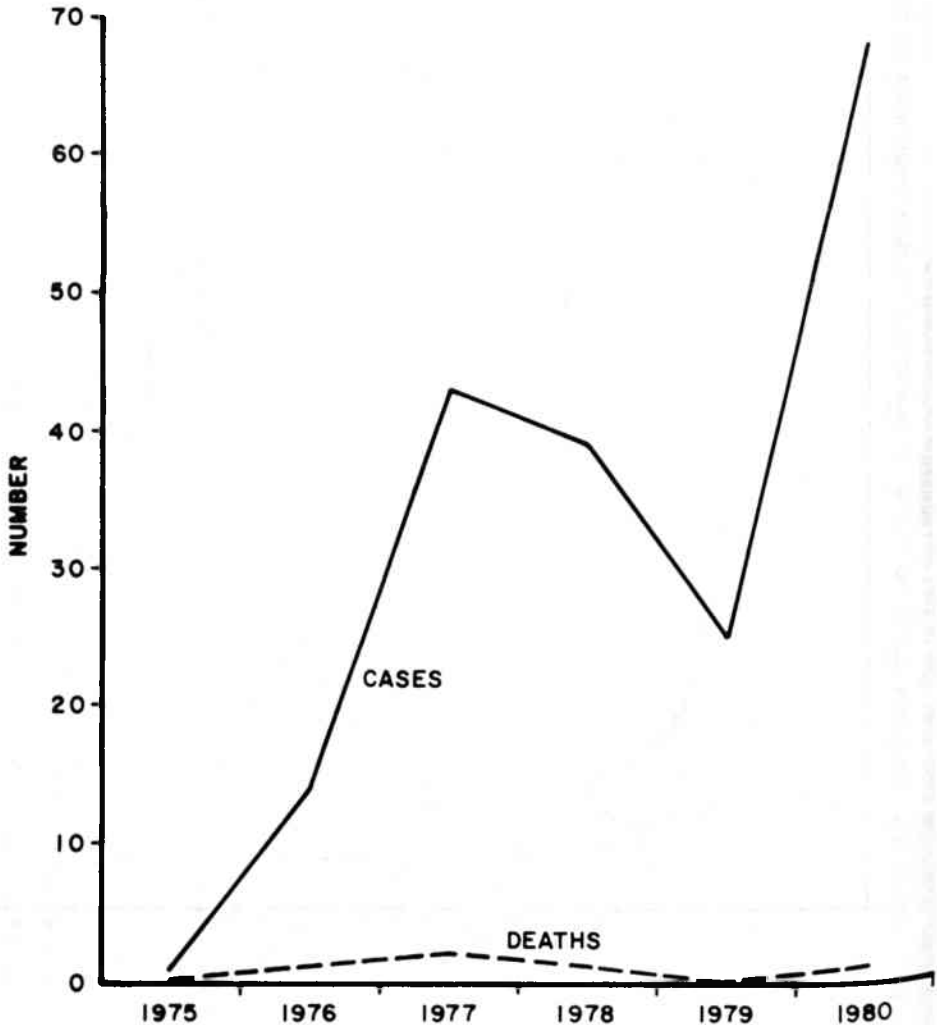


\* NOT AVAILABLE FOR 1979 AND 1980

The 14 outbreaks of foodborne botulism in 1980 involved 18 people and were all related to home-canned or home-processed foods. There were 11 males and 7 females representing 10 states. Nine outbreaks were due to type A, 3 to type B, and 2 to type E toxin.

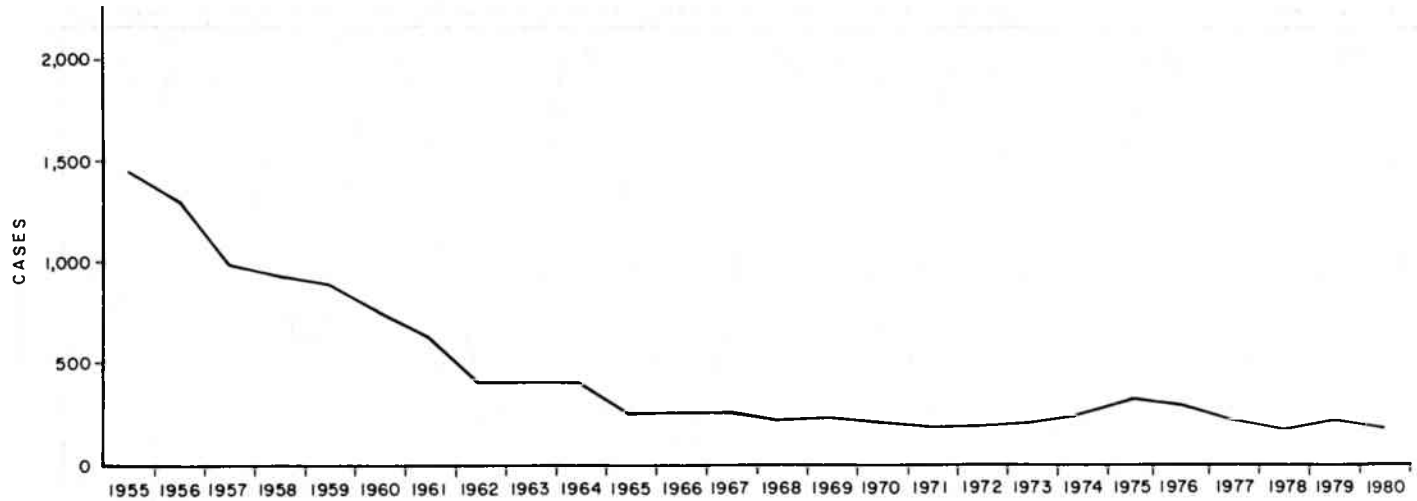
# BOTULISM

**BOTULISM (Infant) – Reported cases and deaths by year,  
United States, 1975-1980**



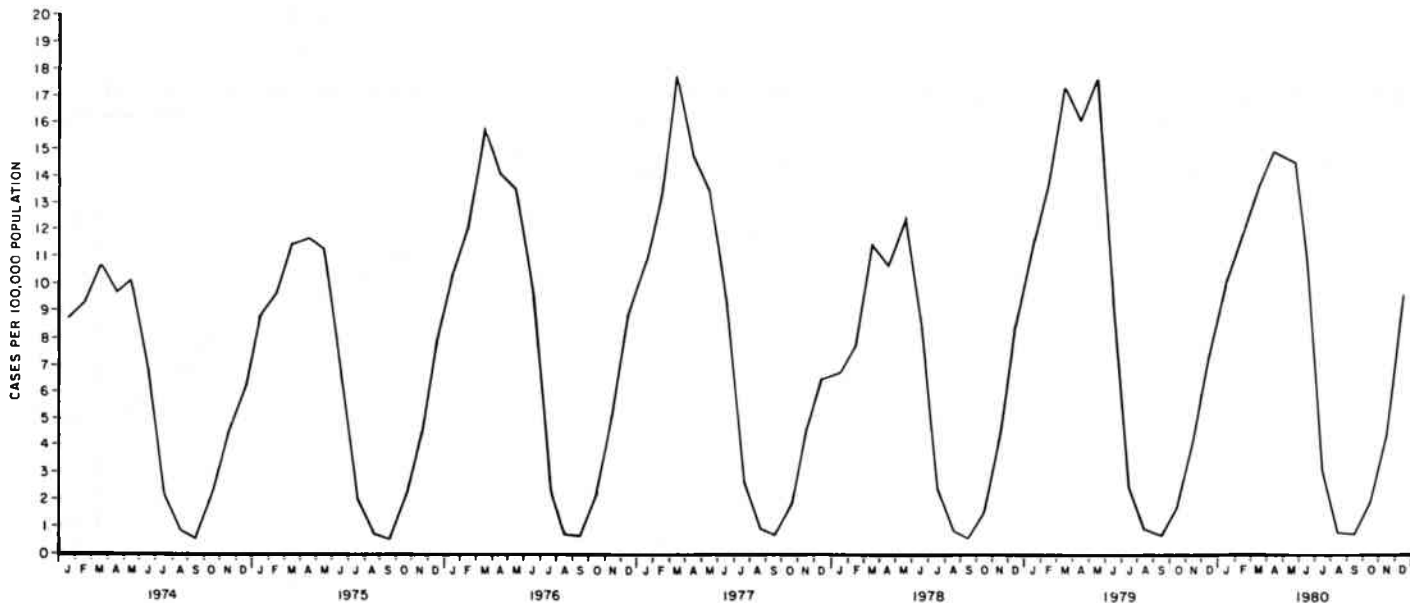
There were 68 cases of infant botulism; 36 males and 32 females, ranging in age from 3 weeks to 38 weeks. Thirty-three cases were due to type A toxin, 35 to type B toxin. One death was reported among infant botulism cases. The large increase in cases of infant botulism in 1980 may be due to an increased number of reported cases from one state (California).

## BRUCELLOSIS — Reported cases by year, United States, 1955-1980



For 1980, 183 cases of brucellosis were reported to CDC. The reported occurrence of brucellosis in the United States sharply decreased from 1947 (5,000 cases) until 1965. The downward trend has subsequently continued, but at a slower rate. The mean annual occurrence was 239 cases for 1966-1970, 226 for 1971-1975, and 221 for 1976-1980.

## CHICKENPOX – Reported case rates by month, United States, 1974-1980



Chickenpox continued to be the second most frequently reported infectious disease in the United States. The seasonal pattern has remained constant; the peak incidence rate for 1980 was reached between March and May.



CHICKENPOX – Reported cases by state and by age, selected states, 1980

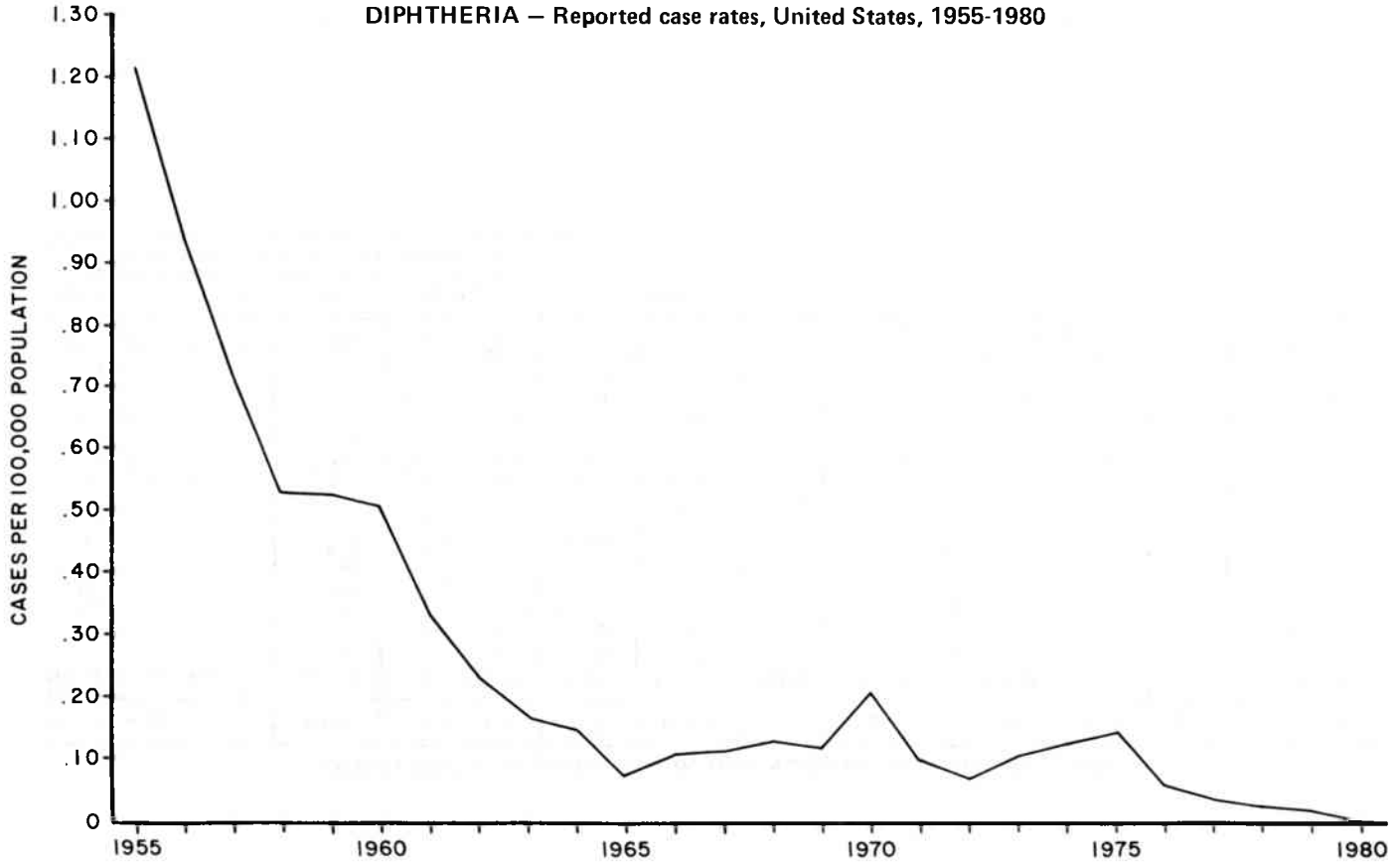
Area	Total	<1	1-4	5-9	10-14	15-19	20-24	25-29	30-39	40-49	50-59	60+	Unk.
No. cases reported	62,047	658 <sup>1</sup>	5,532 <sup>1</sup>	28,671 <sup>2</sup>	8,277 <sup>2</sup>	1,496 <sup>3</sup>	284 <sup>4</sup>	139 <sup>4</sup>	137 <sup>4</sup>	35 <sup>4</sup>	28 <sup>4</sup>	61 <sup>3</sup>	8,775
Ala.	792	2	43	54	17	4	1	1	1	—	—	1	668
Ark.	152	14	41	55	14	2	—	1	—	—	—	—	25
Conn.	7,018	( . . . . . )	( . . . . . )	( . . . . . )	( . . . . . )	12	21	5	11	2	2	3	3
Del.	469	15	118	180	57	21	12	2	1	—	—	1	62
D.C.	97	3	22	45	15	3	1	—	1	—	—	1	6
Ill.	23,647	186	1,357	16,168	4,540	684	65	28	22	7	5	9	576
Ky.	2,651	4	32	30	8	1	1	2	—	—	—	1	2,572
Mass.	6,215	( . . . . . )	( . . . . . )	( . . . . . )	( . . . . . )	349	( . . . . . )	( . . . . . )	( . . . . . )	( . . . . . )	( . . . . . )	3	152
N.Y. (excl. N.Y.C.)	5,497	36	341	3,116	879	241	85	21	24	4	8	37	705
N.Y.C.	4,789	184	1,282	2,021	612	167	96	78	77	22	13	4	233
Oreg.	54	—	—	—	—	( . . . . . )	( . . . . . )	( . . . . . )	( . . . . . )	( . . . . . )	( . . . . . )	( . . . . . )	—
S. Dak.	1,115	8	52	173	39	12	1	1	—	—	—	1	828
Tex.	9,478	206	2,244	3,399	506	( . . . . . )	( . . . . . )	( . . . . . )	( . . . . . )	( . . . . . )	( . . . . . )	( . . . . . )	2,895
Wyo.	73	—	—	12	10	—	1	—	—	—	—	—	50
Guam	165	6	13	17	13	4	1	1	3	1	2	—	104

<sup>1</sup> Does not include cases reported by states of Connecticut and Massachusetts.

<sup>2</sup> Does not include cases reported by state of Connecticut.

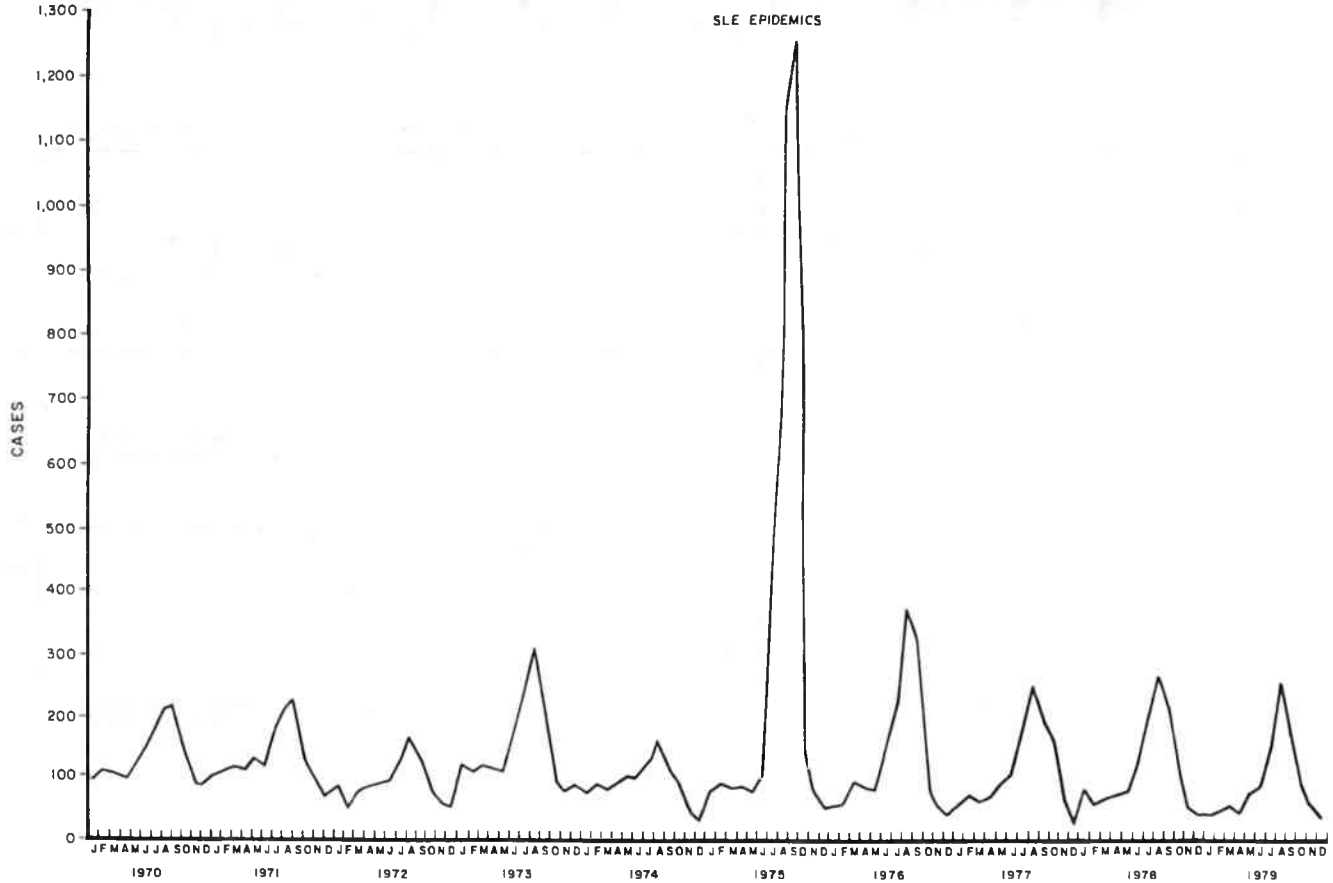
<sup>3</sup> Does not include cases reported by states of Oregon and Texas.

<sup>4</sup> Does not include cases reported by states of Massachusetts, Oregon, and Texas.



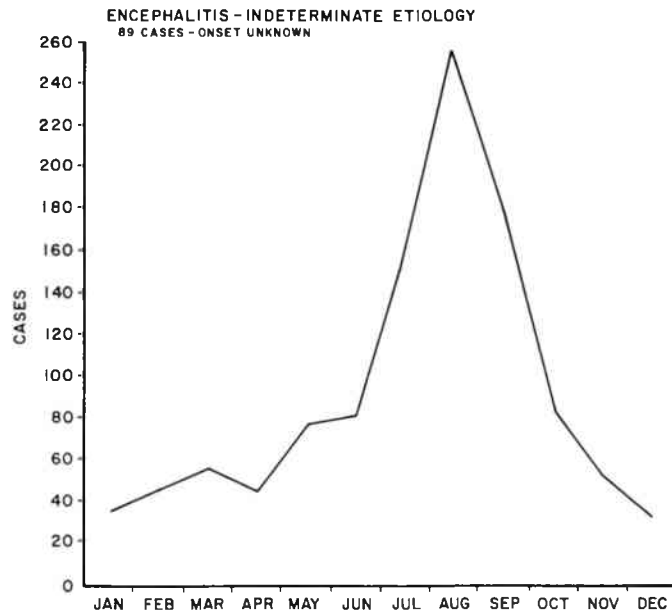
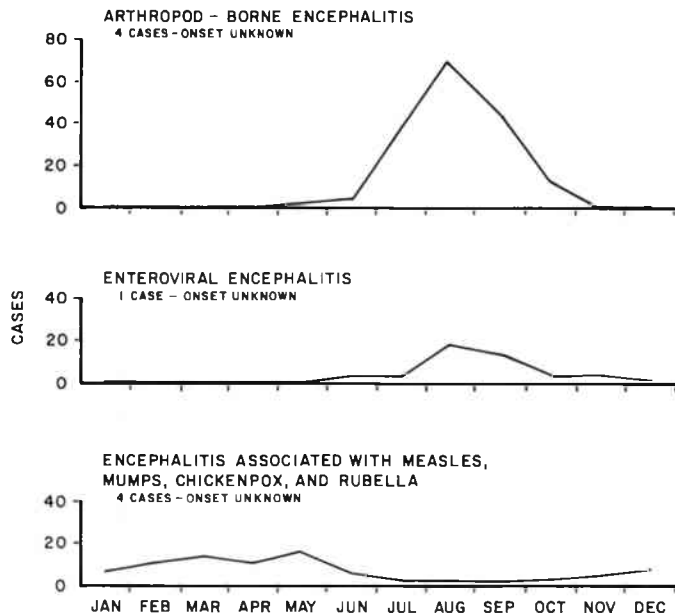
The diphtheria case rate has continued to decrease in recent years; however, the death-to-case ratio has remained stable, suggesting that diphtheria is still difficult to treat. The best method for preventing deaths from diphtheria is vaccination.

**ENCEPHALITIS – Reported cases by month of onset, United States, 1970-1979**



Encephalitis reporting for 1979 was typical of nonepidemic years (1975 was an epidemic year). The increase in reports during the warmer months probably reflects a composite of arboviral and enteroviral activity.

## ENCEPHALITIS – Reported cases by etiology and month, United States, 1979



# ENCEPHALITIS

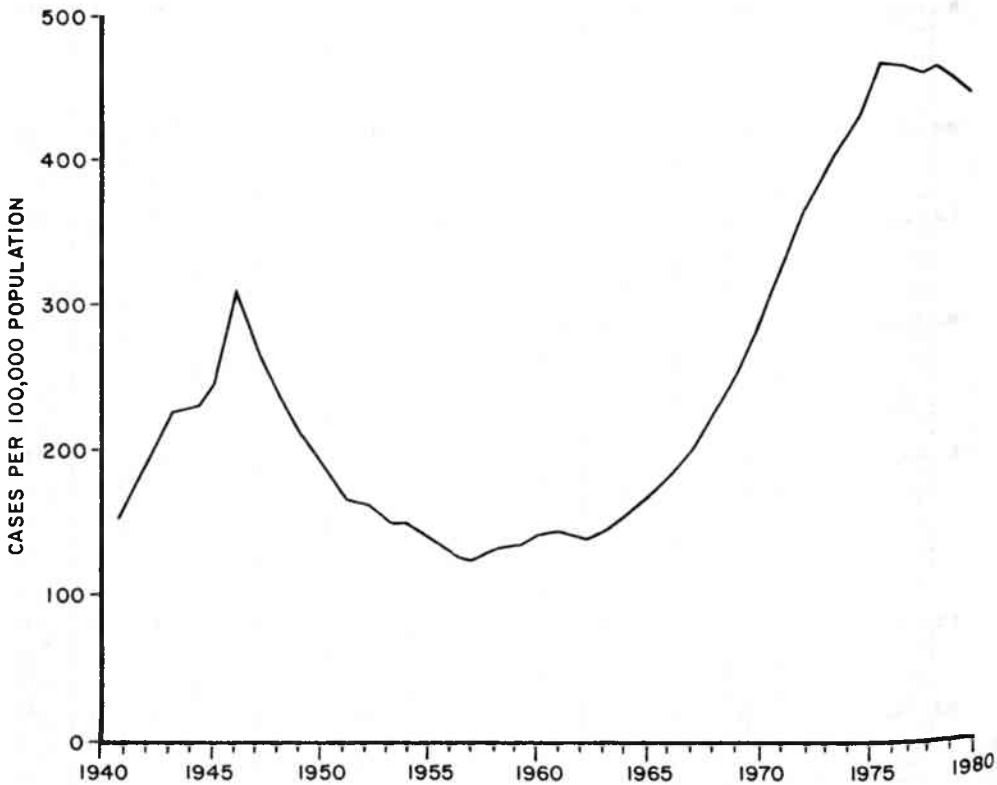
## ENCEPHALITIS — Reported cases by state and by etiology, United States, 1979

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	
<b>United States</b>	<b>1,588</b>	<b>3</b>	<b>3</b>	<b>32</b>	<b>139</b>	<b>3</b>	<b>22</b>	<b>59</b>	<b>—</b>	<b>48</b>	<b>61</b>	<b>26</b>	<b>1,192</b>
<b>New England</b>	<b>58</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>5</b>	<b>3</b>	<b>—</b>	<b>—</b>	<b>5</b>	<b>1</b>	<b>44</b>
Maine	1	—	—	—	—	—	—	—	—	—	—	—	1
N.H.	2	—	—	—	—	—	—	—	—	—	—	—	2
Vt.	2	—	—	—	—	—	—	—	—	—	—	—	2
Mass.	17	—	—	—	—	—	—	—	—	—	—	—	17
R.I.	1	—	—	—	—	—	—	—	—	—	—	—	1
Conn.	35	—	—	—	—	—	5	3	—	—	5	1	21
<b>Mid. Atlantic</b>	<b>126</b>	<b>—</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>12</b>	<b>—</b>	<b>3</b>	<b>2</b>	<b>4</b>	<b>104</b>
N.Y. (excl. NYC)	43	—	—	—	—	—	—	6	—	2	—	—	35
N.Y.C.	—	—	—	—	—	—	—	—	—	—	—	—	—
N.J.	22	—	—	—	—	—	—	4	—	1	2	1	15
Pa.	61	—	1	—	—	—	—	2	—	1	—	3	54
<b>E.N. Central</b>	<b>401</b>	<b>—</b>	<b>—</b>	<b>4</b>	<b>85</b>	<b>—</b>	<b>6</b>	<b>17</b>	<b>—</b>	<b>11</b>	<b>10</b>	<b>3</b>	<b>265</b>
Ohio	107	—	—	—	24	—	3	4	—	11	—	1	64
Ind.	82	—	—	4	4	—	1	4	—	—	5	2	62
Ill.	123	—	—	—	21	—	1	4	—	—	4	—	93
Mich.	43	—	—	—	—	—	—	3	—	—	1	—	39
Wis.	46	—	—	—	36	—	1	2	—	—	—	—	7
<b>W.N. Central</b>	<b>257</b>	<b>1</b>	<b>—</b>	<b>1</b>	<b>48</b>	<b>—</b>	<b>—</b>	<b>3</b>	<b>—</b>	<b>16</b>	<b>1</b>	<b>3</b>	<b>184</b>
Minn.	141	—	—	—	33	—	—	—	—	9	—	—	99
Iowa	72	—	—	—	13	—	—	2	—	3	—	1	53
Mo.	18	—	—	—	2	—	—	—	—	—	—	—	16
N. Dak.	—	—	—	—	—	—	—	—	—	—	—	—	—
S. Dak.	3	1	—	—	—	—	—	—	—	—	—	—	2
Nebr.	1	—	—	—	—	—	—	—	—	—	1	—	—
Kans.	22	—	—	1	—	—	—	1	—	4	—	2	14
<b>S. Atlantic</b>	<b>191</b>	<b>—</b>	<b>2</b>	<b>7</b>	<b>5</b>	<b>—</b>	<b>7</b>	<b>7</b>	<b>—</b>	<b>3</b>	<b>22</b>	<b>9</b>	<b>129</b>
Del.	2	—	1	—	—	—	—	—	—	—	—	—	1
Md.	19	—	—	—	—	—	2	—	—	—	1	—	16
D.C.	—	—	—	—	—	—	—	—	—	—	—	—	—
Va.	36	—	—	—	—	—	—	6	—	—	—	—	28
W. Va.	28	—	—	—	—	—	—	—	—	—	—	—	28
N.C.	40	—	—	—	4	—	2	—	—	—	1	2	31
S.C.	7	—	—	—	—	—	—	—	—	—	—	—	7
Ga.	16	—	—	—	1	—	2	—	—	2	2	1	10
Fla.	43	—	1	7	—	—	1	1	—	3	18	4	8
<b>E.S. Central</b>	<b>153</b>	<b>—</b>	<b>—</b>	<b>13</b>	<b>—</b>	<b>—</b>	<b>1</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>1</b>	<b>—</b>	<b>137</b>
Ky.	10	—	—	—	—	—	1	1	—	—	1	—	7
Tenn.	49	—	—	—	—	—	—	—	—	—	—	—	49
Ala.	26	—	—	1	—	—	—	—	—	—	—	—	25
Miss.	68	—	—	12	—	—	—	—	—	—	—	—	56
<b>W.S. Central</b>	<b>120</b>	<b>—</b>	<b>—</b>	<b>6</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>5</b>	<b>—</b>	<b>—</b>	<b>6</b>	<b>3</b>	<b>96</b>
Ark.	11	—	—	—	1	—	—	1	—	—	1	2	6
La.	17	—	—	—	—	—	—	—	—	—	—	—	17
Okla.	26	—	—	—	—	—	—	2	—	—	—	—	24
Texas	66	—	—	6	—	1	2	2	—	—	5	1	49
<b>Mountain</b>	<b>66</b>	<b>—</b>	<b>—</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>4</b>	<b>—</b>	<b>8</b>	<b>2</b>	<b>—</b>	<b>51</b>
Mont.	8	—	—	—	—	—	—	—	—	2	—	—	6
Idaho	1	—	—	—	—	—	—	—	—	—	1	—	—
Wyo.	3	—	—	—	—	—	—	2	—	—	—	—	1
Colo.	18	—	—	—	—	—	—	—	—	—	—	—	18
N. Mex.	8	—	—	—	—	—	—	2	—	1	1	—	4
Ariz.	10	—	—	1	—	—	—	—	—	1	—	—	8
Utah	16	—	—	—	—	—	—	—	—	4	—	—	12
Nev.	2	—	—	—	—	—	—	—	—	—	—	—	2
<b>Pacific</b>	<b>216</b>	<b>2</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>2</b>	<b>1</b>	<b>7</b>	<b>—</b>	<b>7</b>	<b>12</b>	<b>3</b>	<b>182</b>
Wash.	32	1	—	—	—	—	—	—	—	—	3	—	28
Oreg.	37	—	—	—	1	—	—	1	—	2	—	1	32
Calif.	116	1	—	—	—	1	1	6	—	4	9	1	93
Alaska	11	—	—	—	—	—	—	—	—	1	—	—	10
Hawaii	20	—	—	—	—	—	—	—	—	—	—	1	19
Guam	—	—	—	—	—	—	—	—	—	—	—	—	—
P.R.	1	—	—	—	—	—	—	—	—	—	—	—	1
V.I.	—	—	—	—	—	—	—	—	—	—	—	—	—

This table has been included to update the provisional data published in the 1979 Annual Summary.

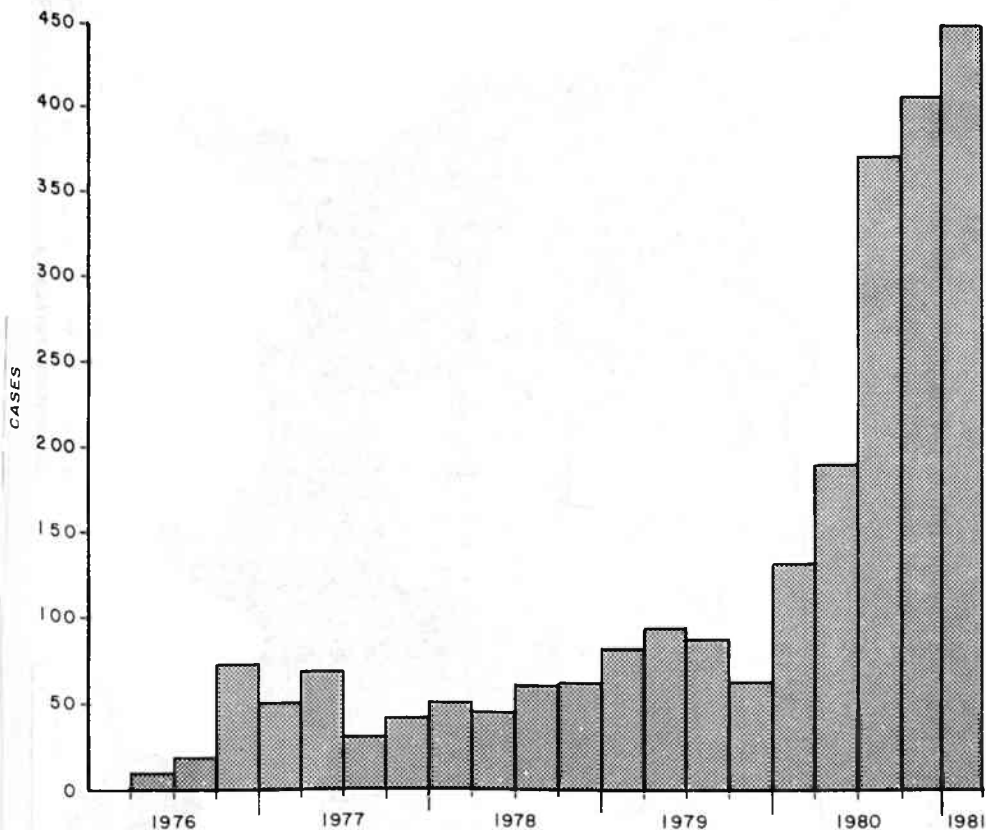
## GONORRHEA

Gonorrhea — Reported civilian case rates by year, United States, 1941-1980



Gonorrhea is the most frequently reported communicable disease in the United States. Beginning in 1966, reported gonorrhea cases increased at about 12% per year until 1973, for which 842,621 cases were reported. The sharp increase of reported cases in the late 1960s and early 1970s is thought to represent an actual increase in the occurrence of disease as well as improved case-detection procedures. Since 1973, when federally assisted state and local programs were implemented to control gonorrhea, the reported number of cases has plateaued at about 1 million cases per year: 1,004,029 cases were reported for 1980, only slightly less (-29) than the 1,004,058 cases reported for 1979. Even so, the case rate per 100,000 population decreased from 459.49 for 1979 to 443.27 for 1980. The leveling-off of reported cases since 1975 is thought to be due to the disease-intervention activities initiated in 1973.

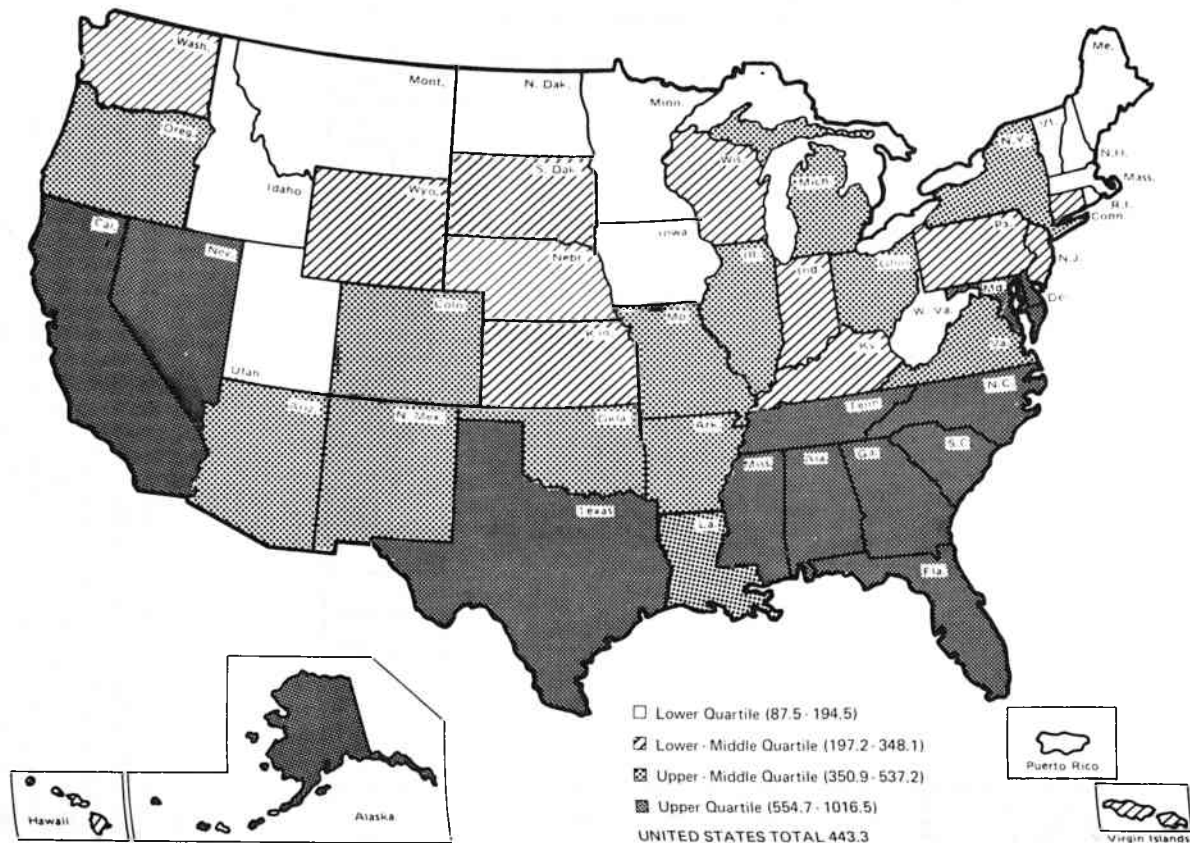
GONORRHEA — Reported penicillinase-producing *Neisseria gonorrhoeae* (PPNG) cases by quarter, April 1976-March 1981



A strain of gonococci resistant to all forms of penicillin has emerged—penicillinase-producing *Neisseria gonorrhoeae* (PPNG). From March 1976 through December 1980, 1962 cases of PPNG were identified in 43 states, the District of Columbia and Guam. A significant proportion of PPNG cases were related to importation of infection from either Southeast Asia or the west coast of Africa. However, results for 1980 suggest an increasing occurrence of PPNG cases within the United States.

Proven major civilian outbreaks of PPNG occurred in four areas in 1980: Los Angeles, New York City, Washington, and Louisiana. Control efforts including intensive surveillance, case detection, treatment, and contact tracing have been able to contain all outbreaks, and most cases continue to be imported or linked to imported cases.

GONORRHEA – Reported cases in civilians per 100,000 population by state,  
United States, 1980





GONORRHEA — Reported cases in civilians per 100,000 population by geographic division, by state, and by city,<sup>1</sup> United States, calendar years 1979 and 1980

Area	Rate		Area	Rate	
	1980	1979		1980	1979
<b>United States</b>	<b>443.3</b>	<b>459.5</b>	<b>United States Cities</b>	<b>919.6</b>	<b>923.0</b>
<b>New England</b>	<b>207.8</b>	<b>202.4</b>	<b>New England</b>	<b>911.8</b>	<b>800.8</b>
Maine	129.8	160.6	Boston, Mass.	911.8	800.8
N.H.	96.4	105.1	<b>Mid. Atlantic</b>	<b>658.9</b>	<b>635.5</b>
Vt.	104.3	132.5	Buffalo, N.Y.	1065.1	918.7
Mass.	188.2	171.7	Jersey City, N.J.	555.9	464.0
R.I.	171.1	212.7	Newark, N.J.	1723.3	1817.6
Conn.	333.5	309.8	New York City, N.Y.	615.4	563.8
<b>Mid. Atlantic</b>	<b>308.5</b>	<b>298.4</b>	Philadelphia, Pa.	814.5	881.2
N.Y.	372.3	349.7	Pittsburgh, Pa. <sup>2</sup>	312.3	324.1
N.J.	278.6	267.6	Rochester, N.Y.	1285.7	1289.5
Pa.	232.5	240.4	Yonkers, N.Y.	192.5	170.2
<b>E.N. Central</b>	<b>376.4</b>	<b>392.1</b>	<b>E.N. Central</b>	<b>1202.4</b>	<b>1181.2</b>
Ohio	400.1	392.2	Akron, Ohio	860.3	859.2
Ind.	317.2	306.0	Chicago, Ill.	1000.2	1062.9
Ill.	410.8	467.9	Cincinnati, Ohio	1750.0	1538.3
Mich.	377.5	398.2	Cleveland, Ohio	1712.5	1715.7
Wis.	305.7	298.5	Columbus, Ohio	1387.5	1172.2
<b>W.N. Central</b>	<b>285.4</b>	<b>291.4</b>	Dayton, Ohio	1228.3	1468.7
Minn.	194.5	202.4	Detroit, Mich.	1242.4	1283.7
Iowa	174.8	197.6	Indianapolis, Ind. <sup>2</sup>	1019.1	872.0
Mo.	447.9	442.6	Milwaukee, Wis.	1564.6	1419.7
N. Dak.	104.1	130.7	Toledo, Ohio	934.3	830.5
S. Dak.	197.3	233.4	<b>W.N. Central</b>	<b>877.6</b>	<b>855.7</b>
Nebr.	236.9	230.0	Des Moines, Iowa	503.3	447.2
Kans.	348.1	350.8	Kansas City, Mo.	1386.9	1286.0
<b>S. Atlantic</b>	<b>674.5</b>	<b>694.0</b>	Minneapolis, Minn. <sup>2</sup>	515.4	462.9
Del.	608.6	678.9	Omaha, Nebr. <sup>2</sup>	546.2	546.3
Md.	640.0	704.4	St. Louis, Mo.	1938.9	1958.1
D.C.	2730.4	2523.2	St. Paul, Minn.	427.6	450.2
Va.	434.9	456.4	Wichita, Kans. <sup>2</sup>	734.5	765.0
W. Va.	171.5	176.3	<b>S. Atlantic</b>	<b>1541.6</b>	<b>1518.6</b>
N.C.	651.2	637.4	Atlanta, Ga. <sup>2</sup>	3114.7	3115.4
S.C.	754.3	775.9	Baltimore, Md.	2324.9	2600.3
Ga.	866.7	885.3	Charlotte, N.C.	1729.6	1185.6
Fla.	671.9	700.9	Jacksonville, Fla.	965.3	1103.8
<b>E.S. Central</b>	<b>552.4</b>	<b>609.9</b>	Miami, Fla. <sup>2</sup>	935.1	878.5
Ky.	323.4	326.1	Norfolk, Va.	1454.8	1339.1
Tenn.	646.2	707.7	Richmond, Va.	1487.0	1574.1
Ala.	617.5	676.7	St. Petersburg, Fla. <sup>2</sup>	562.2	473.8
Miss.	613.6	740.9	Tampa, Fla. <sup>2</sup>	925.5	874.5
<b>W.S. Central</b>	<b>529.6</b>	<b>577.6</b>	Washington, D.C.	2730.4	2523.2
Ark.	443.1	478.6	<b>E.S. Central</b>	<b>1168.2</b>	<b>1219.7</b>
La.	537.2	592.9	Birmingham, Ala. <sup>2</sup>	1014.0	1113.7
Okla.	420.6	445.7	Louisville, Ky. <sup>2</sup>	609.1	933.6
Texas	564.4	617.8	Memphis, Tenn. <sup>2</sup>	1524.7	1570.1
<b>Mountain</b>	<b>343.6</b>	<b>380.0</b>	Nashville, Tenn. <sup>2</sup>	1177.0	1217.0
Mont.	186.7	247.6	<b>W.S. Central</b>	<b>953.4</b>	<b>1003.9</b>
Idaho	183.7	198.0	Austin, Tex. <sup>2</sup>	875.2	894.8
Wyo.	232.7	253.4	Corpus Christi, Tex. <sup>2</sup>	456.6	502.0
Colo.	366.4	394.9	Dallas, Tex. <sup>2</sup>	1128.6	1137.8
N. Mex.	350.9	397.1	El Paso, Tex. <sup>2</sup>	512.1	452.0
Ariz.	389.1	466.5	Fort Worth, Tex. <sup>2</sup>	714.1	887.0
Utah	134.3	148.1	Houston, Tex. <sup>2</sup>	1111.2	1176.9
Nev.	886.6	911.4	New Orleans, La.	1534.2	1712.2
<b>Pacific</b>	<b>515.8</b>	<b>549.9</b>	Oklahoma City, Okla.	1239.0	1172.1
Wash.	344.2	376.9	San Antonio, Tex. <sup>2</sup>	435.8	461.2
Oreg.	423.8	407.0	Tulsa, Okla.	888.3	910.5
Calif.	554.7	590.2	<b>Mountain</b>	<b>556.2</b>	<b>619.6</b>
Alaska	1016.5	1301.8	Albuquerque, N.M. <sup>2</sup>	477.1	515.2
Hawaii	338.6	363.1	Denver, Colo.	1090.2	1177.0
Guam	0.0	114.3	Phoenix, Ariz. <sup>2</sup>	465.7	541.7
P.R.	87.5	64.4	Tucson, Ariz. <sup>2</sup>	328.7	337.3
V.I.	315.0	305.0	<b>Pacific</b>	<b>735.1</b>	<b>745.6</b>
			Honolulu, Hawaii	610.6	551.3
			Los Angeles, Calif. <sup>2</sup>	739.4	762.4
			Oakland, Calif. <sup>2</sup>	692.9	659.9
			Portland, Oreg. <sup>2</sup>	911.7	858.4
			Sacramento, Calif. <sup>2</sup>	505.8	546.2
			San Diego, Calif. <sup>2</sup>	400.0	426.3
			San Francisco, Calif.	2810.7	2845.1
			San Jose, Calif. <sup>2</sup>	479.6	398.0
			Seattle, Wash. <sup>2</sup>	515.7	539.9
			San Juan, P.R. <sup>2</sup>	323.5	251.8

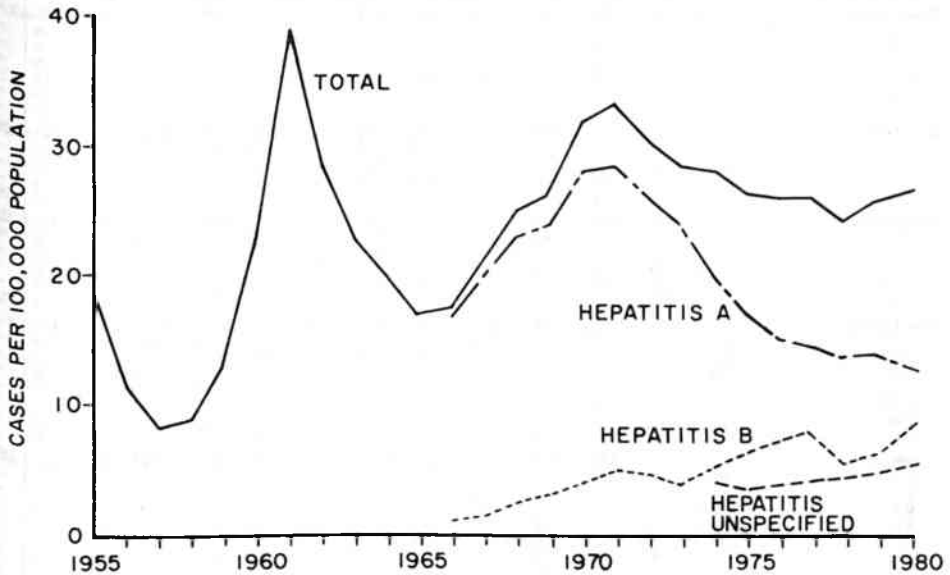
<sup>1</sup> Restricted to cities with population of 200,000 or more in 1970.<sup>2</sup> County data or equivalent; Oakland is Alameda County less Berkeley.

# GONORRHEA

## GONORRHEA — Reported cases in civilians and cases per 100,000 population by age and sex, United States, 1979 and 1980

Age Group	Male			
	1980		1979	
	Cases	Rate	Cases	Rate
0-14	2,877	11.0	2,932	11.4
15-19	99,994	930.0	99,158	956.6
20-24	224,091	2102.2	223,642	2308.9
25-29	140,673	1449.8	140,305	1591.5
30-39	95,345	613.7	94,948	657.4
40-49	21,717	195.7	21,326	194.4
50+	8,112	31.1	8,452	33.0
<b>Total</b>	<b>592,809</b>	<b>538.8</b>	<b>590,763</b>	<b>559.9</b>
Age Group	Female			
	1980		1979	
	Cases	Rate	Cases	Rate
0-14	8,207	32.7	9,256	37.7
15-19	147,245	1414.5	150,779	1468.8
20-24	155,365	1458.6	156,658	1532.2
25-29	62,448	636.3	60,968	660.8
30-39	30,631	191.6	28,744	187.8
40-49	5,277	45.2	4,877	41.9
50+	2,047	6.2	2,013	6.3
<b>Total</b>	<b>411,220</b>	<b>353.1</b>	<b>413,295</b>	<b>365.7</b>
Age Group	Total			
	1980		1979	
	Cases	Rate	Cases	Rate
0-14	11,084	17.7	12,188	24.3
15-19	247,239	1168.3	249,937	1211.4
20-24	379,456	1780.5	380,300	1910.0
25-29	203,121	1040.7	201,273	1115.5
30-39	125,976	399.7	123,692	415.8
40-49	26,994	115.6	26,203	115.8
50+	10,159	17.2	10,465	18.3
<b>Total</b>	<b>1,004,029</b>	<b>443.3</b>	<b>1,004,058</b>	<b>459.5</b>

## HEPATITIS — Reported case rates by year, United States, 1955-1980



Viral hepatitis continues to be one of the 4 most frequently reported infectious diseases in the United States. The total number of viral hepatitis cases reported for 1980 was higher than the 2 previous years. Increases were observed for both hepatitis B and hepatitis, unspecified, while there was a slight decrease in the number of cases reported for hepatitis A. Persons 15-39 years of age were the group most affected by all types of hepatitis.

## HEPATITIS

## HEPATITIS A — Reported cases by state and by month, United States, 1980

Area	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
<b>United States</b>	<b>29,087</b>	<b>2,374</b>	<b>2,444</b>	<b>2,309</b>	<b>2,252</b>	<b>2,259</b>	<b>2,224</b>	<b>2,516</b>	<b>2,436</b>	<b>2,493</b>	<b>2,666</b>	<b>2,285</b>	<b>2,658</b>	<b>171</b>
<b>New England</b>	<b>711</b>	<b>65</b>	<b>45</b>	<b>52</b>	<b>54</b>	<b>78</b>	<b>51</b>	<b>50</b>	<b>42</b>	<b>58</b>	<b>76</b>	<b>54</b>	<b>86</b>	—
Maine	32	5	1	—	1	6	3	2	—	3	2	5	4	—
N. H.	60	5	8	5	6	—	1	5	3	6	9	6	6	—
Vt.	44	1	2	—	5	5	9	2	4	3	6	1	6	—
Mass.	277	26	21	26	22	28	27	18	20	21	30	17	21	—
R.I.	118	15	4	8	12	10	7	7	8	13	10	11	13	—
Conn.	180	13	9	13	8	29	4	16	7	12	19	14	36	—
<b>Mid. Atlantic</b>	<b>2,594</b>	<b>212</b>	<b>175</b>	<b>223</b>	<b>179</b>	<b>153</b>	<b>213</b>	<b>214</b>	<b>210</b>	<b>275</b>	<b>238</b>	<b>231</b>	<b>241</b>	<b>29</b>
N.Y. (excl. NYC)	641	51	47	63	48	31	53	76	43	52	54	43	80	—
N.Y.C.	364	32	33	45	17	24	28	14	28	39	42	40	22	—
N. J.	844	73	51	66	60	55	64	57	69	70	82	99	98	—
Pa.	745	56	44	49	54	43	68	67	70	114	61	49	41	29
<b>E.N. Central</b>	<b>3,510</b>	<b>272</b>	<b>309</b>	<b>285</b>	<b>314</b>	<b>227</b>	<b>289</b>	<b>317</b>	<b>226</b>	<b>265</b>	<b>374</b>	<b>274</b>	<b>330</b>	<b>28</b>
Ohio	673	101	69	43	48	37	41	74	45	40	41	51	65	18
Ind.	532	5	46	23	24	35	35	51	33	76	86	43	75	—
Ill.	1,128	47	108	101	135	69	104	117	53	70	116	98	110	—
Mich.	879	80	59	85	80	49	83	68	71	61	118	54	71	—
Wis.	298	39	27	33	27	37	26	7	24	18	13	28	9	10
<b>W.N. Central</b>	<b>1,211</b>	<b>97</b>	<b>109</b>	<b>111</b>	<b>87</b>	<b>111</b>	<b>86</b>	<b>70</b>	<b>76</b>	<b>131</b>	<b>121</b>	<b>97</b>	<b>115</b>	—
Minn.	324	15	26	35	25	39	23	22	21	19	40	35	24	—
Iowa	214	7	17	13	11	20	11	14	10	32	23	22	34	—
Mo.	254	25	26	22	17	18	16	15	21	20	21	19	34	—
N.Dak.	57	4	—	—	3	1	—	3	—	31	8	2	3	—
S. Dak.	72	14	18	8	5	6	1	3	8	2	3	1	3	—
Nebr.	68	12	3	6	5	8	7	2	—	6	4	4	11	—
Kans.	222	20	17	27	21	19	28	11	16	21	22	14	6	—
<b>S. Atlantic</b>	<b>4,412</b>	<b>401</b>	<b>368</b>	<b>370</b>	<b>316</b>	<b>399</b>	<b>370</b>	<b>375</b>	<b>392</b>	<b>395</b>	<b>389</b>	<b>273</b>	<b>257</b>	<b>107</b>
Del.	47	1	2	2	2	9	4	8	3	2	7	2	5	—
Md.	256	34	31	33	29	17	25	20	20	20	10	15	2	—
D.C.	59	6	6	3	7	2	6	3	2	2	7	6	9	—
Va.	310	30	26	28	19	30	24	20	28	30	28	29	18	—
W. Va.	116	18	12	4	10	6	5	12	6	6	17	14	6	—
N.C.	353	26	29	30	27	20	23	39	59	34	31	17	18	—
S.C.	147	17	14	15	8	14	13	5	4	17	16	10	14	—
Ga.	846	90	96	67	47	79	57	63	74	81	104	41	47	—
Fla.	2,278	179	152	188	167	222	213	205	196	203	169	139	138	107
<b>E.S. Central</b>	<b>1,597</b>	<b>102</b>	<b>127</b>	<b>119</b>	<b>101</b>	<b>134</b>	<b>142</b>	<b>184</b>	<b>163</b>	<b>110</b>	<b>138</b>	<b>122</b>	<b>155</b>	—
Ky.	438	42	24	25	17	34	37	94	48	5	41	35	36	—
Tenn.	490	33	38	44	41	35	35	45	49	44	34	39	53	—
Ala.	237	26	32	34	19	26	15	17	20	13	7	20	8	—
Miss.	432	1	33	16	24	39	55	28	46	48	56	28	58	—
<b>W.S. Central</b>	<b>4,413</b>	<b>314</b>	<b>388</b>	<b>386</b>	<b>343</b>	<b>384</b>	<b>328</b>	<b>350</b>	<b>367</b>	<b>345</b>	<b>345</b>	<b>371</b>	<b>482</b>	—
Ark.	360	25	33	27	26	29	27	43	40	32	42	14	22	—
La.	680	50	55	44	32	63	39	56	66	86	67	41	81	—
Okla.	395	16	35	52	39	37	25	39	23	28	17	35	49	—
Texas	2,978	223	265	263	246	265	237	212	238	199	219	281	330	—
<b>Mountain</b>	<b>2,938</b>	<b>342</b>	<b>377</b>	<b>243</b>	<b>286</b>	<b>234</b>	<b>186</b>	<b>242</b>	<b>173</b>	<b>208</b>	<b>209</b>	<b>202</b>	<b>229</b>	<b>7</b>
Mont.	148	27	29	15	15	7	6	8	11	6	2	9	6	7
Idaho	147	18	6	6	17	15	10	3	5	4	7	23	33	—
Wyo.	20	—	2	—	1	4	—	4	3	1	2	2	1	—
Colo.	834	70	78	75	66	65	46	74	73	83	78	69	67	—
N. Mex.	366	43	42	42	37	44	21	34	15	16	21	28	23	—
Ariz.	825	130	102	66	90	54	42	85	39	59	67	46	45	—
Utah	263	35	15	10	28	13	28	24	15	28	21	6	40	—
Nev.	335	19	103	29	32	32	33	10	12	11	11	29	14	—
<b>Pacific</b>	<b>7,701</b>	<b>569</b>	<b>546</b>	<b>520</b>	<b>572</b>	<b>529</b>	<b>559</b>	<b>714</b>	<b>787</b>	<b>706</b>	<b>775</b>	<b>661</b>	<b>763</b>	—
Wash.	554	75	64	31	43	46	34	30	29	55	62	32	53	—
Oreg.	777	50	76	47	90	52	71	44	81	80	67	73	46	—
Calif.	6,259	421	401	432	429	421	447	635	663	562	636	550	662	—
Alaska	27	4	1	3	3	4	2	1	—	1	4	2	2	—
Hawaii	84	19	4	7	7	6	5	4	14	8	6	4	—	—
Guam	49	2	4	3	2	7	3	10	5	4	4	2	3	—
P.R.	316	36	16	41	35	22	27	20	9	45	17	23	25	—
V.I.	2	—	—	1	1	—	—	—	—	—	—	—	—	—
Pac. Trust Terr.	—	—	—	—	—	—	—	—	—	—	—	—	—	—
C.N.M.I.	—	—	—	—	—	—	—	—	—	—	—	—	—	—

<sup>1</sup> Cases represent patients tested for HBsAg and found to be negative.

HEPATITIS A — Reported cases by state and by age, United States, 1980

Area	Total	Under 1	1-4	5-9	10-14	15-19	20-24	25-29	30-39	40-49	50-59	60+	Unk.
<b>United States</b>	<b>29,087</b>	<b>54<sup>1</sup></b>	<b>735<sup>1</sup></b>	<b>2,371</b>	<b>1,927</b>	<b>3,326</b>	<b>5,577<sup>2</sup></b>	<b>4,723<sup>2</sup></b>	<b>4,548</b>	<b>1,812</b>	<b>1,347</b>	<b>1,472</b>	<b>859</b>
<b>New England</b>	<b>711</b>	<b>—</b>	<b>12</b>	<b>30</b>	<b>40</b>	<b>76</b>	<b>130</b>	<b>116</b>	<b>106</b>	<b>64</b>	<b>62</b>	<b>55</b>	<b>20</b>
Maine	32	—	—	1	4	4	3	1	4	3	5	3	4
N.H.	60	—	—	3	10	8	10	10	3	8	3	2	—
Vt.	44	—	—	—	1	6	4	9	11	4	6	2	1
Mass.	277	—	3	9	10	28	62	54	38	19	26	23	5
R.I.	118	—	2	7	4	11	20	22	16	11	13	12	—
Conn.	180	—	7	10	11	19	31	20	34	19	9	10	10
<b>Mid. Atlantic</b>	<b>2,594</b>	<b>2</b>	<b>34</b>	<b>116</b>	<b>140</b>	<b>329</b>	<b>550</b>	<b>421</b>	<b>386</b>	<b>199</b>	<b>189</b>	<b>202</b>	<b>26</b>
N.Y. (excl. NYC)	641	—	16	47	54	65	108	82	103	55	42	59	10
N.Y.C.	364 <sup>2</sup>	2	1	16	20	27	66	65	69	33	29	34	2
N.J.	844	—	6	30	31	115	219	145	119	64	52	49	14
Pa.	745	—	11	23	35	122	157	129	95	47	66	60	—
<b>E.N. Central</b>	<b>3,510</b>	<b>10</b>	<b>101</b>	<b>315</b>	<b>300</b>	<b>379</b>	<b>584</b>	<b>522</b>	<b>517</b>	<b>269</b>	<b>198</b>	<b>217</b>	<b>98</b>
Ohio	673	—	19	50	59	60	119	106	98	57	39	39	27
Ind.	532	1	23	88	59	69	84	68	54	33	27	20	6
Ill.	1,128	6	32	121	102	130	174	156	179	84	53	63	28
Mich.	879	3	21	44	58	94	157	144	139	71	59	60	29
Wis.	298	—	6	12	22	26	50	48	47	24	20	35	8
<b>W.N. Central</b>	<b>1,211</b>	<b>5</b>	<b>32</b>	<b>98</b>	<b>102</b>	<b>134</b>	<b>227</b>	<b>164</b>	<b>186</b>	<b>73</b>	<b>83</b>	<b>51</b>	<b>56</b>
Minn.	324	1	12	20	23	35	55	55	62	21	27	12	1
Iowa	214	1	4	24	27	24	36	28	32	12	13	11	2
Mo.	254	—	3	15	17	31	60	23	42	15	14	10	24
N. Dak.	72	—	1	4	6	8	6	4	10	8	6	3	1
S. Dak.	57	1	2	10	9	7	11	11	8	2	2	6	3
Nebr.	68	—	3	3	6	9	7	17	6	5	7	1	4
Kans.	222	2	7	22	14	20	52	26	26	10	14	8	21
<b>S. Atlantic</b>	<b>4,412</b>	<b>8</b>	<b>96</b>	<b>215</b>	<b>225</b>	<b>501</b>	<b>944</b>	<b>764</b>	<b>755</b>	<b>280</b>	<b>192</b>	<b>329</b>	<b>103</b>
Del.	47	—	—	3	3	10	9	6	10	4	1	—	1
Md.	256	—	5	6	9	28	68	39	48	15	16	21	1
D.C.	59	—	—	—	1	7	7	15	16	4	4	5	7
Va.	310	2	1	16	12	29	66	47	62	23	20	28	4
W. Va.	116	—	1	12	9	19	18	10	11	10	8	17	1
N.C.	353	—	3	11	7	45	94	54	59	24	14	40	2
S.C.	147	1	1	3	13	15	30	32	16	9	8	7	12
Ga.	846	2	20	21	30	100	194	135	140	58	33	61	52
Fla.	2,278	3	65	143	141	255	458	426	393	133	88	150	23
<b>E.S. Central</b>	<b>1,597</b>	<b>1</b>	<b>38</b>	<b>119</b>	<b>105</b>	<b>238</b>	<b>317</b>	<b>209</b>	<b>227</b>	<b>100</b>	<b>91</b>	<b>130</b>	<b>22</b>
Ky.	438	—	13	63	51	73	85	44	42	27	17	11	—
Tenn.	490	1	12	26	24	72	93	77	84	27	32	42	12
Ala.	237	—	3	7	13	35	55	26	32	17	18	26	5
Miss.	432	—	10	23	17	58	84	62	69	29	24	51	5
<b>W.S. Central</b>	<b>4,413</b>	<b>17</b>	<b>168</b>	<b>652</b>	<b>420</b>	<b>538</b>	<b>781</b>	<b>609</b>	<b>539</b>	<b>230</b>	<b>132</b>	<b>147</b>	<b>180</b>
Ark.	360	1	9	28	18	57	69	68	41	19	17	21	12
La.	680	3	15	58	58	91	130	87	103	36	23	24	52
Okla.	395	2	11	37	32	55	69	58	53	19	15	21	23
Texas	2,978	11	133	529	312	335	513	396	342	156	77	81	93
<b>Mountain</b>	<b>2,938</b>	<b>3<sup>1</sup></b>	<b>78<sup>1</sup></b>	<b>319</b>	<b>208</b>	<b>302</b>	<b>398<sup>1</sup></b>	<b>411<sup>1</sup></b>	<b>468</b>	<b>138</b>	<b>101</b>	<b>80</b>	<b>96</b>
Mont.	148	1	14	30	25	15	16	10	12	2	8	4	11
Idaho	147	—	11	23	11	18	12	14	28	3	6	1	20
Wyo.	20	—	—	1	1	2	5	6	1	2	1	1	—
Colo.	834	2	9	33	39	70	196	203	166	50	30	19	17
N. Mex.	366	—	17	52	38	45	58	65	53	16	4	6	12
Ariz.	825	( . . . 88 . . . )	( . . . )	123	60	85	( . . . 248 . . . )	( . . . )	105	40	31	27	18
Utah	263	—	14	30	21	23	35	56	51	7	10	9	7
Ne v.	335	—	13	27	13	44	76	57	52	18	11	13	11
<b>Pacific</b>	<b>7,701</b>	<b>8</b>	<b>176</b>	<b>507</b>	<b>387</b>	<b>829</b>	<b>1,646</b>	<b>1,507</b>	<b>1,364</b>	<b>459</b>	<b>299</b>	<b>261</b>	<b>258</b>
Wash.	554	—	5	33	20	54	115	107	115	38	28	22	17
Oreg.	777	2	11	34	23	59	152	165	177	40	40	48	26
Calif.	6,259	6	160	438	335	705	1,351	1,219	1,050	372	225	189	209
Alaska	27	—	—	—	3	1	4	7	3	2	2	—	5
Hawaii	84	—	—	2	6	10	24	9	19	7	4	2	1
Guam	49	1	2	8	1	6	9	10	7	3	1	1	—
P.R.	316	1	19	87	54	41	24	17	15	11	8	9	30
V.I.	2	—	—	—	—	—	1	1	—	—	—	—	—
Pac. Trust Terr.	—	—	—	—	—	—	—	—	—	—	—	—	—
C.N.M.I.	—	—	—	—	—	—	—	—	—	—	—	—	—

<sup>1</sup> Does not include cases reported by state of Arizona.<sup>2</sup> Cases represent patients tested for HBsAg and found to be negative.

# HEPATITIS

## HEPATITIS B — Reported cases by state and by month, United States, 1980

Area	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
<b>United States</b>	<b>19,015</b>	<b>1,419</b>	<b>1,333</b>	<b>1,465</b>	<b>1,438</b>	<b>1,490</b>	<b>1,519</b>	<b>1,513</b>	<b>1,580</b>	<b>1,640</b>	<b>1,736</b>	<b>1,695</b>	<b>1,943</b>	<b>244</b>
<b>New England</b>	<b>842</b>	<b>56</b>	<b>60</b>	<b>58</b>	<b>53</b>	<b>82</b>	<b>46</b>	<b>52</b>	<b>62</b>	<b>87</b>	<b>78</b>	<b>83</b>	<b>125</b>	<b>—</b>
Maine	30	3	6	1	1	1	3	3	2	1	1	1	7	—
N. H.	34	2	—	5	4	4	4	1	3	1	2	5	3	—
Vt.	25	—	3	1	—	3	2	1	3	3	3	2	4	—
Mass.	299	25	30	22	20	27	20	20	22	32	27	26	28	—
R. I.	72	4	5	5	3	7	2	4	7	7	10	8	10	—
Conn.	382	22	16	24	25	40	15	23	25	43	35	41	73	—
<b>Mid. Atlantic</b>	<b>2,962</b>	<b>247</b>	<b>198</b>	<b>254</b>	<b>216</b>	<b>232</b>	<b>220</b>	<b>243</b>	<b>252</b>	<b>290</b>	<b>266</b>	<b>217</b>	<b>243</b>	<b>84</b>
N. Y. (excl. NYC)	525	39	31	46	43	31	43	45	42	58	49	37	61	—
N. Y. C.	562	66	40	66	26	47	40	34	47	52	53	49	42	—
N. J.	934	77	61	78	71	92	67	91	81	87	80	74	75	—
Pa.	941	65	66	64	76	62	70	73	82	93	84	57	65	84
<b>E.N. Central</b>	<b>2,302</b>	<b>149</b>	<b>151</b>	<b>159</b>	<b>202</b>	<b>148</b>	<b>217</b>	<b>203</b>	<b>160</b>	<b>168</b>	<b>223</b>	<b>218</b>	<b>286</b>	<b>18</b>
Ohio	434	39	28	28	43	30	38	52	31	28	40	30	40	7
Ind.	485	11	37	32	37	19	35	40	25	37	55	70	87	—
Ill.	575	23	29	47	60	32	73	42	39	50	37	53	90	—
Mich.	655	58	43	45	57	54	61	53	55	40	80	50	59	—
Wis.	153	18	14	7	5	13	10	16	10	13	11	15	10	11
<b>W.N. Central</b>	<b>601</b>	<b>45</b>	<b>46</b>	<b>48</b>	<b>45</b>	<b>37</b>	<b>52</b>	<b>30</b>	<b>74</b>	<b>41</b>	<b>50</b>	<b>64</b>	<b>69</b>	<b>—</b>
Minn.	125	11	7	11	12	12	9	4	9	7	4	25	14	—
Iowa	105	8	6	11	1	9	9	4	12	14	13	5	13	—
Mo.	205	20	16	12	14	10	18	11	36	10	14	17	27	—
N. Dak.	6	—	2	—	1	1	1	—	—	—	—	1	—	—
S. Dak.	8	1	1	—	—	—	1	—	—	—	3	1	—	—
Nebr.	60	3	2	5	10	1	5	3	2	4	6	5	14	—
Kans.	92	2	12	9	7	4	9	7	15	6	10	10	1	—
<b>S. Atlantic</b>	<b>4,271</b>	<b>350</b>	<b>351</b>	<b>339</b>	<b>327</b>	<b>377</b>	<b>339</b>	<b>277</b>	<b>331</b>	<b>400</b>	<b>352</b>	<b>363</b>	<b>329</b>	<b>136</b>
Del.	88	1	2	9	8	7	10	3	3	6	7	18	14	—
Md.	597	54	50	47	52	51	58	46	41	55	48	63	42	—
D. C.	103	8	7	6	10	10	13	11	5	6	10	5	12	—
Va.	520	61	37	51	43	41	35	37	57	43	33	41	41	—
W. Va.	76	4	4	10	11	8	1	8	4	4	6	6	10	—
N. C.	376	26	38	38	23	32	32	21	27	40	37	36	26	—
S. C.	492	26	53	41	46	51	50	17	28	54	33	51	42	—
Ga.	797	68	61	53	54	82	46	57	70	97	79	70	60	—
Fla.	1,222	102	99	84	80	95	94	77	96	95	99	83	82	136
<b>E.S. Central</b>	<b>1,044</b>	<b>77</b>	<b>83</b>	<b>98</b>	<b>64</b>	<b>90</b>	<b>96</b>	<b>79</b>	<b>78</b>	<b>64</b>	<b>79</b>	<b>130</b>	<b>106</b>	<b>—</b>
Ky.	177	25	11	18	8	17	26	15	7	1	16	22	11	—
Tenn.	467	34	46	55	36	34	32	23	39	37	34	40	57	—
Ala.	273	15	18	19	11	26	24	29	22	16	8	57	28	—
Miss.	127	3	8	6	9	13	14	12	10	10	21	11	10	—
<b>W.S. Central</b>	<b>1,515</b>	<b>80</b>	<b>110</b>	<b>125</b>	<b>96</b>	<b>137</b>	<b>119</b>	<b>126</b>	<b>158</b>	<b>137</b>	<b>125</b>	<b>128</b>	<b>174</b>	<b>—</b>
Ark.	159	15	22	14	14	7	12	12	10	10	15	15	13	—
La.	311	11	19	17	11	36	23	37	38	33	31	17	38	—
Okla.	226	14	15	19	11	21	15	21	22	20	24	14	30	—
Texas	819	40	54	75	60	73	68	56	88	74	55	82	93	—
<b>Mountain</b>	<b>690</b>	<b>62</b>	<b>52</b>	<b>53</b>	<b>67</b>	<b>51</b>	<b>50</b>	<b>49</b>	<b>42</b>	<b>61</b>	<b>53</b>	<b>57</b>	<b>87</b>	<b>6</b>
Mont.	21	2	1	4	1	1	2	—	1	—	2	—	1	—
Idaho	12	—	1	1	—	2	1	—	1	3	1	1	1	—
Wyo.	5	—	—	1	—	—	—	2	—	—	1	1	1	—
Colo.	234	29	12	15	33	18	23	15	12	22	19	16	20	—
N. Mex.	53	5	6	2	6	4	3	2	5	4	6	3	7	—
Ariz.	184	18	11	12	14	17	10	17	12	19	15	15	24	—
Utah	60	3	5	11	3	1	5	8	3	4	3	2	12	—
Nev.	121	5	16	7	10	8	6	5	8	9	6	19	22	—
<b>Pacific</b>	<b>4,788</b>	<b>353</b>	<b>282</b>	<b>331</b>	<b>368</b>	<b>336</b>	<b>380</b>	<b>454</b>	<b>423</b>	<b>392</b>	<b>510</b>	<b>435</b>	<b>524</b>	<b>—</b>
Wash.	256	20	11	24	22	26	25	19	15	13	41	12	28	—
Oreg.	408	23	29	35	26	49	42	23	24	27	31	50	49	—
Calif.	3,972	281	235	255	309	248	298	398	377	346	428	355	442	—
Alaska	33	4	2	2	1	4	2	3	—	4	2	5	4	—
Hawaii	119	25	5	15	10	9	13	11	7	2	8	13	1	—
Guam	5	—	1	2	1	—	1	—	—	—	—	—	—	—
P. R.	85	13	6	14	11	7	2	2	2	6	6	8	8	—
V. I.	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pac. Trust Terr.	—	—	—	—	—	—	—	—	—	—	—	—	—	—
C.N.M.I.	—	—	—	—	—	—	—	—	—	—	—	—	—	—

<sup>1</sup> Cases represent patients tested for HBsAg and found to be positive.

## HEPATITIS B — Reported cases by state and by age, United States, 1980

Area	Total	Under 1	1-4	5-9	10-14	15-19	20-24	25-29	30-39	40-49	50-59	60+	Unk.
United States	19,015	38 <sup>1</sup>	72 <sup>1</sup>	114	183	2,264	5,131 <sup>1</sup>	3,510 <sup>1</sup>	3,291	1,321	1,071	1,157	777
New England	842	2	2	4	6	76	201	176	161	78	51	57	28
Maine	30	—	—	1	—	3	4	4	7	4	2	2	3
N.H.	34	—	—	—	—	3	5	8	10	3	2	3	—
Vt.	25	—	—	—	—	1	3	1	4	6	7	2	1
Mass.	299	—	1	1	4	22	67	72	58	26	19	20	9
R.I.	72	—	—	—	—	7	19	16	13	9	5	2	1
Conn.	382	2	1	2	2	40	103	75	69	30	16	28	14
Mid. Atlantic	2,962	6	12	17	30	325	821	566	520	209	197	214	45
N.Y. (excl. NYC)	525	1	2	3	6	64	119	100	90	41	48	32	19
N.Y.C.	562 <sup>1</sup>	2	5	5	6	37	142	115	112	51	36	44	7
N.J.	934	2	4	5	5	104	286	173	163	61	50	62	19
Pa.	941	1	1	4	13	120	274	178	155	56	63	76	—
E.N. Central	2,302	5	8	15	21	267	584	436	406	166	144	167	83
Ohio	434	—	3	—	7	52	87	83	81	29	37	29	26
Ind.	485	2	1	1	4	92	152	94	62	29	14	19	15
Ill.	575	2	—	8	4	51	143	113	105	40	41	56	12
Mich.	655	1	3	5	5	58	160	121	125	55	43	53	26
Wis.	153	—	1	1	1	14	42	25	33	13	9	10	4
W.N. Central	601	2	7	5	7	71	184	116	89	39	32	21	28
Minn.	125	—	—	—	1	12	40	28	25	12	3	1	3
Iowa	105	1	2	2	2	9	23	27	15	5	10	3	6
Mo.	205	—	3	2	3	26	73	25	30	9	13	7	14
N. Dak.	6	—	—	—	—	2	1	2	1	—	—	—	—
S. Dak.	8	—	—	—	—	2	—	2	—	—	—	3	1
Nebr.	60	—	1	—	—	6	17	15	8	6	3	3	1
Kans.	92	1	2	—	1	14	30	17	10	7	3	4	3
S. Atlantic	4,271	13	15	17	44	484	1,160	752	689	290	255	300	252
Del.	88	—	—	—	3	5	21	6	6	4	1	1	40
Md.	597	2	1	—	3	78	211	105	101	37	23	29	7
D.C.	103	—	—	—	—	4	22	25	20	9	3	3	17
Va.	520	1	4	2	7	62	125	105	85	40	33	31	25
W. Va.	76	—	—	—	2	6	23	16	12	4	6	7	—
N.C.	376	1	—	1	4	53	103	72	46	34	30	29	3
S.C.	492	—	1	5	12	58	121	77	90	32	33	26	37
Ga.	797	6	6	1	7	84	204	117	131	49	45	44	103
Fla.	1,222	3	3	7	6	134	330	229	198	81	81	130	20
E.S. Central	1,044	2	2	4	4	151	297	183	167	91	58	71	14
Ky.	177	—	1	1	—	24	48	24	35	10	10	14	10
Tenn.	467	2	1	2	2	68	113	98	71	52	29	29	—
Ala.	273	—	—	—	2	38	95	44	43	20	12	18	1
Miss.	127	—	—	1	—	21	41	17	18	9	7	10	3
W.S. Central	1,515	6	10	18	24	192	393	234	249	104	70	91	124
Ark.	159	—	3	2	1	26	42	28	21	8	7	13	8
La.	311	1	1	3	3	42	86	41	52	23	10	16	33
Okla.	226	1	3	2	3	32	58	39	48	20	9	6	5
Tex.	819	4	3	11	17	92	207	126	128	53	44	56	78
Mountain	690	1 <sup>1</sup>	2 <sup>1</sup>	5	6	77	121 <sup>1</sup>	110 <sup>1</sup>	127	54	29	31	41
Mont.	21	—	1	1	—	3	8	2	3	3	—	—	6
Idaho	12	—	—	—	—	—	—	—	1	—	1	—	—
Wyo.	5	—	—	—	—	—	3	—	—	—	2	—	—
Colo.	234	1	—	1	2	34	53	61	46	15	4	5	12
N. Mex.	53	—	—	—	1	4	15	9	11	2	3	1	7
Ariz.	184	( . . . 3 . . . )	—	—	2	—	10	( . . . 83 . . . )	32	18	10	20	6
Utah	60	—	1	—	1	7	11	13	16	5	2	3	1
Nev.	121	—	—	1	1	16	32	25	18	10	7	2	9
Pacific	4,788	1	14	29	41	621	1,370	937	883	290	235	205	162
Wash.	256	—	—	3	2	18	54	66	59	14	13	19	8
Oreg.	408	—	1	2	3	42	98	83	92	23	21	18	25
Calif.	3,972	1	12	23	33	553	1,178	762	710	242	186	149	123
Alaska	33	—	—	—	2	4	7	5	6	4	2	1	2
Hawaii	119	—	1	1	1	4	33	21	16	7	13	18	4
Guam	5	—	—	—	—	—	2	1	1	—	—	1	—
P.R.	85	3	4	12	9	10	21	7	7	2	3	2	5
V.I.	—	—	—	—	—	—	—	—	—	—	—	—	—
Pac. Trust Terr.	—	—	—	—	—	—	—	—	—	—	—	—	—
C.N.M.I.	—	—	—	—	—	—	—	—	—	—	—	—	—

<sup>1</sup> Does not include cases reported by state of Arizona.<sup>2</sup> Cases represent patients tested for HBsAg and found to be positive.

# HEPATITIS

## HEPATITIS, UNSPECIFIED — Reported cases by state and by month, United States, 1980

Area	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
<b>United States</b>	<b>11,894</b>	<b>854</b>	<b>949</b>	<b>988</b>	<b>1,028</b>	<b>976</b>	<b>874</b>	<b>977</b>	<b>1,034</b>	<b>935</b>	<b>1,135</b>	<b>1,028</b>	<b>1,024</b>	<b>92</b>
<b>New England</b>	<b>236</b>	<b>15</b>	<b>23</b>	<b>17</b>	<b>13</b>	<b>22</b>	<b>17</b>	<b>16</b>	<b>21</b>	<b>16</b>	<b>24</b>	<b>24</b>	<b>28</b>	--
Maine	18	1	1	--	1	--	1	3	1	2	5	1	2	--
N. H.	13	1	--	--	2	2	--	--	3	1	2	2	--	--
Vt.	5	--	--	1	1	--	1	--	--	--	1	--	--	--
Mass.	134	9	16	9	6	6	14	10	13	10	13	12	16	--
R.I.	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Conn.	66	4	6	7	3	14	1	3	3	3	3	9	10	--
<b>Mid. Atlantic</b>	<b>908</b>	<b>76</b>	<b>60</b>	<b>64</b>	<b>81</b>	<b>77</b>	<b>89</b>	<b>90</b>	<b>73</b>	<b>79</b>	<b>82</b>	<b>56</b>	<b>75</b>	<b>6</b>
N.Y. (excl. NYC)	252	21	27	19	16	22	22	17	22	17	18	18	24	--
N.Y.C.	153 <sup>1</sup>	18	9	12	14	12	9	9	11	18	20	10	11	--
N.J.	347	29	21	16	37	37	34	41	27	22	29	20	34	--
Pa.	156	8	3	9	11	12	24	18	18	17	16	8	6	6
<b>E.N. Central</b>	<b>1,147</b>	<b>96</b>	<b>92</b>	<b>85</b>	<b>111</b>	<b>74</b>	<b>67</b>	<b>98</b>	<b>74</b>	<b>104</b>	<b>110</b>	<b>103</b>	<b>121</b>	<b>12</b>
Ohio	403	40	38	27	46	34	18	38	30	28	36	25	31	12
Ind.	234	18	6	17	19	7	10	16	15	30	5	41	50	--
Ill.	209	12	16	16	17	11	23	20	12	14	35	15	18	--
Mich.	265	23	27	25	24	20	15	18	16	30	29	16	22	--
Wis.	36	3	5	--	5	2	1	6	1	2	5	6	--	--
<b>W.N. Central</b>	<b>338</b>	<b>29</b>	<b>24</b>	<b>22</b>	<b>30</b>	<b>32</b>	<b>25</b>	<b>22</b>	<b>32</b>	<b>20</b>	<b>35</b>	<b>36</b>	<b>31</b>	--
Minn.	20	1	--	2	1	--	1	2	1	1	3	4	4	--
Iowa	77	6 <sup>a</sup>	12	4	6	5	8	4	8	8	4	8	4	--
Mo.	176	17	10	13	14	18	13	11	17	6	23	13	21	--
N.Dak.	4	--	1	--	--	--	--	--	--	1	--	1	1	--
S. Dak.	2	--	--	--	1	--	1	--	--	--	--	--	--	--
Nebr.	21	1	1	--	2	--	--	2	2	4	3	5	1	--
Kans.	38	4	--	3	6	9	2	3	4	--	2	5	--	--
<b>S. Atlantic</b>	<b>1,697</b>	<b>137</b>	<b>124</b>	<b>170</b>	<b>130</b>	<b>169</b>	<b>123</b>	<b>131</b>	<b>153</b>	<b>139</b>	<b>132</b>	<b>115</b>	<b>100</b>	<b>74</b>
Del.	17	1	--	1	1	3	1	--	2	2	3	2	1	--
Md.	346	29	25	25	27	34	28	30	29	37	29	27	26	--
D.C.	14	2	--	--	--	--	--	4	2	1	3	--	2	--
Va.	169	17	15	23	12	12	4	7	18	14	12	18	17	--
W. Va.	17	1	1	1	1	--	1	2	1	1	7	1	--	--
N.C.	215	22	23	25	21	19	17	12	22	13	10	13	18	--
S.C.	80	5	10	11	5	16	4	5	6	4	5	6	3	--
Ga.	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fla.	839	60	50	84	63	85	68	71	73	67	63	48	33	74
<b>E.S. Central</b>	<b>265</b>	<b>8</b>	<b>17</b>	<b>16</b>	<b>21</b>	<b>27</b>	<b>18</b>	<b>23</b>	<b>19</b>	<b>19</b>	<b>24</b>	<b>39</b>	<b>34</b>	--
Ky.	61	2	--	5	4	12	4	3	3	2	10	11	5	--
Tenn.	66	3	7	3	3	5	1	3	3	9	5	12	12	--
Ala.	138	3	10	8	14	10	13	17	13	8	9	16	17	--
Miss.	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<b>W.S. Central</b>	<b>2,772</b>	<b>137</b>	<b>261</b>	<b>288</b>	<b>252</b>	<b>290</b>	<b>219</b>	<b>169</b>	<b>247</b>	<b>165</b>	<b>263</b>	<b>257</b>	<b>224</b>	--
Ark.	102	13	2	7	7	4	4	13	4	6	15	19	8	--
La.	239	4	26	20	16	23	27	17	10	15	35	17	29	--
Okla.	237	11	21	29	25	34	25	15	24	16	16	5	16	--
Texas	2,194	109	212	232	204	229	163	124	209	128	197	216	171	--
<b>Mountain</b>	<b>1,465</b>	<b>150</b>	<b>140</b>	<b>106</b>	<b>169</b>	<b>123</b>	<b>87</b>	<b>142</b>	<b>91</b>	<b>110</b>	<b>130</b>	<b>87</b>	<b>130</b>	--
Mont.	10	1	--	1	--	2	1	2	--	--	2	1	--	--
Idaho	3	--	1	--	--	1	--	--	1	--	--	--	--	--
Wyo.	10	--	3	1	--	--	1	1	2	1	--	--	1	--
Colo.	158	13	18	14	16	11	11	9	13	12	14	15	12	--
N. Mex.	21	--	3	5	2	--	--	--	1	--	2	4	4	--
Ariz.	879	95	68	69	122	92	54	98	52	70	70	41	58	--
Utah	211	28	23	9	11	10	9	22	14	7	32	6	40	--
Nev.	173	13	34	7	18	7	11	10	8	20	10	20	15	--
<b>Pacific</b>	<b>3,066</b>	<b>206</b>	<b>208</b>	<b>220</b>	<b>221</b>	<b>162</b>	<b>229</b>	<b>286</b>	<b>324</b>	<b>283</b>	<b>335</b>	<b>311</b>	<b>281</b>	--
Wash.	168	19	13	12	5	20	13	14	15	19	16	9	13	--
Oreg.	69	1	5	6	7	4	4	6	10	3	6	11	6	--
Calif.	2,773	180	187	199	202	135	203	258	293	260	308	288	260	--
Alaska	28	--	2	1	4	1	5	5	5	--	3	1	1	--
Hawaii	28	6	1	2	3	2	4	3	1	1	2	2	1	--
Guam	80	7	6	13	6	8	8	1	6	7	9	7	2	--
P. R.	251	25	17	23	19	22	23	19	11	37	14	22	19	--
V.I.	4	--	--	1	1	1	--	--	--	1	--	--	--	--
Pac. Trust Terr.	58	32	2	2	1	7	2	--	--	5	3	2	2	--
C.N.M.I.	15	4	3	3	1	--	2	1	--	--	--	--	1	--

<sup>1</sup> Cases represent patients not tested for HBsAg.



# HEPATITIS

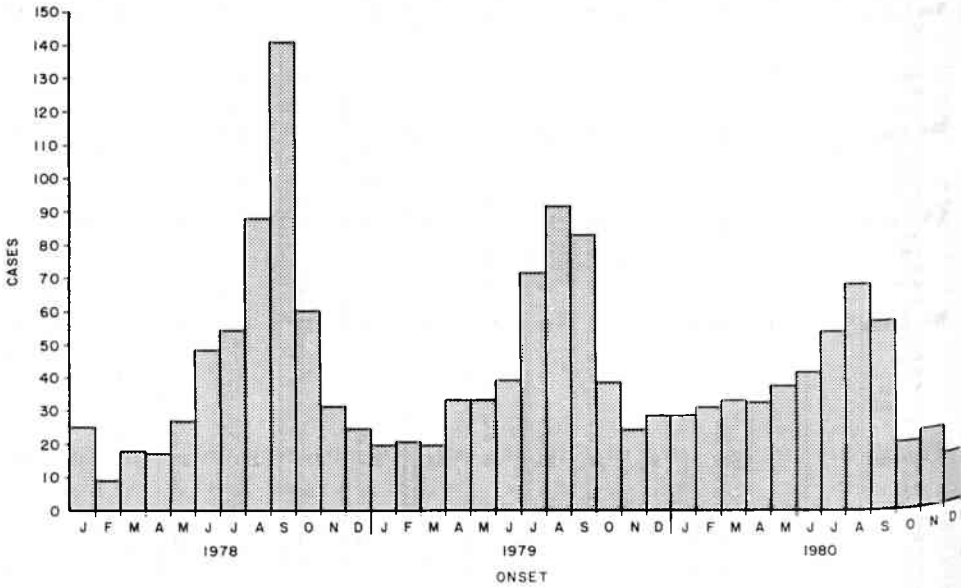
## HEPATITIS, UNSPECIFIED — Reported cases by state and by age, United States, 1980

Area	Total	Under 1	1-4	5-9	10-14	15-19	20-24	25-29	30-39	40-49	50-59	60+	Unk.
<b>United States</b>	<b>11,894</b>	<b>30<sup>1</sup></b>	<b>279<sup>1</sup></b>	<b>867</b>	<b>742</b>	<b>1,353</b>	<b>2,304<sup>1</sup></b>	<b>1,765<sup>1</sup></b>	<b>1,650</b>	<b>817</b>	<b>613</b>	<b>798</b>	<b>330</b>
<b>New England</b>	<b>236</b>	—	<b>8</b>	<b>4</b>	<b>6</b>	<b>21</b>	<b>62</b>	<b>37</b>	<b>33</b>	<b>22</b>	<b>10</b>	<b>22</b>	<b>11</b>
Maine	18	—	—	—	—	4	4	3	2	2	—	3	—
N.H.	13	—	—	—	1	2	4	2	2	1	—	—	1
Vt.	5	—	1	—	—	—	1	—	1	1	—	—	1
Mass.	134	—	7	4	3	13	44	20	15	11	7	5	5
R.I.	—	—	—	—	—	—	—	—	—	—	—	—	—
Conn.	66	—	—	—	2	2	9	12	13	7	3	13	5
<b>Mid. Atlantic</b>	<b>908</b>	—	<b>8</b>	<b>35</b>	<b>30</b>	<b>89</b>	<b>207</b>	<b>160</b>	<b>136</b>	<b>60</b>	<b>75</b>	<b>97</b>	<b>11</b>
N.Y. (excl. NYC)	252	—	1	14	10	22	39	44	38	16	28	32	8
N.Y.C.	153 <sup>2</sup>	—	3	14	9	9	38	26	27	9	11	7	—
N.J.	347	—	1	7	5	44	89	62	48	24	26	38	3
Pa.	156	—	3	—	6	14	41	28	23	11	10	20	—
<b>E.N. Central</b>	<b>1,147</b>	<b>8</b>	<b>21</b>	<b>61</b>	<b>68</b>	<b>125</b>	<b>212</b>	<b>187</b>	<b>161</b>	<b>95</b>	<b>73</b>	<b>108</b>	<b>28</b>
Ohio	403	2	9	22	26	33	85	73	56	24	25	32	16
Ind.	234	3	5	11	19	30	53	36	32	16	9	15	5
Ill.	209	—	1	9	11	18	24	35	31	26	21	31	2
Mich.	265	2	6	19	12	41	42	36	35	23	16	29	4
Wis.	36	1	—	—	—	3	8	7	6	2	1	1	1
<b>W.N. Central</b>	<b>338</b>	—	<b>4</b>	<b>13</b>	<b>18</b>	<b>47</b>	<b>67</b>	<b>39</b>	<b>44</b>	<b>33</b>	<b>23</b>	<b>34</b>	<b>16</b>
Minn.	20	—	—	—	2	—	7	2	4	2	2	—	1
Iowa	77	—	1	2	4	5	8	15	17	11	7	6	1
Mo.	176	—	2	6	6	34	39	19	16	12	12	17	13
N. Dak.	4	—	—	—	—	—	—	—	—	—	—	—	—
S. Dak.	21	—	—	1	—	—	—	1	—	—	1	—	—
Nebr.	2	—	—	4	—	4	—	—	—	—	—	3	—
Kans.	38	—	1	4	4	4	6	2	5	3	1	7	1
<b>S. Atlantic</b>	<b>1,697</b>	<b>5</b>	<b>20</b>	<b>36</b>	<b>56</b>	<b>187</b>	<b>350</b>	<b>276</b>	<b>261</b>	<b>159</b>	<b>116</b>	<b>190</b>	<b>41</b>
Del.	17	—	—	1	—	4	1	2	3	3	1	1	1
Md.	346	1	5	6	11	42	76	54	54	36	17	38	6
D.C.	14	—	—	—	2	2	3	1	2	—	—	2	2
Va.	169	—	4	—	7	17	37	34	19	14	14	21	2
W. Va.	17	—	—	1	2	1	8	1	1	1	—	1	1
N.C.	215	1	—	2	7	23	52	36	36	20	19	17	2
S.C.	80	1	—	—	3	10	15	14	16	6	6	4	5
Ga.	—	—	—	—	—	—	—	—	—	—	—	—	—
Fla.	839	2	11	26	24	88	158	134	130	79	59	106	22
<b>E.S. Central</b>	<b>265</b>	—	<b>4</b>	<b>9</b>	<b>10</b>	<b>29</b>	<b>45</b>	<b>37</b>	<b>30</b>	<b>28</b>	<b>24</b>	<b>46</b>	<b>3</b>
Ky.	61	—	2	4	3	7	10	10	11	3	2	6	3
Tenn.	66	—	—	—	1	8	10	11	8	6	7	15	—
Ala.	138	—	2	5	6	14	25	16	11	19	15	25	—
Miss.	—	—	—	—	—	—	—	—	—	—	—	—	—
<b>W.S. Central</b>	<b>2,772</b>	<b>15</b>	<b>92</b>	<b>358</b>	<b>276</b>	<b>343</b>	<b>541</b>	<b>396</b>	<b>332</b>	<b>139</b>	<b>95</b>	<b>105</b>	<b>80</b>
Ark.	102	—	4	6	8	7	23	22	10	3	5	8	6
La.	239	—	1	10	13	24	54	37	32	18	14	16	20
Okla.	237	1	6	14	18	26	37	37	41	17	12	18	10
Texas	2,194	14	81	328	237	286	427	300	249	101	64	63	44
<b>Mountain</b>	<b>1,465</b>	— <sup>1</sup>	<b>23<sup>1</sup></b>	<b>127</b>	<b>111</b>	<b>146</b>	<b>115<sup>1</sup></b>	<b>111<sup>1</sup></b>	<b>233</b>	<b>87</b>	<b>56</b>	<b>61</b>	<b>49</b>
Mont.	10	—	1	2	1	—	2	2	—	—	—	1	—
Idaho	3	—	—	—	—	—	—	—	1	—	—	—	—
Wyo.	10	—	2	1	1	—	2	3	1	—	—	—	—
Colo.	158	—	4	7	5	17	33	33	25	9	10	8	7
N. Mex.	21	—	3	2	—	2	4	2	4	1	2	—	1
Ariz.	879	(... 51 ...)	(... 92 ...)	76	89	(... 295 ...)	(... 137 ...)	(... 46 ...)	31	40	22	—	—
Utah	211	—	10	19	22	21	32	37	33	12	4	4	17
Nev.	173	—	3	4	6	17	41	34	32	18	9	8	1
<b>Pacific</b>	<b>3,066</b>	<b>2</b>	<b>99</b>	<b>224</b>	<b>167</b>	<b>366</b>	<b>705</b>	<b>522</b>	<b>420</b>	<b>194</b>	<b>141</b>	<b>135</b>	<b>91</b>
Wash.	168	—	4	5	8	19	35	35	19	12	12	15	4
Oreg.	69	—	1	2	—	6	14	19	14	2	3	3	5
Calif.	2,773	—	94	216	157	334	646	462	379	176	119	112	78
Alaska	28	—	—	—	1	4	4	3	7	3	1	1	4
Hawaii	28	2	—	1	1	3	6	3	1	1	6	4	—
Guam	80	2	1	15	12	10	10	10	10	6	2	—	2
P.R.	251	1	16	74	40	28	23	15	20	9	7	6	12
V.I.	4	—	—	—	—	—	—	—	2	—	—	1	1
Pac. Trust Terr.	58	(... NA ...)	(... NA ...)	(... NA ...)	(... NA ...)	(... NA ...)	(... NA ...)	(... NA ...)	(... NA ...)	(... NA ...)	(... NA ...)	(... NA ...)	(... NA ...)
C.N.M.I.	15	(... NA ...)	(... NA ...)	(... NA ...)	(... NA ...)	(... NA ...)	(... NA ...)	(... NA ...)	(... NA ...)	(... NA ...)	(... NA ...)	(... NA ...)	(... NA ...)

<sup>1</sup> Does not include cases reported by state of Arizona.  
<sup>2</sup> Cases represent patients not tested for HBsAg.

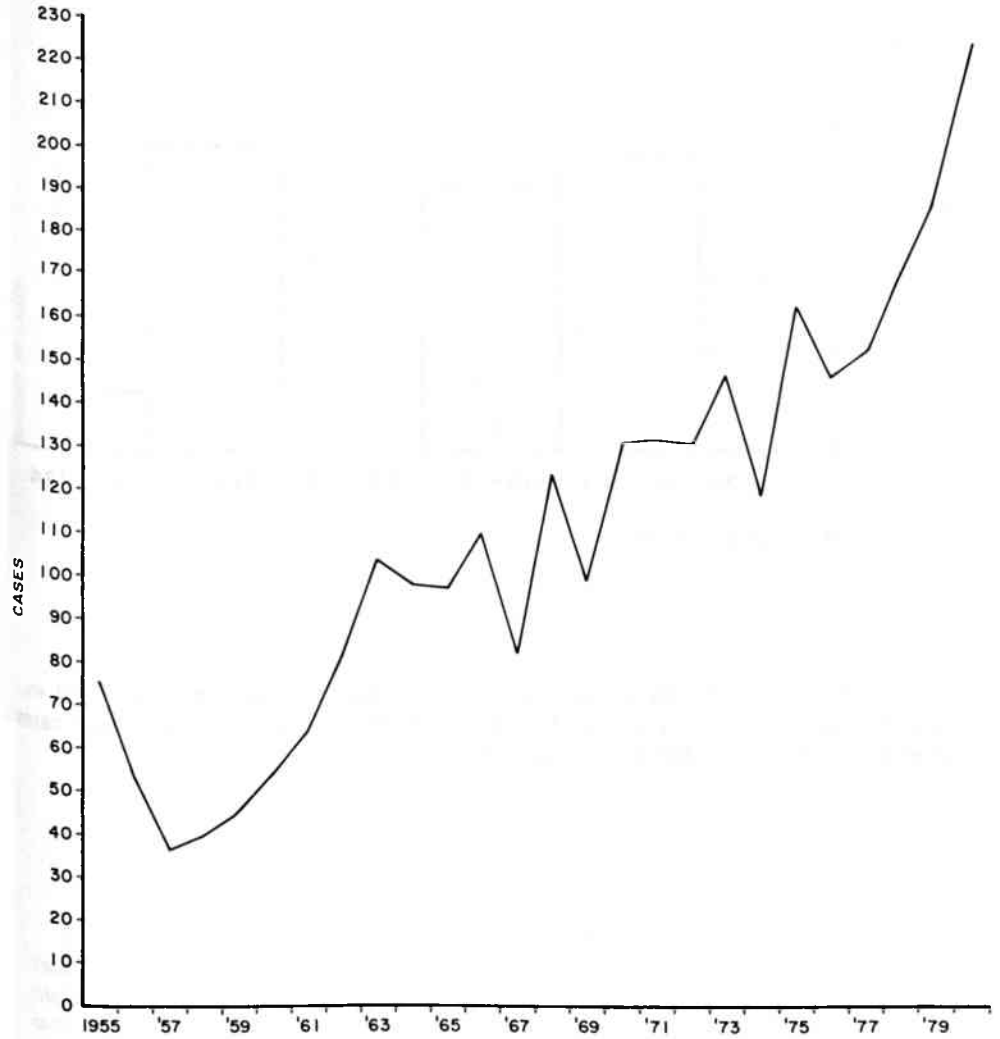
# LEGIONELLOSIS

## LEGIONELLOSIS — Reported sporadic cases by month of onset, United States, 1978-1980



Sporadic legionellosis continues to exhibit seasonality, with 51% of all reported cases for 1979-1980 having had onset in July-October. Approximately, the same number of cases were reported for 1978 and 1979; the decrease in cases in 1980 is probably due in large part to delayed reporting. Sporadic legionellosis continues to be diagnosed more frequently in men (68% of cases in 1980) and among those in the 50-69-year age range (55% of cases in 1980). The case-fatality ratio for 1980 was 16%. The only recognized outbreaks of legionellosis in 1980 occurred in a San Francisco hotel (February-March, 6 cases) and at the University Medical Center in Burlington, Vermont.

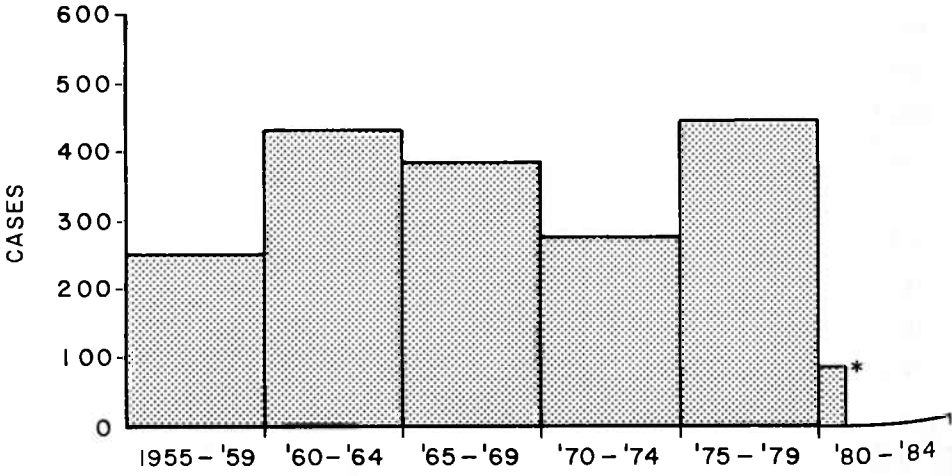
## LEPROSY — Reported cases by year, United States, 1955-1980



The reported cases of leprosy continue to increase, but this represents an increase in imported cases rather than indigenous transmission.

# LEPTOSPIROSIS

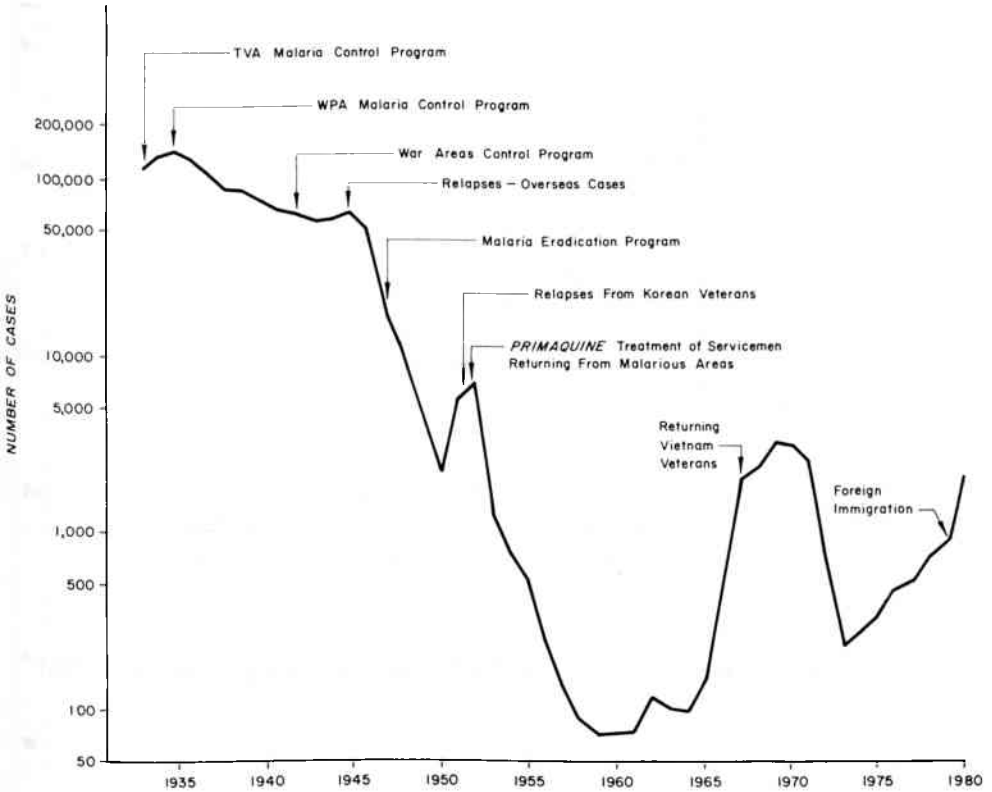
LEPTOSPIROSIS — Reported cases by 5-year periods, United States, 1955-1980



\*85 CASES FOR 1980.

Less than 100 cases of leptospirosis are reported annually (1964 and 1978 excepted). Because leptospirosis has few distinctive clinical features, many more cases than those reported probably occur each year.

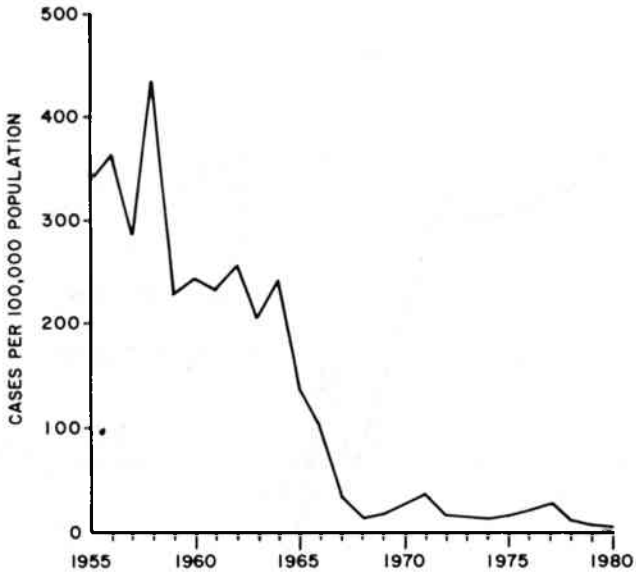
MALARIA – Reported cases by year, United States, 1933-1980



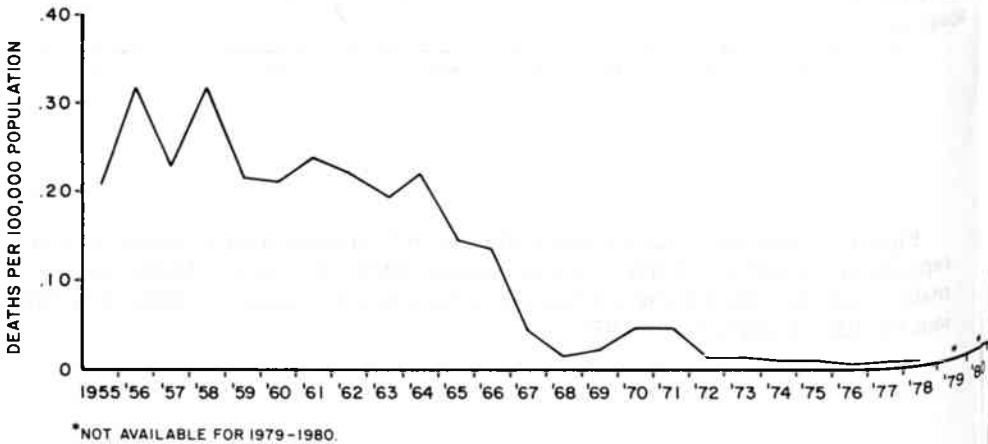
Eighty-one percent of all the reported cases in 1980 were among foreign civilians, representing a 141% increase in this group over 1979. There was a 136% increase in malaria cases reported in the military personnel and a 32% increase among U.S. civilians for 1980 compared with 1979.

# MEASLES

MEASLES (Rubeola) – Reported case rates by year, United States, 1955-1980



MEASLES (Rubeola) – Reported death rates by year, United States, 1955-1980



In 1980 the reported occurrence of measles decreased to its lowest level since measles became nationally notifiable. This represented a 3.6% decrease from 1979, the previous year of lowest reported occurrence. A national effort is under way to eliminate indigenous measles from the United States, by October 1, 1982.

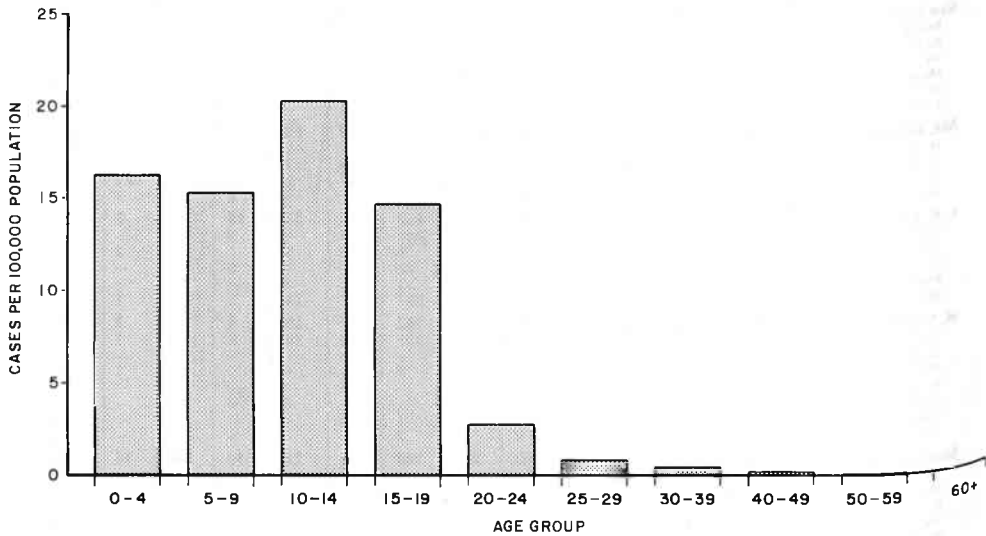
## MEASLES

MEASLES (Rubeola) — Reported cases by state and by month, United States, 1980

Area	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
<b>United States</b>	<b>13,506</b>	<b>515</b>	<b>981</b>	<b>2,128</b>	<b>2,986</b>	<b>3,386</b>	<b>1,860</b>	<b>712</b>	<b>252</b>	<b>106</b>	<b>162</b>	<b>139</b>	<b>187</b>	<b>92</b>
<b>New England</b>	<b>677</b>	<b>28</b>	<b>101</b>	<b>150</b>	<b>192</b>	<b>127</b>	<b>60</b>	<b>9</b>	<b>5</b>	<b>2</b>	<b>1</b>		<b>2</b>	
Maine	33	—	—	4	17	4	8	—	—	—	—	—	—	—
N. H.	332	10	68	69	66	75	38	4	1	—	—	—	1	—
Vt.	226	17	32	66	88	20	3	—	—	—	—	—	—	—
Mass.	59	—	—	9	13	19	8	5	4	—	—	—	1	—
R. I.	2	1	—	1	—	—	—	—	—	—	—	—	—	—
Conn.	25	—	1	1	8	9	3	—	—	2	1	—	—	—
<b>Mid. Atlantic</b>	<b>3,940</b>	<b>74</b>	<b>173</b>	<b>553</b>	<b>1,101</b>	<b>1,063</b>	<b>516</b>	<b>230</b>	<b>58</b>	<b>28</b>	<b>19</b>	<b>45</b>	<b>80</b>	
N. Y. (excl. N. Y. C.)	735	31	46	126	188	162	63	51	15	11	6	18	18	—
N. Y. C.	1,210	29	45	165	258	310	242	98	27	13	7	5	11	—
N. J.	856	14	9	128	256	231	139	47	6	2	—	21	3	—
Pa.	1,139	—	73	134	399	360	72	34	10	2	6	1	48	—
<b>E. N. Central</b>	<b>2,459</b>	<b>80</b>	<b>138</b>	<b>334</b>	<b>481</b>	<b>718</b>	<b>402</b>	<b>174</b>	<b>88</b>	<b>10</b>	<b>26</b>	<b>3</b>	<b>5</b>	
Ohio	380	36	31	76	66	124	41	3	1	2	—	—	—	—
Ind.	97	2	12	23	30	17	4	2	1	1	1	2	2	—
Ill.	351	9	42	45	70	97	37	27	7	5	9	—	3	—
Mich.	250	22	35	40	75	20	33	5	5	—	15	—	—	—
Wis.	1,381	11	18	150	240	460	287	137	74	2	1	1	—	—
<b>W. N. Central</b>	<b>1,341</b>	<b>52</b>	<b>98</b>	<b>280</b>	<b>328</b>	<b>349</b>	<b>162</b>	<b>42</b>	<b>16</b>	<b>6</b>	<b>3</b>	<b>2</b>	<b>3</b>	
Minn.	1,104	18	66	198	280	319	157	39	16	6	2	1	2	—
Iowa	20	—	—	—	17	3	—	—	—	—	—	—	—	—
Mo.	67	16	6	25	12	2	2	1	—	—	1	1	1	—
N. Dak.	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S. Dak.	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Nebr.	83	2	1	47	9	21	1	2	—	—	—	—	—	—
Kans.	67	16	25	10	10	4	2	—	—	—	—	—	—	—
<b>South Atlantic</b>	<b>2,014</b>	<b>155</b>	<b>304</b>	<b>428</b>	<b>450</b>	<b>267</b>	<b>199</b>	<b>56</b>	<b>29</b>	<b>19</b>	<b>59</b>	<b>14</b>	<b>28</b>	<b>6</b>
Del.	4	—	1	—	—	—	2	—	—	—	—	—	1	—
Md.	84	3	—	15	7	35	5	1	6	4	—	—	—	—
D. C.	5	—	—	—	—	—	—	—	—	—	5	—	—	—
Va.	339	12	53	79	63	57	30	4	1	6	33	1	—	—
W. Va.	10	1	—	2	3	1	—	—	—	—	1	—	—	—
N.C.	130	1	28	7	56	14	16	6	—	1	1	—	—	—
S. C.	159	—	—	91	24	17	7	18	2	—	—	—	—	—
Ga.	851	85	156	128	214	82	115	15	11	1	14	9	16	5
Fla.	432	53	58	106	83	61	24	10	9	7	5	4	11	1
<b>E.S. Central</b>	<b>348</b>	<b>38</b>	<b>52</b>	<b>13</b>	<b>22</b>	<b>137</b>	<b>44</b>	<b>21</b>	<b>4</b>			<b>2</b>	<b>15</b>	
Ky.	57	19	9	3	3	8	9	1	3	—	—	2	—	—
Tenn.	170	1	3	2	9	108	26	20	1	—	—	—	—	—
Ala.	22	6	6	3	1	1	5	—	—	—	—	—	—	—
Miss.	99	12	34	5	9	20	4	—	—	—	—	—	15	—
<b>W. S. Central</b>	<b>985</b>	<b>4</b>	<b>56</b>	<b>199</b>	<b>203</b>	<b>379</b>	<b>61</b>	<b>20</b>	<b>16</b>	<b>3</b>	<b>14</b>	<b>17</b>	<b>13</b>	
Ark.	14	—	1	5	4	3	1	—	—	—	—	—	—	—
La.	15	—	3	4	—	4	—	—	—	—	1	1	2	—
Okl.	775	1	10	166	169	364	48	11	5	—	—	—	—	—
Texas	181	3	42	24	30	8	12	9	11	3	12	16	11	—
<b>Mountain</b>	<b>500</b>	<b>21</b>	<b>13</b>	<b>30</b>	<b>66</b>	<b>114</b>	<b>128</b>	<b>84</b>	<b>14</b>	<b>6</b>	<b>5</b>	<b>14</b>	<b>5</b>	
Mont.	2	—	1	—	—	—	—	1	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Wyo.	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Colo.	24	—	2	—	4	3	8	6	1	—	—	—	—	—
N. Mex.	12	—	1	2	4	2	2	1	—	—	—	—	—	—
Ariz.	403	8	2	17	47	103	113	74	13	6	4	13	3	—
Utah	47	12	6	11	10	2	5	1	—	—	—	—	—	—
Nev.	12	1	1	—	1	4	—	1	—	—	1	1	2	—
<b>Pacific</b>	<b>1,242</b>	<b>63</b>	<b>46</b>	<b>141</b>	<b>143</b>	<b>232</b>	<b>288</b>	<b>76</b>	<b>22</b>	<b>32</b>	<b>35</b>	<b>42</b>	<b>36</b>	<b>86</b>
Wash.	178	11	10	78	19	35	13	4	4	3	—	1	—	—
Oreg.	1	—	—	—	—	—	—	—	—	—	—	—	—	—
Calif.	1,051	52	35	57	123	195	275	72	17	28	35	41	35	86
Alaska	6	—	—	5	—	—	—	—	—	1	—	—	—	—
Hawaii	6	—	1	1	1	2	—	—	1	—	—	—	—	—
Guam	7	1	—	1	1	1	1	—	—	1	—	—	—	—
P. R.	231	13	7	27	19	24	20	15	21	23	12	28	22	—
V. I.	6	—	5	—	—	—	—	1	—	—	—	—	—	—
Pac. Trust Terr.	12	2	1	—	—	3	—	—	—	4	2	—	—	—
C.N.M.I.	—	—	—	—	—	—	—	—	—	—	—	—	—	—

# MEASLES

## MEASLES (Rubeola) – Reported case rates by age group,\* United States, 1980



\*EXCLUDES UNKNOWN AGES.

The age-specific incidence rate for reported measles continued to be the highest for 10- to 14-year-olds in 1980. Persons 10 years of age and older accounted for 60% of measles cases with known age. However, as in 1979, preschool children (0-4 years) had the second highest measles incidence rate. From 1979 to 1980 the proportion of reported cases for which age was noted increased from 85% to 97%.

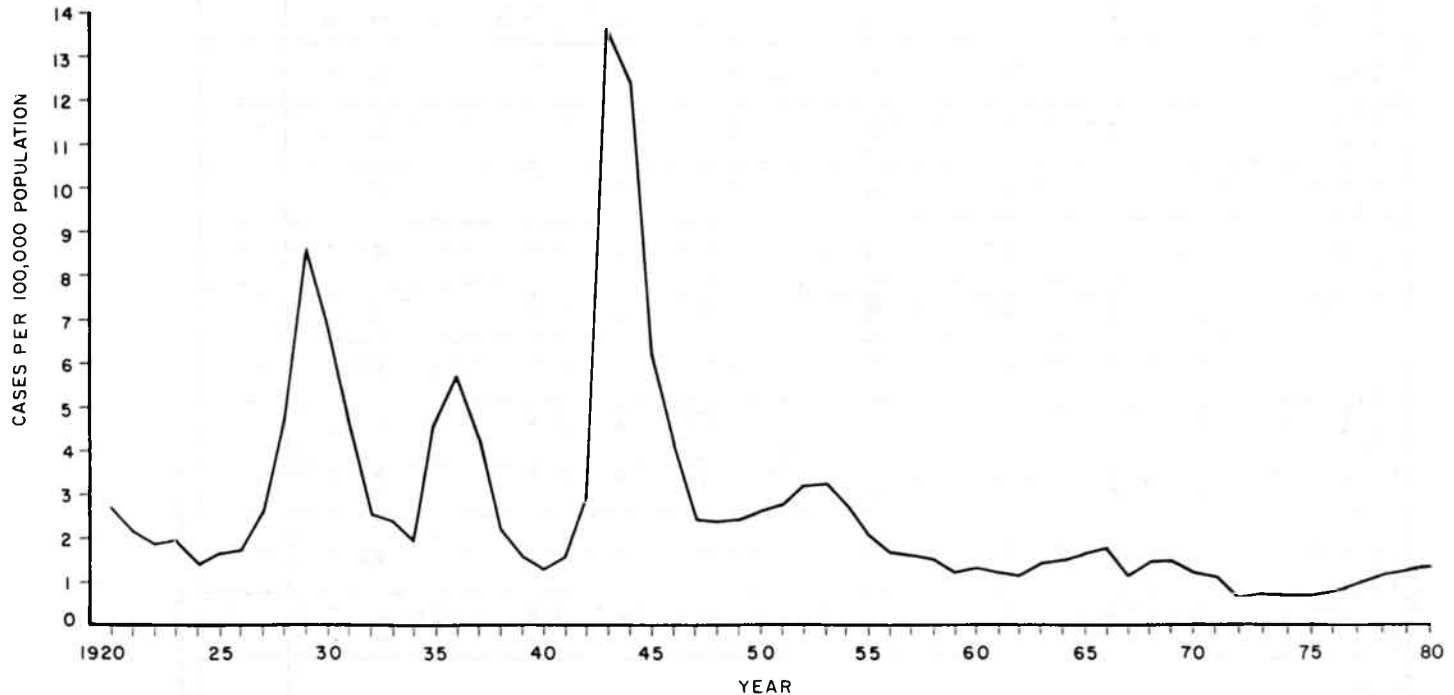


MEASLES (Rubeola) — Reported cases by state and by age, United States, 1980

Area	Total	Under 1	1-4	5-9	10-14	15-19	20-24	25-29	30-39	40-49	50-59	60+	Unk.
<b>United States</b>	<b>13,506</b>	<b>631<sup>1</sup></b>	<b>1,897<sup>1</sup></b>	<b>2,570</b>	<b>3,704</b>	<b>3,126</b>	<b>613<sup>1</sup></b>	<b>161<sup>1</sup></b>	<b>139</b>	<b>28</b>	<b>7</b>	<b>7</b>	<b>471</b>
<b>New England</b>	<b>677</b>	<b>18</b>	<b>54</b>	<b>115</b>	<b>250</b>	<b>166</b>	<b>37</b>	<b>15</b>	<b>14</b>	<b>5</b>	<b>1</b>	<b>—</b>	<b>2</b>
Maine	33	—	1	4	21	5	1	1	—	—	—	—	—
N.H.	332	5	30	66	125	86	9	5	4	2	—	—	—
Vt.	226	10	13	38	89	57	10	2	2	2	1	—	2
Mass.	59	—	7	5	15	12	11	3	5	1	—	—	—
R.I.	2	—	—	—	—	1	1	—	—	—	—	—	—
Conn.	25	3	3	2	—	5	5	4	3	—	—	—	—
<b>Mid. Atlantic</b>	<b>3,940</b>	<b>155</b>	<b>611</b>	<b>798</b>	<b>1,136</b>	<b>864</b>	<b>164</b>	<b>34</b>	<b>21</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>156</b>
N.Y. (excl. NYC)	735	21	69	166	193	214	47	12	8	1	—	—	—
N.Y.C.	1,210	91	312	239	239	189	40	21	13	—	—	—	66
N.J.	856	43	192	89	142	310	72	—	—	—	—	—	8
Pa.	1,139	—	38	304	562	151	5	1	—	—	—	—	78
<b>E.N. Central</b>	<b>2,459</b>	<b>135</b>	<b>372</b>	<b>637</b>	<b>775</b>	<b>378</b>	<b>77</b>	<b>24</b>	<b>24</b>	<b>—</b>	<b>1</b>	<b>1</b>	<b>35</b>
Ohio	380	5	22	74	178	93	4	3	1	—	—	—	—
Ind.	97	8	14	29	15	14	5	2	2	—	—	—	8
Ill.	351	38	57	108	86	37	8	2	1	—	—	1	13
Mich.	250	9	33	103	75	5	15	3	6	—	1	—	—
Wis.	1,381	75	246	323	421	229	45	14	14	—	—	—	14
<b>W.N. Central</b>	<b>1,341</b>	<b>27</b>	<b>127</b>	<b>228</b>	<b>398</b>	<b>438</b>	<b>85</b>	<b>20</b>	<b>8</b>	<b>4</b>	<b>—</b>	<b>1</b>	<b>5</b>
Minn.	1,104	22	92	189	341	365	64	17	7	3	—	—	4
Iowa	20	—	—	1	15	4	—	—	—	—	—	—	—
Mo.	67	3	14	10	4	22	9	2	1	—	—	1	1
N. Dak.	—	—	—	—	—	—	—	—	—	—	—	—	—
S. Dak.	—	—	—	—	—	—	—	—	—	—	—	—	—
Nebr.	83	1	13	19	25	22	3	—	—	—	—	—	—
Kans.	67	1	8	9	13	25	9	1	—	1	—	—	—
<b>S. Atlantic</b>	<b>2,104</b>	<b>107</b>	<b>232</b>	<b>324</b>	<b>472</b>	<b>650</b>	<b>135</b>	<b>33</b>	<b>28</b>	<b>6</b>	<b>1</b>	<b>3</b>	<b>23</b>
Del.	4	1	1	—	—	2	—	—	—	—	—	—	—
Md.	84	—	4	8	19	45	5	2	1	—	—	—	—
D.C.	5	—	—	—	—	—	—	—	—	—	—	—	—
Va.	339	10	31	46	90	114	33	5	7	2	1	—	5
W. Va.	10	7	2	—	—	—	—	—	—	—	—	—	—
N.C.	130	3	18	33	40	26	8	2	—	—	—	—	—
S.C.	159	5	9	8	27	94	13	3	—	—	—	—	—
Ga.	851	70	62	127	195	323	51	8	4	1	—	—	10
Fla.	432	11	105	101	101	46	25	13	16	3	—	3	8
<b>E.S. Central</b>	<b>348</b>	<b>14</b>	<b>46</b>	<b>48</b>	<b>63</b>	<b>81</b>	<b>18</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>77</b>
Ky.	57	7	9	10	7	23	1	—	—	—	—	—	—
Tenn.	170	6	26	32	47	45	13	1	—	—	—	—	—
Ala.	22	—	2	4	2	11	3	—	—	—	—	—	—
Miss.	99	1	9	2	7	2	1	—	—	—	—	—	77
<b>W.S. Central</b>	<b>985</b>	<b>77</b>	<b>206</b>	<b>187</b>	<b>311</b>	<b>115</b>	<b>19</b>	<b>4</b>	<b>7</b>	<b>1</b>	<b>—</b>	<b>1</b>	<b>57</b>
Ark.	14	—	3	2	7	1	1	—	—	—	—	—	—
La.	15	1	3	5	3	3	—	—	—	—	—	—	—
Okla.	775	41	160	133	263	99	12	4	5	1	—	1	56
Texas	181	35	40	47	38	12	6	—	2	—	—	—	1
<b>Mountain</b>	<b>500</b>	<b>12<sup>1</sup></b>	<b>39<sup>1</sup></b>	<b>89</b>	<b>112</b>	<b>83</b>	<b>6<sup>1</sup></b>	<b>1<sup>1</sup></b>	<b>4</b>	<b>—</b>	<b>1</b>	<b>—</b>	<b>1</b>
Mont.	2	—	1	—	—	—	—	1	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—	—	—	—	—	—
Wyo.	—	—	—	—	—	—	—	—	—	—	—	—	—
Colo.	24	2	7	7	4	1	2	—	1	—	—	—	—
N. Mex.	12	2	1	4	1	4	—	—	—	—	—	—	—
Ariz.	403	(... 138 ...)	(...)	69	105	74	(... 14 ...)	—	1	—	1	—	1
Utah	47	7	29	3	—	3	3	—	—	—	—	—	—
Nev.	12	1	1	6	2	1	1	—	—	—	—	—	—
<b>Pacific</b>	<b>1,242</b>	<b>86</b>	<b>210</b>	<b>144</b>	<b>187</b>	<b>351</b>	<b>72</b>	<b>29</b>	<b>33</b>	<b>11</b>	<b>3</b>	<b>1</b>	<b>115</b>
Wash.	178	16	28	22	29	71	5	3	3	—	—	—	1
Oreg.	1	—	1	—	—	—	—	—	—	—	—	—	—
Calif.	1,051	70	178	120	158	276	64	26	30	11	3	1	114
Alaska	6	—	1	—	—	3	2	—	—	—	—	—	—
Hawaii	6	—	2	2	—	1	1	—	—	—	—	—	—
Guam	7	3	3	1	—	—	—	—	—	—	—	—	—
P.R.	231	52	60	16	15	7	9	3	1	—	—	—	68
V.I.	6	—	3	—	2	—	1	—	—	—	—	—	—
Pac. Trust Terr.	12	(...)	(...)	(...)	(...)	(...)	(...)	(...)	(...)	(...)	(...)	(...)	12
C.N.M.I.	—	—	—	—	—	—	—	—	—	—	—	—	—

<sup>1</sup> Does not include cases reported by state of Arizona.

### MENINGOCOCCAL INFECTIONS (Total) – Reported case rates by year, United States, 1920-1980



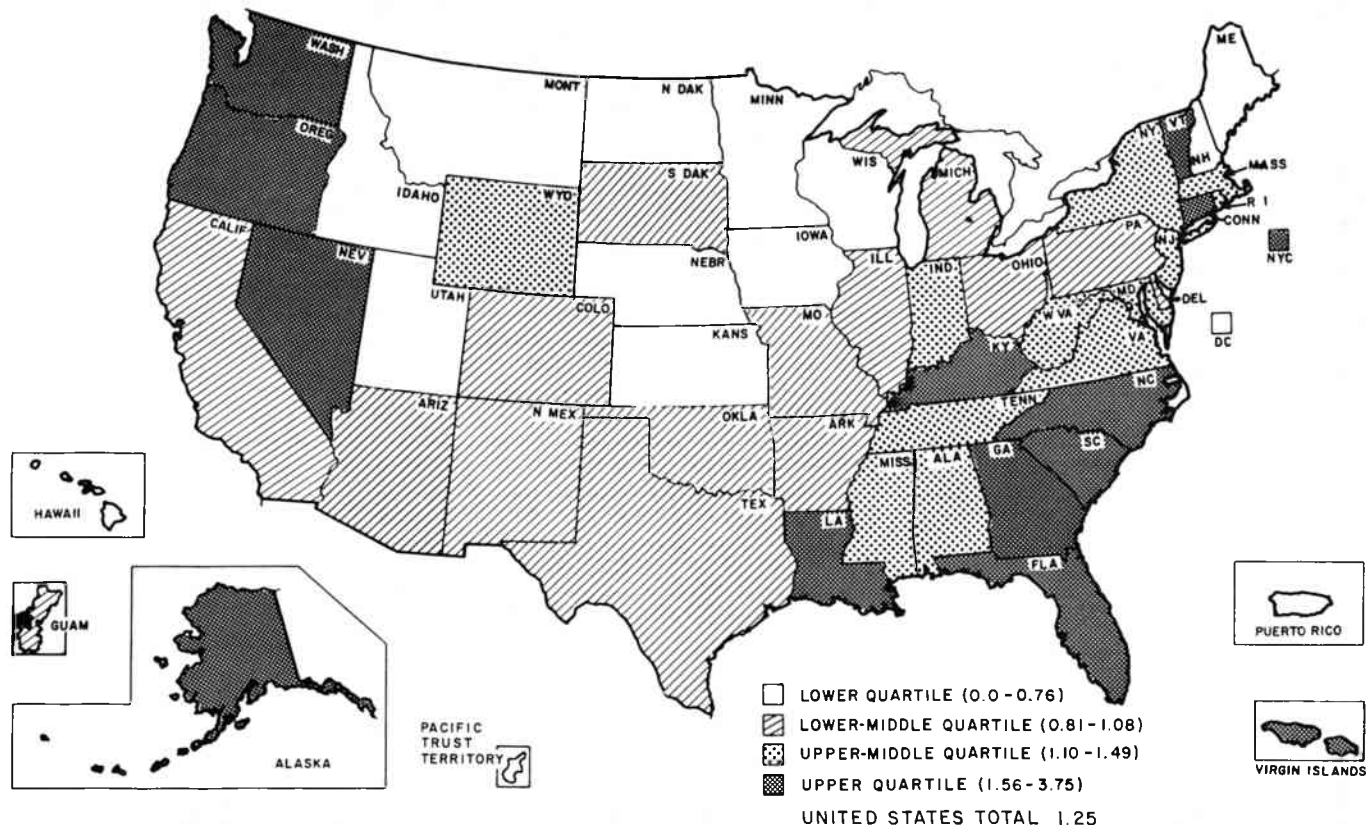
For 1980, 2,840 cases of meningococcal infection were reported, representing a rate similar to that observed in the preceding several years. The last major epidemic of meningococcal disease in this country occurred in 1943. Age-specific incidence rates for cases reported to CDC in 1980 showed that the peak incidence rate occurred in infants <1 year of age.

# MENINGOCOCCAL INFECTIONS

MENINGOCOCCAL INFECTIONS (Total) — Reported cases by state and by month, United States, 1980

State	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
<b>United States</b>	<b>2,840</b>	<b>265</b>	<b>280</b>	<b>362</b>	<b>280</b>	<b>249</b>	<b>199</b>	<b>162</b>	<b>143</b>	<b>148</b>	<b>206</b>	<b>226</b>	<b>287</b>	<b>33</b>
<b>New England</b>	<b>166</b>	<b>10</b>	<b>12</b>	<b>27</b>	<b>22</b>	<b>12</b>	<b>18</b>	<b>7</b>	<b>3</b>	<b>1</b>	<b>11</b>	<b>20</b>	<b>23</b>	<b>—</b>
Maine	6	—	1	1	—	1	—	2	—	—	—	1	—	—
N.H.	7	—	3	1	—	1	1	—	1	—	—	—	—	—
Vt.	17	—	1	5	3	—	4	—	—	—	1	1	2	—
Mass.	63	5	3	8	7	5	7	1	2	—	4	11	10	—
R.I.	13	—	1	2	3	—	1	—	—	—	2	3	1	—
Conn.	60	5	3	10	9	5	5	4	—	1	4	4	10	—
<b>Mid. Atlantic</b>	<b>484</b>	<b>44</b>	<b>55</b>	<b>61</b>	<b>46</b>	<b>52</b>	<b>30</b>	<b>32</b>	<b>32</b>	<b>22</b>	<b>26</b>	<b>36</b>	<b>47</b>	<b>1</b>
N.Y. (excl. NYC)	141	18	20	12	16	17	7	14	6	4	6	5	16	—
N.Y.C.	110	8	12	20	10	16	4	3	9	7	5	6	10	—
N.J.	105	6	14	14	10	11	8	7	7	5	4	10	9	—
Pa.	128	12	9	15	10	8	11	8	10	6	11	15	12	1
<b>E.N. Central</b>	<b>395</b>	<b>41</b>	<b>33</b>	<b>39</b>	<b>43</b>	<b>32</b>	<b>20</b>	<b>25</b>	<b>18</b>	<b>28</b>	<b>39</b>	<b>30</b>	<b>43</b>	<b>4</b>
Ohio	116	13	10	8	15	11	4	7	2	7	15	8	12	4
Ind.	62	5	7	5	10	7	2	5	1	4	8	4	4	—
Ill.	110	11	7	15	5	7	11	4	11	7	7	8	17	—
Mich.	77	8	5	9	13	3	2	9	4	4	7	7	6	—
Wis.	30	4	4	2	—	4	1	—	—	6	2	3	4	—
<b>W.N. Central</b>	<b>105</b>	<b>6</b>	<b>18</b>	<b>13</b>	<b>7</b>	<b>13</b>	<b>11</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>1</b>
Minn.	23	1	5	5	—	4	3	—	—	—	2	3	—	—
Iowa	17	—	2	1	2	—	—	1	1	—	2	2	4	—
Mo.	42	3	7	7	2	9	4	2	2	1	2	3	3	—
N. Dak.	3	1	—	—	—	—	—	—	—	—	1	—	1	—
S. Dak.	6	1	1	—	2	—	—	—	—	—	—	—	—	—
Nebr.	—	—	—	—	—	—	—	—	—	1	—	—	—	—
Kans.	14	—	3	—	1	—	2	1	—	—	2	3	1	1
<b>S. Atlantic</b>	<b>669</b>	<b>55</b>	<b>66</b>	<b>104</b>	<b>53</b>	<b>55</b>	<b>41</b>	<b>46</b>	<b>40</b>	<b>39</b>	<b>38</b>	<b>51</b>	<b>72</b>	<b>9</b>
Del.	5	—	—	2	—	—	2	—	—	—	—	—	1	—
Md.	55	2	5	13	4	5	4	3	1	3	2	2	11	—
D.C.	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Va.	67	6	5	6	4	10	1	4	8	5	1	8	9	—
W. Va.	29	3	—	3	2	3	2	2	1	2	3	1	7	—
N.C.	110	10	12	20	12	11	8	6	9	4	2	4	12	—
S.C.	68	5	5	15	8	8	6	3	3	5	2	5	3	—
Ga.	117	6	20	22	8	5	3	7	6	6	15	12	7	—
Fla.	218	23	19	23	15	13	15	21	12	14	13	19	22	9
<b>E.S. Central</b>	<b>216</b>	<b>21</b>	<b>26</b>	<b>34</b>	<b>27</b>	<b>23</b>	<b>16</b>	<b>12</b>	<b>12</b>	<b>8</b>	<b>11</b>	<b>13</b>	<b>13</b>	<b>—</b>
Ky.	66	5	9	10	9	13	1	4	2	2	3	5	3	—
Tenn.	61	6	7	6	6	7	10	1	2	2	4	3	7	—
Ala.	58	9	4	10	8	1	5	5	4	4	2	3	3	—
Miss.	31	1	6	8	4	2	—	2	4	—	2	2	—	—
<b>W.S. Central</b>	<b>297</b>	<b>22</b>	<b>33</b>	<b>30</b>	<b>37</b>	<b>29</b>	<b>23</b>	<b>6</b>	<b>12</b>	<b>16</b>	<b>30</b>	<b>20</b>	<b>39</b>	<b>—</b>
Ark.	24	3	1	2	2	4	2	—	1	1	1	1	6	—
La.	98	4	14	3	20	8	12	—	4	5	13	4	11	—
Okla.	30	1	3	4	1	4	3	—	2	—	2	3	7	—
Texas	145	14	15	21	14	13	6	6	5	10	14	12	15	—
<b>Mountain</b>	<b>121</b>	<b>21</b>	<b>9</b>	<b>5</b>	<b>8</b>	<b>10</b>	<b>6</b>	<b>5</b>	<b>6</b>	<b>12</b>	<b>8</b>	<b>18</b>	<b>12</b>	<b>1</b>
Mont.	6	1	—	—	—	1	—	1	—	—	—	1	2	—
Idaho	6	1	2	—	—	1	—	—	—	—	—	2	—	—
Wyo.	6	1	—	—	1	—	—	—	—	1	—	3	—	—
Colo.	29	8	2	—	2	1	1	1	2	3	5	2	2	—
N. Mex.	13	2	3	1	—	—	1	1	1	1	—	2	—	1
Ariz.	22	5	—	—	3	1	2	—	1	2	1	3	4	—
Utah	9	1	—	—	—	1	—	—	—	3	1	—	3	—
Nev.	30	2	2	4	2	5	2	2	2	2	1	5	1	—
<b>Pacific</b>	<b>387</b>	<b>45</b>	<b>28</b>	<b>49</b>	<b>37</b>	<b>23</b>	<b>34</b>	<b>25</b>	<b>17</b>	<b>20</b>	<b>34</b>	<b>29</b>	<b>29</b>	<b>17</b>
Wash.	67	9	4	4	7	7	7	6	3	3	7	6	4	—
Oreg.	58	3	3	20	7	5	1	4	2	1	3	4	5	—
Calif.	247	33	20	24	22	11	26	12	9	16	23	17	17	17
Alaska	14	—	1	1	—	—	—	3	3	—	1	2	3	—
Hawaii	1	—	—	—	1	—	—	—	—	—	—	—	—	—
Guam	1	—	—	—	1	—	—	—	—	—	—	—	—	—
P.R.	13	3	3	2	—	—	—	2	—	—	2	—	1	—
V.I.	3	—	—	1	—	—	—	—	—	—	—	2	—	—
Pac. Trust Terr.	—	—	—	—	—	—	—	—	—	—	—	—	—	—
C.N.M.I.	—	—	—	—	—	—	—	—	—	—	—	—	—	—

# MENINGOCOCCAL INFECTIONS (Total) – Reported cases per 100,000 population by state, United States, 1980



Attack rates of reported cases of meningococcal infection, by state, demonstrate a continuum of rates from 0.0 to 3.75 cases per 100,000 population. The apparent higher rates for a few select states may be due to reporting artifacts or to differences in actual incidence rates of disease.

# MENINGOCOCCAL INFECTIONS

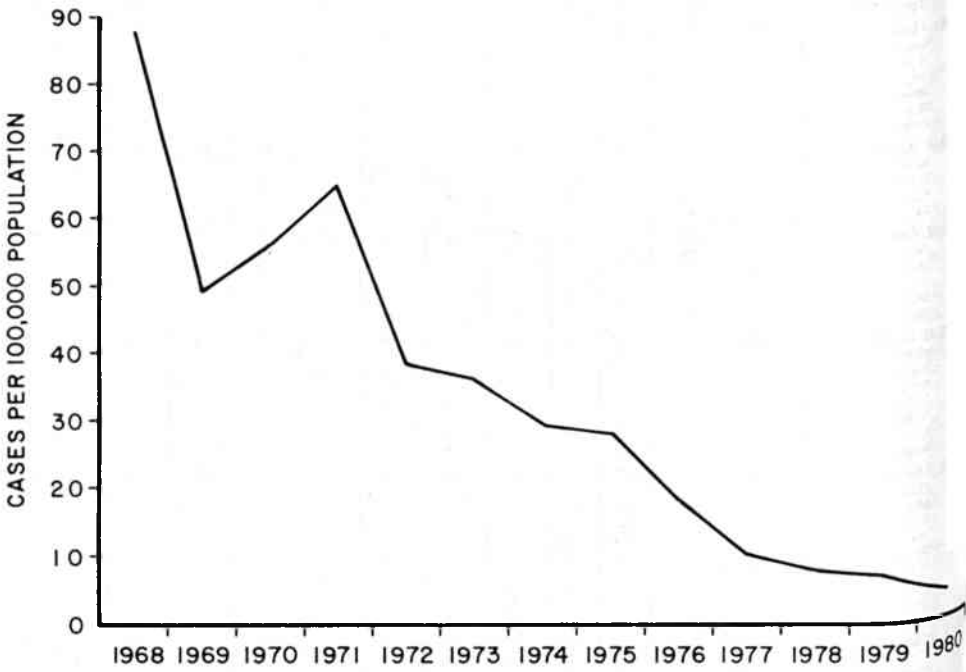
## MENINGOCOCCAL INFECTIONS (Total) - Reported Cases by state and by age, United States, 1980

Area	Total	Under 1	1-4	5-9	10-14	15-19	20-24	25-29	30-39	40-49	50-59	60+	Unk.
<b>United States</b>	<b>2,840</b>	<b>642<sup>1</sup></b>	<b>737<sup>1</sup></b>	<b>221</b>	<b>147</b>	<b>255</b>	<b>128<sup>1</sup></b>	<b>98<sup>1</sup></b>	<b>112</b>	<b>98</b>	<b>109</b>	<b>197</b>	<b>80</b>
<b>New England</b>	<b>166</b>	<b>35</b>	<b>40</b>	<b>13</b>	<b>6</b>	<b>14</b>	<b>10</b>	<b>3</b>	<b>7</b>	<b>9</b>	<b>10</b>	<b>18</b>	<b>1</b>
Maine	6	1	1	—	—	—	1	—	1	—	—	—	1
N.H.	7	—	—	2	1	1	—	—	—	1	—	—	2
Vt.	17	4	7	1	—	1	—	—	—	—	—	—	4
Mass.	63	15	14	5	3	5	4	2	1	6	4	4	—
R.I.	13	3	4	1	—	1	2	—	—	1	—	—	1
Conn.	60	12	14	4	2	6	3	1	5	1	6	6	—
<b>Mid. Atlantic</b>	<b>484</b>	<b>109</b>	<b>95</b>	<b>41</b>	<b>36</b>	<b>64</b>	<b>27</b>	<b>24</b>	<b>18</b>	<b>13</b>	<b>16</b>	<b>38</b>	<b>3</b>
N.Y. (excl. NYC)	141	33	36	14	9	14	6	6	4	2	8	9	—
N.Y.C.	110	23	21	10	12	10	9	5	6	2	1	11	—
N.J.	105	12	21	8	8	21	6	4	5	4	6	10	—
Pa.	128	41	17	9	7	19	6	9	3	5	1	8	3
<b>E.N. Central</b>	<b>395</b>	<b>106</b>	<b>102</b>	<b>28</b>	<b>22</b>	<b>36</b>	<b>13</b>	<b>14</b>	<b>11</b>	<b>14</b>	<b>12</b>	<b>21</b>	<b>16</b>
Ohio	116	29	31	10	10	9	2	5	3	5	3	6	3
Ind.	62	12	17	4	1	4	5	—	4	1	2	6	6
Ill.	110	29	22	8	7	12	3	5	3	4	5	7	5
Mich.	77	26	21	6	2	9	2	3	1	3	2	2	—
Wis.	30	10	11	—	2	2	1	1	—	1	—	—	2
<b>W.N. Central</b>	<b>105</b>	<b>22</b>	<b>27</b>	<b>6</b>	<b>7</b>	<b>7</b>	<b>6</b>	<b>1</b>	<b>4</b>	<b>3</b>	<b>5</b>	<b>9</b>	<b>8</b>
Minn.	23	7	8	—	—	1	—	—	1	2	3	1	—
Iowa	17	2	5	2	2	1	1	—	2	—	—	2	—
Mo.	42	9	8	2	4	2	3	—	1	1	1	4	7
N. Dak.	3	—	2	—	—	—	1	—	—	—	—	—	—
S. Dak.	6	—	1	—	1	—	1	—	—	—	—	2	1
Nebr.	—	—	—	—	—	—	—	—	—	—	—	—	—
Kans.	14	4	3	2	—	3	—	1	—	—	1	—	—
<b>S. Atlantic</b>	<b>669</b>	<b>133</b>	<b>176</b>	<b>57</b>	<b>30</b>	<b>54</b>	<b>28</b>	<b>26</b>	<b>25</b>	<b>30</b>	<b>31</b>	<b>50</b>	<b>29</b>
Del.	5	—	2	—	—	—	1	—	2	—	—	—	—
Md.	55	15	14	8	2	5	—	1	—	2	1	5	2
D.C.	—	—	—	—	—	—	—	—	—	—	—	—	—
Va.	67	16	27	3	2	3	4	4	—	3	3	2	—
W. Va.	29	9	9	3	—	—	1	—	3	—	1	3	—
N.C.	110	27	25	12	3	8	—	4	5	3	10	13	—
S.C.	68	16	18	6	4	4	3	—	1	2	—	1	13
Ge.	117	27	23	8	8	9	6	5	3	3	8	4	13
Fla.	218	23	58	17	11	25	13	12	11	17	8	22	1
<b>E.S. Central</b>	<b>216</b>	<b>46</b>	<b>79</b>	<b>20</b>	<b>17</b>	<b>17</b>	<b>6</b>	<b>2</b>	<b>8</b>	<b>8</b>	<b>5</b>	<b>7</b>	<b>1</b>
Ky.	66	14	28	4	3	5	2	1	2	1	2	4	—
Tenn.	61	14	24	4	4	3	2	1	3	3	2	1	—
Ala.	58	8	19	8	7	6	2	—	1	3	1	2	1
Miss.	31	10	8	4	3	3	—	—	2	1	—	—	—
<b>W.S. Central</b>	<b>297</b>	<b>83</b>	<b>80</b>	<b>22</b>	<b>10</b>	<b>26</b>	<b>15</b>	<b>12</b>	<b>13</b>	<b>5</b>	<b>9</b>	<b>16</b>	<b>6</b>
Ark.	24	10	4	3	2	1	1	1	1	1	—	—	—
La.	98	25	26	11	3	8	4	3	4	2	5	5	2
Okl.	30	5	12	3	2	2	3	1	2	—	—	—	—
Texas	145	43	38	5	3	15	7	7	6	2	4	11	4
<b>Mountain</b>	<b>121</b>	<b>21<sup>1</sup></b>	<b>25<sup>1</sup></b>	<b>7</b>	<b>1</b>	<b>11</b>	<b>4</b>	<b>2</b>	<b>5</b>	<b>4</b>	<b>5</b>	<b>9</b>	<b>11</b>
Mont.	6	1	2	—	—	1	—	1	—	—	—	1	—
Idaho	6	2	3	—	—	—	—	—	—	—	—	—	1
Wyo.	6	1	—	—	—	—	1	—	—	—	—	—	4
Colo.	29	6	11	—	—	4	2	—	—	3	—	3	—
N. Mex.	13	2	3	—	—	1	—	—	2	—	2	2	1
Ariz.	22	(. . . 13 . . .)	(. . . 13 . . .)	1	1	3	(. . . 3 . . .)	(. . . 3 . . .)	1	—	—	—	—
Utah	9	4	2	1	—	—	1	—	—	—	1	—	—
Nev.	30	5	4	5	—	2	—	1	2	1	2	3	5
<b>Pacific</b>	<b>387</b>	<b>87</b>	<b>113</b>	<b>27</b>	<b>18</b>	<b>26</b>	<b>19</b>	<b>14</b>	<b>21</b>	<b>12</b>	<b>16</b>	<b>29</b>	<b>5</b>
Wash.	67	10	21	7	6	7	1	1	3	3	2	5	1
Oreg.	58	13	24	4	4	4	—	1	2	1	2	3	—
Calif.	247	64	63	15	7	14	17	12	14	7	10	20	4
Alaska	14	—	5	1	1	1	—	—	2	1	1	—	—
Hawaii	1	—	—	—	—	—	—	—	—	—	1	—	—
Guam	1	—	1	—	—	—	—	—	—	—	—	—	—
P.R.	13	3	1	—	—	1	—	1	2	—	—	1	2
V.I.	3	2	—	—	—	—	—	1	—	—	—	—	—
Pac. Trust Terr.	—	—	—	—	—	—	—	—	—	—	—	—	—
C.N.M.I.	—	—	—	—	—	—	—	—	—	—	—	—	—

<sup>1</sup> Does not include cases reported by state of Arizona.

# MUMPS

MUMPS — Reported case rates by year, United States, 1968-1980



In 1980 the reported occurrence of mumps decreased to its lowest level since mumps became nationally notifiable in 1968. This represents a 41% decrease from 1979.

MUMPS — Reported cases by state and by month, United States, 1980

Area	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
<b>United States</b>	<b>8,576</b>	<b>1,095</b>	<b>1,168</b>	<b>1,451</b>	<b>1,070</b>	<b>1,085</b>	<b>651</b>	<b>280</b>	<b>215</b>	<b>220</b>	<b>398</b>	<b>352</b>	<b>549</b>	<b>42</b>
<b>New England</b>	<b>618</b>	<b>176</b>	<b>81</b>	<b>83</b>	<b>101</b>	<b>51</b>	<b>34</b>	<b>11</b>	<b>5</b>	<b>16</b>	<b>26</b>	<b>11</b>	<b>23</b>	<b>—</b>
Maine	309	50	39	61	79	38	14	3	—	3	11	2	9	—
N. H.	30	—	2	7	3	2	5	2	—	3	2	—	4	—
Vt.	12	—	—	—	3	2	1	2	1	3	—	—	—	—
Mass.	130	54	31	7	8	1	8	1	2	3	6	4	5	—
R. I.	34	7	1	3	3	2	4	—	2	2	5	3	2	—
Conn.	103	65	8	5	5	6	2	3	—	2	2	2	3	—
<b>Mid. Atlantic</b>	<b>970</b>	<b>114</b>	<b>77</b>	<b>281</b>	<b>61</b>	<b>139</b>	<b>68</b>	<b>31</b>	<b>25</b>	<b>26</b>	<b>42</b>	<b>46</b>	<b>60</b>	<b>—</b>
N. Y. (excl. N. Y. C.)	174	10	12	13	28	12	9	12	6	15	15	16	26	—
N.Y.C.	111	14	6	3	10	17	16	14	7	3	—	9	12	—
N.J.	130	32	18	8	11	17	9	4	2	6	13	7	3	—
Pa.	555	58	41	257	12	93	34	1	10	2	14	14	19	—
<b>E. N. Central</b>	<b>3,311</b>	<b>338</b>	<b>428</b>	<b>549</b>	<b>590</b>	<b>333</b>	<b>292</b>	<b>93</b>	<b>49</b>	<b>54</b>	<b>149</b>	<b>146</b>	<b>290</b>	<b>—</b>
Ohio	1,318	126	206	243	239	169	105	19	15	7	34	33	122	—
Ind.	170	20	17	11	27	15	11	7	8	14	7	13	20	—
Ill.	437	38	59	64	51	30	72	21	6	7	25	21	43	—
Mich.	1,011	101	90	197	225	71	78	28	4	12	54	65	86	—
Wis.	375	53	56	34	48	48	26	18	16	14	29	14	19	—
<b>W. N. Central</b>	<b>332</b>	<b>67</b>	<b>48</b>	<b>31</b>	<b>31</b>	<b>52</b>	<b>28</b>	<b>3</b>	<b>6</b>	<b>12</b>	<b>18</b>	<b>16</b>	<b>20</b>	<b>—</b>
Minn.	20	3	—	1	5	1	1	1	1	2	3	2	—	—
Iowa	64	8	4	3	9	10	2	1	2	4	8	4	9	—
Mo.	103	39	27	9	11	8	3	—	2	—	2	—	2	—
N. Dak.	4	1	2	—	—	1	—	—	—	—	—	—	—	—
S. Dak.	3	—	—	1	—	—	—	—	1	—	1	—	—	—
Nebr.	9	7	—	1	1	—	—	—	—	—	—	—	—	—
Kans.	129	9	15	16	5	32	22	1	—	6	4	10	9	—
<b>S. Atlantic</b>	<b>1,127</b>	<b>159</b>	<b>130</b>	<b>141</b>	<b>102</b>	<b>256</b>	<b>44</b>	<b>45</b>	<b>46</b>	<b>38</b>	<b>40</b>	<b>51</b>	<b>50</b>	<b>25</b>
Del.	42	6	12	12	2	4	1	—	2	—	1	—	2	—
Md.	339	76	41	40	41	44	18	22	16	9	4	16	12	—
D. C.	6	1	1	1	—	—	1	—	1	—	—	—	1	—
Va.	87	10	8	16	9	3	1	2	7	8	4	6	13	—
W. Va.	128	12	19	19	10	9	5	7	5	11	17	8	6	—
N. C.	101	24	22	13	9	6	7	4	3	4	1	6	2	—
S. C.	211	2	5	6	3	178	4	2	3	2	1	4	1	—
Ga.	18	—	—	—	1	—	—	—	2	—	7	1	7	—
Fla.	195	28	22	34	27	12	7	8	7	4	5	10	6	25
<b>E. S. Central</b>	<b>896</b>	<b>70</b>	<b>277</b>	<b>211</b>	<b>62</b>	<b>103</b>	<b>83</b>	<b>21</b>	<b>14</b>	<b>16</b>	<b>11</b>	<b>10</b>	<b>18</b>	<b>—</b>
Ky.	265	58	263	197	53	78	71	15	8	9	3	1	9	—
Tenn.	33	2	7	8	1	3	2	1	—	2	2	3	2	—
Ala.	36	1	3	4	2	1	2	1	4	3	4	5	6	—
Miss.	62	9	4	2	6	21	8	4	2	2	2	1	1	—
<b>W. S. Central</b>	<b>305</b>	<b>33</b>	<b>33</b>	<b>41</b>	<b>37</b>	<b>52</b>	<b>23</b>	<b>10</b>	<b>18</b>	<b>9</b>	<b>14</b>	<b>20</b>	<b>15</b>	<b>—</b>
Ark.	26	3	7	3	1	5	1	—	1	1	1	—	4	—
La.	67	1	8	13	20	13	7	1	—	3	—	—	1	—
Texas	212	29	18	25	16	34	15	9	17	5	14	20	10	—
<b>Mountain</b>	<b>230</b>	<b>50</b>	<b>14</b>	<b>38</b>	<b>19</b>	<b>21</b>	<b>19</b>	<b>14</b>	<b>8</b>	<b>8</b>	<b>15</b>	<b>12</b>	<b>7</b>	<b>5</b>
Mont.	61	16	4	12	9	3	3	2	2	—	3	2	—	5
Idaho	17	1	3	8	1	1	1	—	—	1	—	—	1	—
Wyo.	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Colo.	68	8	5	6	3	6	11	7	2	5	4	5	6	—
N. Mex.	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Ariz.	46	9	—	4	5	3	4	5	4	1	8	3	—	—
Utah	29	15	—	7	—	4	—	—	—	1	—	2	—	—
Nev.	9	1	2	1	1	4	—	—	—	—	—	—	—	—
<b>Pacific</b>	<b>787</b>	<b>88</b>	<b>80</b>	<b>76</b>	<b>67</b>	<b>78</b>	<b>60</b>	<b>52</b>	<b>44</b>	<b>41</b>	<b>83</b>	<b>40</b>	<b>66</b>	<b>12</b>
Wash.	166	32	28	18	17	19	6	7	5	7	9	5	13	—
Oreg.	97	16	9	13	3	7	3	9	3	3	12	8	5	—
Calif.	485	37	41	43	43	45	47	30	29	28	60	25	45	12
Alaska	15	2	1	1	—	6	—	—	—	1	—	1	2	—
Hawaii	24	1	1	1	4	1	3	6	1	2	2	1	1	—
Guam	11	3	—	—	4	1	1	1	—	—	1	—	—	—
P.R.	177	10	19	53	18	13	7	9	8	6	11	15	8	—
V. I.	1	—	1	—	—	—	—	—	—	—	—	—	—	—
Pac. Trust Terr.	26	1	—	1	3	5	1	3	3	1	1	3	4	—
C.N.M.I.	3	—	—	—	—	—	—	—	—	—	—	—	—	3

# MUMPS

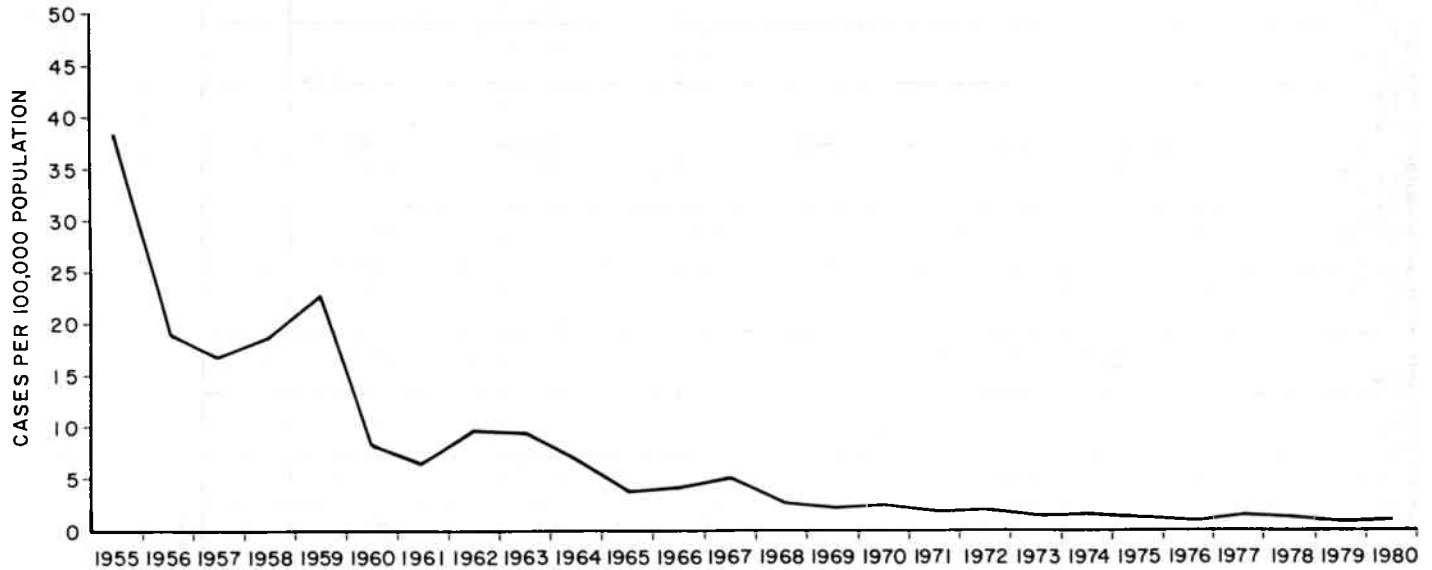
## MUMPS — Reported cases by state and by age, United States, 1980

Area	Total	Under 1	1-4	5-9	10-14	15-19	20-24	25-29	30-39	40-49	50-59	60+	Unk.
<b>United States</b>	<b>8,576</b>	<b>40<sup>1</sup></b>	<b>668<sup>1</sup></b>	<b>1,454</b>	<b>1,198</b>	<b>347</b>	<b>88<sup>1</sup></b>	<b>69<sup>1</sup></b>	<b>86</b>	<b>33</b>	<b>34</b>	<b>25</b>	<b>4,520</b>
<b>New England</b>	<b>618</b>	<b>1</b>	<b>31</b>	<b>119</b>	<b>211</b>	<b>62</b>	<b>8</b>	<b>3</b>	<b>9</b>	<b>1</b>	<b>4</b>	<b>4</b>	<b>165</b>
Maine	309	—	3	37	98	39	1	—	3	—	—	—	127
N.H.	30	1	3	10	8	2	1	—	2	—	1	1	—
Vt.	12	—	5	2	4	1	—	—	—	—	—	—	—
Mass.	130	—	8	32	63	16	4	2	2	—	2	1	—
R.I.	34	(	—	—	—	—	NA	—	—	—	—	—	34
Conn.	103	—	12	38	38	4	2	—	2	1	—	2	4
<b>Mid. Atlantic</b>	<b>970</b>	<b>1</b>	<b>76</b>	<b>355</b>	<b>302</b>	<b>90</b>	<b>14</b>	<b>14</b>	<b>17</b>	<b>11</b>	<b>9</b>	<b>3</b>	<b>78</b>
N.Y. (excl. NYC)	174	—	20	52	52	16	7	4	6	7	5	1	4
N.Y.C.	111	1	25	31	18	9	4	5	8	2	1	—	7
N.J.	130	—	8	41	42	7	1	2	2	1	1	2	23
Pa.	555	—	23	231	190	58	2	3	1	1	2	—	44
<b>E.N. Central</b>	<b>3,311</b>	<b>9</b>	<b>348</b>	<b>122</b>	<b>118</b>	<b>39</b>	<b>5</b>	<b>8</b>	<b>4</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>2,654</b>
Ohio	1,318	1	6	65	80	25	1	2	4	1	1	2	1,130
Ind.	170	1	8	16	10	4	1	6	—	—	—	—	124
Ill.	437	7	334	41	28	10	3	—	—	—	—	—	14
Mich.	1,011	(	—	—	—	—	NA	—	—	—	—	—	1,011
Wis.	375	(	—	—	—	—	NA	—	—	—	—	—	375
<b>W.N. Central</b>	<b>332</b>	<b>—</b>	<b>16</b>	<b>23</b>	<b>6</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>—</b>	<b>1</b>	<b>—</b>	<b>277</b>
Minn.	20	—	6	12	1	1	—	—	—	—	—	—	64
Iowa	64	(	—	—	—	—	NA	—	—	—	—	—	93
Mo.	103	—	3	1	3	1	—	1	1	—	—	—	—
N. Dak.	4	—	3	1	—	—	—	—	—	—	—	—	—
S. Dak.	3	—	—	—	1	1	—	—	1	—	—	—	—
Nebr.	9	—	—	3	—	—	1	—	—	—	—	—	5
Kans.	129	—	4	6	1	—	2	—	—	—	1	—	115
<b>S. Atlantic</b>	<b>1,127</b>	<b>3</b>	<b>71</b>	<b>411</b>	<b>327</b>	<b>56</b>	<b>20</b>	<b>16</b>	<b>19</b>	<b>5</b>	<b>6</b>	<b>5</b>	<b>188</b>
Del.	42	—	4	14	10	7	—	1	2	—	—	—	4
Md.	339	—	16	168	101	19	6	5	5	—	1	—	18
D.C.	6	—	1	2	2	—	—	—	—	—	—	—	1
Va.	87	—	10	33	20	8	3	4	3	1	—	—	5
W. Va.	128	(	—	—	—	—	NA	—	—	—	—	—	128
N.C.	101	2	14	41	26	8	4	2	2	1	2	—	—
S.C.	211	—	6	97	90	3	1	—	—	1	1	—	10
Ga.	18	—	—	9	6	1	—	1	—	—	—	—	1
Fla.	195	1	20	47	72	10	6	3	6	2	2	4	22
<b>E.S. Central</b>	<b>896</b>	<b>1</b>	<b>15</b>	<b>124</b>	<b>69</b>	<b>22</b>	<b>11</b>	<b>5</b>	<b>3</b>	<b>—</b>	<b>2</b>	<b>1</b>	<b>643</b>
Ky.	765	—	5	107	62	17	8	2	2	—	1	—	561
Tenn.	33	—	5	14	4	4	3	1	1	—	—	—	—
Ala.	36	1	5	3	3	1	—	2	—	—	1	—	20
Miss.	62	(	—	—	—	—	NA	—	—	—	—	—	62
<b>W.S. Central</b>	<b>305</b>	<b>6</b>	<b>41</b>	<b>131</b>	<b>56</b>	<b>15</b>	<b>5</b>	<b>3</b>	<b>13</b>	<b>4</b>	<b>4</b>	<b>5</b>	<b>22</b>
Ark.	26	—	4	8	3	2	1	—	—	—	—	2	6
La.	67	2	5	46	7	1	—	—	—	—	1	—	5
Okla.	(	—	—	—	—	—	NN	—	—	—	—	—	—
Texas	212	4	32	77	46	12	4	3	13	4	3	3	11
<b>Mountain</b>	<b>230</b>	<b>14<sup>1</sup></b>	<b>10<sup>1</sup></b>	<b>34</b>	<b>23</b>	<b>16</b>	<b>2<sup>1</sup></b>	<b>3<sup>1</sup></b>	<b>6</b>	<b>3</b>	<b>2</b>	<b>—</b>	<b>103</b>
Mont.	61	—	2	11	11	11	—	1	1	2	—	—	22
Idaho	17	(	—	—	—	—	NA	—	—	—	—	—	17
Wyo.	—	—	—	—	—	—	—	—	—	—	—	—	—
Colo.	68	14	5	10	—	—	2	1	2	—	1	—	33
N. Mex.	(	—	—	—	—	—	NN	—	—	—	—	—	—
Ariz.	46	(	12	13	11	4	(	2	—	3	—	—	7
Utah	29	—	1	—	1	1	—	1	—	1	—	—	24
Nev.	9	—	2	—	—	—	—	—	—	—	—	—	—
<b>Pacific</b>	<b>787</b>	<b>5</b>	<b>60</b>	<b>135</b>	<b>86</b>	<b>44</b>	<b>20</b>	<b>16</b>	<b>13</b>	<b>8</b>	<b>5</b>	<b>5</b>	<b>390</b>
Wash.	166	(	—	—	—	—	NA	—	—	—	—	—	166
Oreg.	97	(	—	—	—	—	NA	—	—	—	—	—	97
Calif.	485	5	59	133	84	44	19	16	12	8	5	5	95
Alaska	15	(	—	—	—	—	NA	—	—	—	—	—	15
Hawaii	24	(	1	2	2	—	1	—	1	—	—	—	17
Guam	11	—	3	—	—	1	—	—	—	—	—	—	7
P.R.	177	(	—	—	—	—	NA	—	—	—	—	—	177
V.I.	1	(	—	1	—	—	—	—	—	—	—	—	—
Pac. Trust Terr.	26	(	—	—	—	—	NA	—	—	—	—	—	26
C.N.M.I.	3	(	—	—	—	—	NA	—	—	—	—	—	3

<sup>1</sup> Does not include cases reported by state of Arizona.



**PERTUSSIS (Whooping cough) — Reported case rates by year, United States, 1955-1980**



The incidence rate of reported pertussis cases remains relatively stable. The age distribution of pertussis cases continues to show a preponderance of reported cases in the group <1 year of age. Fifty-six percent of the cases for which age was reported were in this age group.

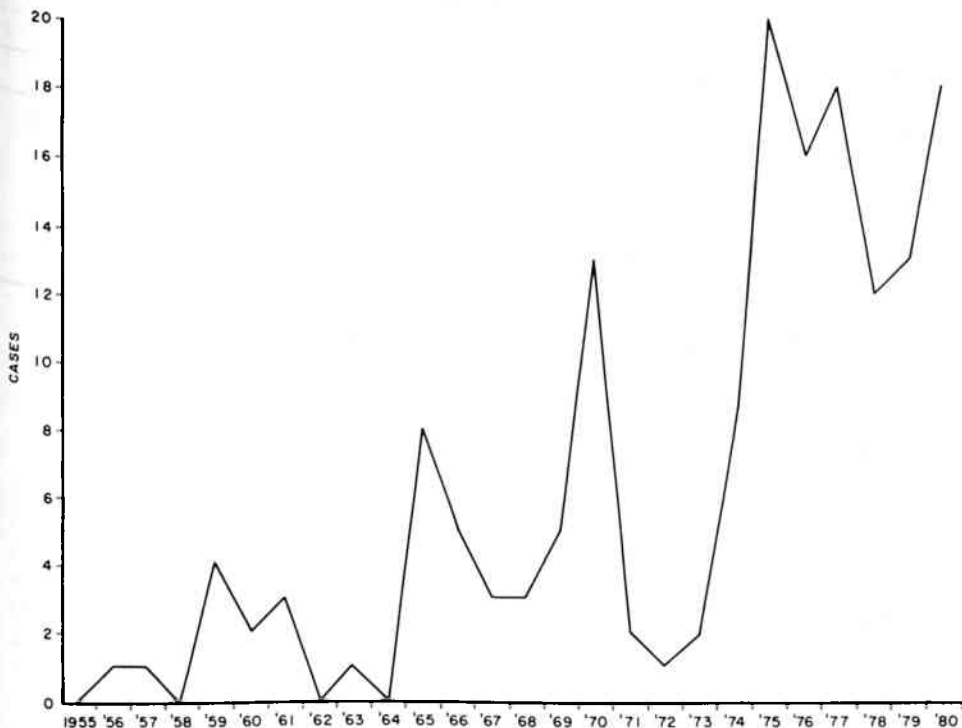
# PERTUSSIS

PERTUSSIS (Whooping Cough) — Reported cases by state and by age, United States, 1980

Area	Total	Under 1	1-4	5-9	10-14	15-19	20-24	25-29	30-39	40-49	50-59	60+	Unk.
<b>United States</b>	<b>1,730</b>	<b>890<sup>1</sup></b>	<b>374<sup>1</sup></b>	<b>118</b>	<b>93</b>	<b>41</b>	<b>11<sup>1</sup></b>	<b>31<sup>1</sup></b>	<b>12</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>132</b>
<b>New England</b>	<b>49</b>	<b>31</b>	<b>8</b>	<b>3</b>	<b>2</b>	—	—	—	<b>1</b>	<b>1</b>	—	—	<b>3</b>
Maine	5	3	1	—	1	—	—	—	—	—	—	—	—
N.H.	13	6	4	2	—	—	—	—	—	1	—	—	—
Vt.	—	—	—	—	—	—	—	—	—	—	—	—	—
Mass.	22	18	2	—	1	—	—	—	1	—	—	—	—
R.I.	3	—	—	—	—	—	—	—	—	—	—	—	—
Conn.	6	4	1	1	—	—	NA	—	—	—	—	—	—
<b>Mid. Atlantic</b>	<b>256</b>	<b>139</b>	<b>61</b>	<b>20</b>	<b>18</b>	<b>7</b>	<b>1</b>	<b>6</b>	—	<b>1</b>	—	—	<b>2</b>
N.Y. (excl. NYC)	160	73	47	17	15	3	—	1	—	1	—	—	—
N.Y.C.	30	14	6	1	2	2	1	4	—	—	—	—	—
N.J.	14	11	2	1	—	—	—	—	—	—	—	—	—
Pa.	52	41	6	1	1	2	—	1	—	—	—	—	—
<b>E.N. Central</b>	<b>474</b>	<b>171</b>	<b>112</b>	<b>50</b>	<b>37</b>	<b>15</b>	<b>5</b>	<b>20</b>	<b>2</b>	—	—	—	<b>62</b>
Ohio	88	56	14	6	3	2	1	—	—	—	—	—	6
Ind.	164	49	43	17	19	9	3	18	—	—	—	—	6
Ill.	142	42	51	23	12	4	—	2	2	—	—	—	5
Mich.	38	—	—	—	—	—	—	—	—	—	—	—	5
Wis.	42	24	4	4	3	—	—	—	—	—	—	—	7
<b>W.N. Central</b>	<b>83</b>	<b>43</b>	<b>19</b>	<b>6</b>	<b>4</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>1</b>	—	—	—	<b>5</b>
Minn.	20	11	7	1	—	—	—	1	—	—	—	—	—
Iowa	2	1	1	—	—	—	—	—	—	—	—	—	—
Mo.	30	15	5	4	—	—	—	1	—	—	—	—	5
N. Dak.	7	4	1	—	—	1	1	—	—	—	—	—	—
S. Dak.	3	2	1	—	—	—	—	—	—	—	—	—	—
Nebr.	6	6	—	—	—	—	—	—	—	—	—	—	—
Kans.	15	4	4	1	4	1	—	—	1	—	—	—	—
<b>S. Atlantic</b>	<b>272</b>	<b>151</b>	<b>58</b>	<b>16</b>	<b>16</b>	<b>5</b>	—	—	—	—	<b>1</b>	<b>1</b>	<b>24</b>
Del.	1	—	1	—	—	—	—	—	—	—	—	—	—
Md.	2	2	—	—	—	—	—	—	—	—	—	—	—
D.C.	—	—	—	—	—	—	—	—	—	—	—	—	—
Va.	10	5	1	3	1	—	—	—	—	—	—	—	5
W. Va.	12	4	2	1	—	—	—	—	—	—	—	—	—
N.C.	35	24	5	2	3	—	—	—	—	—	—	—	2
S.C.	18	10	5	—	1	—	—	—	—	—	—	—	1
Ga.	126	76	18	5	10	1	—	—	—	—	—	—	16
Fla.	68	30	26	5	1	4	—	—	—	—	1	—	1
<b>E.S. Central</b>	<b>92</b>	<b>59</b>	<b>16</b>	<b>5</b>	<b>3</b>	<b>1</b>	—	<b>1</b>	<b>2</b>	—	—	—	<b>5</b>
Ky.	37	21	6	2	2	1	—	1	1	—	—	—	3
Tenn.	37	26	6	3	1	—	—	—	1	—	—	—	—
Ala.	3	3	—	—	—	—	—	—	—	—	—	—	—
Miss.	15	9	4	—	—	—	—	—	—	—	—	—	2
<b>W.S. Central</b>	<b>163</b>	<b>119</b>	<b>25</b>	<b>7</b>	<b>4</b>	<b>3</b>	<b>1</b>	—	—	—	—	—	<b>4</b>
Ark.	13	8	3	—	2	—	—	—	—	—	—	—	—
La.	38	26	6	2	—	—	—	—	—	—	—	—	4
Okla.	30	18	7	4	—	1	—	—	—	—	—	—	—
Texas	82	67	9	1	2	2	1	—	—	—	—	—	2
<b>Mountain</b>	<b>110</b>	<b>49<sup>1</sup></b>	<b>20<sup>1</sup></b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>2<sup>1</sup></b>	—	<b>5</b>	—	—	—	<b>2</b>
Mont.	3	2	—	—	—	1	—	—	—	—	—	—	—
Idaho	10	6	—	—	2	1	1	—	—	—	—	—	—
Wyo.	3	3	—	—	—	—	—	—	—	—	—	—	—
Colo.	29	19	6	1	—	1	—	—	1	—	—	—	—
N. Mex.	29	15	7	1	1	1	1	—	2	—	—	—	1
Ariz.	25	(... 22 ...)	—	—	—	—	(... 1 ...)	—	2	—	—	—	—
Utah	10	4	6	—	—	—	—	—	—	—	—	—	—
Nev.	1	—	1	—	—	—	—	—	—	—	—	—	—
<b>Pacific</b>	<b>231</b>	<b>128</b>	<b>55</b>	<b>9</b>	<b>6</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>1</b>	—	—	—	<b>25</b>
Wash.	77	44	19	—	1	1	1	1	1	—	—	—	9
Oreg.	2	1	—	—	—	—	—	—	—	—	—	—	1
Calif.	147	79	35	9	5	3	—	1	—	—	—	—	15
Alaska	5	4	1	—	—	—	—	—	—	—	—	—	—
Hawaii	—	—	—	—	—	—	—	—	—	—	—	—	—
Guam	—	—	—	—	—	—	—	—	—	—	—	—	—
P.R.	14	8	4	1	—	—	—	—	—	—	—	—	—
V.I.	—	—	—	—	—	—	—	—	—	—	—	—	—
Pac. Trust Terr.	—	—	—	—	—	—	—	—	—	—	—	—	—
C.N.M.I.	—	—	—	—	—	—	—	—	—	—	—	—	—

<sup>1</sup> Does not include cases reported by state of Arizona.

**PLAGUE — Reported cases in humans by year, United States, 1955-1980**



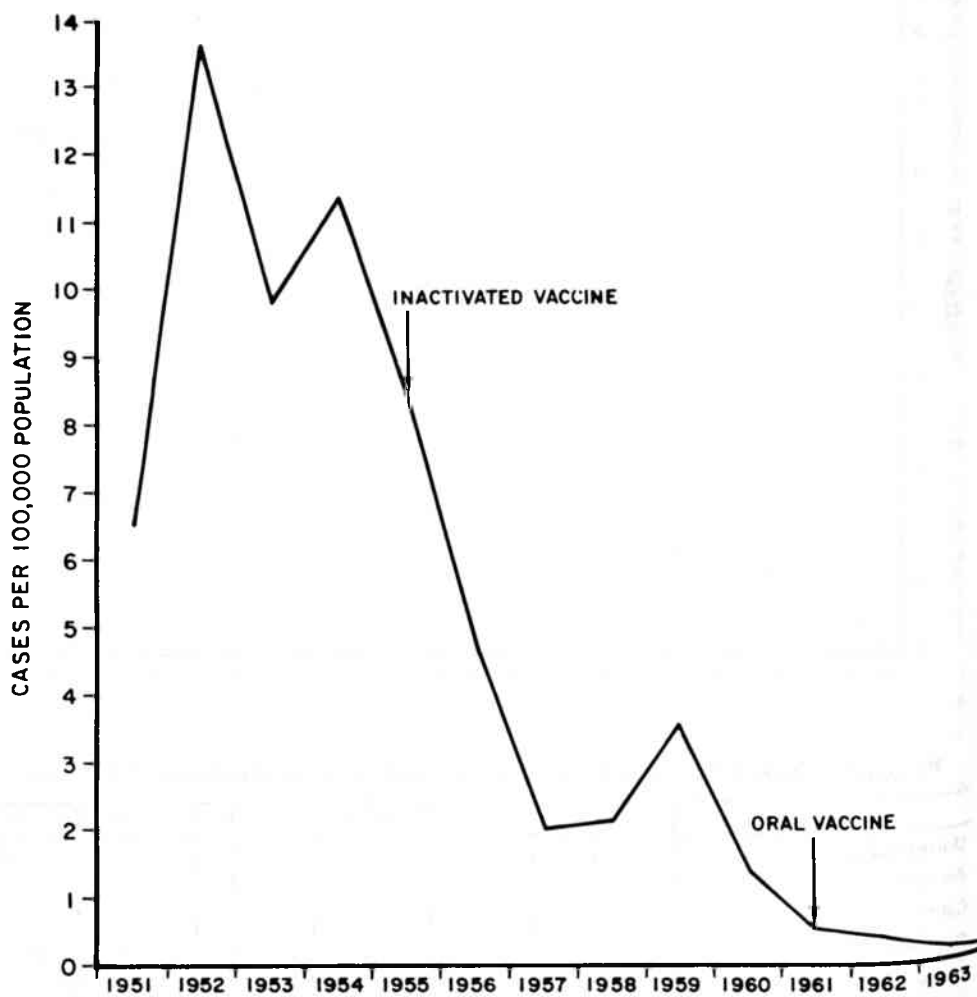
**PLAGUE — Reported cases in humans by state and by age, United States, 1960-1980**

Area	Total	0-9	10-19	20-29	30-39	40+
United States	148	46	45	14	14	29
Arizona	19	5	9	3	2	—
California	16	6	2	—	—	8
Colorado	10	2	3	1	1	3
Idaho	1	—	—	—	1	—
Nevada	3	1	1	—	—	1
New Mexico	90	30	27	8	10	15
Oregon	5	—	3	1	—	1
Texas	1	—	—	1	—	—
Utah	2	2	—	—	—	—
Wyoming	1	—	—	—	—	1

Five deaths occurred among the 18 reported cases of plague in 1980. Thirteen cases were acquired in New Mexico.

# POLIOMYELITIS

POLIOMYELITIS (Paralytic) — Reported case rates by year, United States, 1951-1963



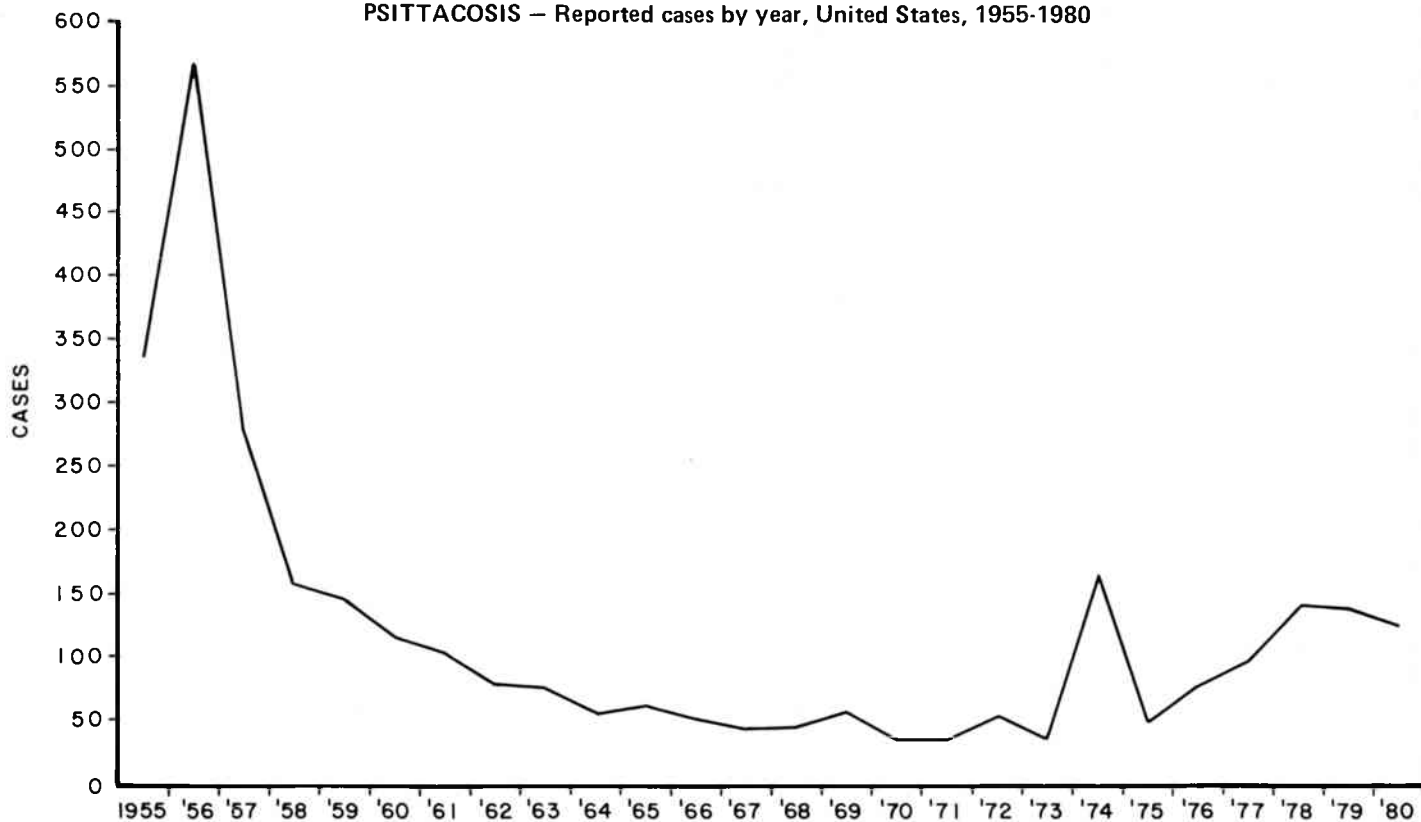
The case rates of paralytic poliomyelitis since 1963 have been less than .06 per 100,000 population.

## POLIOMYELITIS (Paralytic) — Reported cases by state and by age, United States, 1980

Area	Total	< 1	1-4	25-29	60+
United States	8	4	1	2	1
California	2	2	—	—	—
Louisiana	1	1	—	—	—
Michigan	1	—	—	1	—
New Jersey	1	1	—	—	—
Oregon	1	—	—	—	1
Washington	1	—	—	1	—
Wyoming	1	—	1	—	—

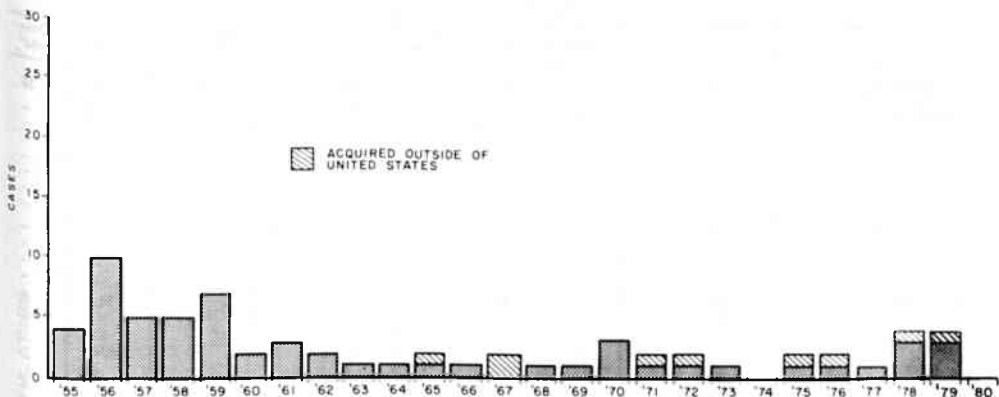
Eight cases of paralytic poliomyelitis were reported for 1980. Four of these were classified epidemiologically as vaccine associated and one as immune deficient, implicating virus from the oral poliovirus vaccine as the probable cause of disease. One case was classified as endemic, non-vaccine associated, and two cases were imported from Mexico. One of the imported cases was in an unvaccinated 67-year-old woman with a positive stool culture and a 4-fold rise in serum neutralizing antibody titer to poliovirus type 3.

PSITTACOSIS – Reported cases by year, United States, 1955-1980



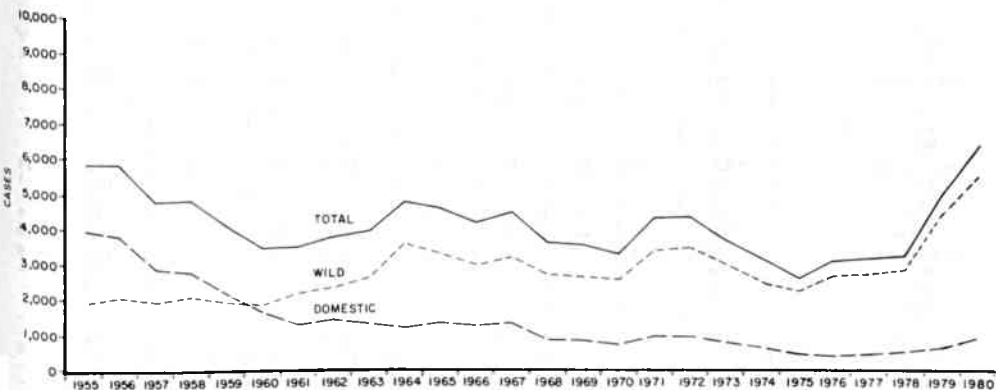
The upward trend for psittacosis cases during the past 10 years is due to discrete outbreaks among turkey-processing-plant workers in 1974 and 1976 and to cases associated with pet psittacine birds of both domestic and foreign origin. The report of 120-140 cases/year since 1978 is double the mean annual reported occurrence of 67 cases for the decade 1960-1969.

RABIES — Reported cases\* in humans by year, United States, 1955-1980



\*Registered deaths, 1955-1961.

RABIES — Reported cases in wild and domestic animals by year, United States, 1955-1980



A total of 6,421 laboratory-confirmed cases of animal rabies in the United States and 68 in Puerto Rico were reported for 1980. This represents an increase of 1,344 cases from the 1979 total and is 84% above the average for the preceding 5 years. The District of Columbia, Hawaii, Vermont, Guam, and the Virgin Islands of the U.S. reported no cases. Seven species of animals accounted for 97% of the total reported cases. Wild animals accounted for 85% of the reported species. There were no human cases of rabies reported for 1980.

# RABIES

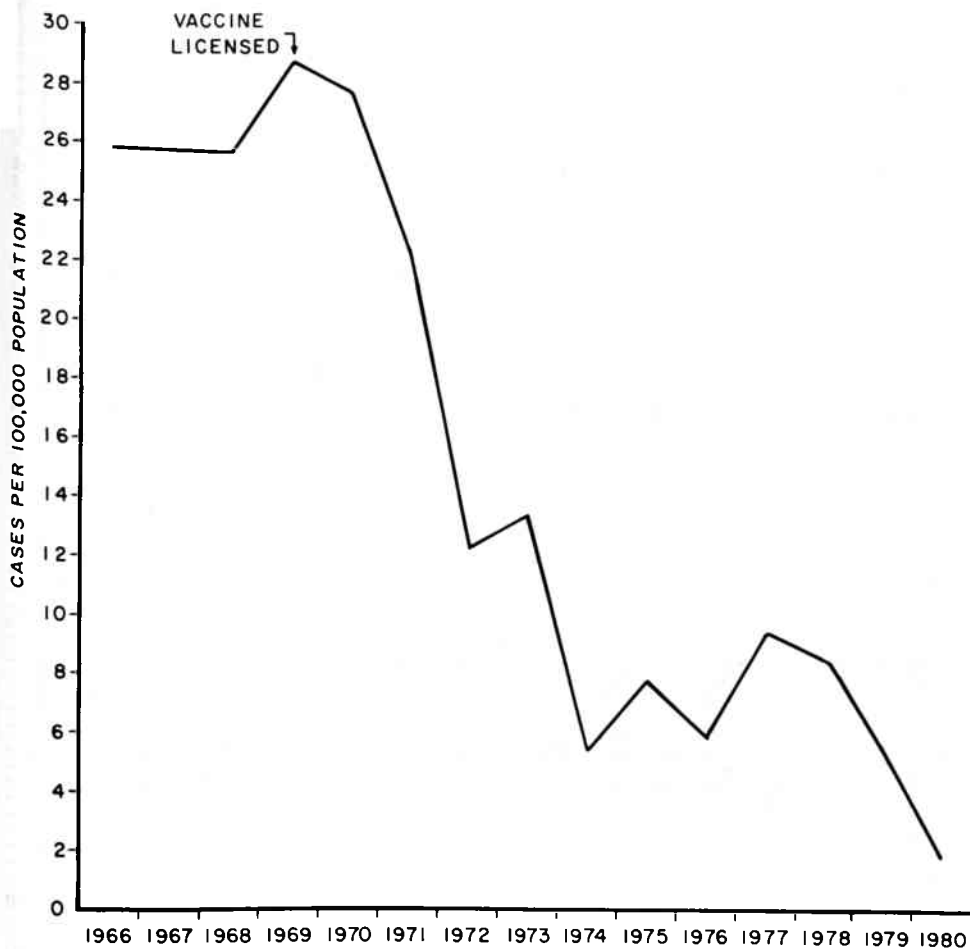
RABIES — Reported cases in animals by state and by species of animal, United States, 1980

Area	Total	Domestic				Wild					Other wild <sup>1</sup>
		Cats	Cattle	Dogs	Other domestic <sup>1</sup>	Bats	Foxes	Raccoons	Skunks		
<b>United States</b>	<b>6,421</b>	<b>211</b>	<b>396</b>	<b>241</b>	<b>92</b>	<b>738</b>	<b>212</b>	<b>393</b>	<b>4,100</b>	<b>38</b>	
<b>New England</b>	<b>65</b>	<b>1</b>	<b>2</b>	—	<b>1</b>	<b>36</b>	<b>25</b>	—	—	—	
Maine	31	—	2	—	1	3	25	—	—	—	
N.H.	8	—	—	—	—	8	—	—	—	—	
Vt.	—	—	—	—	—	—	—	—	—	—	
Mass.	15	1	—	—	—	14	—	—	—	—	
R.I.	1	—	—	—	—	1	—	—	—	—	
Conn.	10	—	—	—	—	10	—	—	—	—	
<b>Mid. Atlantic</b>	<b>77</b>	—	—	—	—	<b>76</b>	<b>1</b>	—	—	—	
N.Y.	40	—	—	—	—	39	1	—	—	—	
N.J.	18	—	—	—	—	18	—	—	—	—	
Pa.	19	—	—	—	—	19	—	—	—	—	
<b>E.N. Central</b>	<b>961</b>	<b>17</b>	<b>71</b>	<b>38</b>	<b>11</b>	<b>52</b>	<b>23</b>	<b>3</b>	<b>743</b>	<b>3</b>	
Ohio	57	1	4	2	—	10	6	—	33	1	
Ind.	75	—	4	3	—	6	—	—	62	—	
Ill.	520	11	29	8	4	20	5	3	440	—	
Mich.	15	—	—	—	—	7	—	—	8	—	
Wis.	294	5	34	25	7	9	12	—	200	2	
<b>W.N. Central</b>	<b>2,156</b>	<b>126</b>	<b>236</b>	<b>95</b>	<b>32</b>	<b>35</b>	<b>14</b>	<b>10</b>	<b>1,602</b>	<b>6</b>	
Minn.	255	9	14	16	3	5	1	1	205	1	
Iowa	545	44	95	22	17	7	3	3	353	1	
Mo.	379	15	18	24	1	8	9	3	300	1	
N. Dak.	255	21	38	6	5	2	—	1	181	1	
S. Dak.	471	23	61	20	4	1	1	1	359	1	
Nebr.	92	11	6	5	—	6	—	1	63	—	
Kans.	159	3	4	2	2	6	—	—	141	1	
<b>S. Atlantic</b>	<b>545</b>	<b>12</b>	<b>2</b>	<b>8</b>	<b>2</b>	<b>110</b>	<b>16</b>	<b>349</b>	<b>40</b>	<b>6</b>	
Del.	4	—	—	—	—	4	—	—	—	—	
Md.	37	—	—	—	—	37	—	—	—	—	
D.C.	—	—	—	—	—	—	—	—	—	—	
Va.	36	1	—	—	—	7	1	6	21	1	
W. Va.	27	—	—	—	—	3	2	14	7	—	
N.C.	18	—	—	—	—	18	—	—	—	—	
S.C.	62	5	—	3	—	15	1	37	—	1	
Ga.	252	3	1	1	1	18	9	208	9	2	
Fla.	109	3	1	4	1	8	3	84	3	2	
<b>E.S. Central</b>	<b>357</b>	<b>4</b>	<b>8</b>	<b>23</b>	<b>3</b>	<b>34</b>	<b>31</b>	<b>22</b>	<b>232</b>	<b>—</b>	
Ky.	153	1	5	14	3	11	26	—	93	—	
Tenn.	145	—	3	8	—	11	3	—	120	—	
Ala.	55	3	—	1	—	8	2	22	19	—	
Miss.	4	—	—	—	—	4	—	—	—	—	
<b>W.S. Central</b>	<b>1,403</b>	<b>46</b>	<b>71</b>	<b>55</b>	<b>39</b>	<b>113</b>	<b>46</b>	<b>8</b>	<b>1,014</b>	<b>11</b>	
Ark.	191	3	8	2	2	11	—	—	164	1	
La.	20	1	—	—	—	3	—	—	16	—	
Okla.	247	8	31	7	5	4	—	—	191	1	
Texas	945	34	32	46	32	95	46	8	643	9	
<b>Mountain</b>	<b>254</b>	<b>1</b>	<b>3</b>	<b>5</b>	—	<b>124</b>	<b>4</b>	—	<b>112</b>	<b>5</b>	
Mont.	56	—	2	1	—	17	—	—	36	—	
Idaho	2	—	—	—	—	2	—	—	—	—	
Wyo.	15	—	—	—	—	9	—	—	6	—	
Colo.	51	—	—	—	—	51	—	—	—	—	
N. Mex.	42	1	—	3	—	15	—	—	23	—	
Ariz.	77	—	1	1	—	19	4	—	47	5	
Utah	10	—	—	—	—	10	—	—	—	—	
Nev.	1	—	—	—	—	1	—	—	—	—	
<b>Pacific</b>	<b>603</b>	<b>4</b>	<b>3</b>	<b>17</b>	<b>4</b>	<b>158</b>	<b>52</b>	<b>1</b>	<b>357</b>	<b>7</b>	
Wash.	3	—	—	—	—	3	—	—	—	—	
Oreg.	4	—	—	—	—	4	—	—	—	—	
Calif.	543	4	3	12	4	151	10	1	357	1	
Alaska	53	—	—	5	—	—	42	—	—	6	
Hawaii	—	—	—	—	—	—	—	—	—	—	
Guam	—	—	—	—	—	—	—	—	—	—	
P.R.	68	2	4	6	2	—	—	—	—	54	
V.I.	—	—	—	—	—	—	—	—	—	—	

<sup>1</sup> Other domestic: 62 equine, 27 ovine, and 5 porcine; other wild: 54 mongooses, 8 coyotes, 8 bobcats, 5 arctic foxes, 4 opossum, 3 badger, 2 woodchucks, 2 lagomorphs, 1 wolf, 1 coatmundi, 1 weasle, 1 deer, 1 squirrel, and 1 rat.



## RUBELLA (German measles) — Reported case rates by year, United States, 1966-1980



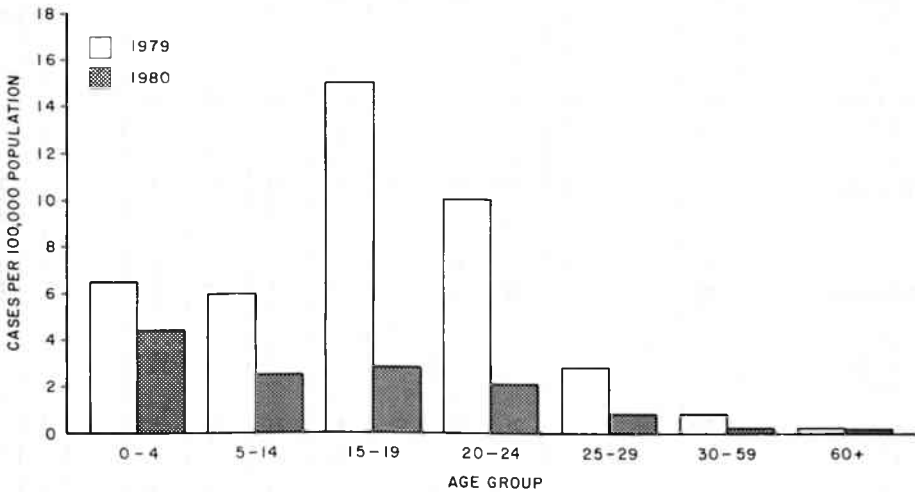
In 1980 the reported incidence rate of rubella decreased to its lowest level since rubella became nationally notifiable. This represented a decrease of 67% from 1979, and a decrease of 93% from 1969, the year of rubella vaccine licensure.

# RUBELLA

RUBELLA (German Measles) — Reported cases by state and by month, United States, 1979

Area	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
<b>United States</b>	<b>3,904</b>	<b>251</b>	<b>372</b>	<b>580</b>	<b>638</b>	<b>668</b>	<b>379</b>	<b>204</b>	<b>118</b>	<b>121</b>	<b>137</b>	<b>122</b>	<b>280</b>	<b>34</b>
<b>New England</b>	<b>287</b>	<b>21</b>	<b>18</b>	<b>29</b>	<b>57</b>	<b>38</b>	<b>22</b>	<b>6</b>	<b>8</b>	<b>7</b>	<b>4</b>	<b>8</b>	<b>69</b>	
Maine	129	3	8	18	28	9	2					2	59	
N. H.	47	9	4	4	6	8	2	3	2	1	1	1	6	
Vt.	3					1	2							
Mass.	76	2	6	3	17	18	13	1	3	5	2	4	2	
R. I.	9			2	5		2						2	
Conn.	23	7		2	1	2	1	2	3	1	1	1	2	
<b>Mid. Atlantic</b>	<b>597</b>	<b>15</b>	<b>23</b>	<b>52</b>	<b>137</b>	<b>149</b>	<b>73</b>	<b>59</b>	<b>17</b>	<b>28</b>	<b>11</b>	<b>13</b>	<b>20</b>	
N. Y. (excl. N. Y. C.)	226	9	10	29	57	37	16	16	10	22	9	5	6	
N. Y. C.	105	3	9	12	24	19	14	9	2	5	2	2	4	
N. J.	109	2	1	11	41	6	4	33	3	1			7	
Pa.	157	1	3		15	87	39	1	2			6	3	
<b>E. N. Central</b>	<b>901</b>	<b>72</b>	<b>110</b>	<b>117</b>	<b>148</b>	<b>185</b>	<b>92</b>	<b>34</b>	<b>23</b>	<b>28</b>	<b>24</b>	<b>28</b>	<b>38</b>	<b>2</b>
Ohio	9		1		5								1	
Ind.	388	33	43	45	53	85	50	14	8	17	8	9	23	
Ill.	188		27	26	41	44	13	3	3	4	5	14	8	
Mich.	129	31	26	20	23	10	10	3	3		3		6	
Wis.	187	8	13	26	26	46	19	14	9	7	8	5	6	
<b>W. N. Central</b>	<b>214</b>	<b>25</b>	<b>40</b>	<b>41</b>	<b>31</b>	<b>28</b>	<b>24</b>	<b>5</b>	<b>5</b>	<b>2</b>	<b>6</b>	<b>5</b>	<b>2</b>	
Minn.	28	2	2	4	13	3	3				1			
Iowa	10		1	2			2	2	1	1			1	
Mo.	45	3	6	12	6	9	3	2	2		1	1		
N. Dak.	6	1	2		2					1				
S. Dak.	2								2					
Nebr.	4						3	1						
Kans.	119	19	29	23	10	16	13				4	4	1	
<b>S. Atlantic</b>	<b>355</b>	<b>22</b>	<b>59</b>	<b>53</b>	<b>81</b>	<b>63</b>	<b>16</b>	<b>16</b>	<b>14</b>	<b>9</b>	<b>8</b>	<b>10</b>	<b>3</b>	<b>1</b>
Del.	1				1									
Md.	69		1	5	48	15								
D. C.	1			1										
Va.	42	1	2	3	5	26	2	1				1	1	
W. Va.	27	4	1	3	6	2	5	2		2	2			
N. C.	48	1	14	19	6		2	2					1	
S. C.	58	8	24	10	3	4			2	2	4	1		
Ga.														
Fla.	109	8	17	12	12	16	7	11	10	5	2	7	1	1
<b>E. S. Central</b>	<b>92</b>	<b>12</b>	<b>16</b>	<b>20</b>	<b>15</b>	<b>7</b>	<b>3</b>	<b>4</b>	<b>4</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>4</b>	
Ky.	46	5	5	12	9	2	2		2	1	2	3	3	
Tenn.	41	7	10	7	4	5	1	3	2	1			1	
Ala.	3		1	1	1									
Miss.	2				1			1						
<b>W. S. Central</b>	<b>157</b>	<b>3</b>	<b>19</b>	<b>15</b>	<b>22</b>	<b>28</b>	<b>10</b>	<b>11</b>	<b>7</b>	<b>5</b>	<b>15</b>	<b>12</b>	<b>10</b>	
Ark.	5		1	1		1		1						
La.	13		2	1	2	3	1	1			2	1		
Okla.	8			1		1	1	1		1	1		2	
Texas	131	3	16	12	20	23	8	7	7	4	12	11	8	
<b>Mountain</b>	<b>185</b>	<b>8</b>	<b>20</b>	<b>14</b>	<b>29</b>	<b>26</b>	<b>27</b>	<b>11</b>	<b>5</b>	<b>7</b>	<b>11</b>	<b>9</b>	<b>18</b>	
Mont.	46		2	1	15	14	9	2	1	2				
Idaho	30	2	4	2	3	5	2		1	2	1	5	3	
Wyo.	1								1					
Colo.	12			2	4	1		2	2	1				
N. Mex.	5	2	1	1	1									
Ariz.	51		5	4		5	12	4		1	7	3	10	
Utah	31	2	7	4	6		4	1	1		3	1	2	
Nev.	9	2	1			1		1		1			3	
<b>Pacific</b>	<b>1,116</b>	<b>73</b>	<b>67</b>	<b>239</b>	<b>118</b>	<b>144</b>	<b>112</b>	<b>58</b>	<b>35</b>	<b>33</b>	<b>56</b>	<b>34</b>	<b>116</b>	<b>31</b>
Wash.	97	9	6	6	17	20	8	2	4	7	5	2	11	
Oreg.	73	3	6	19		14	5	3			12	3	8	
Calif.	929	61	54	214	101	108	90	51	30	25	39	28	97	
Alaska	12					1		1	1	1				
Hawaii	5					1	2	1				1		
Guam	2							2						
P. R.	30	2		5	3	3	2	1	3	2	6	2	1	
V. I.														
Pac. Trust Terr.	2	1											1	
C.N.M.I.														

**RUBELLA (German measles) — Reported case rates by age group\*, United States, 1980 vs. 1979**



\*EXCLUDES UNKNOWN AGES

In 1980, the reported age-specific incidence rate of rubella decreased for all age groups compared to 1979, with the decrease seen greatest for the 15-19-year-old age group. This resulted in a dramatic change in the age-specific characteristics. From 1976 through 1979, more than 70% of the reported cases of rubella were  $\geq 15$  years of age. In 1980, only 47% of the cases were in this age group. Reflecting this decrease in the incidence rate of rubella in older individuals, the highest age-specific incidence rate was for 0-4 year olds. The proportion of cases with unknown age was 24% for 1980, a decrease from 32% for 1979.

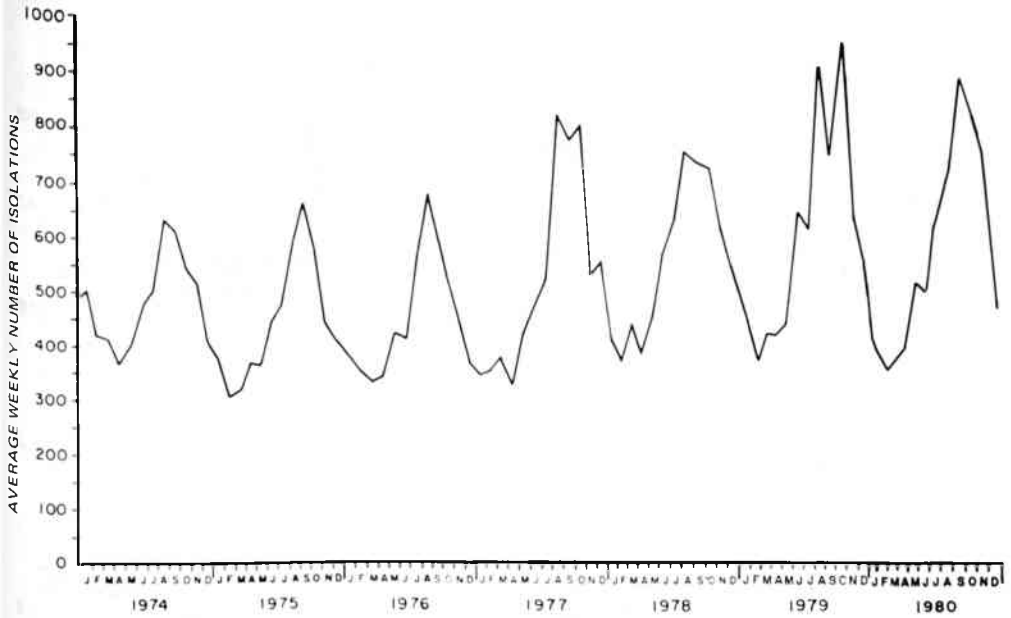
# RUBELLA

## RUBELLA — (German measles) — Reported cases by state and by age, United States, 1980

	Total	Under 1	1-4	5-9	10-14	15-19	20-24	25-29	30-39	40-49	50-59	60+	Unk
<b>United States</b>	<b>3,904</b>	<b>294<sup>1</sup></b>	<b>401<sup>1</sup></b>	<b>477</b>	<b>390</b>	<b>602</b>	<b>438<sup>1</sup></b>	<b>165<sup>1</sup></b>	<b>117</b>	<b>44</b>	<b>13</b>	<b>3</b>	<b>937</b>
<b>New England</b>	<b>287</b>	<b>17</b>	<b>24</b>	<b>27</b>	<b>41</b>	<b>83</b>	<b>37</b>	<b>18</b>	<b>11</b>	<b>7</b>	<b>1</b>	<b>—</b>	<b>21</b>
Maine	129	2	3	6	16	50	16	7	6	3	1	—	19
N.H.	47	4	8	14	9	6	2	1	1	1	—	—	1
Vt.	3	2	—	—	—	1	—	—	—	—	—	—	—
Mass.	76	6	13	6	16	18	8	6	1	2	—	—	—
R.I.	9	—	—	1	—	—	4	2	2	—	—	—	—
Conn.	23	3	—	—	—	8	7	2	1	1	—	—	1
<b>Mid. Atlantic</b>	<b>597</b>	<b>39</b>	<b>66</b>	<b>56</b>	<b>97</b>	<b>131</b>	<b>115</b>	<b>21</b>	<b>13</b>	<b>5</b>	<b>2</b>	<b>1</b>	<b>51</b>
N.Y. (excl. NYC)	226	20	24	34	17	67	47	8	4	4	—	—	1
N.Y.C.	105	18	21	9	12	12	17	7	6	—	1	1	1
N.J.	109	1	7	5	2	34	47	5	3	1	1	—	3
Pa.	157	—	14	8	66	18	4	1	—	—	—	—	46
<b>E.N. Central</b>	<b>901</b>	<b>63</b>	<b>92</b>	<b>178</b>	<b>99</b>	<b>78</b>	<b>42</b>	<b>22</b>	<b>12</b>	<b>3</b>	<b>—</b>	<b>—</b>	<b>312</b>
Ohio	9	1	1	—	—	1	3	1	—	—	—	—	2
Ind.	388	13	12	14	12	37	11	9	5	—	—	—	275
Ill.	188	18	18	64	37	17	11	5	3	1	—	—	14
Mich.	129	4	18	67	21	9	8	—	2	—	—	—	—
Wis.	187	27	43	33	29	14	9	7	2	2	—	—	21
<b>W.N. Central</b>	<b>214</b>	<b>12</b>	<b>11</b>	<b>30</b>	<b>20</b>	<b>21</b>	<b>8</b>	<b>6</b>	<b>2</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>103</b>
Minn.	28	4	1	5	6	9	1	1	—	1	—	—	—
Iowa	10	1	—	1	—	3	—	3	2	—	—	—	—
Mo.	45	3	5	11	6	4	—	—	—	—	—	—	16
N. Dak.	6	1	2	—	—	—	1	2	—	—	—	—	—
S. Dak.	2	—	—	—	—	2	—	—	—	—	—	—	—
Nebr.	4	—	—	—	—	2	2	—	—	—	—	—	—
Kans.	119	3	3	13	8	1	4	—	—	—	—	—	87
<b>S. Atlantic</b>	<b>355</b>	<b>15</b>	<b>58</b>	<b>31</b>	<b>28</b>	<b>66</b>	<b>94</b>	<b>21</b>	<b>13</b>	<b>4</b>	<b>3</b>	<b>1</b>	<b>21</b>
Del.	1	—	—	—	—	—	—	—	1	—	—	—	—
Md.	69	—	—	—	—	17	40	6	5	—	1	—	—
D.C.	1	—	—	—	—	—	1	—	—	—	—	—	—
Va.	42	1	1	1	12	14	5	2	4	2	—	—	4
W. Va.	27	4	7	6	5	—	—	1	—	—	—	—	—
N.C.	48	1	6	—	—	13	24	3	1	—	—	—	—
S.C.	58	1	6	5	3	5	19	—	—	1	1	—	17
Ga.	—	—	—	—	—	—	—	—	—	—	—	—	—
Fla.	109	8	38	19	8	17	5	9	2	1	1	1	12
<b>E.S. Central</b>	<b>92</b>	<b>23</b>	<b>19</b>	<b>13</b>	<b>4</b>	<b>7</b>	<b>6</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>—</b>	<b>10</b>
Ky.	46	18	10	4	2	1	1	—	—	—	—	—	2
Tenn.	41	4	9	9	2	6	4	1	3	—	1	—	—
Ala.	3	—	—	—	—	—	1	2	—	—	—	—	—
Miss.	2	1	—	—	—	—	—	—	—	1	—	—	—
<b>W.S. Central</b>	<b>157</b>	<b>43</b>	<b>34</b>	<b>32</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>—</b>	<b>4</b>
Ark.	5	—	1	1	1	1	1	—	—	—	—	—	—
La.	13	1	2	5	3	1	1	—	—	—	—	—	—
Okla.	8	1	3	2	—	1	—	—	—	1	—	—	4
Tex.	131	41	28	24	7	9	11	4	1	1	1	—	—
<b>Mountain</b>	<b>185</b>	<b>17<sup>1</sup></b>	<b>20<sup>1</sup></b>	<b>15</b>	<b>15</b>	<b>33</b>	<b>25<sup>1</sup></b>	<b>10<sup>1</sup></b>	<b>13</b>	<b>2</b>	<b>1</b>	<b>—</b>	<b>11</b>
Mont.	46	1	3	—	1	8	17	6	6	—	1	—	3
Idaho	30	6	3	1	5	7	—	3	—	2	—	—	3
Wyo.	1	—	1	—	—	—	—	—	—	—	—	—	—
Colo.	12	—	4	—	—	3	2	—	3	—	—	—	1
N. Mex.	5	—	—	1	1	—	1	1	—	—	—	—	1
Ariz.	51	( . . . 20 . . . )	( . . . )	11	5	8	( . . . 3 . . . )	( . . . )	3	—	—	—	1
Utah	31	8	7	1	2	6	3	—	1	—	—	—	3
Nev.	9	2	2	1	1	1	2	—	—	—	—	—	—
<b>Pacific</b>	<b>1,116</b>	<b>65</b>	<b>77</b>	<b>95</b>	<b>75</b>	<b>171</b>	<b>98</b>	<b>60</b>	<b>49</b>	<b>19</b>	<b>4</b>	<b>1</b>	<b>402</b>
Wash.	97	( . . . )	( . . . )	( . . . )	( . . . )	( . . . )	NA	( . . . )	( . . . )	( . . . )	( . . . )	( . . . )	( . . . )
Oreg.	73	4	8	6	2	3	3	3	3	1	—	—	97
Calif.	929	59	67	89	73	168	88	54	46	18	4	1	262
Alaska	12	2	2	—	—	—	3	2	—	—	—	—	3
Hawaii	5	—	—	—	—	—	4	1	—	—	—	—	—
Guam	2	( . . . )	( . . . )	( . . . )	( . . . )	( . . . )	NA	( . . . )	( . . . )	( . . . )	( . . . )	( . . . )	2
P.R.	30	2	8	—	2	2	2	1	2	1	—	—	10
V.I.	—	( . . . )	( . . . )	( . . . )	( . . . )	( . . . )	( . . . )	( . . . )	( . . . )	( . . . )	( . . . )	( . . . )	—
Pac. Trust Terr.	2	( . . . )	( . . . )	( . . . )	( . . . )	( . . . )	NA	( . . . )	( . . . )	( . . . )	( . . . )	( . . . )	2
C.N.M.I.	—	( . . . )	( . . . )	( . . . )	( . . . )	( . . . )	( . . . )	( . . . )	( . . . )	( . . . )	( . . . )	( . . . )	—

<sup>1</sup> Does not include cases reported by state of Arizona.

**SALMONELLA – Reported isolations from humans by week,\* United States, 1974-1980**

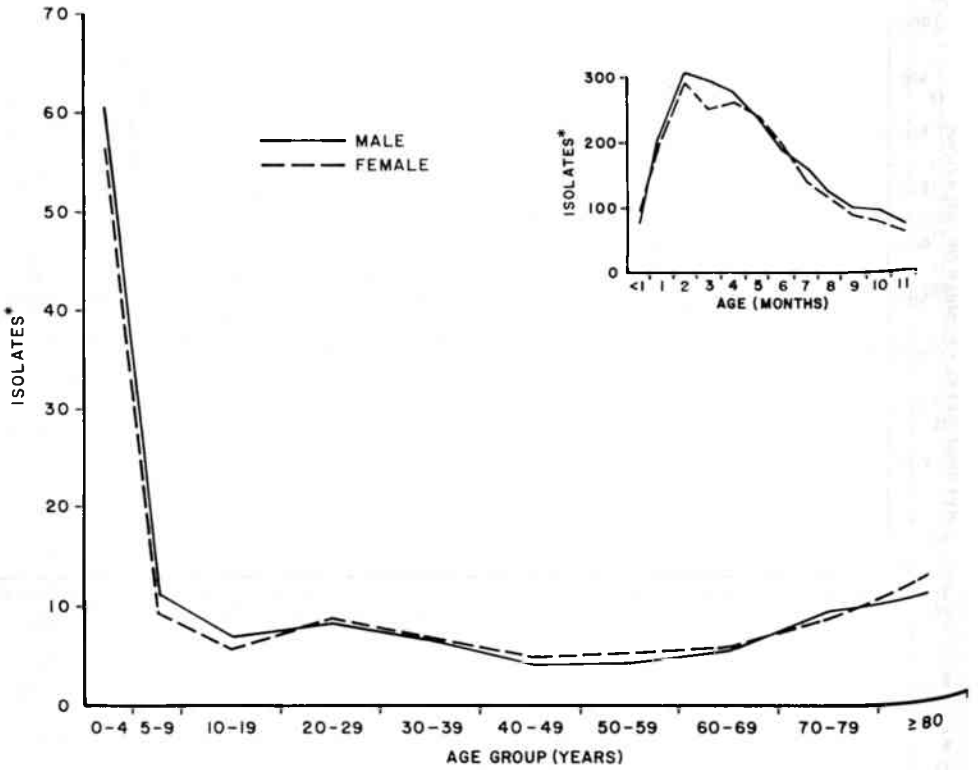


\* Each point represents the weekly average number of isolates for the month.

The marked increase in the number of reported isolates during the warmer months suggests that conditions present during this time of year contribute to the spread of *Salmonella*.

# SALMONELLA

*SALMONELLA* – Reported isolations from humans by age, United States, 1980



\*PER 100,000 POPULATION

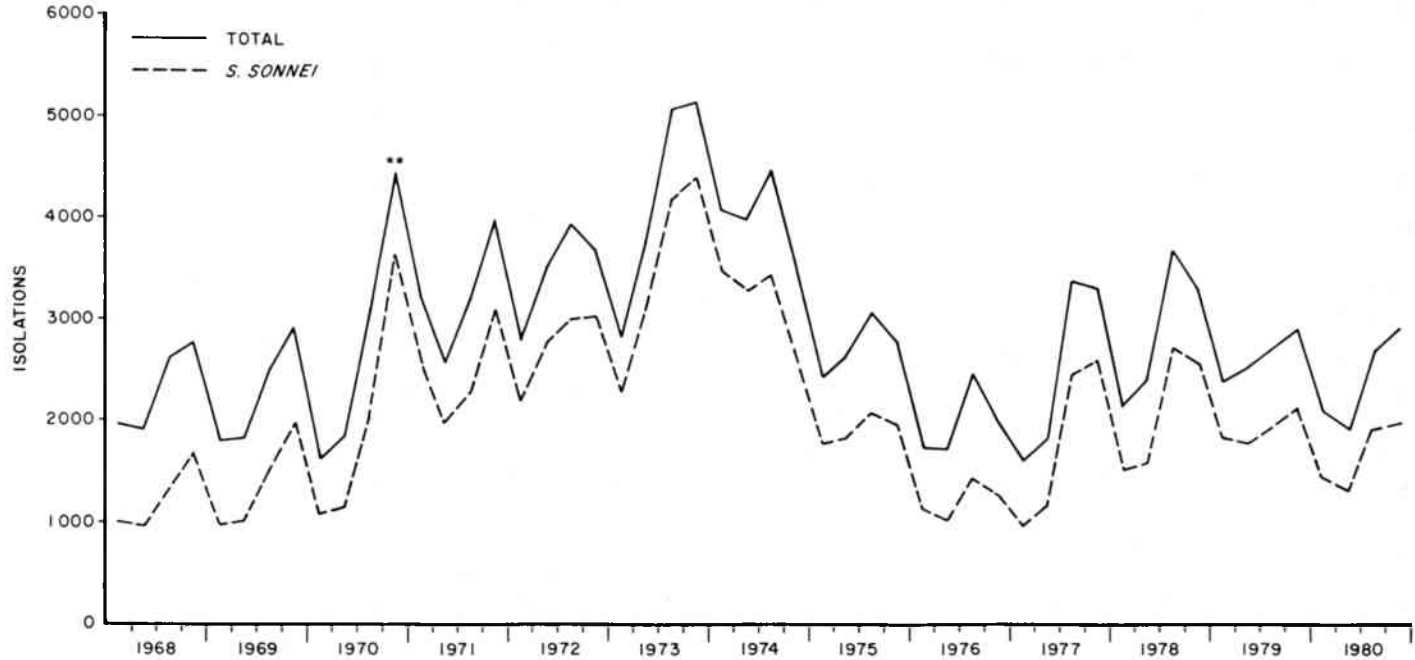
SALMONELLA

SALMONELLOSIS (excluding typhoid fever) — Reported cases by state and by age, United States, 1980

Area	Total	Under 1	1-4	5-9	10-14	15-19	20-24	25-29	30-39	40-49	50-59	60+	Unk.
<b>United States</b>	<b>33,715</b>	<b>6,420</b>	<b>5,316</b>	<b>2,117</b>	<b>1,402</b>	<b>1,566</b>	<b>1,870</b> <sup>1</sup>	<b>1,489</b> <sup>1</sup>	<b>1,981</b>	<b>1,205</b>	<b>1,210</b>	<b>2,814</b>	<b>6,057</b>
<b>New England</b>	<b>2,517</b>	<b>312</b>	<b>323</b>	<b>179</b>	<b>145</b>	<b>259</b>	<b>281</b>	<b>165</b>	<b>231</b>	<b>113</b>	<b>124</b>	<b>269</b>	<b>116</b>
Maine	132	15	15	7	3	15	5	9	4	5	7	18	29
N.H.	159	14	18	11	11	14	35	9	12	8	8	18	1
Vt.	53	1	8	4	8	8	—	2	8	1	4	9	—
Mass.	1,379	163	180	100	79	154	179	99	136	61	68	127	33
R.I.	124	24	19	7	5	7	16	4	11	4	6	21	—
Conn.	670	95	83	50	39	61	46	42	60	34	31	76	53
<b>Mid. Atlantic</b>	<b>5,320</b>	<b>1,082</b>	<b>951</b>	<b>449</b>	<b>289</b>	<b>291</b>	<b>332</b>	<b>269</b>	<b>306</b>	<b>196</b>	<b>185</b>	<b>494</b>	<b>476</b>
N.Y. (excl. NYC)	1,104	128	189	118	73	81	102	74	90	46	42	111	50
N.Y.C.	1,194	317	221	72	29	32	32	39	51	24	32	74	271
N.J.	1,358	326	258	116	87	78	66	59	75	46	41	113	93
Pa.	1,664	311	283	143	100	100	132	97	90	80	70	196	62
<b>E.N. Central</b>	<b>5,278</b>	<b>921</b>	<b>597</b>	<b>268</b>	<b>209</b>	<b>224</b>	<b>305</b>	<b>249</b>	<b>288</b>	<b>154</b>	<b>162</b>	<b>340</b>	<b>1,561</b>
Ohio	842	185	116	65	54	45	62	66	60	41	38	66	44
Ind.	485	85	60	30	26	18	26	25	33	22	19	29	112
Ill.	1,835	537	296	118	80	84	122	91	121	56	55	124	151
Mich.	1,191	—	—	—	—	—	NA	—	—	—	—	—	1,191
Wis.	925	114	125	55	49	77	95	67	74	35	50	121	63
<b>W.N. Central</b>	<b>2,116</b>	<b>361</b>	<b>317</b>	<b>113</b>	<b>93</b>	<b>94</b>	<b>139</b>	<b>96</b>	<b>128</b>	<b>89</b>	<b>88</b>	<b>191</b>	<b>407</b>
Minn.	608	84	95	38	45	36	56	43	68	35	32	60	16
Iowa	189	35	32	10	7	16	16	15	14	12	11	16	5
Mo.	606	122	81	20	16	19	22	15	14	28	21	59	189
N. Dak.	87	14	12	6	1	1	4	2	2	2	3	10	30
S. Dak.	98	18	7	5	2	5	3	1	6	4	2	14	31
Nebr.	135	9	27	9	7	7	14	7	7	1	3	12	32
Kans.	393	79	63	25	15	10	24	13	17	7	16	20	104
<b>S. Atlantic</b>	<b>7,354</b>	<b>1,673</b>	<b>1,638</b>	<b>512</b>	<b>312</b>	<b>268</b>	<b>316</b>	<b>250</b>	<b>402</b>	<b>237</b>	<b>234</b>	<b>616</b>	<b>896</b>
Del.	111	29	29	4	5	8	8	—	7	1	8	9	3
Md.	1,204	315	246	94	66	54	58	62	64	43	42	82	78
D.C.	160	42	50	20	8	2	—	1	6	5	3	8	15
Va.	1,303	223	197	104	69	58	62	50	72	42	35	89	302
W. Va.	153	23	19	17	3	6	10	6	7	3	3	14	42
N.C.	884	225	170	66	42	42	41	34	69	45	36	103	11
S.C.	477	130	72	30	15	15	15	14	20	14	9	39	104
Ga.	1,031	257	162	47	31	25	32	24	59	34	30	65	265
Fla.	2,031	429	693	130	73	58	90	59	98	50	68	207	76
<b>E.S. Central</b>	<b>1,884</b>	<b>327</b>	<b>274</b>	<b>110</b>	<b>53</b>	<b>52</b>	<b>67</b>	<b>57</b>	<b>81</b>	<b>64</b>	<b>77</b>	<b>126</b>	<b>596</b>
Ky.	302	60	48	24	11	8	12	10	23	7	11	32	56
Tenn.	546	134	100	43	29	34	33	25	33	27	34	54	—
Ala.	534	21	57	12	9	2	9	14	12	15	14	7	362
Miss.	502	112	69	31	4	8	13	8	13	15	18	33	178
<b>W.S. Central</b>	<b>3,528</b>	<b>952</b>	<b>621</b>	<b>185</b>	<b>114</b>	<b>98</b>	<b>151</b>	<b>118</b>	<b>176</b>	<b>114</b>	<b>113</b>	<b>293</b>	<b>593</b>
Ark.	474	141	97	21	16	12	16	16	17	8	21	56	53
La.	212	81	35	8	7	5	8	5	9	5	6	24	19
Okla.	386	39	48	16	6	18	17	10	12	14	7	36	163
Texas	2,456	691	441	140	85	63	110	87	138	87	79	177	358
<b>Mountain</b>	<b>1,561</b>	<b>140</b> <sup>1</sup>	<b>171</b> <sup>1</sup>	<b>113</b>	<b>70</b>	<b>86</b>	<b>86</b> <sup>1</sup>	<b>68</b> <sup>1</sup>	<b>113</b>	<b>61</b>	<b>65</b>	<b>154</b>	<b>276</b>
Mont.	168	11	23	16	14	10	16	11	15	10	10	13	19
Idaho	141	10	12	12	4	8	14	7	10	10	4	13	37
Wyo.	14	3	1	—	1	2	2	1	1	1	—	1	1
Colo.	564	67	90	40	29	30	38	37	43	21	21	64	84
N. Mex.	212	24	21	14	6	6	12	5	10	4	5	14	91
Ariz.	314	( . . . 125 . . . )	( . . . )	17	10	22	( . . . 33 . . . )	( . . . )	27	9	15	39	17
Utah	105	19	16	8	3	7	3	7	6	6	5	10	15
Nev.	43	6	8	6	3	1	1	—	1	—	5	—	12
<b>Pacific</b>	<b>4,157</b>	<b>652</b>	<b>424</b>	<b>188</b>	<b>117</b>	<b>194</b>	<b>293</b>	<b>217</b>	<b>266</b>	<b>177</b>	<b>162</b>	<b>331</b>	<b>1,136</b>
Wash.	461	30	32	28	15	22	34	20	27	19	13	40	181
Oreg.	289	32	52	12	11	13	28	27	29	10	21	28	26
Calif.	2,951	583	336	146	88	155	228	165	205	146	126	260	513
Alaska	55	7	4	2	3	4	3	5	5	2	2	3	15
Hawaii	401	( . . . )	( . . . )	( . . . )	( . . . )	( . . . )	NA	( . . . )	( . . . )	( . . . )	( . . . )	( . . . )	401
Guam	126	58	24	2	1	3	5	5	9	1	3	3	12
P.R.	303	( . . . )	( . . . )	( . . . )	( . . . )	( . . . )	NA	( . . . )	( . . . )	( . . . )	( . . . )	( . . . )	303
V.I.	—	—	—	—	—	—	—	—	—	—	—	—	—
Pac. Trust Terr.	—	—	—	—	—	—	—	—	—	—	—	—	—
C.N.M.I.	—	—	—	—	—	—	—	—	—	—	—	—	—

<sup>1</sup> Does not include cases reported by state of Arizona.

*SHIGELLA* – Reported isolations from humans by quarter, United States,\* 1968-1980



\*NO REPORTS FROM CALIFORNIA OR THE VIRGIN ISLANDS AFTER 1969

\*\*APPROXIMATELY 400 ISOLATIONS IN AUGUST 1970 COMMON-SOURCE OUTBREAK IN HAWAII

Over 14,000 *Shigella* isolates were reported in the United States for 1980 with *S. sonnei* and *S. flexneri* accounting for approximately 70% and 27%, respectively. The isolation rates of the 2 predominant species continue to be reversed for the American Indian reservations where 58% of the isolates were *S. flexneri* and 41% *S. sonnei*. In contrast to *Salmonella*, for which the highest rate of isolation occurred in the 2-month age group, the highest isolation rate for *Shigella* occurred in the 2-year-old age group.



# SHIGELLA

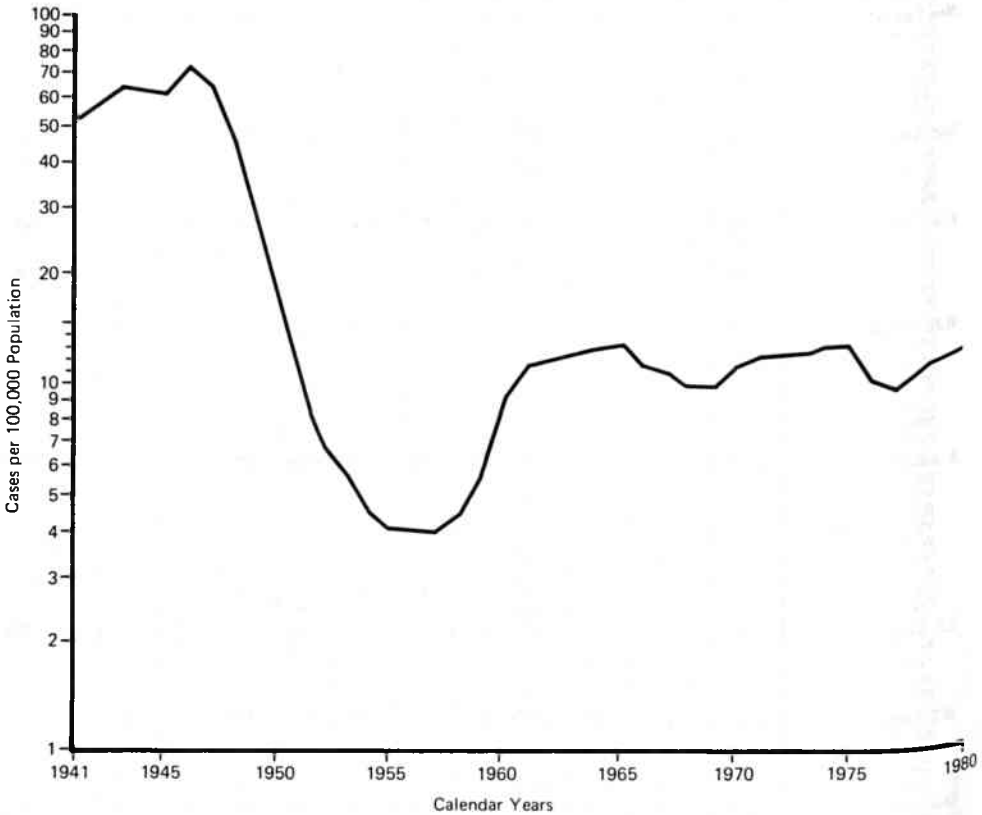
**SHIGELLOSIS — Reported cases by state and by age, United States, 1980**

Area	Total	Under 1	1-4	5-9	10-14	15-19	20-24	25-29	30-39	40-49	50-59	60+	Unk.
<b>United States</b>	<b>19,041</b>	<b>844<sup>1</sup></b>	<b>5,196<sup>1</sup></b>	<b>2,500</b>	<b>860</b>	<b>638</b>	<b>1,100<sup>1</sup></b>	<b>1,080<sup>1</sup></b>	<b>1,271</b>	<b>565</b>	<b>345</b>	<b>503</b>	<b>3,692</b>
<b>New England</b>	<b>514</b>	<b>9</b>	<b>110</b>	<b>50</b>	<b>37</b>	<b>22</b>	<b>42</b>	<b>47</b>	<b>80</b>	<b>44</b>	<b>28</b>	<b>23</b>	<b>22</b>
Maine	3	—	—	—	—	—	—	—	2	—	—	—	1
N.H.	7	—	4	3	—	—	—	—	—	—	—	—	—
Vt.	15	—	6	2	—	—	2	1	—	—	—	—	1
Mass.	353	6	78	30	29	16	32	31	60	32	15	16	8
R.I.	22	1	2	3	1	3	1	4	1	1	2	3	—
Conn.	114	2	20	12	7	3	7	11	17	11	8	4	12
<b>Mid. Atlantic</b>	<b>1,940</b>	<b>78</b>	<b>475</b>	<b>289</b>	<b>119</b>	<b>74</b>	<b>111</b>	<b>130</b>	<b>143</b>	<b>73</b>	<b>52</b>	<b>68</b>	<b>328</b>
N.Y. (excl. NYC)	309	8	82	37	25	26	35	31	15	13	9	10	18
N.Y.C.	762	27	148	92	36	19	27	43	65	26	11	17	251
N.J.	588	37	183	106	39	15	22	27	33	24	18	34	50
Pa.	281	6	62	54	19	14	27	29	30	10	14	7	9
<b>E.N. Central</b>	<b>2,520</b>	<b>160</b>	<b>682</b>	<b>340</b>	<b>140</b>	<b>83</b>	<b>178</b>	<b>127</b>	<b>141</b>	<b>58</b>	<b>32</b>	<b>44</b>	<b>535</b>
Ohio	503	26	184	92	41	22	45	27	20	6	2	7	31
Ind.	341	15	88	49	38	13	25	16	18	3	1	2	73
Ill.	1,054	109	325	156	46	34	87	64	72	33	21	24	83
Mich.	330	—	—	—	—	—	NA	—	—	—	—	—	330
Wis.	292	10	85	43	15	14	21	20	31	16	8	11	18
<b>W.N. Central</b>	<b>825</b>	<b>26</b>	<b>240</b>	<b>113</b>	<b>39</b>	<b>31</b>	<b>58</b>	<b>65</b>	<b>61</b>	<b>20</b>	<b>16</b>	<b>22</b>	<b>134</b>
Minn.	153	6	32	19	8	8	18	25	16	10	5	7	3
Iowa	56	2	18	3	7	3	5	4	3	4	4	3	—
Mo.	129	2	37	19	2	5	5	7	8	2	—	3	39
N. Dak.	42	1	13	5	1	2	1	—	2	—	1	1	15
S. Dak.	113	11	35	9	6	1	7	3	5	2	1	1	32
Nebr.	32	1	11	2	—	—	6	3	2	1	—	1	5
Kans.	300	3	94	56	15	12	20	23	25	1	5	6	40
<b>S. Atlantic</b>	<b>2,049</b>	<b>82</b>	<b>723</b>	<b>315</b>	<b>85</b>	<b>71</b>	<b>117</b>	<b>130</b>	<b>125</b>	<b>48</b>	<b>30</b>	<b>64</b>	<b>259</b>
Del.	43	—	17	4	3	—	4	3	—	—	1	4	7
Md.	190	8	63	24	9	12	14	12	11	6	4	14	13
D.C.	39	1	8	1	—	—	5	7	8	1	—	2	6
Va.	198	6	37	33	16	9	9	18	18	8	—	—	43
W. Va.	23	—	6	8	2	—	—	3	—	—	—	—	2
N.C.	128	10	43	29	5	5	10	8	6	4	1	4	3
S.C.	87	2	22	12	4	1	3	7	5	2	2	3	24
Ga.	414	12	138	48	13	18	22	17	13	9	5	9	110
Fla.	927	43	389	156	33	26	50	61	58	18	16	26	51
<b>E.S. Central</b>	<b>549</b>	<b>28</b>	<b>159</b>	<b>73</b>	<b>21</b>	<b>17</b>	<b>24</b>	<b>24</b>	<b>28</b>	<b>7</b>	<b>5</b>	<b>9</b>	<b>154</b>
Ky.	150	12	56	26	8	5	5	9	8	1	1	1	18
Tenn.	156	7	59	33	5	5	11	9	13	5	2	7	—
Ala.	157	8	22	8	5	2	5	2	2	1	1	1	100
Miss.	86	1	22	6	3	5	3	4	5	—	1	—	36
<b>W.S. Central</b>	<b>2,712</b>	<b>175</b>	<b>996</b>	<b>416</b>	<b>127</b>	<b>70</b>	<b>153</b>	<b>167</b>	<b>131</b>	<b>51</b>	<b>41</b>	<b>92</b>	<b>293</b>
Ark.	62	5	21	9	1	1	5	2	1	—	1	7	9
La.	233	13	70	48	10	11	16	20	14	2	5	5	19
Okla.	255	12	69	19	7	5	20	8	9	6	2	7	91
Texas	2,162	145	836	340	109	53	112	137	107	43	33	73	174
<b>Mountain</b>	<b>2,228</b>	<b>39<sup>1</sup></b>	<b>387<sup>1</sup></b>	<b>315</b>	<b>102</b>	<b>77</b>	<b>66<sup>1</sup></b>	<b>68<sup>1</sup></b>	<b>130</b>	<b>51</b>	<b>34</b>	<b>45</b>	<b>467</b>
Mont.	32	1	10	4	3	2	1	—	—	—	1	2	8
Idaho	155	3	41	21	12	3	5	9	9	1	—	—	51
Wyo.	81	5	29	16	2	1	7	8	7	1	1	—	4
Colo.	390	16	119	59	20	15	22	30	35	11	6	10	47
N. Mex.	627	11	149	62	16	8	16	11	34	9	8	10	293
Ariz.	754	(... 367 ...)	(... 125 ...)	(... 33 ...)	(... 30 ...)	(... 80 ...)	(... 33 ...)	(... 23 ...)	(... 16 ...)	(... 21 ...)	(... 2 ...)	(... 2 ...)	(... 27 ...)
Utah	176	3	38	27	16	18	15	10	12	6	2	2	27
Nev.	13	—	1	—	—	—	—	—	—	—	—	—	11
<b>Pacific</b>	<b>5,704</b>	<b>247</b>	<b>1,424</b>	<b>589</b>	<b>190</b>	<b>193</b>	<b>351</b>	<b>322</b>	<b>432</b>	<b>213</b>	<b>107</b>	<b>136</b>	<b>1,500</b>
Wash.	287	2	52	22	7	11	22	27	28	11	11	7	87
Oreg.	157	12	35	14	6	10	16	14	23	9	3	2	13
Calif.	4,856	230	1,327	546	174	171	307	278	377	192	91	125	1,038
Alaska	248	3	10	7	3	1	6	3	4	1	2	2	206
Hawaii	156	—	—	—	—	—	NA	—	—	—	—	—	156
Guam	30	—	7	4	3	—	1	7	2	—	2	3	1
P.R.	89	—	—	—	—	—	NA	—	—	—	—	—	89
V.I.	1	—	1	—	—	—	—	—	—	—	—	—	—
Pac. Trust Terr.	40	—	—	—	—	—	NA	—	—	—	—	—	40
C.N.M.I.	—	—	—	—	—	—	—	—	—	—	—	—	—

<sup>1</sup> Does not include cases reported by state of Arizona.

# SYPHILIS

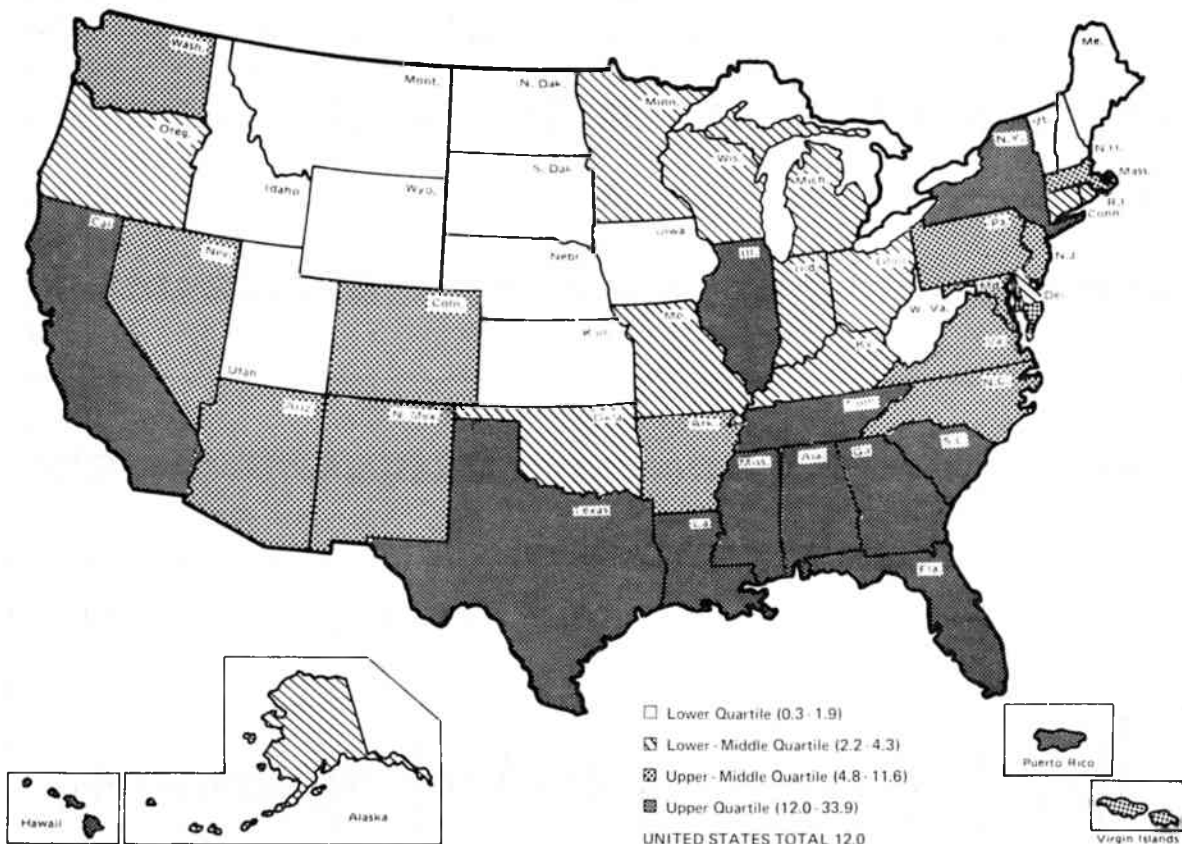
SYPHILIS (Primary and secondary) – Reported civilian case rates by year, United States, 1941-1980\*



\*1941-1946 Fiscal Years: Twelve month period ending June 30 of year specified.  
1947-1980 Calendar Years.

Syphilis is the third most frequently reported communicable disease in the United States. The trend of reported primary and secondary syphilis has changed directions several times during the 39 years these data have been available. Reported primary and secondary syphilis cases totaled 27,204 for 1980, an increase of 9.4% from the number reported for 1979. The variations in reported case rates of primary and secondary syphilis for states reflect differences in many variables, including case-finding activity, availability of public clinic facilities, program priorities, and reporting practices, as well as difference in attack rates.

**SYPHILIS (Primary and secondary) – Reported cases in civilians per 100,000 population by state, United States, calendar year 1980**



# SYPHILIS

SYPHILIS — Reported cases in civilians per 100,000 population by geographic division and by state, United States, calendar years 1979 and 1980

Area	Primary/Secondary		All Stages	
	Rate		Rate	
	1980	1979	1980	1979
<b>United States</b>	<b>12.0</b>	<b>11.4</b>	<b>30.4</b>	<b>30.7</b>
<b>New England</b>	<b>4.1</b>	<b>4.0</b>	<b>13.4</b>	<b>11.6</b>
Maine	0.5	0.9	3.3	5.3
N.H.	0.5	2.0	3.2	2.9
Vt.	0.8	0.6	2.2	0.8
Mass.	5.5	5.0	15.7	14.4
R.I.	3.4	2.2	12.4	8.1
Conn.	4.3	5.0	17.9	13.8
<b>Mid. Atlantic</b>	<b>10.2</b>	<b>10.0</b>	<b>29.0</b>	<b>29.6</b>
N.Y.	15.5	15.4	38.3	40.7
N.J.	6.0	6.6	31.2	26.5
Pa.	4.8	4.0	14.0	14.9
<b>E.N. Central</b>	<b>5.9</b>	<b>7.2</b>	<b>20.4</b>	<b>23.3</b>
Ohio	3.5	5.6	12.6	14.3
Ind.	3.7	4.3	11.9	16.7
Ill.	12.0	14.7	42.7	49.2
Mich.	4.3	4.5	12.6	13.7
Wis.	2.2	1.7	9.1	8.6
<b>W.N. Central</b>	<b>2.2</b>	<b>1.8</b>	<b>12.2</b>	<b>12.2</b>
Minn.	3.1	2.0	7.0	5.9
Iowa	1.1	1.3	6.3	8.3
Mo.	3.4	2.9	22.2	18.5
N. Dak.	0.3	0.3	2.0	0.8
S. Dak.	0.9	0.3	1.9	2.1
Nebr.	0.8	0.5	3.1	2.5
Kans.	1.6	1.7	19.3	27.5
<b>S. Atlantic</b>	<b>17.7</b>	<b>17.0</b>	<b>42.3</b>	<b>43.8</b>
Del.	3.2	4.5	10.4	15.1
Md.	9.4	8.4	33.5	36.8
D.C.	77.3	69.9	229.6	209.7
Va.	10.9	9.8	29.2	30.3
W. Va.	1.0	2.1	27.3	36.2
N.C.	8.4	7.9	24.8	25.2
S.C.	13.0	11.2	30.7	24.1
Ga.	33.8	32.3	69.8	65.0
Fla.	23.2	24.0	45.0	52.1
<b>E.S. Central</b>	<b>15.0</b>	<b>11.9</b>	<b>29.6</b>	<b>25.5</b>
Ky.	3.5	4.6	13.4	15.3
Tenn.	20.2	15.7	36.9	30.5
Ala.	12.3	8.0	22.7	15.2
Miss.	26.7	21.5	50.4	47.1
<b>W.S. Central</b>	<b>23.5</b>	<b>20.3</b>	<b>46.7</b>	<b>42.5</b>
Ark.	9.5	7.6	25.0	23.6
La.	33.9	28.1	72.5	56.4
Okla.	3.7	3.0	13.2	14.1
Texas	26.9	23.8	49.7	47.6
<b>Mountain</b>	<b>6.0</b>	<b>4.9</b>	<b>13.7</b>	<b>12.9</b>
Mont.	0.3	1.4	2.7	3.2
Idaho	1.8	1.8	3.4	2.9
Wyo.	1.9	2.2	7.4	6.5
Colo.	6.6	4.3	14.3	12.3
N. Mex.	8.6	7.8	21.0	19.1
Ariz.	8.9	6.3	19.6	19.8
Utah	1.2	0.4	4.3	3.0
Nev.	11.6	16.2	23.4	27.1
<b>Pacific</b>	<b>16.2</b>	<b>16.2</b>	<b>41.9</b>	<b>45.2</b>
Wash.	6.3	5.7	16.6	13.9
Oreg.	4.1	6.6	11.3	14.3
Calif.	19.6	19.5	51.1	55.5
Alaska	2.5	5.5	11.0	15.4
Hawaii	12.4	11.0	21.0	19.6
Guam	0.0	0.0	0.0	0.0
P.R.	22.1	18.3	57.5	50.8
V.I.	10.0	12.0	20.0	81.0*

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,<sup>1</sup> United States, calendar years 1979 and 1980

Area	Primary/Secondary		All Stages	
	Rate		Rate	
	1980	1979	1980	1979
<b>United States Cities</b>	<b>29.7</b>	<b>28.0</b>	<b>71.4</b>	<b>72.2</b>
<b>New England</b>	<b>29.5</b>	<b>24.6</b>	<b>75.7</b>	<b>65.5</b>
Boston, Mass.	29.5	24.6	75.7	65.5
<b>Mid. Atlantic</b>	<b>26.7</b>	<b>24.8</b>	<b>69.2</b>	<b>70.9</b>
Buffalo, N.Y.	7.9	5.6	20.9	16.9
Jersey City, N.J.	15.8	10.2	85.1	48.7
Newark, N.J.	37.7	37.7	117.6	112.5
New York City, N.Y.	33.3	33.0	82.6	87.5
Philadelphia, Pa.	26.1	18.1	67.3	70.4
Pittsburgh, Pa. <sup>2</sup>	3.0	2.2	16.8	13.1
Rochester, N.Y.	19.0	9.8	43.8	28.2
Yonkers, N.Y.	9.1	5.3	11.8	10.1
<b>E.N. Central</b>	<b>24.4</b>	<b>28.9</b>	<b>77.8</b>	<b>86.5</b>
Akron, Ohio	8.3	4.1	25.6	18.4
Chicago, Ill.	40.8	48.9	126.6	150.0
Cincinnati, Ohio	20.9	16.9	52.8	37.8
Cleveland, Ohio	16.6	24.4	59.3	53.0
Columbus, Ohio	13.7	30.6	46.8	67.4
Dayton, Ohio	6.8	23.6	61.3	70.8
Detroit, Mich.	17.9	18.1	55.9	55.7
Indianapolis, Ind. <sup>2</sup>	15.2	15.4	49.7	57.5
Milwaukee, Wis.	12.5	8.5	44.8	38.6
Toledo, Ohio	5.9	4.7	20.2	12.9
<b>W.N. Central</b>	<b>7.8</b>	<b>6.3</b>	<b>33.2</b>	<b>27.2</b>
Des Moines, Iowa	5.0	2.3	16.2	16.0
Kansas City, Mo.	18.2	16.4	84.4	66.9
Minneapolis, Minn. <sup>2</sup>	9.4	6.0	17.6	15.6
Omaha, Nebr. <sup>2</sup>	1.2	0.7	6.0	5.0
St. Louis, Mo.	8.6	6.8	58.6	48.7
St. Paul, Minn.	5.8	4.2	18.8	6.8
Wichita, Kans. <sup>2</sup>	1.1	5.1	30.0	26.3
<b>S. Atlantic</b>	<b>44.6</b>	<b>45.7</b>	<b>95.8</b>	<b>104.3</b>
Atlanta, Ga. <sup>2</sup>	138.9	129.9	244.5	239.8
Baltimore, Md.	24.8	23.5	66.3	103.1
Charlotte, N.C.	17.6	9.5	39.6	26.0
Jacksonville, Fla.	13.5	17.3	32.8	41.3
Miami, Fla. <sup>2</sup>	39.9	48.9	74.7	95.3
Norfolk, Va.	43.5	44.0	85.9	84.5
Richmond, Va.	38.6	38.8	104.7	119.6
St. Petersburg, Fla. <sup>2</sup>	15.3	8.3	34.8	24.2
Tampa, Fla. <sup>2</sup>	37.2	53.9	64.3	82.5
Washington, D.C.	77.3	69.9	229.6	209.7
<b>E.S. Central</b>	<b>36.2</b>	<b>28.2</b>	<b>66.1</b>	<b>52.2</b>
Birmingham, Ala. <sup>2</sup>	7.1	3.5	14.2	6.8
Louisville, Ky. <sup>2</sup>	12.4	16.4	36.7	42.3
Memphis, Tenn. <sup>2</sup>	87.1	57.8	146.6	97.1
Nashville, Tenn. <sup>2</sup>	28.0	31.8	50.0	56.8
<b>W.S. Central</b>	<b>45.7</b>	<b>38.7</b>	<b>82.0</b>	<b>72.1</b>
Austin, Tex. <sup>2</sup>	35.5	28.8	79.2	63.3
Corpus Christi, Tex. <sup>2</sup>	31.1	19.1	50.6	44.8
Dallas, Tex. <sup>2</sup>	63.2	45.5	109.8	81.6
El Paso, Tex. <sup>2</sup>	21.0	23.8	58.1	62.3
Fort Worth, Tex. <sup>2</sup>	27.7	20.9	49.4	40.4
Houston, Tex. <sup>2</sup>	59.0	59.7	95.0	99.5
New Orleans, La.	95.6	67.5	174.5	125.1
Oklahoma City, Okla.	14.8	12.0	39.7	34.5
San Antonio, Tex. <sup>2</sup>	19.9	15.4	41.2	36.4
Tulsa, Okla.	2.8	4.2	18.3	22.0
<b>Mountain</b>	<b>12.2</b>	<b>9.0</b>	<b>26.0</b>	<b>23.6</b>
Albuquerque, N.M. <sup>2</sup>	11.3	9.8	25.7	21.3
Denver, Colo.	25.8	15.6	53.9	37.4
Phoenix, Ariz. <sup>2</sup>	8.0	8.1	17.3	23.4
Tucson, Ariz. <sup>2</sup>	11.1	3.8	22.1	11.4
<b>Pacific</b>	<b>26.5</b>	<b>25.3</b>	<b>71.5</b>	<b>74.5</b>
Honolulu, Hawaii	25.5	20.7	40.6	36.7
Los Angeles, Calif. <sup>2</sup>	28.6	27.7	96.5	105.4
Oakland, Calif. <sup>2</sup>	16.9	17.6	33.4	36.2
Portland, Oreg. <sup>2</sup>	11.4	19.2	29.8	40.0
Sacramento, Calif. <sup>2</sup>	8.7	7.4	14.9	12.6
San Diego, Calif. <sup>2</sup>	12.3	11.4	23.3	27.0
San Francisco, Calif.	153.2	130.0	279.9	247.9
San Jose, Calif. <sup>2</sup>	8.0	10.7	23.5	19.2
Seattle, Wash. <sup>2</sup>	14.1	11.9	31.2	23.2
<b>San Juan, P.R.<sup>2</sup></b>	<b>64.7</b>	<b>56.4</b>	<b>179.7</b>	<b>171.5</b>

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

# SYPHILIS

## SYPHILIS — Reported cases in civilians and cases per 100,000 population by age and sex, United States, 1979 and 1980

### Primary and Secondary

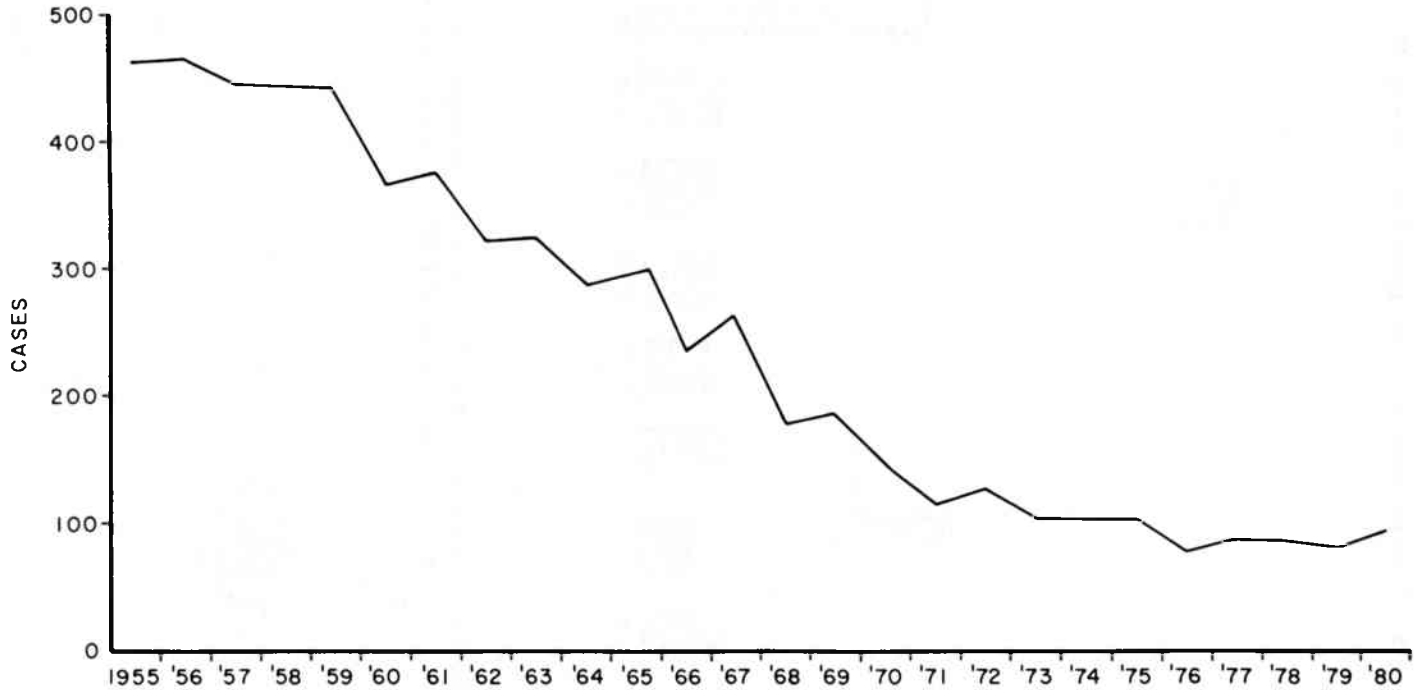
Age Group	Male				Female				Total			
	1980		1979		1980		1979		1980		1979	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
0-14	55	0.2	39	0.2	129	0.5	115	0.5	184	0.4	154	0.3
15-19	2,014	18.7	1,866	18.0	1,562	15.0	1,478	14.4	3,576	16.9	3,344	16.2
20-24	5,605	52.6	5,242	54.1	2,027	19.0	1,777	17.4	7,632	35.8	7,019	35.3
25-29	5,136	52.9	4,651	52.8	1,218	12.4	1,043	11.3	6,354	32.6	5,694	31.6
30-39	5,286	34.0	4,863	33.7	1,056	6.6	892	5.8	6,342	20.1	5,755	19.3
40-49	1,918	17.3	1,771	16.1	319	2.7	273	2.3	2,237	9.8	2,044	9.0
50+	753	2.9	751	2.9	126	0.4	113	0.4	879	1.5	864	1.5
Total	20,767	18.9	19,183	18.2	6,437	5.5	5,691	5.0	27,204	12.0	24,874	11.4

### Congenital

Age Group	Number of Cases		Percent of Total	
	1980	1979	1980	1979
<1	114	131	41.2	39.5
1-4	25	26	9.0	7.8
5-9	8	5	2.9	1.5
10+	130	170	46.9	51.2
Total	277	332	100.0	100.0

The 277 congenital syphilis cases reported for 1980 is a 16.6% decrease from the number reported for 1979. The percentage of congenital syphilis cases reported in infants <1 year old continued to increase (from 39.5% to 41.2%), probably caused by intensified surveillance efforts such as prenatal testing and follow-up procedures.

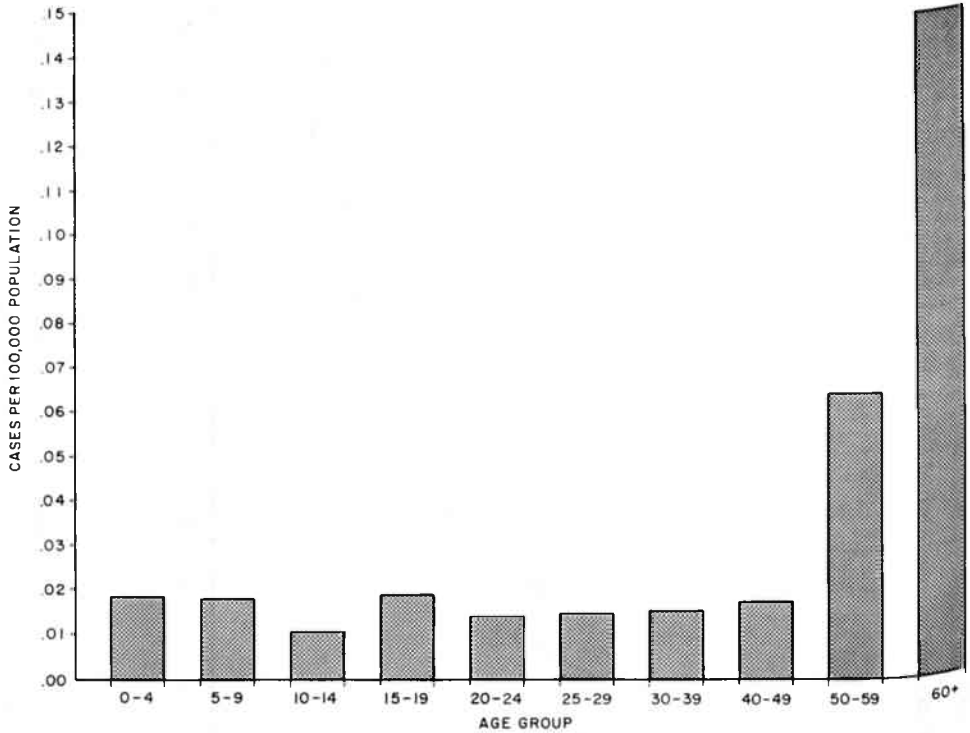
## TETANUS — Reported cases by year, United States, 1955-1980



After continuously decreasing from 1955 through 1976, the number of reported cases of tetanus has remained stable. This is most likely related to inadequate vaccination levels in a portion of the population.

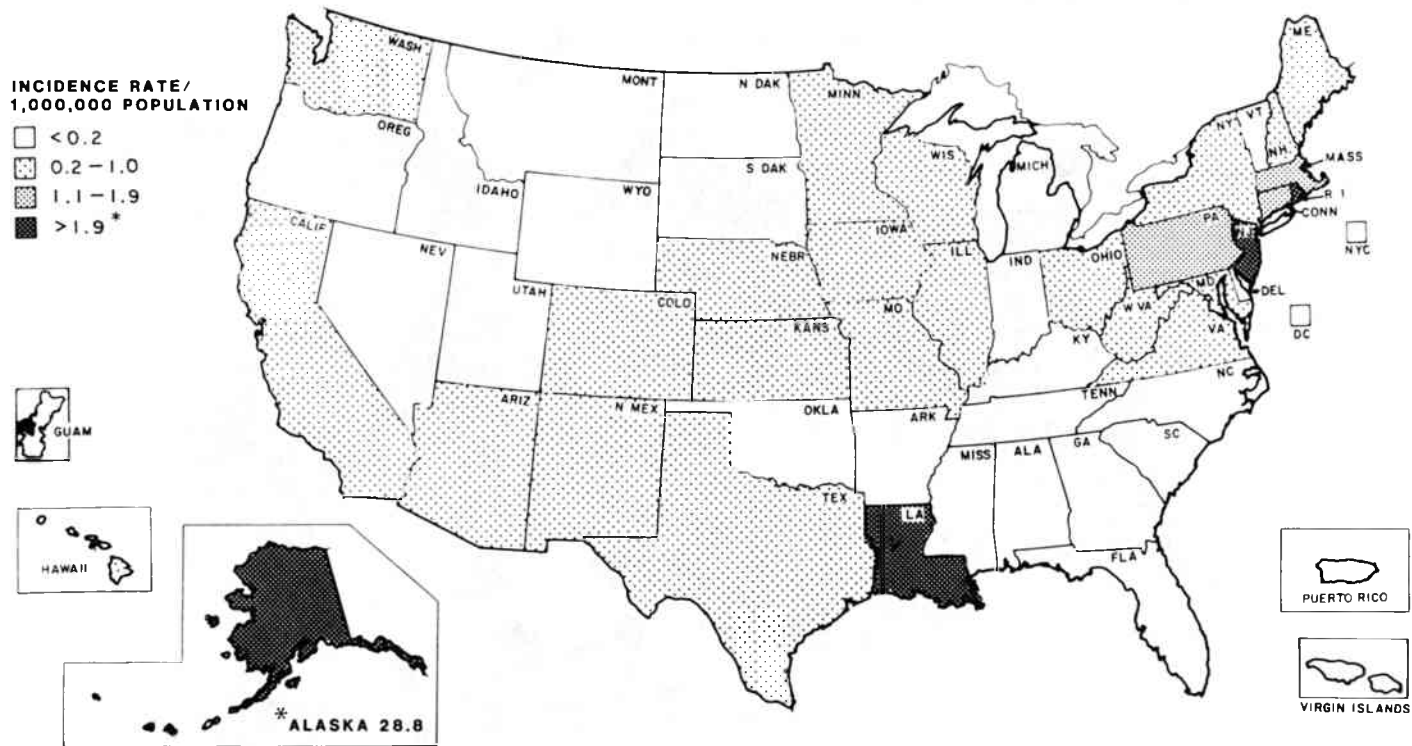
# TETANUS

## TETANUS — Reported case rates by age group, United States, 1980



Persons  $\geq 50$  years of age have the highest incidence rate of tetanus, which might be due to inadequate vaccination coverage against tetanus among persons  $\geq 50$  years of age.

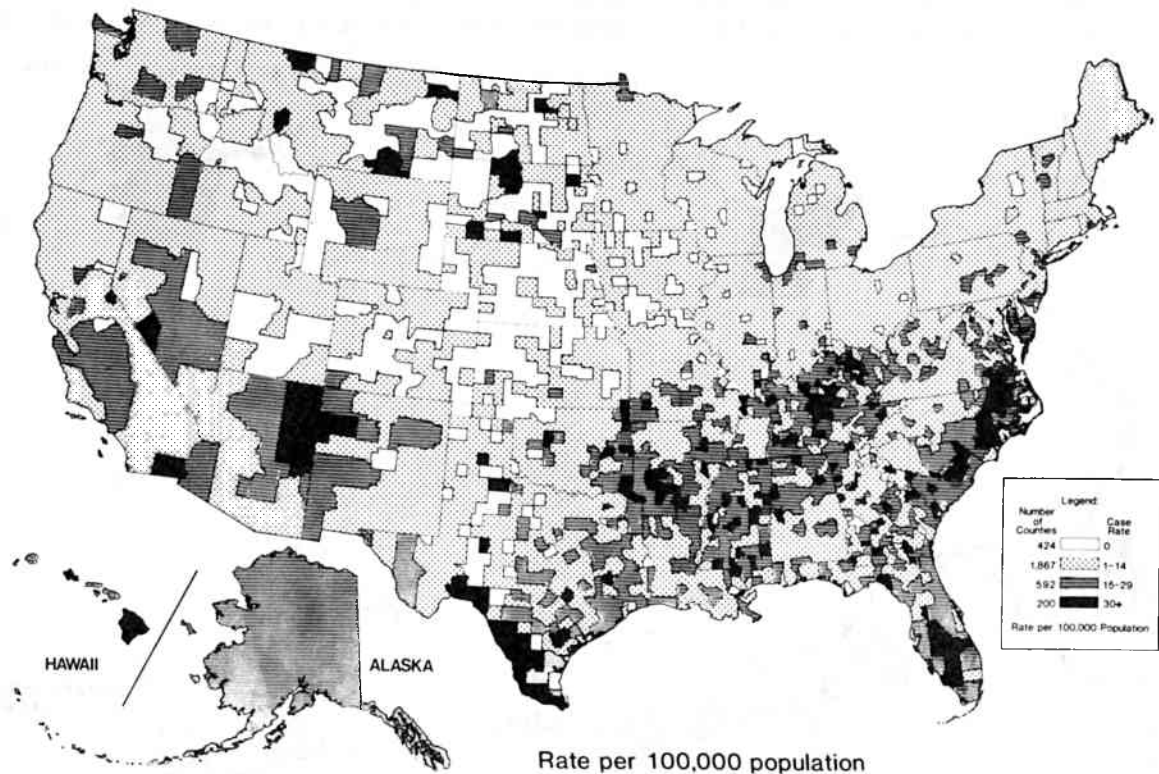




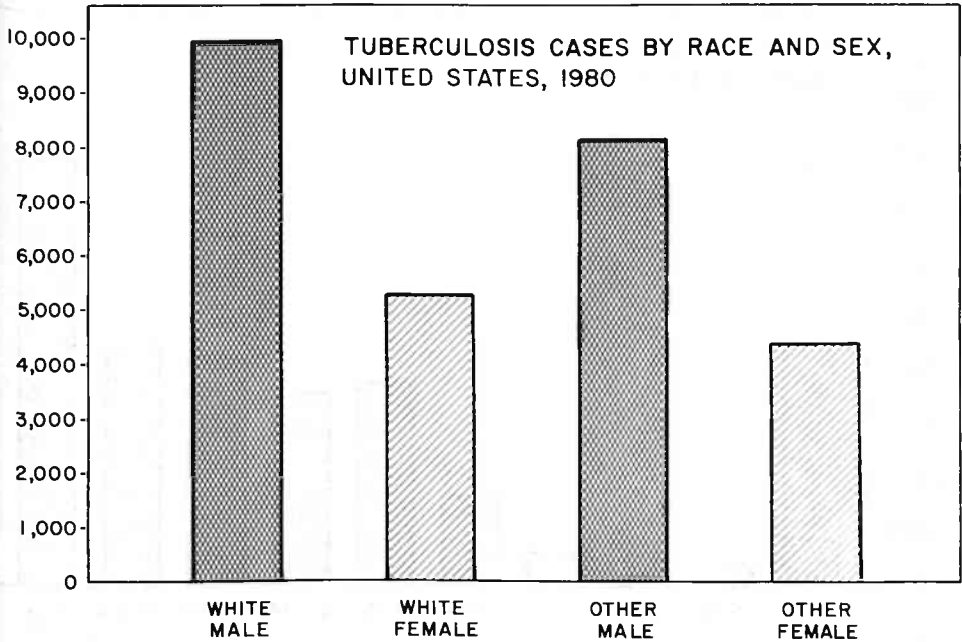
The highest incidence rates for trichinosis were observed for Alaska, New Jersey, Rhode Island, and Louisiana. A moderately high mean incidence was observed for Connecticut, Massachusetts, and Pennsylvania. In 16 states, no cases were reported for the past 5 years.

In 1980, 18 common-source outbreaks involving at least 2 cases each, accounted for 58.4% of all cases. The majority of infections were acquired from pork products purchased from commercial sources; however, 12 cases were acquired from the meat of wild animals.

**TUBERCULOSIS — Reported average cases per 100,000 population by county,  
United States, 1977-1979**



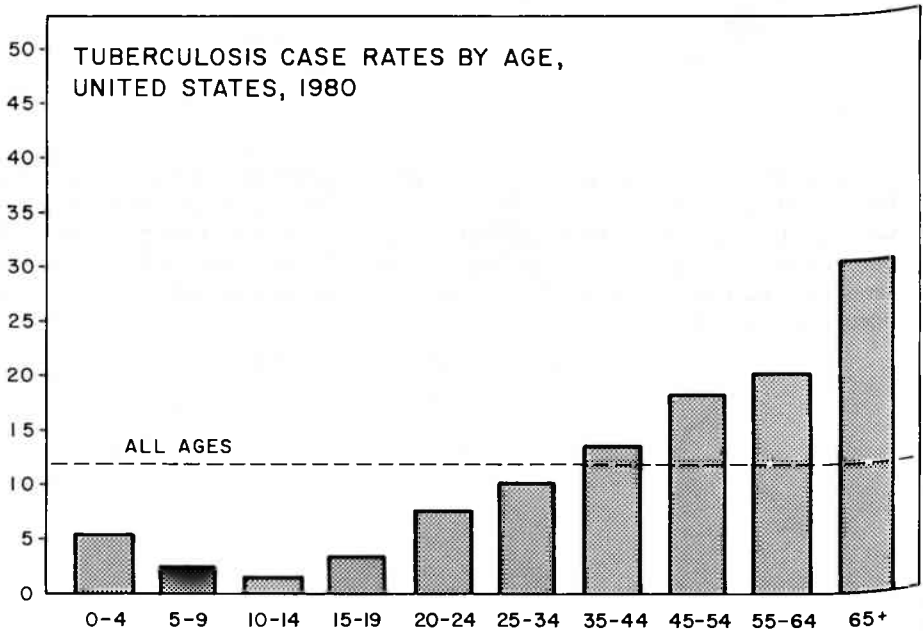
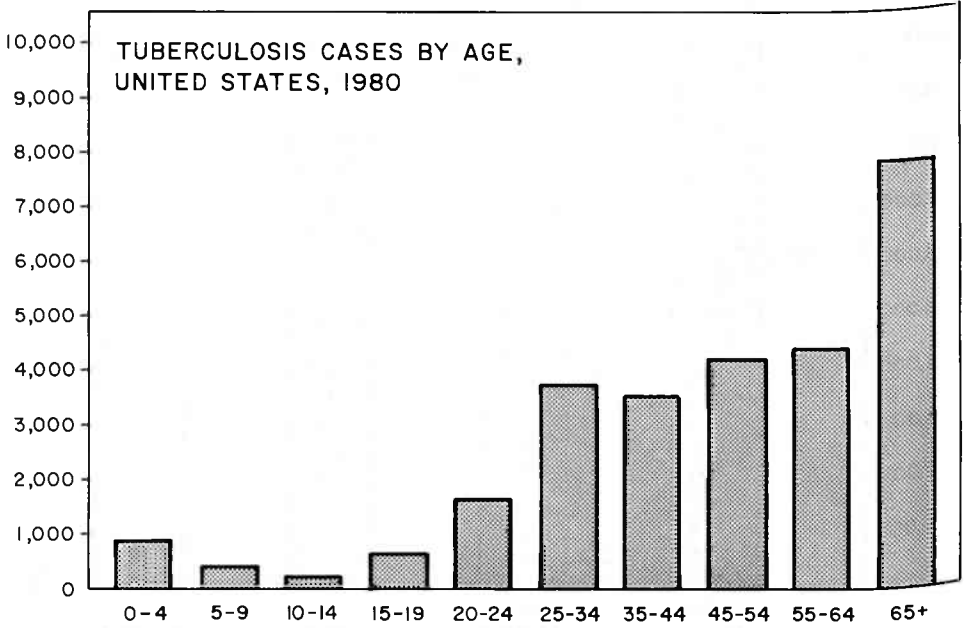
## TUBERCULOSIS — Reported cases by race and sex, United States, 1980



For 1980, 27,749 cases of tuberculosis were reported to CDC, an increase of 0.3% from 1979. It is only the second time since 1953, the year in which all states began using standardized formats to report tuberculosis morbidity, that the number of reported cases increased. (This does not include 1975 when the criteria for counting cases changed.) Indochinese refugees accounted for approximately 7.8% of the reported cases for 1980.

# TUBERCULOSIS

TUBERCULOSIS — Reported cases and cases per 100,000 population by age group, United States, 1980

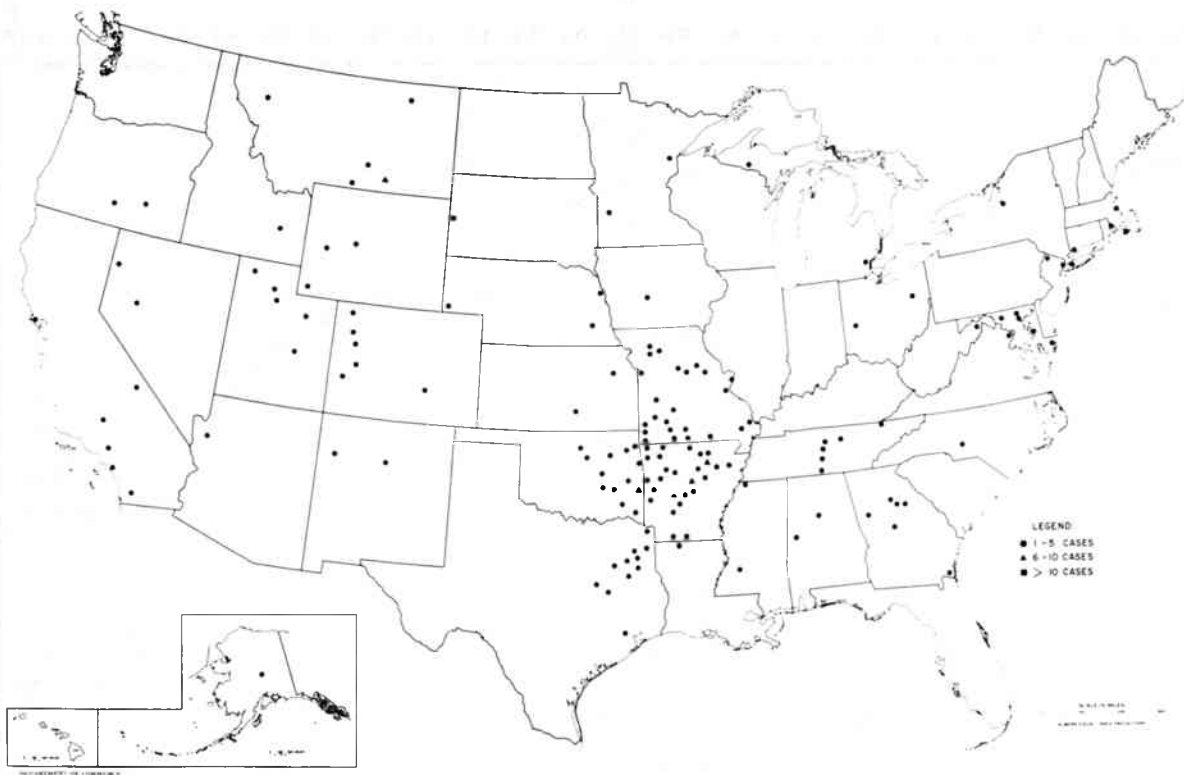


## TULAREMIA — Reported case rates by year, United States, 1955-1980

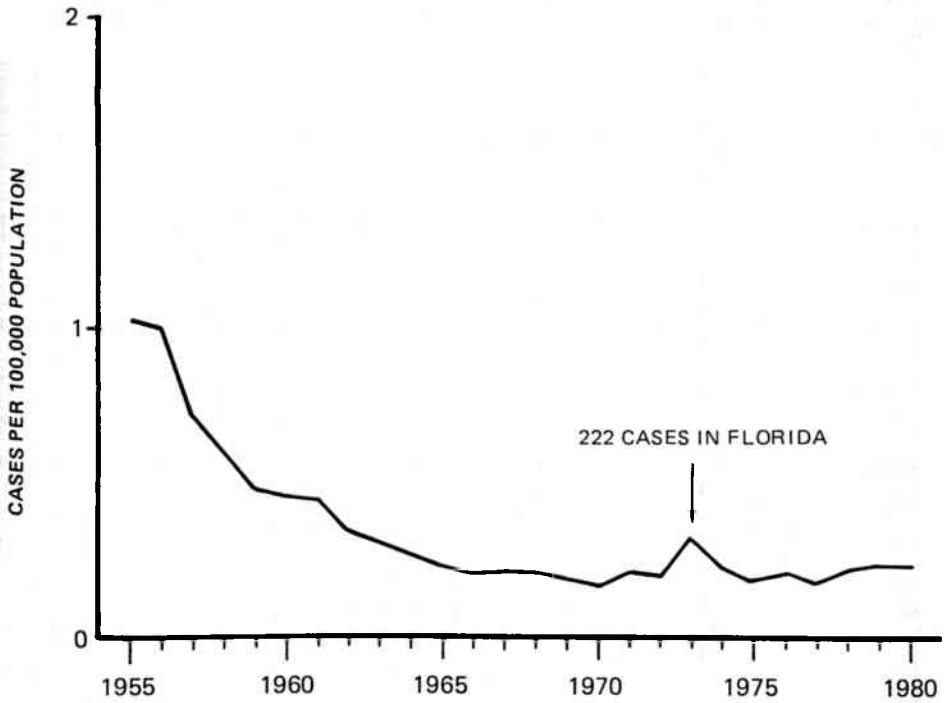


Since reaching its nadir in 1975, the incidence rate of reported cases of tularemia has nearly doubled. Arkansas continues to report more cases than any other state.

## TULAREMIA – Reported cases by county, United States, 1980



TYPHOID FEVER – Reported case rates by year, United States, 1955-1980



The number of typhoid cases has remained relatively constant since 1970. About one-half of the cases reported in the United States are acquired during foreign travel. The source of domestically acquired typhoid is usually a chronic carrier of *Salmonella typhi*, but some infections are acquired in laboratories.

# TYPHOID FEVER

TYPHOID FEVER — Reported cases by state and by age, United States, 1980

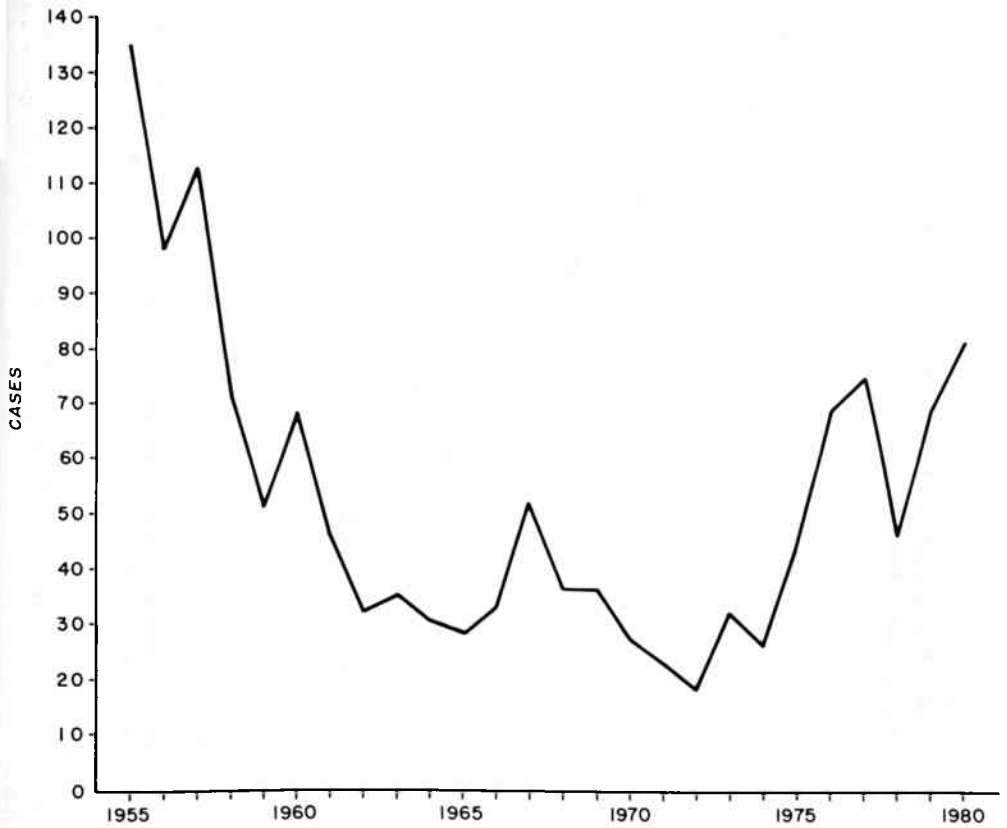
Area	Total	Under 1	1-4	5-9	10-14	15-19	20-24	25-29	30-39	40-49	50-59	60+	Unk.
<b>United States</b>	<b>510</b>	<b>9<sup>1</sup></b>	<b>50<sup>1</sup></b>	<b>60</b>	<b>64</b>	<b>56</b>	<b>64<sup>1</sup></b>	<b>57<sup>1</sup></b>	<b>49</b>	<b>29</b>	<b>25</b>	<b>37</b>	<b>7</b>
<b>New England</b>	<b>15</b>	—	—	2	1	3	—	—	1	2	1	5	—
Maine	1	—	—	—	—	1	—	—	—	—	—	—	—
N.H.	—	—	—	—	—	—	—	—	—	—	—	—	—
Vt.	—	—	—	—	—	—	—	—	—	—	—	—	—
Mass.	9	—	—	2	1	—	—	—	1	1	—	4	—
R.I.	1	—	—	—	—	—	—	—	—	—	—	1	—
Conn.	4	—	—	—	—	2	—	—	—	1	1	—	—
<b>Mid. Atlantic</b>	<b>97</b>	<b>2</b>	<b>6</b>	<b>14</b>	<b>5</b>	<b>14</b>	<b>13</b>	<b>15</b>	<b>11</b>	<b>6</b>	<b>5</b>	<b>6</b>	<b>—</b>
N.Y. (excl. NYC)	16	—	2	2	4	4	1	2	1	2	—	2	—
N.Y.C.	42	2	3	1	—	6	6	8	8	3	1	4	—
N.J.	26	—	2	9	3	2	2	3	2	—	3	—	—
Pa.	13	—	1	2	—	2	4	2	—	1	1	—	—
<b>E.N. Central</b>	<b>60</b>	<b>1</b>	<b>9</b>	<b>12</b>	<b>7</b>	<b>1</b>	<b>6</b>	<b>11</b>	<b>1</b>	<b>6</b>	<b>1</b>	<b>4</b>	<b>1</b>
Ohio	10	—	1	2	1	—	1	1	—	1	—	2	1
Ind.	—	—	—	—	—	—	—	—	—	—	—	—	—
Ill.	31	1	4	5	4	—	4	6	1	5	—	1	—
Mich.	12	—	3	3	2	—	—	3	—	—	—	1	—
Wis.	7	—	1	2	—	1	1	1	—	—	1	—	—
<b>W.N. Central</b>	<b>31</b>	<b>1</b>	<b>5</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>4</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>6</b>	<b>2</b>
Minn.	5	—	1	1	—	—	—	1	—	1	1	—	—
Iowa	2	—	1	—	1	—	—	—	—	—	—	—	—
Mo.	20	1	1	—	1	2	1	2	2	1	1	6	2
N. Dak.	1	—	1	—	—	—	—	—	—	—	—	—	—
S. Dak.	1	—	—	—	—	—	—	—	—	—	1	—	—
Nebr.	1	—	—	—	—	—	—	1	—	—	—	—	—
Kans.	1	—	1	—	—	—	—	—	—	—	—	—	—
<b>S. Atlantic</b>	<b>48</b>	—	<b>2</b>	<b>7</b>	<b>3</b>	<b>3</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>3</b>	<b>3</b>	<b>8</b>	<b>1</b>
Del.	1	—	—	—	—	—	1	—	—	—	—	—	—
Md.	4	—	—	1	—	—	2	1	—	—	—	—	—
D.C.	4	—	—	—	1	—	—	—	—	1	—	—	—
Va.	9	—	—	2	1	—	—	2	2	—	—	2	1
W. Va.	5	—	—	—	—	—	—	—	1	—	1	2	—
N.C.	5	—	1	1	—	1	—	2	—	—	—	—	—
S.C.	3	—	1	—	—	—	—	—	—	—	1	1	—
Ga.	1	—	—	—	1	—	—	—	—	—	—	1	—
Fla.	16	—	—	3	—	2	3	1	3	2	1	1	—
<b>E.S. Central</b>	<b>14</b>	—	<b>4</b>	<b>2</b>	<b>1</b>	<b>2</b>	—	—	—	<b>1</b>	<b>2</b>	<b>2</b>	<b>—</b>
Ky.	3	—	—	—	—	1	—	—	—	—	—	2	—
Tenn.	1	—	—	—	1	—	—	—	—	—	—	—	—
Ala.	4	—	1	1	—	1	—	—	—	—	1	—	—
Miss.	6	—	3	1	—	—	—	—	—	1	1	—	—
<b>W.S. Central</b>	<b>79</b>	<b>1</b>	<b>5</b>	<b>5</b>	<b>22</b>	<b>15</b>	<b>11</b>	<b>5</b>	<b>8</b>	<b>2</b>	<b>4</b>	<b>1</b>	<b>—</b>
Ark.	5	—	—	1	1	1	—	—	1	—	1	—	—
La.	2	—	1	—	—	1	—	—	—	—	—	—	—
Okla.	5	—	—	—	—	1	2	—	—	—	—	—	—
Texas	67	1	4	4	21	12	9	3	7	2	3	1	—
<b>Mountain</b>	<b>24</b>	<b>2<sup>1</sup></b>	<b>3<sup>1</sup></b>	<b>2</b>	<b>2</b>	—	<b>2<sup>1</sup></b>	<b>3<sup>1</sup></b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
Mont.	1	—	1	—	—	—	—	—	—	—	—	—	—
Idaho	1	—	—	—	—	—	1	—	—	—	—	—	—
Wyo.	—	—	—	—	—	—	—	—	—	—	—	—	—
Colo.	7	—	1	1	—	—	—	2	3	—	—	—	—
N. Mex.	3	1	—	—	—	—	—	—	—	—	—	1	1
Ariz.	7	(... 1 ...)	—	1	1	—	(... 2 ...)	—	—	1	1	—	—
Utah	5	—	1	—	1	—	1	1	—	—	—	—	—
Ne v.	—	—	—	—	—	—	—	—	—	—	—	—	—
<b>Pacific</b>	<b>142</b>	<b>2</b>	<b>16</b>	<b>15</b>	<b>21</b>	<b>16</b>	<b>25</b>	<b>13</b>	<b>17</b>	<b>6</b>	<b>5</b>	<b>4</b>	<b>2</b>
Wash.	4	—	—	—	—	1	1	—	1	1	—	—	—
Oreg.	9	—	3	3	—	—	1	1	1	—	—	—	—
Calif.	124	2	13	12	19	14	23	11	14	5	5	4	2
Alaska	1	—	—	—	—	1	—	—	—	—	—	—	—
Hawaii	4	—	—	—	2	—	—	1	1	—	—	—	—
Guam	1	—	1	—	—	—	—	—	—	—	—	—	—
P.R.	8	—	—	—	—	2	—	—	3	1	2	—	—
V.I.	—	—	—	—	—	—	—	—	—	—	—	—	—
Pac. Trust Terr.	(... ..)	(... ..)	(... ..)	(... ..)	(... ..)	(... ..)	(... ..)	(... ..)	(... ..)	(... ..)	(... ..)	(... ..)	(... ..)
C.N.M.I.	(... ..)	(... ..)	(... ..)	(... ..)	(... ..)	(... ..)	(... ..)	(... ..)	(... ..)	(... ..)	(... ..)	(... ..)	(... ..)

<sup>1</sup> Does not include cases reported by state of Arizona.



## TYPHUS FEVER

TYPHUS FEVER, FLEA BORNE (Endemic, murine) — Reported cases by year,  
United States, 1955-1980



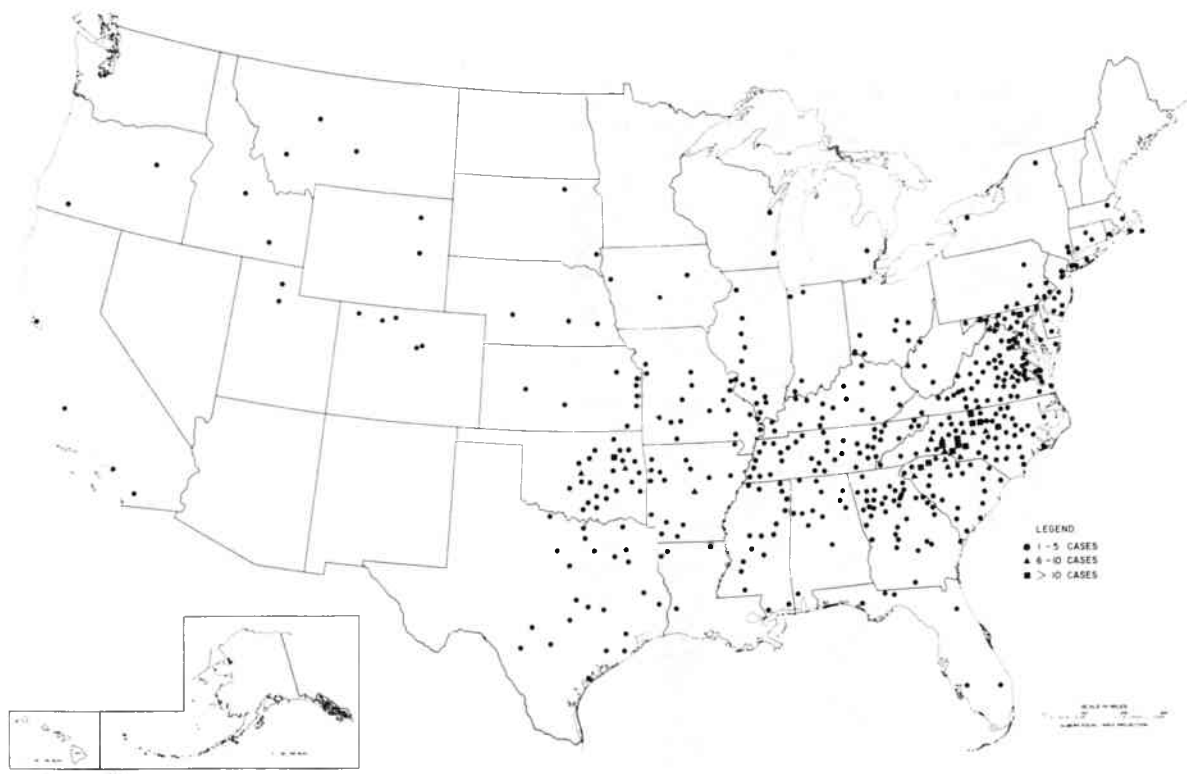
For 1980, 11 states reported a total of 81 cases of typhus fever, with 61 of the cases being reported from Texas.

TYPHUS FEVER, TICK-BORNE (Rocky Mountain spotted fever) — Reported case rates by year, United States, 1955-1980



A record total of 1,163 cases of Rocky Mountain spotted fever was reported to CDC for 1980. The incidence rate, however, was slightly lower than for 1977 (0.52 vs. 0.53 per 100,000 population). Age, sex, race, and time of onset of illness were unchanged from previous years.

**TYPHUS FEVER, TICK-BORNE (Rocky Mountain spotted fever) – Reported cases by county, United States, 1980**





# **PART 3:**

**Surveillance Summaries  
for Non-notifiable  
Conditions and Subjects  
of Special Interest**



# NON-NOTIFIABLE CONDITIONS

NON-NOTIFIABLE CONDITIONS — Cases of acute conditions *optionally* reported by certain states, 1980

Area	Giardiasis	Histo- plasmosis	Infectious mono- nucleosis	Meningitis (Bacterial & unspecified)	Reye syndrome <sup>1</sup>	Streptococcal sore throat & scarlet fever	Toxo- plasmosis
<b>No. Cases Reported</b>	<b>11,013</b>	<b>275</b>	<b>14,265</b>	<b>5,841</b>	<b>548<sup>1</sup></b>	<b>370,007</b>	<b>202</b>
<b>No. States Reporting</b>	<b>(44)</b>	<b>(41)</b>	<b>(37)</b>	<b>(46)</b>	<b>(45)</b>	<b>(41)</b>	<b>(41)</b>
<b>New England</b>	<b>314</b>	—	<b>3,133</b>	<b>251</b>	<b>40</b>	<b>59,107</b>	<b>2</b>
Maine	37	NN	NN	29	3	4,717	NN
N. H.	121	NN	15	37	1	NN	2
Vt.	156	—	100	7	3	NN	—
Mass.	NN	NN	NN	NN	25	12,603	NN
R. I.	—	—	47	66	4	9,815	—
Conn.	—	—	2,971	112	4	31,972	NN
<b>Mid. Atlantic</b>	<b>369</b>	<b>5</b>	<b>4,706</b>	<b>850</b>	<b>65</b>	<b>1,760</b>	<b>20</b>
N. Y. (excl. NYC)	NN	5	4,706	333	43 <sup>2</sup>	14	NN
N. Y.C.	—	—	—	178	—	1,746	NA
N. J.	NA	NA	NA	NA	5	NA	NA
Pa.	369	—	—	339	17	NN	20
<b>E. N. Central</b>	<b>863</b>	<b>46</b>	<b>1,507</b>	<b>1,023</b>	<b>195</b>	<b>60,790</b>	<b>12</b>
Ohio	36	6	792	282	113	2,737	12
Ind.	NA	NA	NA	NA	3	NA	NA
Ill.	783	40	—	507	15	18,265	—
Mich.	—	—	—	157	59	24,808	—
Wis.	44	—	715	77	5	14,980	—
<b>W. N. Central</b>	<b>1,538</b>	<b>141</b>	<b>492</b>	<b>535</b>	<b>55</b>	<b>46,081</b>	<b>73</b>
Minn.	980	14	NN	111	21	NN	—
Iowa	47	28	379	128	14	139	—
Mo.	77	97	61	128	4	13,793	61
N. Dak.	NN	NN	NN	NN	NA	4,463	NN
S. Dak.	58	1	52	38	2	2,707	12
Nebr.	42	NN	NN	69	13	17,188	—
Kans.	334	1	—	61	1	7,791	—
<b>S. Atlantic</b>	<b>1,892</b>	<b>14</b>	<b>1,268</b>	<b>1,390</b>	<b>78</b>	<b>63,309</b>	<b>43</b>
Del.	25	—	—	22	NA	1,963	—
Md.	—	—	—	216	8	13,847	—
D. C.	7	—	—	1	1	2	—
Va.	396	7	541	248	21	64	7
W. Va.	3	—	723	29	10	16,874	—
N. C.	—	—	NN	199	11	—	—
S. C.	406	6	4	13	1	3,775	4
Ga.	—	—	—	175	15	1,392	—
Fla.	1,055	1	NA	487	11	25,392	32
<b>E. S. Central</b>	<b>489</b>	<b>32</b>	<b>731</b>	<b>321</b>	<b>16</b>	<b>12,315</b>	<b>22</b>
Ky.	40	8	537	138	11	5,149	—
Tenn.	NN	NN	NN	NN	2	NN	NN
Ala.	—	21	76	150	2	1,730	—
Miss.	449	3	118	33	1	5,436	22
<b>W. S. Central</b>	<b>456</b>	<b>21</b>	<b>11</b>	<b>528</b>	<b>35</b>	<b>32,135</b>	<b>1</b>
Ark.	131	18	4	47	NA	22 <sup>3</sup>	1
La.	NA	—	7	NA	4	NN	—
Okla.	6	3	—	136	6	—	—
Texas	319	NN	NN	345	25	32,113	NN
<b>Mountain</b>	<b>2,020</b>	<b>8</b>	<b>71</b>	<b>405</b>	<b>33</b>	<b>83,855</b>	<b>3</b>
Mont.	434	—	NN	20	1	NN	—
Idaho	97	—	NN	38	NA	NN	—
Wyo.	3	—	—	11	2	24,940	—
Colo.	619	NN	NN	103	16	55,734	2
N. Mex.	—	—	—	59	2	682	—
Ariz.	207	8	—	64	6	220	—
Utah	659	—	71	80	5	2,256	1
Nev.	1	—	—	30	1	23	—
<b>Pacific</b>	<b>3,072</b>	<b>8</b>	<b>2,346</b>	<b>538</b>	<b>29</b>	<b>10,655</b>	<b>26</b>
Wash.	840	NA	NA	177	1	NA	NA
Oreg.	254	NN	2,211	112	1	5,553	—
Calif.	1,916	8	86	151	27	—	26
Alaska	62	—	—	49	NA	—	—
Hawaii	NN	—	49	49	NA	5,102	—
Guam	8	—	5	12	—	869	—
P. R.	NN	3	23	250	—	8	1
V. I.	NA	NA	NA	NA	—	NA	NA
Pac. Trust Terr.	NN	—	—	15	—	188	—
CNMI	—	—	—	3	—	1	—

<sup>1</sup> Source: Viral Diseases Division, Center for Infectious Diseases. Total includes 2 unknown.

<sup>2</sup> Includes New York City.

<sup>3</sup> Includes scarlet fever only.

# NON-NOTIFIABLE CONDITIONS

## NON-NOTIFIABLE CONDITIONS — Cases of acute conditions *optionally* reported by certain states, 1980 — Continued

<i>Fungal Diseases</i>	
Actinomycosis	Ala. 1; Mo. 4; Pa. 1
Blastomycosis	Ariz. 2; Ark. 16; Calif. 4; Iowa 4; Ky. 2; La. 1; Minn. 4; Miss. 7; Mo. 23; N.C. 4; Ohio 2; Okla. 1; S.C. 2; Va. 1; Wis. 2
Coccidioidomycosis	Ariz. 198; Ark. 1; Idaho. 3; Ill. 1; Minn. 4; Mont. 1; Nev. 2; Ohio 1; S.C. 2; Utah 3; Va. 1; Wis. 1
Cryptococcosis	Ark. 2; Fla. 6; Idaho 1; Ill. 4; Iowa 2; Ky. 5; La. 1; Md. 3; Minn. 3; Miss. 3; Mo. 6; Mont. 1; N.H. 1; Ohio 1; Pa. 7; S.C. 20; Va. 9; Guam 1.
Nocardiosis	Ky. 1; Minn. 3; Mo. 5; Va. 4
<i>Rickettsial Diseases</i>	
Q fever	Ariz. 2; Calif. 13; Colo. 75; Conn. 1; Idaho 1; Mo. 2; N. Mex. 1; Ohio 1; Tex. 2; Va. 1; Wash. 1
<i>Viral Diseases</i>	
Colorado tick fever	Calif. 6; Colo. 139; Idaho 1; Ohio 1; Oreg. 5; S. Dak. 4; Utah 43; Wyo. 7
Trachoma	Calif. 8; Ky. 1; La. 1

Conditions included in this table are not officially notifiable to the Centers 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, 1970–1979**  
(Numbers after cause of death are category numbers of the Ninth Revision of the International Classification of Diseases, 1975)

Cause of Death	ICD	1979*	1978	1977	1976	1975	1974	1973	1972**	1971	1970
Abortion											
Septic	634.0-635.0-636.0	NA	10	4	10	15	14	24	46	64	94
Non-septic	634.1-634.9-635.1-635.9, 636.1-636.9-637.1-637.9 638.1-638.9	NA	6	16	6	12	13	12	24	35	42
Alcoholism and alcoholic psychoses	291.303	NA	5,662	5,418	5,193	5,253	5,379	5,167	4,908	4,999	4,923
Cirrhosis of liver, alcoholic	571.0-571.3	NA	12,828	13,029	13,289	12,932	13,151	12,624	12,576	11,892	11,207
Diabetes mellitus	250	33,060	33,841	32,989	34,508	35,230	37,329	38,208	38,674	38,256	38,324
Fungal infections											
Actinomycosis	039	NA	15	12	11	9	9	8	10	12	18
Aspergillosis	117.3	NA	98	112	66	63	50	55	42	32	38
Blastomycosis	116.0-116.1	NA	2	2	2	2	1	—	—	3	3
Coccidioidomycosis	114	NA	78	58	66	60	61	37	30	37	42
Cryptococcosis	117.5	NA	146	134	123	131	122	125	136	119	112
Histoplasmosis	115	NA	56	55	49	59	58	53	62	55	56
Moniliasis (Candidiasis)	112	NA	240	237	244	215	190	173	138	159	153
Giardiasis	007.1	NA	—	—	1	—	1	—	—	1	—
Herpes zoster	053	NA	133	136	113	132	112	95	86	75	79
Hydatid disease (Echinococcosis)	122	NA	3	2	4	3	5	4	4	7	3
Meningitis, excluding meningococcal and tuberculous	320-322	1,490	1,560	1,526	1,589	1,630	1,539	1,523	1,482	1,553	1,701
Mononucleosis, infectious	075	NA	17	13	18	11	24	25	18	22	19
Renal disease	403.580-89.590-593	NA	23,663	23,744	24,096	23,634	24,769	25,875	26,934	27,023	28,103
Respiratory infections											
Bronchitis, acute	466	470	756	697	854	737	750	905	1,146	1,154	1,310
Influenza	487	590	4,052	1,304	7,877	4,277	2,201	5,131	4,986	1,504	3,707
Pneumonia (primary cause of death)	480-486	43,520	54,267	49,889	53,989	51,387	52,576	57,428	57,594	55,690	59,032
Upper respiratory infections, acute	460-465	NA	321	368	384	342	377	453	504	522	574
Rheumatoid arthritis, rheumatism unsp. and fibrositis	714.729.0	NA	1,308	1,396	1,343	1,311	1,356	1,402	1,292	1,304	1,291
Sepsis of childbirth	646.6-670	NA	13	13	16	11	17	9	38	30	18
Streptococcal sore throat and scarlet fever	034	NA	5	14	14	15	22	20	16	23	29
Toxoplasmosis	130	NA	13	19	13	11	13	13	14	21	21

\*Provisional data.

\*\*Based on 50% sample of death records.

Source: National Center for Health Statistics, *Vital Statistics of the United States, Vol. II, for 1970-1978; Monthly Vital Statistics Report, Provisional Statistics, Annual Summary for the United States, for 1979.*

Deaths are classified according to the Eighth Revision for 1970-1978 and according to the Ninth Revision for 1979.

NON-NOTIFIABLE CONDITIONS

Death rates for the 5 leading causes of death: United States, 1969, 1978, and 1979

Rank	Cause of death	1979 <sup>1</sup>	Percent of total deaths	1978	Percent of total deaths	1969	Percent of total deaths
1	Diseases of heart	331.3	38.3	334.3	37.8	366.1	38.5
2	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues	183.5	21.2	181.9	20.6	160.0	16.8
3	Cerebrovascular diseases	76.9	8.9	80.5	9.1	102.6	10.8
4	Accidents	47.9	5.5	48.4	5.5	57.6	6.1
5	Chronic obstructive pulmonary diseases and allied conditions	22.7	2.6	26.7 <sup>2</sup>	3.0 <sup>2</sup>	33.9 <sup>2</sup>	3.6 <sup>2</sup>

<sup>1</sup> Provisional data.

<sup>2</sup> In 1978 and 1969, pneumonia and influenza ranked as the 5th leading cause of death. The data listed for these two years are rates and percentages for pneumonia and influenza.

Source: National Center for Health Statistics, *Vital Statistics of the United States, Vol. II*, for 1969 and 1978; *Monthly Vital Statistics Report, Provisional Statistics, Annual Summary for the United States*, for 1979.

ABORTION — Reported number of legal abortions by state of occurrence and provisional abortion ratios, 1979

State	Abortions <sup>1</sup>	Ratio <sup>2</sup>
Ala.	15,300 <sup>3</sup>	252
Alaska	2,600 <sup>4</sup>	292
Ariz.	7,811	171
Ark.	6,059	173
Calif.	187,312	515
Colo.	16,476 <sup>5</sup>	345
Conn.	14,214	385
Del.	3,636	399
D.C.	28,694	(*)
Fla.	56,152	465
Ga.	36,588	409
Hawaii	6,125	351
Idaho	2,446	124
Ill.	68,187 <sup>5</sup>	376
Ind.	14,658	168
Iowa	5,247 <sup>3</sup>	111
Kans.	12,335 <sup>5</sup>	332
Ky.	11,340	188
La.	13,512	170
Maine	3,963	252
Md.	25,526	510
Mass.	44,044	602
Mich.	44,542 <sup>3</sup>	313
Minn.	18,672	288
Miss.	4,411	96
Mo.	17,289 <sup>5</sup>	220
Mont.	3,447 <sup>5</sup>	250
Nebr.	4,608 <sup>5</sup>	177
Nev.	6,374	539
N.H.	3,116 <sup>3</sup>	243
N.J.	24,714	269
N. Mex.	5,193	203
N.Y.	154,183	665
(City)	(103,814) <sup>5</sup>	(976)
(Excl. NYC)	(50,369) <sup>5</sup>	(402)
N.C.	29,479	349
N. Dak.	2,150 <sup>6</sup>	168
Ohio	41,851	255
Okla.	10,710	227
Oreg.	14,501 <sup>5</sup>	337
Pa.	64,147	407
R.I.	5,389 <sup>5</sup>	440
S.C.	10,976 <sup>5</sup>	220
S. Dak.	1,398	111
Tenn.	23,400 <sup>5</sup>	324
Texas	76,996	290
Utah	3,697 <sup>5</sup>	87
Vt.	2,925 <sup>5</sup>	395
Va.	31,414 <sup>5</sup>	426
Wash.	29,710	539
W. Va.	2,954 <sup>3</sup>	98
Wis.	17,764 <sup>6</sup>	244
Wyo.	752	84
<b>Total</b>	<b>1,238,987</b>	<b>358</b>

<sup>1</sup> 1979 abortion data from central health agencies unless otherwise noted.

<sup>2</sup> Abortions per 1,000 live births (provisional live birth data from National Center for Health Statistics, Monthly Vital Statistics Report, Vol. 29, No. 12, March 18, 1981).

<sup>3</sup> Reported from hospitals and/or facilities in state.

<sup>4</sup> 1978 abortion data from the Alan Guttmacher Institute.

<sup>5</sup> Data from Vital Statistics Division, National Center for Health Statistics.

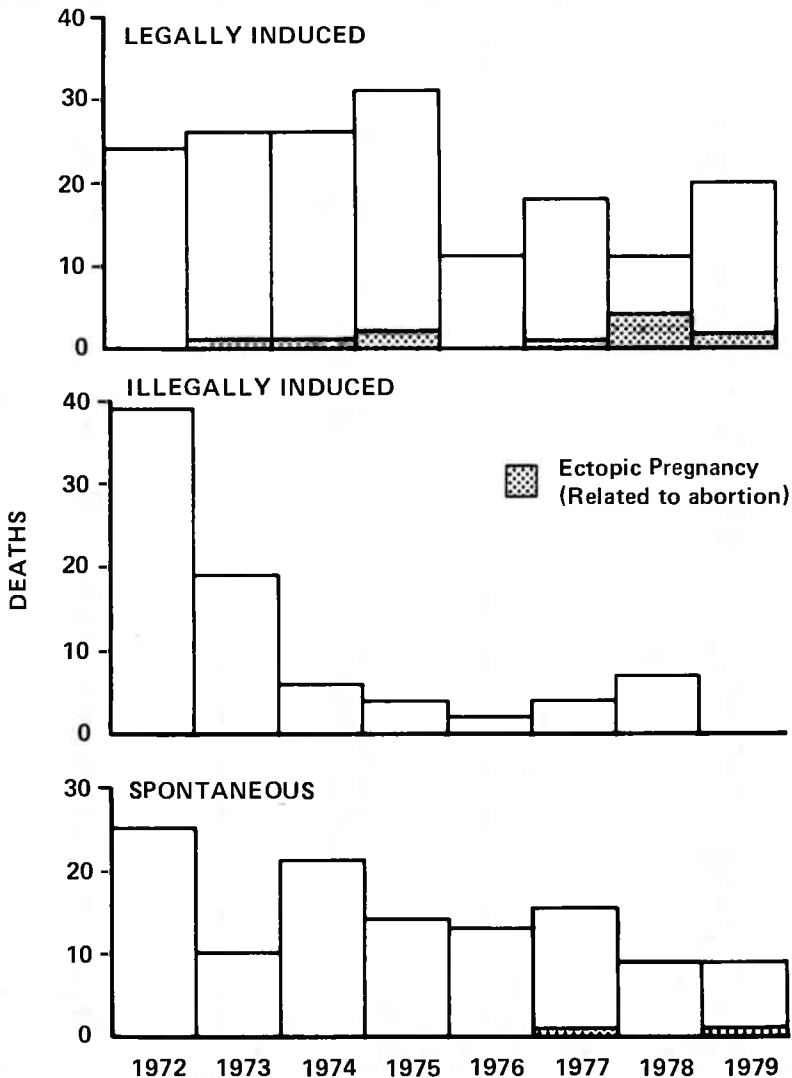
<sup>6</sup> 1978 abortion data from central health agency.

\*Greater than 1,000 abortions per 1,000 live births.

In 1979, the 50 states and District of Columbia reported a provisional total of 1,238,987 abortions to CDC, a 7% increase over 1978. The national abortion ratio increased by 3%, from 347 to 358 per 1,000 live births, or more than 1 abortion for every 3 live births.

# ABORTION

ABORTION – Abortion-related deaths by category\* and year\*\*, United States, 1972-1979



\*Excludes unknown category.

\*\*1979 data are provisional.

In 1979, 20 women died after legally induced abortions, an increase from the 11 deaths in 1978. No women were reported to have died after illegally induced abortions; 7 died in 1978. The number of women who died after spontaneous abortion was the same in 1979 as it had been in 1978. Between 1972 and 1979, 13 women died from ectopic pregnancy (2 after diagnoses of spontaneous abortions and 11 after attempted legally induced abortions).

## CONGENITAL MALFORMATIONS

**CONGENITAL MALFORMATIONS – Number of monitored total births by U.S. Census Region  
(including Puerto Rico), 1975-1979, Birth Defects Monitoring Program<sup>1</sup>**

Census Region	1979	1978	1977	1976	1975
Northeast	174,435	179,414	207,049	209,277	226,226
North Central	405,577	369,350	406,662	385,877	396,504
South <sup>2</sup>	263,360	244,515	274,169	265,680	262,477
West	186,898	180,872	189,210	188,964	183,039
<b>Total, United States<sup>2</sup></b>	<b>1,030,270</b>	<b>974,151</b>	<b>1,077,090</b>	<b>1,049,798</b>	<b>1,068,246</b>

<sup>1</sup> Discharge data reported by 1200 participating hospitals through the Commission on Professional and Hospital Activities, Ann Arbor, Michigan.

<sup>2</sup> Includes Puerto Rico.

The birth defects data in the table were selected from those collected through the Birth Defects Monitoring Program (BDMP). The BDMP is conducted by CDC's Birth Defects Branch with data provided under contract by the Commission on Professional and Hospital Activities (CPHA) in Ann Arbor, Michigan. BDMP's primary purpose is to monitor the incidence rates of birth defects and other neonatal conditions. Abstracts of hospital discharge summaries are coded by medical records staff from participating hospitals and submitted regularly to CPHA for data processing. CPHA uses some of the data on neonates to provide tabulations to CDC for analysis. Since 1970, data on births of 10 million infants have been included in the BDMP. The present annual number of births covered, from 1,144 hospitals, is 1,030,000—about one-third of the births in the United States.

Birth defects cause nearly 20% of the infant mortality in the United States. In the period covered in this report, the incidence rates of the majority of birth defects neither substantially decreased nor increased. The paucity of increases suggests that few, if any, widespread and powerful new teratogens were introduced.

# CONGENITAL MALFORMATIONS

**CONGENITAL MALFORMATIONS — Reported incidence of selected congenital malformations by U.S. Census Region (including Puerto Rico) 1975-1979, Birth Defects Monitoring Program<sup>1</sup> (rates per 10,000 total births)**

Malformation/ Census Region	1979		1978		1977		1976		1975	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
<b>Anencephaly</b>										
Northeast	58	3.3	59	3.3	81	3.9	72	3.4	92	4.1
North Central	157	3.9	148	4.0	146	3.6	147	3.8	174	4.4
South <sup>2</sup>	96	3.6	89	3.6	102	3.7	123	4.6	122	4.6
West	60	3.2	64	3.5	72	3.8	95	5.0	75	4.1
<b>Total, United States<sup>2</sup></b>	<b>371</b>	<b>3.6</b>	<b>360</b>	<b>3.7</b>	<b>401</b>	<b>3.7</b>	<b>437</b>	<b>4.2</b>	<b>463</b>	<b>4.3</b>
<b>Spina Bifida W/Out Anencephaly</b>										
Northeast	92	5.3	85	4.7	94	4.5	108	5.2	125	5.5
North Central	203	5.0	192	5.2	209	5.1	180	4.7	218	5.5
South <sup>2</sup>	141	5.4	159	6.5	154	5.6	179	6.7	173	6.6
West	80	4.3	65	3.6	68	3.6	71	3.8	76	4.2
<b>Total, United States<sup>2</sup></b>	<b>516</b>	<b>5.0</b>	<b>501</b>	<b>5.1</b>	<b>525</b>	<b>4.9</b>	<b>538</b>	<b>5.1</b>	<b>592</b>	<b>5.5</b>
<b>Hydrocephalus W/Out Spina Bifida</b>										
Northeast	78	4.5	70	3.9	94	4.5	81	3.9	76	3.4
North Central	179	4.4	166	4.5	192	4.7	164	4.3	165	4.2
South <sup>2</sup>	124	4.7	109	4.5	140	5.1	110	4.1	104	4.0
West	72	3.9	67	3.7	74	3.9	76	4.0	74	4.0
<b>Total, United States<sup>2</sup></b>	<b>453</b>	<b>4.4</b>	<b>412</b>	<b>4.2</b>	<b>500</b>	<b>4.6</b>	<b>431</b>	<b>4.1</b>	<b>419</b>	<b>3.9</b>
<b>Cleft Palate W/Out Cleft Lip</b>										
Northeast	73	4.2	74	4.1	132	6.4	96	4.6	109	4.8
North Central	219	5.4	193	5.2	206	5.1	196	5.1	201	5.1
South <sup>2</sup>	137	5.2	105	4.3	131	4.8	126	4.7	100	3.8
West	104	5.6	96	5.3	117	6.2	91	4.8	85	4.6
<b>Total, United States<sup>2</sup></b>	<b>533</b>	<b>5.2</b>	<b>468</b>	<b>4.8</b>	<b>586</b>	<b>5.4</b>	<b>509</b>	<b>4.8</b>	<b>495</b>	<b>4.6</b>
<b>Cleft Lip With or W/Out Cleft Palate</b>										
Northeast	98	5.6	138	7.7	162	7.8	167	8.0	186	8.2
North Central	342	8.4	337	9.1	398	9.8	354	9.2	388	9.8
South <sup>2</sup>	193	7.3	186	7.6	225	8.2	219	8.2	231	8.8
West	149	8.0	178	9.8	181	9.6	190	10.1	215	11.7
<b>Total, United States<sup>2</sup></b>	<b>782</b>	<b>7.6</b>	<b>839</b>	<b>8.6</b>	<b>966</b>	<b>9.0</b>	<b>930</b>	<b>8.9</b>	<b>1,020</b>	<b>9.5</b>
<b>Clubfoot W/Out CNS Defects</b>										
Northeast	543	31.1	565	31.5	588	28.4	632	30.2	682	30.1
North Central	1,174	28.9	943	25.5	1,064	26.2	954	24.7	1,008	25.4
South <sup>2</sup>	533	20.2	435	17.8	473	17.3	484	18.2	464	17.7
West	399	21.3	348	19.2	360	19.0	385	20.4	339	18.5
<b>Total, United States<sup>2</sup></b>	<b>2,649</b>	<b>25.7</b>	<b>2,291</b>	<b>23.5</b>	<b>2,485</b>	<b>23.1</b>	<b>2,455</b>	<b>23.4</b>	<b>2,493</b>	<b>23.3</b>

<sup>1</sup> Discharge data reported by 1200 participating hospitals through the Commission on Professional and Hospital Activities, Ann Arbor, Michigan.

<sup>2</sup> Includes Puerto Rico.

# CONGENITAL MALFORMATIONS

**CONGENITAL MALFORMATIONS — Reported incidence of selected congenital malformations  
by U.S. Census Region (including Puerto Rico) 1975-1979, Birth Defects Monitoring Program<sup>1</sup>  
(rates per 10,000 total births) — Continued**

Malformation/ Census Region	1979		1978		1977		1976		1975	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
<b>Reduction Deformity</b>										
Northeast	61	3.5	48	2.7	57	2.8	67	3.2	67	3.0
North Central	145	3.6	124	3.4	161	4.0	103	2.7	118	3.0
South <sup>2</sup>	85	3.2	90	3.7	70	2.6	98	3.7	92	3.5
West	74	4.0	57	3.2	74	3.9	81	4.3	63	3.4
<b>Total, United States<sup>2</sup></b>	<b>365</b>	<b>3.5</b>	<b>319</b>	<b>3.3</b>	<b>362</b>	<b>3.4</b>	<b>349</b>	<b>3.3</b>	<b>340</b>	<b>3.2</b>
<b>Tracheo-Esophageal Fistula</b>										
Northeast	35	2.0	33	1.8	33	1.6	29	1.4	45	2.0
North Central	69	1.7	54	1.5	55	1.4	66	1.7	57	1.4
South <sup>2</sup>	41	1.6	27	1.1	37	1.3	45	1.7	44	1.7
West	38	2.0	27	1.5	29	1.5	34	1.8	44	2.4
<b>Total, United States<sup>2</sup></b>	<b>183</b>	<b>1.8</b>	<b>141</b>	<b>1.4</b>	<b>154</b>	<b>1.4</b>	<b>174</b>	<b>1.7</b>	<b>190</b>	<b>1.8</b>
<b>Rectal Atresia and Stenosis</b>										
Northeast	63	3.6	62	3.5	72	3.5	69	3.3	66	2.9
North Central	124	3.1	128	3.5	134	3.3	108	2.8	137	3.5
South <sup>2</sup>	80	3.0	64	2.6	72	2.6	86	3.2	80	3.0
West	54	2.9	53	2.9	68	3.6	73	3.9	61	3.3
<b>Total, United States<sup>2</sup></b>	<b>321</b>	<b>3.1</b>	<b>307</b>	<b>3.2</b>	<b>346</b>	<b>3.2</b>	<b>336</b>	<b>3.2</b>	<b>344</b>	<b>3.2</b>
<b>Renal Agenesis</b>										
Northeast	18	1.0	24	1.3	27	1.3	23	1.1	20	0.9
North Central	53	1.3	47	1.3	48	1.2	70	1.8	54	1.4
South <sup>2</sup>	30	1.1	20	0.8	21	0.8	30	1.1	21	0.8
West	25	1.3	38	2.1	15	0.8	29	1.5	25	1.4
<b>Total, United States<sup>2</sup></b>	<b>126</b>	<b>1.2</b>	<b>129</b>	<b>1.3</b>	<b>111</b>	<b>1.0</b>	<b>152</b>	<b>1.4</b>	<b>120</b>	<b>1.1</b>
<b>Hypospadias<sup>3</sup></b>										
Northeast	467	52.2	507	55.2	583	54.7	599	55.6	610	52.3
North Central	1,017	48.8	872	45.8	972	46.4	934	46.9	887	43.5
South <sup>2</sup>	610	45.2	533	42.3	533	37.8	536	39.3	580	42.8
West	473	49.3	416	44.6	463	47.5	440	45.3	432	45.9
<b>Total, United States<sup>2</sup></b>	<b>2,567</b>	<b>48.5</b>	<b>2,238</b>	<b>46.4</b>	<b>2,551</b>	<b>46.0</b>	<b>2,509</b>	<b>46.4</b>	<b>2,509</b>	<b>45.6</b>
<b>Down Syndrome</b>										
Northeast	144	8.3	167	9.3	175	8.5	184	8.8	249	11.0
North Central	332	8.2	271	7.3	290	7.1	292	7.6	327	8.2
South <sup>2</sup>	191	7.3	185	7.6	197	7.2	182	6.9	192	7.3
West	138	7.4	168	9.3	157	8.3	120	6.4	153	8.4
<b>Total, United States<sup>2</sup></b>	<b>805</b>	<b>7.8</b>	<b>791</b>	<b>8.1</b>	<b>819</b>	<b>7.6</b>	<b>778</b>	<b>7.4</b>	<b>921</b>	<b>8.6</b>

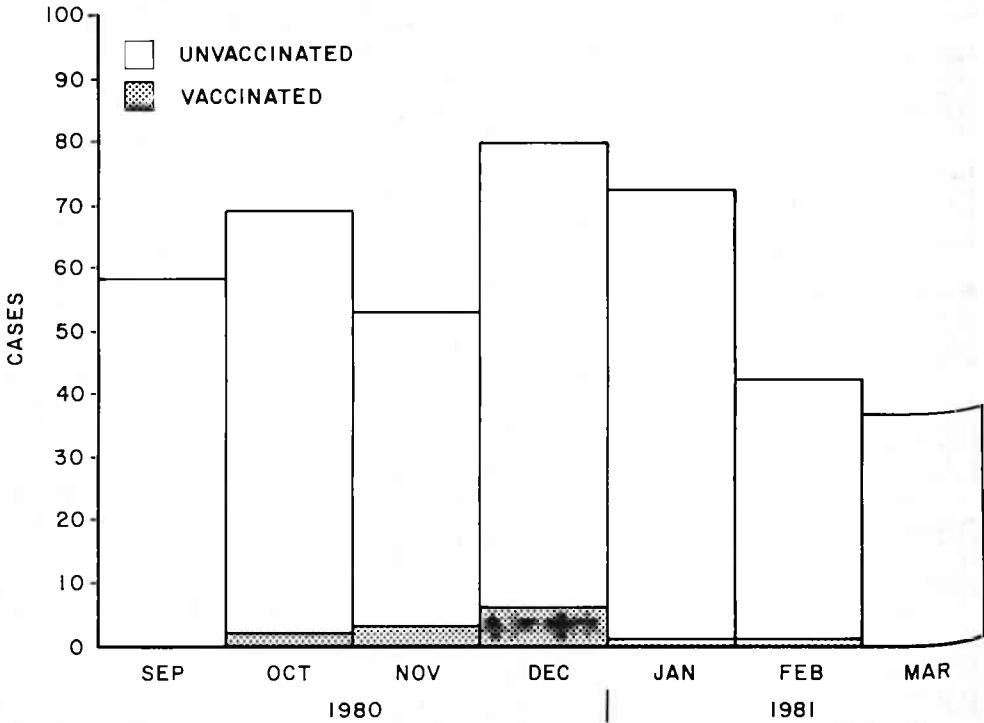
<sup>1</sup> Discharge data reported by 1200 participating hospitals through the Commission on Professional and Hospital Activities, Ann Arbor, Michigan.

<sup>2</sup> Includes Puerto Rico.

<sup>3</sup> Rates per 10,000 male births.

# GUILLAIN BARRÉ SYNDROME

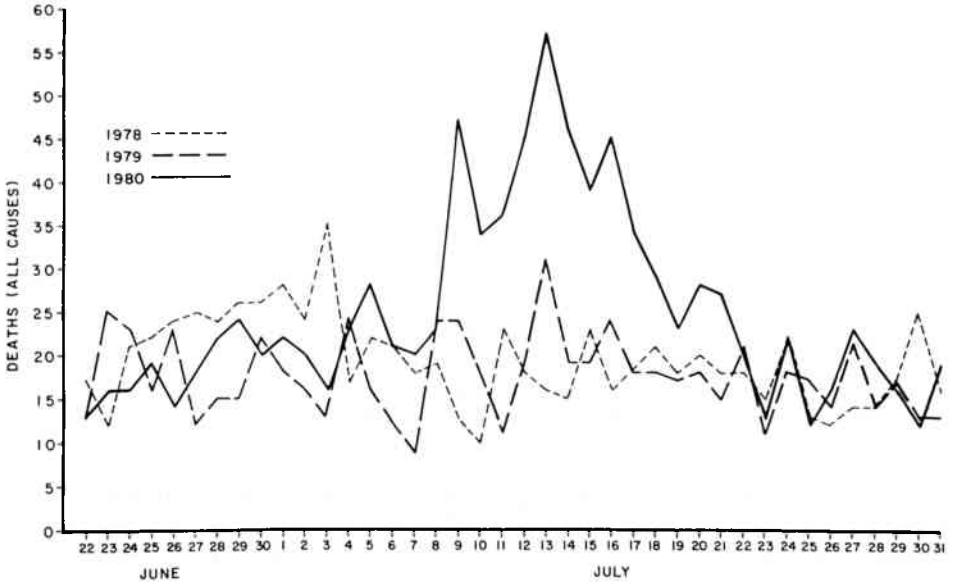
**GUILLAIN BARRÉ SYNDROME** – Reported cases by month of onset of neurologic symptoms, United States, 1980-1981



In 1978, CDC established a surveillance system to detect cases of Guillain-Barré syndrome (GBS). Since a major purpose of the system was to determine whether or not an increased risk of vaccine-associated GBS existed for the influenza vaccines administered in 1978-79 and subsequent seasons, surveillance has been intensified from September through March each year. The accompanying graph shows the total number of reported vaccinated and unvaccinated cases in 1980-81; preliminary analysis of the data does not support an association between influenza vaccination and GBS.



**HEAT-RELATED ILLNESS – Deaths in St. Louis, Missouri, residents, by day,  
June and July, 1978, 1979, and 1980**



SOURCE: MISSOURI DEATH CERTIFICATES

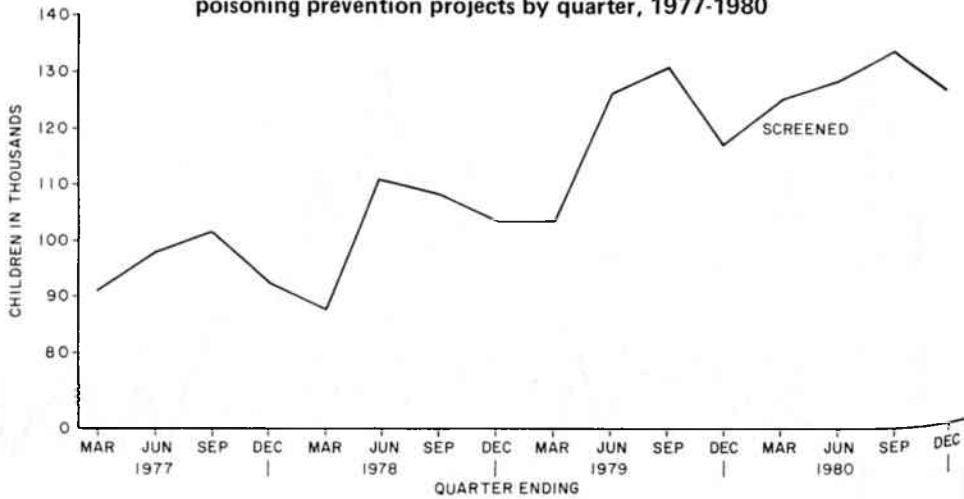
During the summer of 1980, record-breaking high temperatures occurred in much of the United States, especially in southern and midwestern states. Nationwide, estimates of the number of deaths due to the heat have ranged from 1,265 to as high as 1,800.

The cities of St. Louis and Kansas City, Missouri, were particularly severely affected. A total of 279 deaths attributed by physicians to the heat were counted in these 2 cities alone. Another 505 persons survived heat-related illness severe enough to require hospitalization.

Epidemiologic investigation undertaken in the 2 cities included a review of the demographic characteristics of 208 heatstroke cases and a case-control study of 156 of these cases. Heatstroke rates for persons 65 years or older were 12 to 13 times the rates for the remainder of the population. Low socioeconomic status and race other-than-white were characteristics also associated with increased rates of heatstroke. Biologic or medical conditions which were associated with heatstroke included inability to care for oneself, alcoholism, and the use of certain antipsychotic drugs (phenothiazines, butyrophenones, and thioxanthenes). Heatstroke tended to occur among residents of homes that lacked air conditioning or were surrounded by only a sparse growth of trees and shrubbery and among residents of the higher floors of multistory buildings. Reducing activity, spending more time in air-conditioned places (independent of whether or not there was a home air conditioner), and taking extra liquids appeared to be effective preventive measures.

## LEAD POISONING

**LEAD POISONING – Number of children screened in childhood lead-based paint poisoning prevention projects by quarter, 1977-1980**



In 1980, 63 programs reported screening 512,504 children. Of those screened, 25,293 (4.9%) were identified as having lead toxicity. The definition of lead toxicity is a blood lead  $\geq 30 \mu\text{g/dl}$  with an erythrocyte protoporphyrin (EP)  $\geq 50 \mu\text{g/dl}$ . All children ages 1-5 should be screened at least annually. Although the screening rate for this age group has increased, this rate in 1980 was only 3,275/100,000 which was significantly below the desired level. The rate of lead toxicity among or in the screened population was 4,935/100,000. Using the estimated population of ages 1-5 in the United States, the prevalence of lead toxicity is 162/100,000. This clearly underestimates the extent of the problem, since screening data are only reported from 63 communities in the United States.

The seasonal fluctuation shown in screening and lead toxicity is probably due to the intensive screening efforts by all programs during warmer weather. The EP test also identifies children with iron deficiency. During 1980, 20,063 children (3.9% of children screened) were identified as iron deficient.

Although lead is a pervasive contaminant in the environment, epidemiologic investigations indicate that lead-based paint remains the most common high-dose lead source for children with lead toxicity.

**LEAD POISONING – Number of children screened and found to have lead toxicity in childhood lead-based paint poisoning prevention programs, United States, 1972-1980**

Calendar year	Estimated U.S. population ages 1-5	Number of reporting programs	Children				
			Screened		With lead toxicity		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
1979	15,361,000	70	477,646	3,109	32,362	211	20,449
1980	15,649,000	63	512,504	3,275	25,293	162	20,063
<b>TOTAL</b>			<b>3,475,470</b>		<b>228,393</b>		<b>87,642</b>

# LEAD POISONING

## LEAD POISONING — Results of screening in childhood lead-based paint poisoning control projects, United States, October 1979 — September 1980

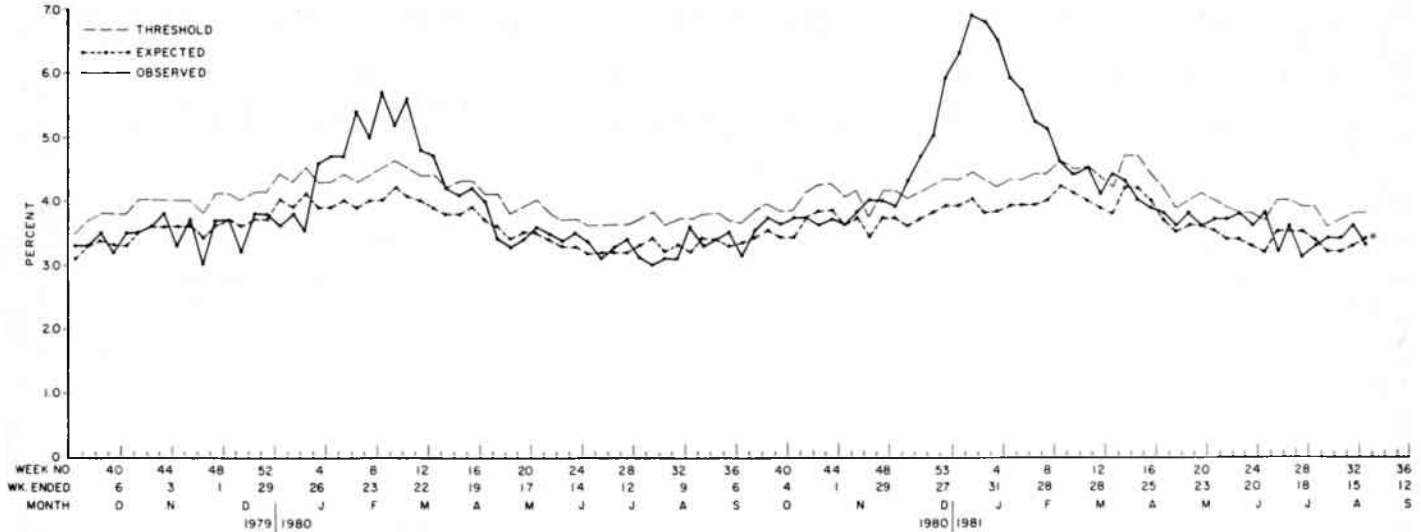
Programs	Number of children				Identified with iron deficiency
	Screened	With lead toxicity <sup>1</sup>			
		Total	Class II	Classes III & IV	
<b>United States</b>	<b>502,925</b>	<b>26,519</b>	<b>17,441</b>	<b>9,078</b>	<b>21,074</b>
<b>HHS REGION I</b>	<b>46,795</b>	<b>2,370</b>	<b>1,460</b>	<b>910</b>	<b>1,285</b>
Bridgeport, Conn.	4,005	130	71	59	48
Waterbury, Conn.	2,607	103	70	33	219
Portland, Maine <sup>2</sup>	160	24	8	16	0
Boston, Mass.	19,268	935	510	425	617
Chelsea, Mass. <sup>3</sup>	55	0	0	0	3
Lawrence, Mass.	7,019	578	451	127	168
Worcester, Mass.	6,447	228	173	55	155
Rhode Island State	7,234	372	177	195	75
<b>HHS REGION II</b>	<b>163,007</b>	<b>9,498</b>	<b>6,475</b>	<b>3,023</b>	<b>9,288</b>
Atlantic City, N.J.	1,619	95	45	50	30
Camden, N.J.	2,673	196	138	58	68
East Orange, N.J.	2,484	272	196	76	452
Jersey City, N.J.	3,136	428	306	122	119
Long Branch, N.J.	1,087	64	49	15	65
Newark, N.J.	6,729	1,134	790	344	277
Paterson, N.J.	4,428	375	275	100	347
Plainfield, N.J.	2,477	192	132	60	167
N.J. [Other local progs.] <sup>2</sup>	2,637	473	261	212	150
Erie Co., N.Y.	6,840	310	230	80	48
Monroe Co., N.Y.	5,570	462	346	116	274
New York City	111,188 <sup>3</sup>	5,108 <sup>3</sup>	3,422	1,686	6,757
Onondaga Co., N.Y.	7,513	227	165	62	236
Westchester Co., N.Y.	4,626	162	120	42	298
<b>HHS REGION III</b>	<b>79,268</b>	<b>5,505</b>	<b>3,676</b>	<b>1,829</b>	<b>3,426</b>
Delaware State	4,504	213	141	72	255
Washington, D.C.	15,810	387	266	121	1,515
Baltimore, Md.	12,345	155	96	59	340
Allentown-Bethlehem, Pa.	2,891	40	29	11	364
Chester, Pa.	2,739	81	56	25	47
Philadelphia, Pa.	21,768	4,183	2,763	1,420	238
Wilkes-Barre, Pa.	2,883	84	66	18	98
York, Pa.	1,401	35	24	11	128
Lynchburg, Va.	2,062	34	28	6	97
Norfolk, Va.	4,592	113	81	32	72
Portsmouth, Va.	2,234	70	50	20	141
Richmond, Va.	6,039	110	76	34	131
<b>HHS REGION IV</b>	<b>28,461</b>	<b>658</b>	<b>431</b>	<b>227</b>	<b>789</b>
Augusta, Ga.	2,986	48	38	10	113
Louisville, Ky.	10,468	303	201	102	417
Cabarrus Co., N.C.	171	2	0	2	0
S.C. State	7,444	213	128	85	183
Memphis, Tenn.	7,392	92	64	28	76
<b>HHS REGION V</b>	<b>116,897</b>	<b>5,798</b>	<b>3,832</b>	<b>1,966</b>	<b>3,799</b>
Chicago, Ill.	43,220	3,123	2,014	1,109	101
Kankakee, Ill.	1,941	36	29	7	82
Madison Co., Ill.	2,306	30	18	12	256
Rockford, Ill.	2,704	43	30	13	96
Waukegan-Lake Co., Ill.	2,287	45	30	15	121
Ill. [Other local progs.] <sup>2</sup>	4,444	165	108	57	16
Ft. Wayne-Allen Co., Ind.	1,679	46	29	17	3
Detroit, Mich.	19,199	712	479	233	151
Grand Rapids, Mich.	3,961	50	32	18	49
Wayne Co., Mich.	1,682	79	33	46	91
Akron, Ohio	5,237	247	206	41	547
Cincinnati, Ohio	9,185	279	194	85	1,366
Cleveland, Ohio	13,005	589	399	190	793
Beloit, Wis.	1,090	32	22	10	34
Milwaukee, Wis.	4,957	322	209	113	93
<b>HHS REGION VI</b>	<b>33,111</b>	<b>729</b>	<b>476</b>	<b>253</b>	<b>1,022</b>
Arkansas State	10,930	239	143	96	240
Louisiana State	3,233	30	25	5	0
New Orleans, La.	11,365	356	237	119	418
Houston, Tex.	7,583	104	71	33	364
<b>HHS REGION VII</b>	<b>24,369</b>	<b>1,885</b>	<b>1,056</b>	<b>829</b>	<b>701</b>
Cedar Rapids-Linn Co., Iowa	4,029	70	40	30	89
Davenport-Scott Co., Iowa	2,705	60	44	16	70
St. Louis, Mo.	13,258	1,603	859	744	245
Springfield, Mo. <sup>2</sup>	1,267	65	52	13	220
Omaha-Douglas Co., Neb.	3,110	87	61	26	77
<b>HHS REGION IX</b>	<b>11,017</b>	<b>76</b>	<b>35</b>	<b>41</b>	<b>764</b>
Alameda Co., Calif.	3,063	41	24	17	82
Los Angeles, Calif.	7,954	35	11	24	682

<sup>1</sup> Screening Class II and Classes III & IV defined in CDC Statement, "Preventing Lead Poisoning in Young Children," April 1978.

<sup>2</sup> Reporting program not receiving lead poisoning prevention grant support as of end of fiscal year.

<sup>3</sup> Estimated.

**PNEUMONIA-INFLUENZA – Observed and expected ratio of deaths attributed to pneumonia and influenza in 121 U.S. cities, as determined by the time series method, September 1979-August 1981**



\*FORECASTS ARE MADE AT 4-WEEK INTERVALS EXCEPT DURING EPIDEMIC PERIODS

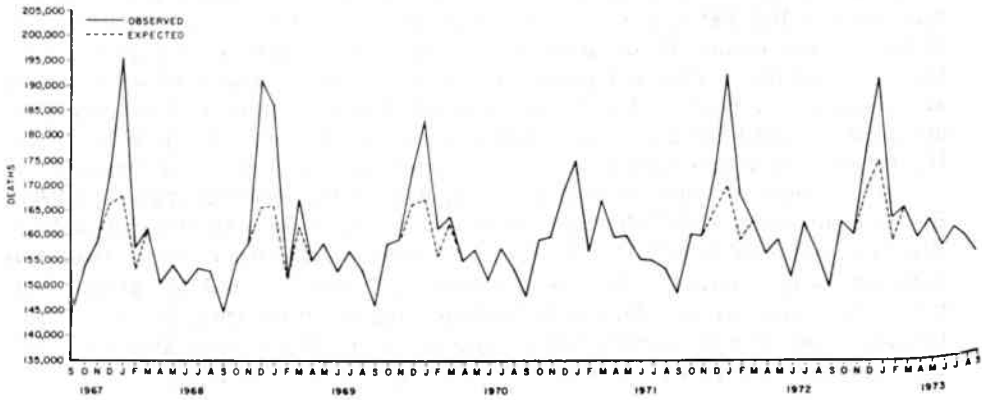
Every four weeks throughout the year the expected ratio of pneumonia and influenza (P&I) deaths to total deaths from all causes—in the absence of influenza epidemics—is forecast by the time series analysis of past nonepidemic mortality data to monitor mortality attributed to influenza activity. Large increases beyond the expected ratio of P&I deaths are usually associated with influenza A epidemics. This surveillance method is based on data from 121 urban centers, most of whose populations exceed 100,000 and whose total populations constitute approximately 26% of the U.S. population. These ratios represent not only an index of the national mortality attributable to P&I, but provide a readily available indicator of any increases associated with influenza. The following pages depict the total national mortality attributable to P&I based on final mortality data reported by the National Center for Health Statistics, with expected numbers being generated using time series analysis.

The predominant influenza viruses causing illness in the United States during 1980-81 were influenza A (H3N2) strains, generally closely related to A/Bangkok/1/79. Although influenza A (H1N1) and influenza B were isolated from several states, few outbreaks were reported to have been caused by influenza A (H1N1), and no outbreaks were reported for influenza B. Morbidity reports of influenza-like illness were received from schools, nursing homes, and industries. Reported deaths from 121 cities were elevated for a 13-week period beginning December 13, 1980.

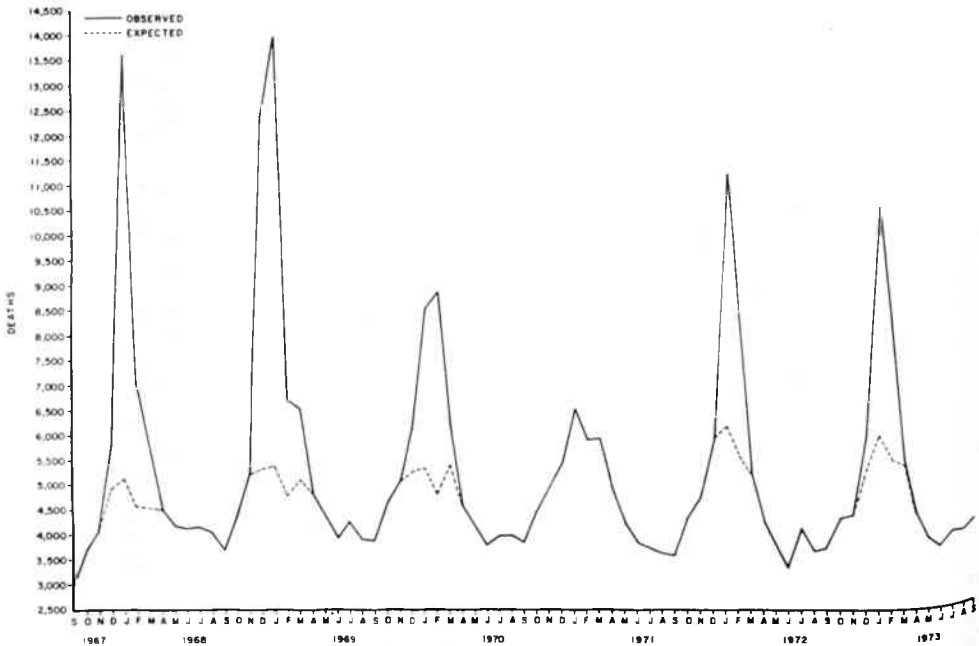
# PNEUMONIA-INFLUENZA

**PNEUMONIA-INFLUENZA** – Observed number of monthly deaths from all causes and observed number of deaths attributed to pneumonia and influenza with expected number forecast by Time Series Model, United States, September 1967-August 1973

## All causes



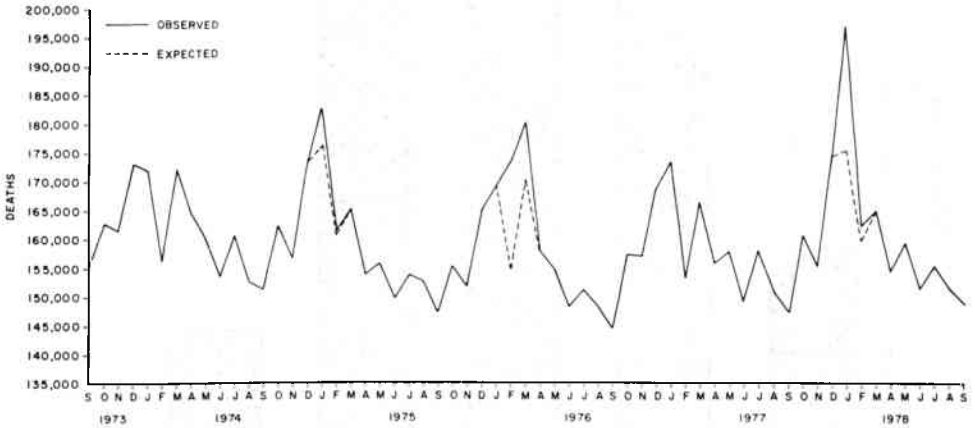
## Pneumonia and Influenza



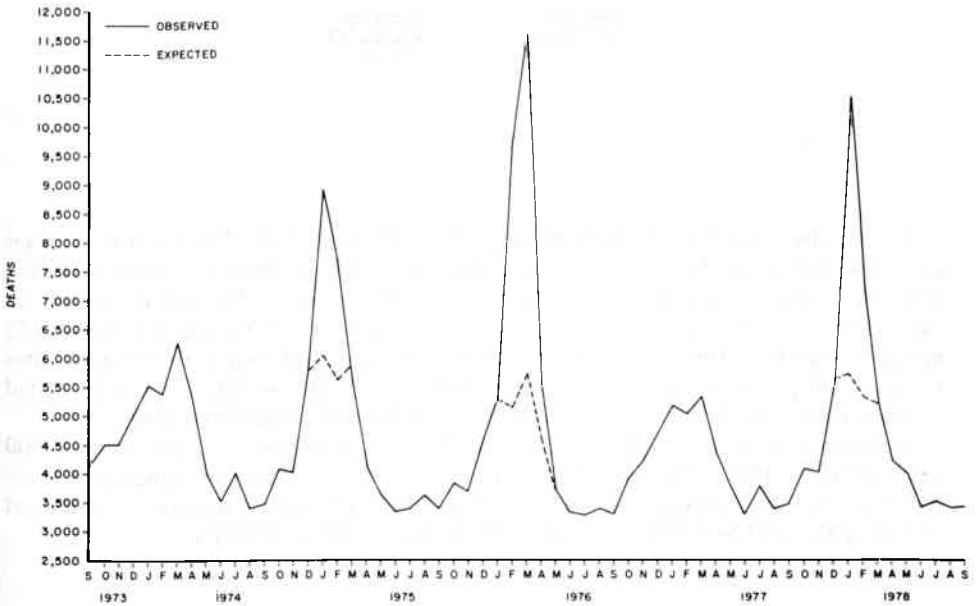
SOURCE: NATIONAL CENTER FOR HEALTH STATISTICS, VITAL STATISTICS OF THE UNITED STATES FOR RESPECTIVE YEAR

**PNEUMONIA-INFLUENZA** – Observed number of monthly deaths from all causes and observed number of deaths attributed to pneumonia and influenza with expected number forecast by Time Series Model, United States, September 1973-August 1978

**All causes**



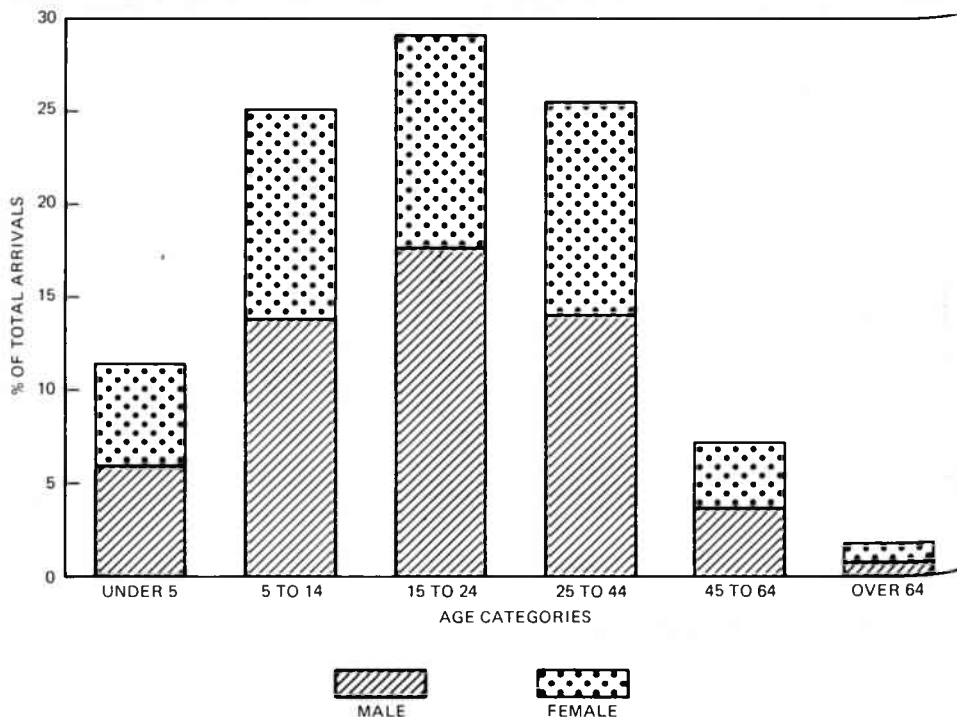
**Pneumonia and Influenza**



SOURCE: NATIONAL CENTER FOR HEALTH STATISTICS, *VITAL STATISTICS OF THE UNITED STATES*, FOR RESPECTIVE YEAR

## REFUGEES

### REFUGEES – Indochinese refugee arrivals in the United States, 1980



During the period April 1975 through June 1979, 212,181 Indochinese refugees were resettled in the United States, an average of 4,420 per month. In June 1979 the monthly quota for Indochinese refugee resettlements to the United States was increased from 7,000 to 14,000 per month. During the next 18 months, July 1979 through December 1980, 232,374 Indochinese refugees resettled in the United States for a monthly average of 12,910. Resettlements to countries other than the United States totalled 264,310 for the period April 1975 through December 1980.

Refugee arrivals in countries of first asylum in Southeast Asia averaged 12,000 per month in 1980. The total Indochinese refugee population in camps and processing centers in Southeast Asia at the end of 1980 was approximately 200,000, not including 125,000 New Khmer refugees in holding centers in Thailand.



# REFUGEES

**REFUGEES – Indochinese refugee arrivals in the United States, by country of birth  
and state of initial destination, 1980**

State	Cambodia	China	Laos	Vietnam	Other <sup>1</sup>	Total 1980	Total 1975-1980 <sup>2</sup>
Ala.	43	13	380	324	53	813	2,335
Alaska	9	2	34	97	2	144	439
Ariz.	61	24	371	681	59	1,196	3,065
Ark.	17	9	365	577	41	1,009	2,736
Calif.	4,231	1,097	10,132	29,630	1,782	46,872	145,486
Colo.	236	39	974	1,071	135	2,455	7,912
Conn.	166	19	761	612	86	1,644	4,246
Del.	—	—	46	44	1	91	266
D.C.	276	31	929	1,228	87	2,551	3,583
Fla.	254	28	595	1,770	87	2,734	9,005
Ga.	102	36	1,107	1,079	72	2,396	4,695
Hawaii	38	41	616	1,114	73	1,882	6,039
Idaho	12	2	182	116	22	334	836
Ill.	589	97	3,037	2,600	323	6,646	16,596
Ind.	97	23	521	729	63	1,433	3,919
Iowa	96	20	1,475	726	150	2,467	7,238
Kans.	51	10	603	1,001	71	1,736	5,619
Ky.	40	7	257	321	20	645	1,868
La.	36	23	135	2,027	51	2,272	10,873
Maine	44	6	73	173	10	306	655
Md.	188	37	192	944	36	1,397	4,894
Mass.	208	57	1,338	1,921	161	3,685	7,036
Mich.	330	65	906	1,525	116	2,942	8,184
Minn.	358	57	3,748	2,107	421	6,691	14,364
Miss.	3	14	29	330	8	384	1,401
Mo.	89	25	398	997	63	1,572	4,473
Mont.	8	—	249	72	21	350	1,052
Nebr.	37	8	244	354	26	669	2,099
Nev.	14	20	113	410	13	570	1,947
N. H.	14	—	81	35	9	139	299
N. J.	28	26	299	1,229	56	1,638	4,242
N. Mex.	26	10	706	419	77	1,238	2,251
N. Y.	296	162	1,346	3,328	191	5,323	13,059
N. C.	92	28	543	922	61	1,646	3,884
N. Dak.	30	1	163	48	28	270	595
Ohio	168	46	949	1,066	134	2,363	6,355
Okla.	112	27	639	1,097	122	1,997	6,532
Oreg.	413	46	2,925	1,902	386	5,672	13,144
Pa.	512	105	1,579	3,223	205	5,624	17,848
R. I.	163	2	641	85	61	952	2,423
S. C.	38	6	199	292	29	564	1,648
S. Dak.	38	5	140	113	21	317	920
Tenn.	60	18	949	413	64	1,504	3,427
Texas	805	141	2,411	7,550	438	11,345	38,516
Utah	224	39	1,553	1,144	209	3,169	5,890
Vt.	18	—	109	61	14	202	262
Va.	303	49	613	2,282	104	3,351	12,346
Wash.	946	111	2,788	3,186	424	7,455	19,774
W. Va.	14	8	117	142	18	299	440
Wis.	63	13	1,391	499	107	2,073	6,187
Wyo.	—	—	75	39	13	127	330
Guam	—	—	—	—	—	—	392
P. R.	—	—	5	—	—	5	35
V. I.	—	—	—	—	—	—	8
Unknown	—	—	—	—	—	—	287
<b>Total</b>	<b>11,996</b>	<b>2,653</b>	<b>50,031</b>	<b>83,655</b>	<b>6,824</b>	<b>155,159</b>	<b>444,555</b>

<sup>1</sup>Primarily children born in parent's country of first asylum.

<sup>2</sup>Estimated adjustments made for secondary migration.

REFUGEES – Indochinese refugee arrivals in the United States with suspected tuberculosis  
and cases counted in 1980

State	Class A (active or suspected active) TB						Class B (suspected not active) TB						Total counted as cases, 1980 <sup>1</sup>
	Total no. referred to health depts.	Initial evaluations in the U.S. (presumptive diagnosis)					Total no. referred to health depts.	Initial evaluations in the U.S. (presumptive diagnosis)					
		Active	Activity undeter- mined	Not active	Not TB	Follow-up report not received by CDC		Active	Activity undeter- mined	Not active	Not TB	Follow-up report not received by CDC	
Ala.	24	5	4	6	5	4	20	0	2	5	3	10	3
Alaska	4	2	2	0	0	0	4	0	1	2	0	1	5
Ariz.	38	8	12	9	3	6	33	1	5	10	9	8	9
Ark.	23	4	8	4	2	5	22	1	1	3	5	12	NA
Calif.	1,926	276	502	598	185	365	1,255	24	86	400	237	508	917 <sup>2</sup>
Colo.	74	9	29	18	12	6	63	5	6	19	17	16	28
Conn.	42	10	11	12	4	5	39	1	5	14	3	16	9
Del.	3	1	0	1	0	1	4	0	0	1	1	2	1
D.C.	62	11	13	13	9	16	41	2	2	4	11	22	18
Fla.	81	14	18	34	12	3	51	2	4	14	13	18	52
Ga.	62	18	18	17	2	7	50	0	3	4	3	40	10
Hawaii	78	20	7	38	12	1	65	6	3	32	16	8	11
Idaho	11	1	3	7	0	0	8	0	2	1	0	5	1
Ill.	184	30	57	47	33	17	154	6	22	31	30	65	68
Ind.	47	12	9	14	6	6	33	2	7	7	5	12	10 <sup>3</sup>
Iowa	56	15	13	18	1	9	66	2	12	22	17	13	16
Kans.	55	32	5	12	2	4	31	1	2	10	8	10	16
Ky.	21	4	10	5	0	2	15	0	4	2	1	8	3
La.	62	6	16	6	12	22	40	1	1	4	7	27	22
Maine	7	4	1	2	0	0	6	0	0	4	0	2	5
Md.	60	10	17	22	10	1	49	2	5	12	13	17	37
Mass.	104	26	32	28	14	4	71	1	11	18	11	30	23
Mich.	116	27	28	37	7	17	63	1	8	20	19	15	107
Minn.	162	43	44	37	30	8	162	13	26	36	72	15	93
Miss.	10	3	1	4	0	2	10	0	0	1	1	8	4
Mo.	40	5	13	17	3	2	28	0	1	12	6	9	42
Mont.	5	1	2	1	0	1	3	0	1	0	0	2	0
Nebr.	18	2	4	9	1	2	13	0	2	4	3	4	2
Nev.	24	5	4	10	1	4	11	1	1	4	3	2	7
N.H.	3	0	1	0	2	0	3	0	0	0	0	2	0

<sup>1</sup> Based on diagnostic status at the end of the calendar year, regardless of entry date or overseas certification status.

<sup>2</sup> Incomplete data.

<sup>3</sup> Includes 6 months only.

REFUGEES – Indochinese refugee arrivals in the United States with suspected tuberculosis  
and cases counted in 1980 – continued

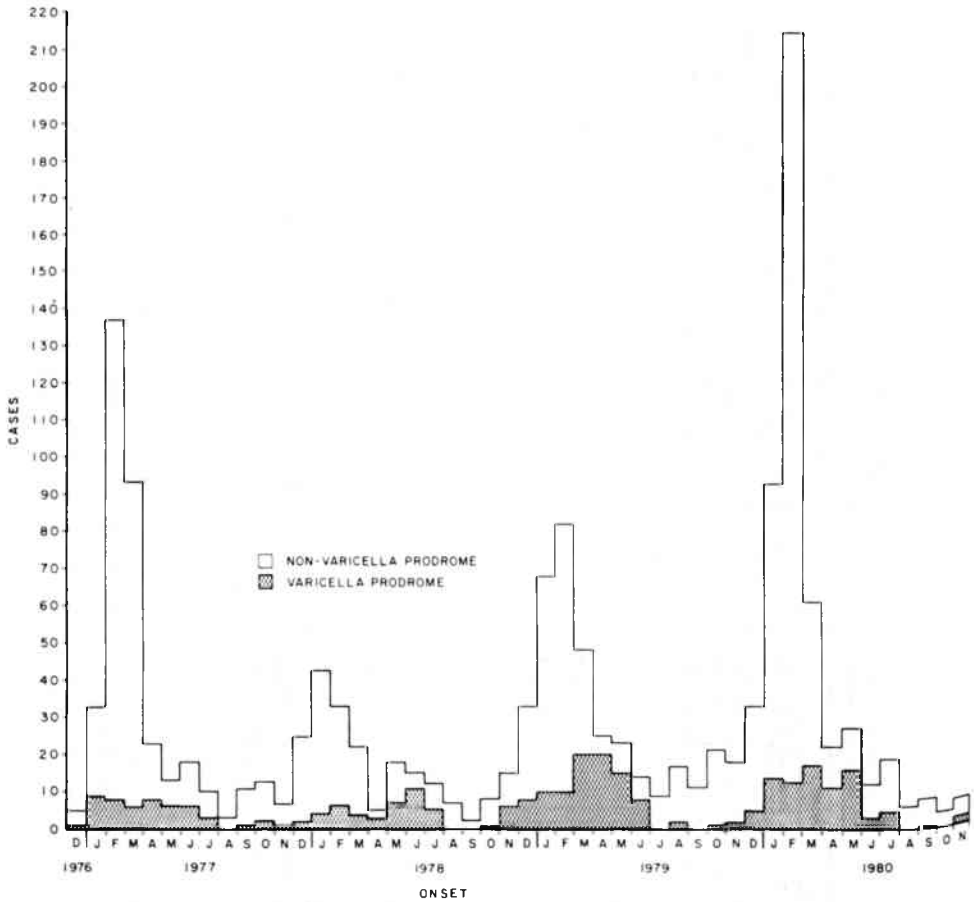
State	Class A (active or suspected active) TB						Class B (suspected not active) TB						Total counted as cases, 1980 <sup>1</sup>
	Total no. referred to health depts.	Initial evaluations in the U.S. (presumptive diagnosis)					Total no. referred to health depts.	Initial evaluations in the U.S. (presumptive diagnosis)					
		Active	Activity undetermined	Not active	Not TB	Follow-up report not received by CDC		Active	Activity undetermined	Not active	Not TB	Follow-up report not received by CDC	
N.J.	72	7	9	44	9	3	41	1	2	14	10	14	21
N. Mex.	36	5	13	6	9	3	21	1	1	4	11	4	7
N.Y.	222	29	56	65	17	55	117	2	15	34	22	44	64
N.C.	55	9	14	23	9	0	35	0	7	10	10	8	23
N. Dak.	12	6	2	1	2	1	5	1	1	1	2	0	9
Ohio	74	19	12	19	20	4	52	4	4	14	16	14	28
Okla.	55	8	18	11	6	12	43	1	6	5	8	23	18
Oreg.	149	28	30	47	29	15	124	5	14	39	38	28	40
Pa.	190	22	37	81	31	19	147	4	6	33	51	53	69
R.I.	24	0	12	8	4	0	28	0	8	1	18	1	5
S.C.	11	3	3	3	1	1	6	1	0	2	1	2	8
S. Dak.	9	2	3	3	1	0	5	0	2	1	1	1	1
Tenn.	25	4	7	5	8	1	31	0	2	5	20	4	12
Texas	351	33	134	71	72	41	277	7	40	55	96	79	111
Utah	79	18	21	28	12	0	78	4	9	32	23	10	10
Vt.	5	0	1	3	0	1	7	0	2	1	1	3	1
Va.	127	38	25	37	16	11	91	2	7	26	17	39	51
Wash.	274	44	71	115	40	4	166	9	15	63	47	32	108
W. Va.	7	2	2	3	0	0	4	0	0	2	0	2	3
Wis.	39	8	8	8	14	1	38	0	5	5	10	18	26
Wyo.	2	0	0	1	0	1	1	0	0	1	0	0	0
<b>Total</b>	<b>5,220</b>	<b>889</b>	<b>1,362</b>	<b>1,608</b>	<b>668</b>	<b>693</b>	<b>3,730</b>	<b>114</b>	<b>369</b>	<b>1,044</b>	<b>916</b>	<b>1,287</b>	<b>2,134</b>

<sup>1</sup> Based on diagnostic status at the end of the calendar year, regardless of entry date or overseas certification status.

Indochinese refugees are medically screened in Southeast Asia before traveling to the United States and other countries. Upon arrival at U.S. ports of entry, suspected cases of tuberculosis are referred to the appropriate state and local health departments.

# REYE SYNDROME

REYE SYNDROME — Reported cases by month of onset of prodrome, United States, December 1976-November 1980



The temporal association seen in previous years between Reye syndrome and influenza B was present again in 1980. The 548 cases of Reye syndrome reported in 1980 was the largest total received by CDC since yearly national surveillance began. Eighty-three percent (420/506) of the Reye syndrome cases occurred between November 25, 1979-April 18, 1980. Cases began increasing approximately the same time as influenza B isolates were identified by collaborating World Health Organization laboratories in the United States. Influenza B isolates and Reye syndrome cases both peaked the week ending February 8, 1980. Varicella-related Reye syndrome cases occurred sporadically throughout the year. Sixty-three percent (55/87) of all varicella-associated cases occurred during the late winter, early spring—the peak varicella season.

## SURGICAL STERILIZATION

**SURGICAL STERILIZATION – Hysterectomy rates<sup>1</sup> for women aged 15-44 by selected demographic variables, United States, 1970-1978**

	1970	1971	1972	1973	1974	1975	1976	1977	1978
<b>Geographic Region</b>									
Northeast	6.2	6.7	6.3	6.7	5.7	5.6	5.0	5.2	4.4
North Central	7.1	7.4	7.8	8.5	9.1	9.1	8.4	8.6	8.3
South	8.2	8.5	11.5	11.2	11.1	11.7	11.1	11.8	11.0
West	6.9	7.7	8.8	9.2	9.2	8.9	7.6	9.2	6.9
<b>Age</b>									
15-24	0.7	0.8	1.1	0.9	1.1	1.0	1.0	1.3	1.0
25-34	8.4	9.0	11.0	11.4	10.1	11.4	10.3	11.3	9.4
35-44	15.6	16.6	18.4	19.5	20.5	19.9	18.3	18.8	17.7
<b>Race<sup>2</sup></b>									
White	6.8	7.4	8.7	9.0	8.9	9.0	8.1	8.9	7.8
Black	9.8	8.9	9.3	9.7	9.1	10.1	10.0	9.5	9.7
<b>Total</b>	<b>7.2</b>	<b>7.6</b>	<b>8.8</b>	<b>9.1</b>	<b>9.0</b>	<b>9.1</b>	<b>8.4</b>	<b>9.0</b>	<b>8.1</b>
<b>Number (Thousands)</b>	<b>306</b>	<b>332</b>	<b>341</b>	<b>413</b>	<b>415</b>	<b>430</b>	<b>403</b>	<b>442</b>	<b>404</b>

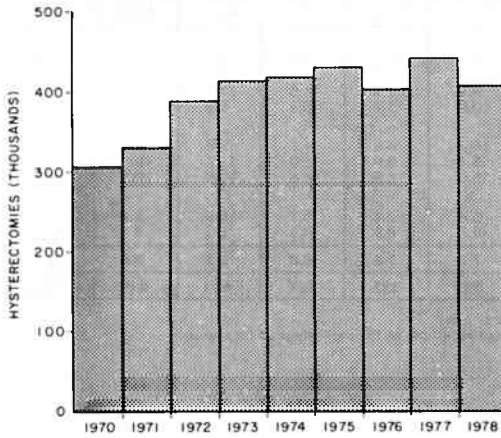
<sup>1</sup> Per 1,000 women 15-44 years of age.

<sup>2</sup> Race unknown was redistributed according to the percentage of race known.

According to data from the National Hospital Discharge Survey, an estimated 3.5 million women ages 15-44 had hysterectomies in United States short-stay hospitals between 1970 and 1978. Hysterectomy is the second most frequently performed intra-abdominal surgical procedure (following tubal sterilization) among women ages 15-44. Compared with other regions, women in the South had the highest hysterectomy rates while women in the Northeast had the lowest rates. Women ages 35-44 had the highest hysterectomy rates among reproductive-age women (15-44), while black women generally had higher rates than white women. Of women ages 15-44 who had had hysterectomies in 1978, 25% had vaginal hysterectomies while 75% had abdominal procedures.

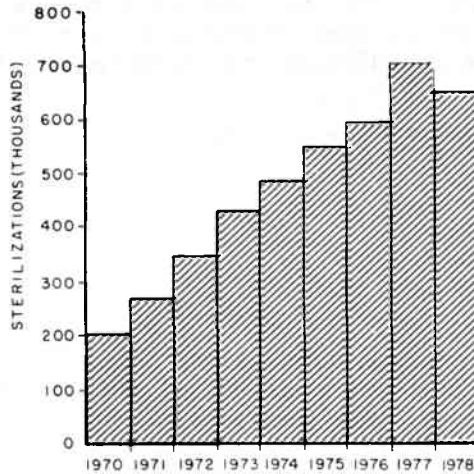
## SURGICAL STERILIZATION

**SURGICAL STERILIZATION — Hysterectomies performed in hospitals\* on women ages 15-44, by year, United States, 1970-1978**



\*NONFEDERAL, SHORT-STAY HOSPITALS

**SURGICAL STERILIZATION — Tubal sterilizations performed in hospitals,\* United States, 1970-1978**



\*NONFEDERAL, SHORT-STAY HOSPITALS

## SURGICAL STERILIZATION

**SURGICAL STERILIZATION – Tubal sterilization rates<sup>1</sup> for women aged 15-44 by selected demographic variables, United States, 1970-1978**

	1970	1971	1972	1973	1974	1975	1976	1977	1978
<b>Geographic Region</b>									
Northeast	4.6	6.8	8.5	10.9	10.9	11.5	12.6	13.0	11.9
North Central	4.3	6.3	7.3	10.6	11.9	13.3	13.3	15.4	13.5
South	5.7	6.6	9.1	9.6	11.4	12.7	13.7	16.9	16.2
West	3.7	4.4	5.5	6.2	6.0	7.6	7.9	9.7	8.2
<b>Age</b>									
15-24	1.6	2.4	3.2	3.7	4.1	4.2	5.0	5.9	5.5
25-34	9.8	12.9	15.2	18.0	19.3	21.8	20.9	24.7	22.1
35-44	4.0	4.4	6.6	8.7	9.6	10.9	13.0	13.9	13.1
<b>Race<sup>2</sup></b>									
White	4.1	5.3	7.1	9.1	10.1	11.6	12.0	13.8	12.5
Black	9.0	12.0	12.7	12.5	12.4	12.0	14.0	17.0	16.4
<b>Total</b>	<b>4.7</b>	<b>6.2</b>	<b>7.9</b>	<b>9.6</b>	<b>10.4</b>	<b>11.7</b>	<b>12.3</b>	<b>14.3</b>	<b>13.0</b>
<b>Number (Thousands)</b>	<b>201</b>	<b>269</b>	<b>350</b>	<b>435</b>	<b>484</b>	<b>550</b>	<b>592</b>	<b>702</b>	<b>653</b>

<sup>1</sup> Per 1,000 women 15-44 years of age.

<sup>2</sup> Race unknown was redistributed according to the percentage of race known.

According to data from the National Hospital Discharge Survey, between 1970 and 1978 an estimated 4.25 million women ages 15-44 had tubal sterilizations in United States short-stay hospitals. From 1970 to 1977 the number of sterilizations increased from 201,000 to 702,000. In 1978, 653,000 tubal sterilizations were performed. In 1978, the number of sterilizations performed in hospitals decreased for the first time. Currently, tubal sterilization is the most frequently performed intra-abdominal surgical procedure performed on reproductive-age women. Tubal sterilization rates were comparable in all regions of the country except the West for which the rates were consistently lower. Women ages 25-34 had the highest sterilization rates. The average age at the time of sterilization is about 30 years old. Rates for black women were generally higher than those for white women. Since 1973, more than half of the sterilizations done in hospitals have been interval procedures, i.e., they were performed on women who were not pregnant on hospital admission. In 1978, 51% of the interval sterilizations were done with a laparoscope. During the period 1976-1978, 115,000 women had sterilizations on an out-patient basis in hospitals, i.e., they were admitted, had surgery, and were discharged on the same day.

## TOXIC-SHOCK SYNDROME

Toxic-shock syndrome (TSS) surveillance began in the spring of 1980 after it was recognized that an illness affecting previously healthy young women in Wisconsin and Minnesota was TSS. As of June 1981, 823 cases of TSS meeting the current CDC case definition and having onset in 1980 had been reported. TSS is overwhelmingly a disease of menstruating women (96% of cases) and has been associated with the use of tampons, but cases have also been recognized in males (1.5% of cases) and non-menstruating females (2.5% of cases). Menstrually-associated cases have been strongly associated with the presence of *Staphylococcus aureus* in the vagina, while nonmenstrually-associated cases have been associated with focal staphylococcal infections at a variety of sites, including abscesses, surgical wounds, burns, etc. Postpartum cases associated with vaginal infections have also been reported.

Menstrually-associated TSS is predominantly a disease of young women, with over 33% of the cases being reported in the 15 to 19-year-old group. Over 98% of the reported cases have occurred among whites, but cases have been recognized among blacks, Asian-Americans, American Indians, and Hispanics.

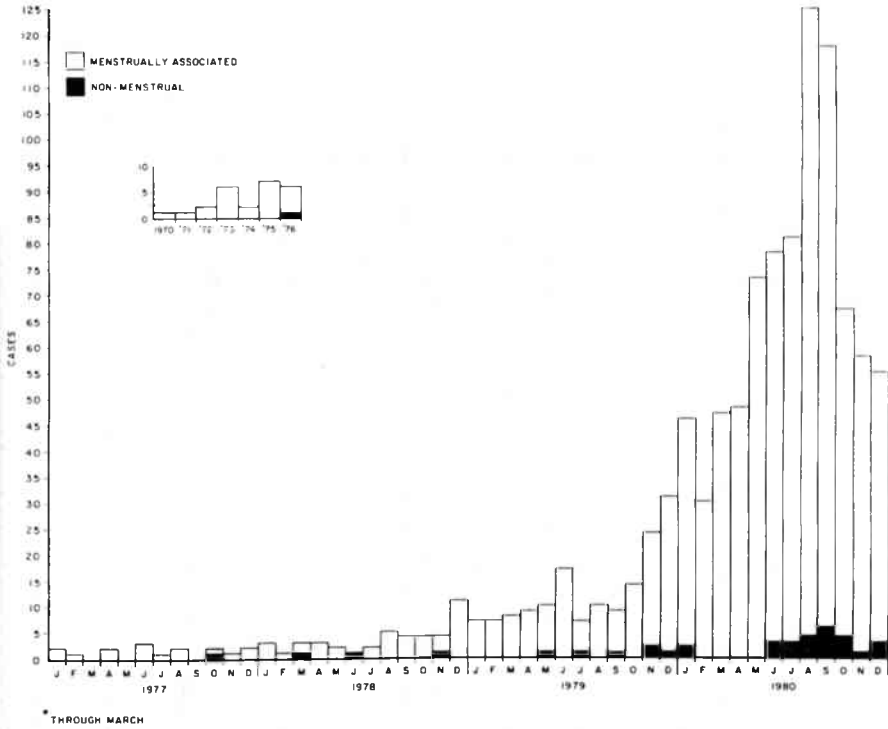
A disproportionately large number of reported cases of TSS have come from a small number of states. It is not possible to determine to what extent this difference in reporting between states is a result of true geographic differences in the incidence of TSS and to what extent it reflects the interests of local health officials and researchers.

While a large percentage of the cases of TSS reported in 1980 had onset in the summer and early fall, it is too early to determine whether or not TSS demonstrates seasonality. The extensive publicity regarding TSS may have contributed to the large number of cases reported with onset in August and September 1980.



# TOXIC-SHOCK SYNDROME

## TOXIC-SHOCK SYNDROME — Reported cases by date of onset, United States, January 1970-December 1980



\* THROUGH MARCH

# TOXIC-SHOCK SYNDROME

TOXIC-SHOCK SYNDROME — Reported cases by state and by age, United States, 1980

Area	Total	<10	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45+	Unk.
<b>United States</b>	<b>827</b>	<b>1</b>	<b>56</b>	<b>298</b>	<b>167</b>	<b>142</b>	<b>78</b>	<b>49</b>	<b>10</b>	<b>11</b>	<b>15</b>
<b>New England</b>	<b>34</b>	<b>—</b>	<b>1</b>	<b>14</b>	<b>6</b>	<b>7</b>	<b>4</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>1</b>
Maine	3	—	—	3	—	—	—	—	—	—	—
N.H.	2	—	1	—	—	1	—	—	—	—	—
Vt.	—	—	—	—	—	—	—	—	—	—	—
Mass.	21	—	—	9	4	3	3	1	—	—	1
R.I.	1	—	—	—	—	1	—	—	—	—	—
Conn.	7	—	—	2	2	2	1	—	—	—	—
<b>Mid-Atlantic</b>	<b>45</b>	<b>1</b>	<b>7</b>	<b>18</b>	<b>5</b>	<b>6</b>	<b>6</b>	<b>1</b>	<b>1</b>	<b>—</b>	<b>—</b>
N.Y.	19	1	3	8	1	2	4	—	—	—	—
N.J.	11	—	1	7	—	2	1	—	—	—	—
Pa.	15	—	3	3	4	2	1	1	1	—	—
<b>E.N. Central</b>	<b>240</b>	<b>—</b>	<b>18</b>	<b>79</b>	<b>51</b>	<b>44</b>	<b>24</b>	<b>15</b>	<b>4</b>	<b>4</b>	<b>1</b>
Ohio	35	—	4	11	5	7	4	3	—	1	1
Ind.	29	—	3	7	6	8	3	1	—	—	1
Ill.	43	—	3	14	8	9	6	2	1	—	—
Mich.	44	—	2	13	11	9	2	4	2	1	—
Wis.	89	—	6	34	21	11	9	5	1	2	—
<b>W.N. Central</b>	<b>156</b>	<b>—</b>	<b>4</b>	<b>59</b>	<b>38</b>	<b>28</b>	<b>11</b>	<b>11</b>	<b>2</b>	<b>3</b>	<b>—</b>
Minn.	88	—	2	28	25	16	5	8	1	3	—
Iowa	22	—	1	7	5	4	3	1	1	—	—
Mo.	19	—	1	12	4	—	1	1	—	—	—
N. Dak.	—	—	—	—	—	—	—	—	—	—	—
S. Dak.	3	—	—	1	—	1	—	1	—	—	—
Nebr.	8	—	—	5	—	2	1	—	—	—	—
Kans.	16	—	—	6	4	5	1	—	—	—	—
<b>S. Atlantic</b>	<b>48</b>	<b>—</b>	<b>2</b>	<b>23</b>	<b>9</b>	<b>8</b>	<b>4</b>	<b>2</b>	<b>—</b>	<b>—</b>	<b>—</b>
Del.	1	—	—	1	—	—	—	—	—	—	—
Md.	9	—	1	5	2	1	—	—	—	—	—
D.C.	—	—	—	—	—	—	—	—	—	—	—
Va.	8	—	—	5	—	2	1	—	—	—	—
W. Va.	1	—	—	—	—	—	—	1	—	—	—
N.C.	4	—	—	3	1	—	—	—	—	—	—
S.C.	4	—	—	2	2	—	—	—	—	—	—
Ga.	11	—	1	5	2	3	—	—	—	—	—
Fla.	10	—	—	2	2	2	3	1	—	—	—
<b>E.S. Central</b>	<b>25</b>	<b>—</b>	<b>3</b>	<b>10</b>	<b>7</b>	<b>2</b>	<b>3</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
Ky.	5	—	2	1	1	—	1	—	—	—	—
Tenn.	12	—	1	5	3	1	2	—	—	—	—
Ala.	2	—	—	1	1	—	—	—	—	—	—
Miss.	6	—	—	3	2	1	—	—	—	—	—
<b>W.S. Central</b>	<b>60</b>	<b>—</b>	<b>1</b>	<b>20</b>	<b>13</b>	<b>11</b>	<b>8</b>	<b>5</b>	<b>—</b>	<b>2</b>	<b>—</b>
Ark.	11	—	1	4	2	2	2	—	—	—	—
La.	7	—	—	6	1	—	—	—	—	—	—
Okla.	16	—	—	3	2	4	3	2	—	2	—
Texas	26	—	—	7	8	5	3	3	—	—	—
<b>Mountain</b>	<b>85</b>	<b>—</b>	<b>6</b>	<b>33</b>	<b>6</b>	<b>14</b>	<b>9</b>	<b>6</b>	<b>2</b>	<b>—</b>	<b>—</b>
Mont.	2	—	—	2	—	—	—	—	—	—	—
Idaho	8	—	—	6	—	—	2	—	—	—	—
Wyo.	2	—	—	2	—	—	—	—	—	—	—
Colo.	23	—	4	10	2	2	3	1	—	—	—
N. Mex.	3	—	—	2	—	—	1	—	—	—	—
Ariz.	10	—	1	3	—	5	—	1	—	—	—
Utah	36	—	1	8	4	6	3	4	2	—	8
Nev.	1	—	—	—	—	1	—	—	—	—	—
<b>Pacific</b>	<b>134</b>	<b>—</b>	<b>14</b>	<b>42</b>	<b>32</b>	<b>22</b>	<b>9</b>	<b>8</b>	<b>1</b>	<b>2</b>	<b>4</b>
Wash.	13	—	—	5	5	2	—	—	—	—	1
Oreg.	31	—	2	10	9	2	2	5	—	—	1
Calif.	70	—	10	20	11	16	6	3	1	1	2
Los Angeles Co.	19	—	2	7	6	2	1	—	—	1	—
Alaska	—	—	—	—	—	—	—	—	—	—	—
Hawaii	1	—	—	—	1	—	—	—	—	—	—

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