



# Morbidity and Mortality

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

PUBLIC HEALTH SERVICE

HEALTH SERVICES AND MENTAL HEALTH ADMINISTRATION

EPIDEMIOLOGIC NOTES AND REPORTS  
INFLUENZA - United States

Since December 21, 1968 (MMWR, Vol. 17, No. 51), there has been essentially no reported change in influenza activity in the United States. Widespread occurrence has been reported in 23 states, regional occurrence in 10 states, and isolated outbreaks in 14 states. Documented isolated cases of influenza have occurred in Hawaii, Louisiana, and Mississippi.

As of December 28, excess pneumonia-influenza mortality and excess total mortality for 122 U.S. cities were seen for the fourth consecutive week. While excess total mortality for the 122 U.S. cities was slightly lower than the preceding week, excess pneumonia-influenza mortality

CONTENTS

Epidemiologic Notes and Reports  
 Influenza - United States . . . . . 477  
 Follow-up and Two Additional Outbreaks of Epidemic Gastroenteritis, Possible Winter Vomiting Disease - Ohio and Oklahoma . . . . . 478  
 Current Trends  
 Gonorrhoea - United States . . . . . 479  
 Index - Volume 17 - 1968 . . . . . 481

was slightly higher. Excess pneumonia-influenza mortality was observed in all geographic divisions except for the East South Central and West South Central Divisions. (Reported by Respiratory Viral Diseases Unit, NCDC.)

TABLE I. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
(Cumulative totals include revised and delayed reports through previous weeks)

DISEASE	52nd WEEK ENDED		MEDIAN 1963 - 1967	CUMULATIVE, FIRST 52 WEEKS		
	December 28, 1968	December 30, 1967		1968	1967	MEDIAN 1963 - 1967
Aseptic meningitis . . . . .	70	29	29	4,362	2,998	2,135
Brucellosis . . . . .	2	8	8	226	252	257
Diphtheria . . . . .	2	10	5	243	214	214
Encephalitis, primary:						
Arthropod-borne & unspecified . . . . .	21	19	---	1,449	1,585	---
Encephalitis, post-infectious . . . . .	5	10	---	463	760	---
Hepatitis, serum . . . . .	86	71	715	4,695	2,383	37,652
Hepatitis, infectious . . . . .	673	695		45,522	38,749	
Malaria . . . . .	53	83	13	2,367	2,141	107
Measles (rubeola) . . . . .	205	479	2,800	22,527	62,335	265,501
Meningococcal infections, total . . . . .	17	53	53	2,516	2,166	2,813
Civilian . . . . .	17	52	---	2,307	2,035	---
Military . . . . .	---	1	---	209	131	---
Mumps . . . . .	1,611	---	---	148,731	---	---
Poliomyelitis, total . . . . .	---	7	7	57	53	102
Paralytic . . . . .	---	4	4	57	37	91
Rubella (German measles) . . . . .	277	308	---	48,433	44,161	---
Streptococcal sore throat & scarlet fever . . . . .	8,273	10,322	7,752	434,648	448,976	393,846
Tetanus . . . . .	1	7	5	159	233	267
Tularemia . . . . .	---	4	11	172	169	247
Typhoid fever . . . . .	3	4	6	405	396	461
Typhus, tick-borne (Rky. Mt. spotted fever) . . . . .	2	2	2	279	300	254
Rabies in animals . . . . .	36	60	61	3,317	4,172	4,172

TABLE II. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax: . . . . .	3	Rabies in man: . . . . .	1
Botulism: . . . . .	7	Rubella, Congenital Syndrome: . . . . .	6
Leptospirosis: Fla.-1 . . . . .	57	Trichinosis: NY Up-State-1 . . . . .	65
Plague: . . . . .	3	Typhus, murine: . . . . .	33
Psittacosis: Calif.-1 . . . . .	43		

Excludes Report from Oregon - Weather Conditions.

**FOLLOW-UP AND TWO ADDITIONAL OUTBREAKS OF  
EPIDEMIC GASTROENTERITIS, POSSIBLE WINTER VOMITING DISEASE  
Ohio and Oklahoma**

Since the report of epidemic gastroenteritis from Norwalk, Ohio, appeared (MMWR, Vol. 17, No. 47), two similar outbreaks have been reported to NCDC. One of the epidemics occurred recently in a public school in Columbus, Ohio, and the second in a college in Oklahoma in September.

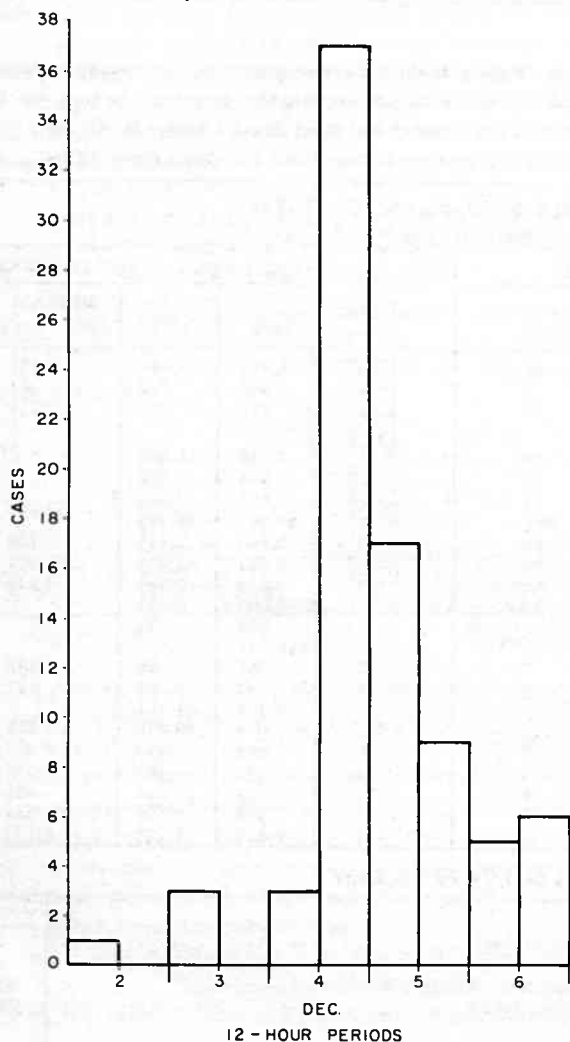
Both epidemics had certain clinical and epidemiologic features in common: sudden onset, absence of prodromata, nausea and vomiting as the principal symptoms, mild fever in less than 40 percent of cases, little diarrhea, no sequelae, and failure to isolate the causative agent or agents. Illness occurred in primary cases over a 2-3 day span suggesting a common source.

The epidemic in Columbus began in an elementary school on Wednesday morning, December 4. Over the next 2 days there was an absentee rate of about 25 percent.

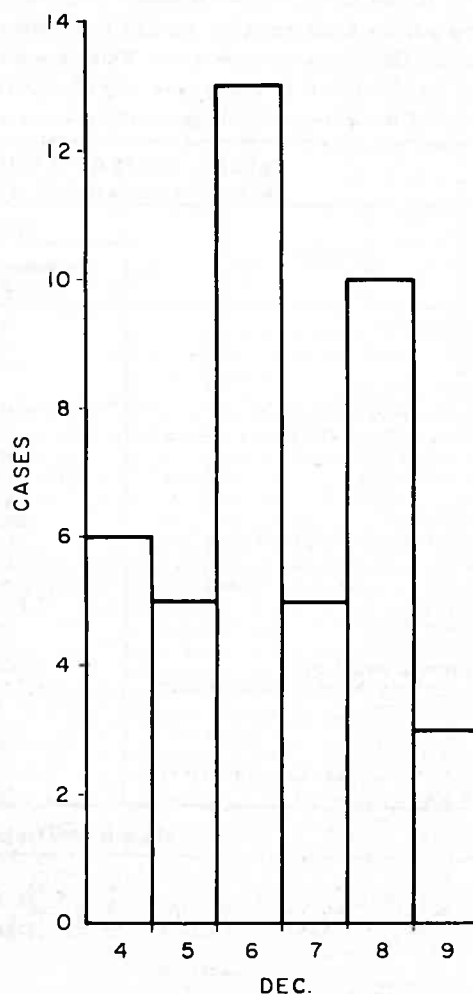
The majority of cases occurred in the 24-hour period between noon December 4 and noon December 5 (Figure 1). Cases occurred in all classrooms but were concentrated in the first and second grades, where absentee rates ranged between 19 and 88 percent. Secondary and tertiary spread to family contacts was documented; onset of illness was spread over a 5-day period (Figure 2). No food is served at the school, and the water is from the Columbus water supply. Stool cultures on 25 ill school children were negative for common bacterial pathogens, and viral studies are in progress. It is of interest that in the early part of the week the three first grades held joint classes as did the two second grades.

The Oklahoma epidemic occurred among freshman girls residing in one dormitory. Of the 300 girls living in the dormitory, 76 (25 percent) became ill over the weekend of

**Figure 1**  
**81 PRIMARY CASES OF GASTROENTERITIS**  
**BY TIME OF ONSET**  
**COLUMBUS, OHIO - DECEMBER 2-6, 1968**



**Figure 2**  
**CASES OF GASTROENTERITIS IN FAMILY CONTACTS**  
**OF PRIMARY CASES BY DAY OF ONSET**  
**COLUMBUS, OHIO - DECEMBER 4-9, 1968**



September 28; 11 were hospitalized. Gastrointestinal illness did not occur in other students, and only three secondary cases, with an average incubation period of 36 hours, could be documented. Sixty-seven (88 percent) of the ill students ate the noon meal in the dormitory cafeteria on Friday, September 27. However, students who did not become ill were not questioned nor were food histories obtained. Bacterial cultures taken of the suspect meal were negative.

Follow-up studies in Norwalk in early December showed a 9.5 percent incidence of gastrointestinal illness in the community after the original investigation. This is significantly higher than the 3 percent incidence found at the time of the epidemic. In this latter survey, attack rates in grade school children (14 percent) and infants (21 per-

cent) were higher than in adults (6 percent) and teenagers (10 percent). No viral or bacterial agents have been isolated to date. Virologic studies continue.

(Reported by Calvin B. Spencer, M.D., Acting Chief, Communicable Disease Division, and Jack H. Russell, D.V.M., Chief, Division of Veterinary Public Health, Ohio Department of Health; Carey B. Paul, M.D., Columbus School System Physician; William Brown, M.D., Deputy Health Commissioner, Columbus Health Department; George F. Linn, M.D., Commissioner of Health, Huron County Department of Health, Norwalk, Huron County, Ohio; R. LeRoy Carpenter, M.D., Director, Division of Epidemiology, Oklahoma State Department of Health; Robert Bowers, M.D., School of Health, University of Oklahoma, Oklahoma City; and a team of EIS Officers.)

CURRENT TRENDS  
GONORRHEA - United States\*

National case reporting of gonorrhea began in the fiscal year ending June 30, 1941; that year, 193,468 cases were reported. Subsequent case totals increased annually to a peak of 400,639 in 1947. After 1947, cases decreased annually to a low of 216,476 cases in 1957. Beginning in 1957, cases increased each year with the exception of 1962 and reached a new high of 431,380 cases in fiscal year 1968, ending June 30, 1968 (Figure 3).

The twofold increase in cases reported between 1957 and 1968 was reflected in cases reported by private medi-

cal facilities as well as in cases reported by tax supported hospitals and venereal disease clinics. Cases reported from private medical facilities during the period from 1957 to 1968 increased by 232 percent (from 37,295 to 123,756) and cases reported by public medical facilities increased by 71 percent (from 179,181 to 307,624).

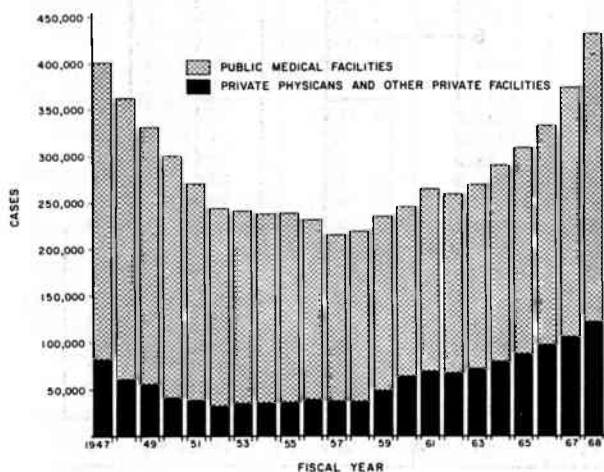
The 431,380 cases reported in the United States in 1968 represented an increase of 55,774 cases or 14.8 percent over the number reported in 1967. In 1968, cases reported from private medical facilities and public medical facilities increased 14.7 and 14.9 percent, respectively.

The total cases reported in 1957, 1967, and 1968 and current case rates are presented in Table 1. The Pacific and New England Divisions reported the largest proportional increase in cases from 1957 to 1968. The only division that reported fewer cases in 1968 than in 1957 was the East South Central Division. Only two states reported fewer cases in 1968 than 1957 and both of these states (Mississippi and Tennessee) are in the East South Central Division.

In 1968, 45 states reported more cases than in 1967. Case rates in 1968 ranged from a high of 425.9 cases per 100,000 population in Georgia to a low of 60.5 cases per 100,000 population in Wyoming.

(Reported by the Venereal Disease Program, NCDC.)

Figure 3  
CIVILIAN CASES OF GONORRHEA, BY REPORTING AGENCY  
UNITED STATES - FISCAL YEARS 1947-1968



\*All yearly totals referred to in this article are fiscal year totals. The fiscal year begins on July 1 of the calendar year and ends on June 30 of the succeeding year.

(See Table 1 on page 480)

Table 1  
Reported Civilian Cases of Gonorrhea and Rates per 100,000 Population  
United States, Selected Fiscal Years

Area	Cases					Cases per 100,000 Population, 1968	
	1957	1967	1968	Percent Change in 1968 from		Rate	Rank
				1957	1967		
UNITED STATES	216,860	375,606	431,380	+ 98.9	+ 14.8	219.2	-
NEW ENGLAND	3,271	10,171	12,475	+281.4	+ 22.7	111.1	
Maine	81	494	862	+964.2	+ 74.5	90.1	40
New Hampshire	43	466	416	+867.4	- 10.7	61.1	49
Vermont	55	265	281	+410.9	+ 6.0	67.7	48
Massachusetts	1,529	4,925	5,816	+280.4	+ 18.1	108.0	37
Rhode Island	187	405	837	+347.6	+106.7	95.7	39
Connecticut	1,376	3,616	4,263	+209.8	+ 17.9	146.4	29
MIDDLE ATLANTIC	22,426	52,238	60,994	+172.0	+ 16.8	165.5	
New York	13,399	36,754	40,194	+200.0	+ 9.4	219.6	16
New Jersey	4,215	4,922	6,891	+ 63.5	+ 40.0	99.2	38
Pennsylvania	4,812	10,562	13,909	+189.0	+ 31.7	119.8	33
EAST NORTH CENTRAL	38,801	77,928	86,130	+122.0	+ 10.5	220.8	
Ohio	7,044	15,797	20,115	+185.6	+ 27.3	192.7	20
Indiana	2,040	5,198	5,855	+187.0	+ 12.6	117.4	35
Illinois	20,023	37,485	39,326	+ 96.4	+ 4.9	363.3	3
Michigan	8,862	16,741	17,283	+ 95.0	+ 3.2	201.8	19
Wisconsin	832	2,707	3,551	+326.8	+ 31.2	84.9	44
WEST NORTH CENTRAL	9,486	20,937	25,564	+169.5	+ 22.1	161.2	
Minnesota	735	2,640	3,113	+323.5	+ 17.9	87.1	43
Iowa	621	3,193	3,710	+497.4	+ 16.2	134.9	30
Missouri	5,214	9,105	11,539	+121.3	+ 26.7	252.8	10
North Dakota	188	455	435	+131.4	- 4.4	69.4	47
South Dakota	443	701	1,041	+135.0	+ 48.5	156.1	27
Nebraska	670	1,356	2,167	+223.4	+ 59.8	152.4	28
Kansas	1,615	3,487	3,559	+120.4	+ 2.1	157.9	26
SOUTH ATLANTIC	64,726	75,392	86,134	+ 33.1	+ 14.2	299.4	
Delaware	411	1,265	1,534	+273.2	+ 21.3	297.9	9
Maryland	7,032	7,228	8,678	+ 23.4	+ 20.1	240.6	12
District of Columbia	9,732	11,615	12,231	+ 25.7	+ 5.3	1,544.3	-
Virginia	6,751	9,282	9,918	+ 46.9	+ 6.9	228.6	14
West Virginia	1,065	1,129	1,259	+ 18.2	+ 11.5	70.1	46
North Carolina	10,652	10,417	11,133	+ 4.5	+ 6.9	226.8	15
South Carolina	6,235	7,765	8,697	+ 39.5	+ 12.0	344.2	4
Georgia	12,851	15,140	18,688	+ 45.4	+ 23.4	425.9	1
Florida	9,997	11,551	13,996	+ 40.0	+ 21.2	237.2	13
EAST SOUTH CENTRAL	27,005	24,705	26,152	- 3.2	+ 5.9	204.0	
Kentucky	3,002	3,670	3,733	+ 24.4	+ 1.7	118.8	34
Tennessee	12,915	11,582	12,166	- 5.8	+ 5.0	315.8	6
Alabama	3,591	4,245	4,565	+ 27.1	+ 7.5	130.3	32
Mississippi	7,497	5,208	5,688	- 24.1	+ 9.2	245.3	11
WEST SOUTH CENTRAL	28,257	44,752	48,255	+ 70.8	+ 7.8	258.4	
Arkansas	4,668	5,996	6,140	+ 31.5	+ 2.4	313.4	7
Louisiana	5,668	5,910	6,307	+ 11.3	+ 6.7	174.3	24
Oklahoma	4,040	3,918	3,923	+ 2.9	+ 0.1	160.4	25
Texas	13,881	28,928	31,885	+129.7	+ 10.2	299.3	8
MOUNTAIN	4,751	10,433	11,152	+134.7	+ 6.9	145.4	
Montana	231	449	524	+126.8	+ 16.7	75.8	45
Idaho	253	954	804	+217.8	- 15.7	115.7	36
Wyoming	63	188	188	+198.4	0.0	60.5	50
Colorado	775	2,471	2,570	+231.6	+ 4.0	133.5	31
New Mexico	861	1,806	1,880	+118.4	+ 4.1	190.9	21
Arizona	2,076	3,157	3,326	+ 60.2	+ 5.4	207.1	18
Utah	229	773	911	+297.8	+ 17.9	89.5	41
Nevada	263	635	949	+260.8	+ 49.4	217.2	17
PACIFIC	18,137	59,050	74,524	+310.9	+ 26.2	301.3	
Washington	1,131	4,765	5,543	+390.1	+ 16.3	183.0	23
Oregon	516	3,163	3,659	+609.1	+ 15.7	183.5	22
California	16,106	49,547	63,783	+296.0	+ 28.7	339.4	5
Alaska	235	1,190	931	+296.2	- 21.8	391.2	2
Hawaii	149	385	608	+308.1	+ 57.9	88.9	42
PUERTO RICO	3,310	2,635	2,481	- 25.1	- 5.9	93.4	-

## INDEX - VOLUME 17 - 1968

**AFRICAN SLEEPING SICKNESS**

- Epidemic Reports
- Florida, 412

**ANTHRAX**

- Epidemic Reports
- California, 279
- Connecticut, 102
- Massachusetts, 198
- Rhode Island, 198

**ARSINE GAS POISONING**

- Epidemic Reports
- New Jersey, 350

**BOTULISM**

- Epidemic Reports
- Alaska, 169
- California, 199, 211, 304, 306, 446
- Michigan, 348
- Summaries
- Annual, 6, 137, 160, 444
- Current, 381
- Trivalent Botulinus Antitoxin, 444

**BOVINE CYSTICERCOSIS**

- Epidemic Reports
- Texas, 140, 168, 241

**BRUCELLOSIS**

- Summary
- Annual, 92

**CADMIUM FOOD POISONING**

- Epidemic Reports
- Minnesota, 320

**CANINE ABORTION, HUMAN INFECTION**

- Epidemic Reports
- New York, 285

**CHEMICAL POISONING**

- Epidemic Reports
- Minnesota, 320
- New Jersey, 350
- Texas, 263, 376
- International Notes
- Middle East (Qatar, Saudi Arabia), 234

**CHINESE FOOD POISONING**

- Epidemic Reports
- Florida, 455

**CHOLERA**

- International Notes, 180
- Recommendation of the PHS Advisory Committee on
- Immunization Practices - Cholera Vaccine, 181

**CLOSTRIDIUM PERFRINGENS**

- Epidemic Reports
- New York, 415
- Washington, 232
- Summaries
- Annual, 137, 160
- Current, 381

**COCCIDIOIDOMYCOSIS**

- Epidemic Reports
- New York, 153, 168

**DIPHTHERIA**

- Epidemic Reports
- Florida, 358
- Georgia, 358
- Texas, 397
- Summary
- Annual, 103

**ECHINOCOCCOSIS**

- Epidemic Reports
- New York, 20

**ENCEPHALITIS, ARTHROPOD-BORNE**

- Epidemic Reports
- Florida, 414
- Illinois, 337
- Kentucky, 346
- Maryland, 328
- New Jersey, 307
- United States, 278, 371
- Summary
- Current, 276, 346

**ENCEPHALITIS, PRIMARY AND POST-INFECTIOUS**

- Summaries
- Annual, 71
- Current, 183

**ENDRIN POISONING**

- International Notes
- Middle East (Qatar, Saudi Arabia), 234

**EXCESS MORTALITY**

- Summary
- Current, 288

**FOODBORNE DISEASE OUTBREAKS**

- Epidemic Reports
- Colorado, 189
- Florida, 7, 455
- Mississippi, 348
- New Jersey, 321, 455
- New York, 452
- Ohio, 418
- Oregon, 222
- Pennsylvania, 121
- Texas, 109
- Washington, 232

- Summaries
- Annual, 137, 160
- Current, 381

**GASTROENTERITIS**

- Epidemic Reports
- Mississippi, 348
- New Jersey, 321, 455
- New York, 452
- Ohio, 434, 478
- Oklahoma, 478
- Oregon, 222

(Continued on page 482)

## INDEX - VOLUME 17 - 1968 (Continued from page 481)

- Pennsylvania, 121  
Texas, 109  
Washington, 232
- GONORRHEA**  
Summary  
Current, 479
- HAND, FOOT, AND MOUTH DISEASE**  
Epidemic Reports  
Maryland, 278  
New York, 279
- HEPATITIS**  
Epidemic Reports  
Michigan, 271, 359  
New Jersey, 298  
Washington, 34  
Recommendation of the PHS Advisory Committee on  
Immunization Practices - Immune Serum Globulin, 290  
Summary  
Current, 122, 390
- INFLUENZA**  
Epidemic Reports  
California, 357  
Georgia, 329  
Hawaii, 357  
Illinois, 43, 396  
Michigan, 23  
Missouri, 43  
New Jersey, 357  
New York, 43  
Ohio, 357  
Pennsylvania, 43, 463  
United States, 425, 433, 441, 453, 461, 469, 477  
Washington, 1, 338  
Washington, D.C., 43, 357  
International Notes  
Australia, 345  
Canal Zone, 32  
Denmark, 31  
Federal Republic of Germany, 31  
France, 31  
Hong Kong, 277, 305, 313  
Indonesia, 329  
Iran, 358  
Italy, 31  
Jamaica, 32  
Japan, 28  
Netherlands, 31, 48  
Norway, 31  
Philippines, 329, 345  
Puerto Rico, 433  
Singapore, 329  
South America (Argentina, Chile), 228  
Sweden, 31  
Switzerland, 31  
Taiwan, 28, 329  
Trinidad, 345  
United Kingdom, 31, 396  
Yugoslavia, 31
- Pneumonia-Influenza Deaths, 244, 4
- Recommendation of the PHS Advisory Committee on  
Immunization Practices - Influenza Vaccines - 1968-  
69, 246; Influenza 1968-69, 323; A2 Influenza Virus  
Vaccine, Monovalent, 1968-69, 368; Chemoprophyl-  
axis, 1968-69, 368  
Summary  
Current, 4, 14, 29, 31 (Laboratory Findings), 43, 50  
57, 244, 369
- KALA-AZAR**  
Epidemic Reports  
Maryland, 110
- LEPTOSPIROSIS**  
Epidemic Reports  
Georgia, 286  
Summary  
Annual, 235
- LISTERIOSIS**  
Summary  
Annual, 383
- MALARIA**  
Epidemic Reports  
Alabama, 314  
California, 270  
Delaware, 34  
Georgia, 286  
Hawaii, 111  
Maryland, 339  
Minnesota, 351  
New York, 211  
Oklahoma, 415  
Texas, 351, 378  
Washington, 297  
Washington, D.C., 149  
International Notes  
Ceylon, 93, 141, 160  
Summary  
Annual, 201
- MARBURG DISEASE**  
International Notes, 223, 252
- MEASLES**  
Epidemic Reports  
California, 230  
Illinois, 70, 101  
Louisiana, 349  
Montana, 112, 136  
New Hampshire, 86  
North Carolina, 476  
Pennsylvania, 446  
Rhode Island, 468  
Utah, 176  
Washington, D.C., 407  
International Notes  
Nigeria, 362  
Summaries  
Annual, 22, 215 (Measles Mortality), 379  
Current, 2, 32, 41, 42, 43, 49, 61, 62, 76, 79, 85, 95,  
102, 113, 123, 129, 153, 163, 168, 182, 200, 201,  
213, 215, 221, 228, 229, 230, 244, 268, 287, 307,  
331, 361, 398, 416,

**MENINGITIS, ASEPTIC****Epidemic Reports**

Florida, 347

Hawaii, 62, 76

**Summary**

Annual, 114

**MENINGOCOCCAL INFECTION****Epidemic Reports**

Florida, 347

Hawaii, 178

Mississippi, 21, 32

Oregon, 111

**International Notes**

Sicily, 56

**Summaries**

Annual, 33

Current, 50, 62, 78, 87, 131, 179, 299

**MENINGOENCEPHALITIS, PRIMARY AMEBIC****Epidemic Reports**

Virginia, 330

**MORBIDITY REPORTING, 312, 356****MUMPS**Recommendation of the PHS Advisory Committee on  
Immunization Practices - Mumps Vaccine, 419**ORGANIC PHOSPHATE POISONING****Epidemic Reports**

Texas, 376

**PARATHION POISONING****Epidemic Reports**

Texas, 263

**PERTUSSIS****Epidemic Reports**

Oregon, 6

**PLAGUE****Epidemic Reports**

Arizona, 269

Colorado, 253, 261, 270

Idaho, 405

**International Notes**

Indonesia, 214

Recommendation of the PHS Advisory Committee on  
Immunization Practices - Plague Vaccine, 171**PNEUMONIA****Epidemic Reports**

South Dakota, 13

**PNEUMONIA, MYCOPLASMA PNEUMONIAE****Epidemic Reports**

Georgia, 413

**PNEUMONIA, PNEUMOCYSTIS CARINII****Epidemic Reports**

New Jersey, 51

**POLIOMYELITIS****Epidemic Reports**

Missouri, 279

Texas, 69, 77

Washington, D.C., 414

**QUARANTINE MEASURES**12, 20, 40, 63, 84, 100, 108, 120, 128, 148, 168,  
188, 203, 252, 304, 412, 424Method of Recording Date of International Certificates  
of Vaccination, 213, 228**RABIES****Epidemic Reports**

Kansas, 389

Pennsylvania, 33

Texas, 152

**RECOMMENDATIONS OF THE PHS ADVISORY COMMITTEE ON IMMUNIZATION PRACTICES**

Cholera, 181

Hepatitis, 290

Influenza, 246, 323, 368

Mumps, 419

Plague, 171

Typhus, 191

**RELAPSING FEVER****Epidemic Reports**

Oregon, 362

Washington, 197

**SALMONELLOSIS****Epidemic Reports**

Florida, 7

Missouri, 330, 371, 470

New Jersey, 321, 455

Pennsylvania, 121

Tennessee, 150, 417

Wisconsin, 231

**International Notes**

Cuba, 427

Salmonella Contamination of Enzymatic Drain Cleaners,  
162**Summaries**

Annual, 137, 160

Current, 79, 208, 220, 360, 381

**SCOMBROID FISH POISONING****Epidemic Reports**

New York, 452

**SHIGELLOSIS****Epidemic Reports**

Ohio, 418

Washington, 180

**Summaries**

Annual, 137, 160

Current, 254, 268, 381

**SMALLPOX****International Notes**

Africa, 339, 447

Uruguay, 460

**STAPHYLOCOCCAL FOOD POISONING****Epidemic Reports**

Mississippi, 348

Texas, 109

**International Notes**

Puerto Rico, 377

**Summaries**

Annual, 137, 160

Current, 381

**STREPTOCOCCAL INFECTION****Epidemic Reports**

Colorado, 189

Vermont, 406

(Continued on page 488)



## Morbidity and Mortality Weekly Report

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

DECEMBER 28, 1968 AND DECEMBER 30, 1967 (52nd WEEK)

AREA	ASEPTIC MENINGITIS		BRUCELLOSIS	DIPHTHERIA	ENCEPHALITIS			HEPATITIS			MALARIA
	1968	1967			Primary including unsp. cases	Post-Infectious	Serum	Infectious			
								1968	1967	1968	
UNITED STATES...	70	29	2	2	21	19	5	86	673	695	53
NEW ENGLAND.....	1	-	-	-	1	-	-	5	31	27	2
Maine.*.....	-	-	-	-	-	-	-	-	4	2	-
New Hampshire.....	-	-	-	-	-	-	-	-	1	3	-
Vermont.....	-	-	-	-	-	-	-	1	-	-	-
Massachusetts.....	-	-	-	-	-	-	-	-	8	9	2
Rhode Island.....	1	-	-	-	-	-	-	-	8	2	-
Connecticut.....	-	-	-	-	1	-	-	4	10	11	-
MIDDLE ATLANTIC.....	11	-	-	-	2	-	-	56	135	104	2
New York City.....	4	-	-	-	1	-	-	49	55	36	-
New York, up-State.....	5	-	-	-	-	-	-	3	15	19	2
New Jersey.....	2	-	-	-	1	-	-	2	29	23	-
Pennsylvania.....	-	-	-	-	-	-	-	2	36	26	-
EAST NORTH CENTRAL...	3	2	1	-	10	1	2	1	98	111	1
Ohio.....	1	-	-	-	4	-	-	-	20	32	-
Indiana.*.....	-	-	-	-	-	1	2	-	7	4	-
Illinois.....	-	-	-	-	1	-	-	-	18	42	-
Michigan.....	1	2	-	-	4	-	-	1	46	27	1
Wisconsin.....	1	-	1	-	1	-	-	-	7	6	-
WEST NORTH CENTRAL...	-	2	-	-	1	5	-	1	28	52	31
Minnesota.....	-	2	-	-	-	1	-	-	5	17	-
Iowa.....	-	-	-	-	-	-	-	-	7	6	-
Missouri.....	-	-	-	-	1	-	-	-	13	25	-
North Dakota.....	-	-	-	-	-	-	-	-	-	2	-
South Dakota.....	-	-	-	-	-	-	-	-	-	-	-
Nebraska.....	-	-	-	-	-	-	-	-	-	-	-
Kansas.....	-	-	-	-	-	4	-	1	3	2	31
SOUTH ATLANTIC.....	4	1	1	1	2	2	-	3	74	65	8
Delaware.....	-	-	-	-	-	-	-	-	1	4	-
Maryland.....	-	-	-	-	-	1	-	-	13	19	1
Dist. of Columbia..	-	-	-	-	-	-	-	-	2	-	-
Virginia.....	1	1	1	-	2	1	-	-	7	25	-
West Virginia.....	-	-	-	-	-	-	-	-	2	-	-
North Carolina.....	-	-	-	-	-	-	-	-	6	5	6
South Carolina.....	-	-	-	-	-	-	-	-	3	-	-
Georgia.....	-	-	-	-	-	-	-	-	6	6	-
Florida.....	3	-	-	1	-	-	-	3	34	6	1
EAST SOUTH CENTRAL...	30	3	-	-	-	2	1	1	20	28	1
Kentucky.....	1	-	-	-	-	-	-	-	11	10	-
Tennessee.....	28	1	-	-	-	-	1	-	1	12	-
Alabama.....	1	-	-	-	-	-	-	1	7	4	1
Mississippi.....	-	2	-	-	-	2	-	-	1	2	-
WEST SOUTH CENTRAL...	1	2	-	-	-	1	-	-	39	55	-
Arkansas.....	-	-	-	-	-	-	-	-	-	-	-
Louisiana.....	-	1	-	-	-	-	-	-	6	14	-
Oklahoma.....	-	-	-	-	-	1	-	-	4	9	-
Texas.*.....	1	1	-	-	-	-	-	-	29	32	-
MOUNTAIN.....	-	2	-	1	4	2	-	-	18	64	7
Montana.....	-	-	-	-	3	-	-	-	9	6	-
Idaho.....	-	-	-	-	-	-	-	-	-	1	-
Wyoming.....	-	2	-	-	-	-	-	-	-	-	-
Colorado.....	-	-	-	-	-	2	-	-	-	34	7
New Mexico.....	-	-	-	-	-	-	-	-	2	11	-
Arizona.....	-	-	-	1	1	-	-	-	4	11	-
Utah.....	-	-	-	-	-	-	-	-	3	1	-
Nevada.....	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	20	17	-	-	1	6	2	19	230	189	1
Washington.....	1	-	-	-	-	-	-	-	13	9	-
Oregon.....	---	1	---	---	---	---	---	---	---	9	---
California.....	19	13	-	-	1	6	2	19	202	171	1
Alaska.....	-	-	-	-	-	-	-	-	12	-	-
Hawaii.....	-	3	-	-	-	-	-	-	3	-	-
Puerto Rico*.....	-	-	-	-	-	-	-	-	17	16	-

\*Delayed Reports: Aseptic Meningitis: Tex. 1

Diphtheria: Tex. 1

Encephalitis, post-infectious: Tex. 1

Hepatitis, serum: Tex. 2

Hepatitis, infectious: Maine 9, Indiana delete 1, Tex. 44, P.R. 5



TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
FOR WEEKS ENDED  
DECEMBER 28, 1968 AND DECEMBER 30, 1967 (52nd WEEK) - CONTINUED

AREA	MEASLES (Rubeola)			MENINGOCOCCAL INFECTIONS, TOTAL			MUMPS	POLIOMYELITIS			RUBELLA	
	1968	Cumulative		1968	Cumulative			1968	Total	Paralytic		
		1968	1967		1968	1967				1968		1967
UNITED STATES...	205	22,527	62,335	17	2,516	2,166	1,611	-	-	57	277	
NEW ENGLAND.....	30	1,351	960	-	139	87	209	-	-	1	19	
Maine.....	-	38	264	-	6	3	14	-	-	-	-	
New Hampshire.....	-	150	78	-	8	4	-	-	-	-	-	
Vermont.....	-	3	34	-	1	2	7	-	-	-	3	
Massachusetts.....	1	388	416	-	74	39	113	-	-	1	9	
Rhode Island.....	-	65	62	-	9	7	18	-	-	-	-	
Connecticut.....	29	707	106	-	41	32	57	-	-	-	7	
MIDDLE ATLANTIC.....	31	4,727	2,653	3	447	357	107	-	-	1	16	
New York City.....	25	2,433	528	1	90	72	24	-	-	-	2	
New York, Up-State.....	1	1,372	678	1	75	87	NN	-	-	1	8	
New Jersey*.....	1	721	658	-	160	111	83	-	-	-	5	
Pennsylvania.....	4	201	789	1	122	87	NN	-	-	-	1	
EAST NORTH CENTRAL...	32	4,261	6,373	5	318	296	370	-	-	11	92	
Ohio.....	2	333	1,220	1	85	96	35	-	-	2	6	
Indiana.....	6	746	678	-	45	32	69	-	-	3	58	
Illinois*.....	8	1,445	1,306	1	72	70	20	-	-	3	1	
Michigan.....	10	353	1,048	2	91	76	74	-	-	3	15	
Wisconsin.....	6	1,384	2,121	1	25	22	172	-	-	-	12	
WEST NORTH CENTRAL...	4	488	3,018	2	141	103	97	-	-	3	27	
Minnesota.....	-	19	139	1	30	23	8	-	-	-	-	
Iowa.....	-	165	825	-	14	22	86	-	-	1	20	
Missouri.....	-	81	340	1	50	22	3	-	-	2	5	
North Dakota.....	-	142	896	-	4	3	-	-	-	-	2	
South Dakota.....	-	4	58	-	5	7	NN	-	-	-	-	
Nebraska.....	4	67	663	-	9	16	-	-	-	-	-	
Kansas.....	-	10	97	-	29	10	-	-	-	-	-	
SOUTH ATLANTIC.....	23	1,819	7,399	3	501	425	89	-	-	3	27	
Delaware.....	3	23	52	-	12	8	-	-	-	-	8	
Maryland.....	1	104	182	-	44	60	4	-	-	-	1	
Dist. of Columbia..	-	6	26	-	17	19	-	-	-	1	-	
Virginia.....	-	425	2,346	-	50	47	14	-	-	-	-	
West Virginia.....	11	337	1,486	-	14	38	30	-	-	1	7	
North Carolina.....	-	322	942	-	99	88	NN	-	-	1	-	
South Carolina.....	1	29	517	-	63	36	8	-	-	-	1	
Georgia.....	-	4	42	2	98	60	-	-	-	-	-	
Florida.....	7	569	1,806	1	104	69	33	-	-	-	10	
EAST SOUTH CENTRAL...	-	508	5,540	-	222	179	55	-	-	1	7	
Kentucky.....	-	107	1,437	-	98	53	25	-	-	1	3	
Tennessee.....	-	65	2,068	-	70	77	30	-	-	-	2	
Alabama.....	-	95	1,357	-	29	32	-	-	-	-	1	
Mississippi.....	-	241	678	-	25	17	-	-	-	-	1	
WEST SOUTH CENTRAL...	66	5,380	18,321	3	363	278	120	-	-	24	14	
Arkansas.....	-	2	1,404	-	21	43	-	-	-	1	-	
Louisiana.....	1	26	159	1	104	105	2	-	-	-	1	
Oklahoma.....	-	132	3,400	-	56	20	15	-	-	2	-	
Texas*.....	65	5,220	13,358	2	182	110	103	-	-	21	13	
MOUNTAIN.....	5	1,100	5,060	-	46	41	121	-	-	1	26	
Montana.....	-	58	339	-	7	6	28	-	-	-	2	
Idaho.....	-	21	413	-	12	3	9	-	-	-	-	
Wyoming.....	-	55	207	-	3	1	-	-	-	-	-	
Colorado.....	1	526	1,771	-	14	13	26	-	-	-	12	
New Mexico.....	4	176	612	-	1	5	19	-	-	-	1	
Arizona*.....	-	235	1,066	-	5	6	34	-	-	1	5	
Utah.....	-	21	383	-	1	4	5	-	-	-	6	
Nevada.....	-	8	269	-	3	3	-	-	-	-	-	
PACIFIC.....	14	2,893	13,011	1	339	400	443	-	-	12	49	
Washington.....	2	607	5,689	1	52	39	17	-	-	1	10	
Oregon.....	---	592	1,717	---	25	32	---	---	---	---	---	
California.....	12	1,648	5,282	-	244	314	394	-	-	11	35	
Alaska.....	-	11	141	-	4	11	22	-	-	-	3	
Hawaii.....	-	35	182	-	14	4	10	-	-	-	1	
Puerto Rico.....	12	524	2,245	-	21	15	13	-	-	-	1	

\*Delayed Reports: Measles: N.J. Delete 1, Tex. 44  
Meningococcal infections: Tex. 2  
Mumps: Tex. 170, Ariz. 2  
Poliomyelitis, paralytic: Ill. 1  
Rubella: Tex. 23, Ariz. delete 1

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
FOR WEEKS ENDED  
DECEMBER 28, 1968 AND DECEMBER 30, 1967 (52nd WEEK) - CONTINUED

AREA	STREPTOCOCCAL SORE THROAT & SCARLET FEVER	TETANUS		TULAREMIA		TYPHOID		TYPHUS FEVER TICK-BORNE (Rky. Mt. Spotted)		RABIES IN ANIMALS	
		1968	Cum. 1968	1968	Cum. 1968	1968	Cum. 1968	1968	Cum. 1968	1968	Cum. 1968
UNITED STATES...	8,273	1	159	-	172	3	405	2	279	36	3,317
NEW ENGLAND.....	1,465	-	4	-	47	-	13	-	2	-	74
Maine*.....	11	-	-	-	-	-	2	-	-	-	55
New Hampshire.....	-	-	1	-	-	-	1	-	-	-	2
Vermont.....	6	-	-	-	47	-	-	-	-	-	11
Massachusetts.....	158	-	1	-	-	-	7	-	2	-	5
Rhode Island.....	47	-	-	-	-	-	-	-	-	-	-
Connecticut.....	1,243	-	2	-	-	-	3	-	-	-	1
MIDDLE ATLANTIC.....	270	-	19	-	10	-	35	-	22	-	55
New York City.....	8	-	11	-	-	-	18	-	-	-	-
New York, Up-State.....	199	-	4	-	7	-	8	-	5	-	45
New Jersey.....	NN	-	1	-	-	-	4	-	7	-	-
Pennsylvania.....	63	-	3	-	3	-	5	-	10	-	10
EAST NORTH CENTRAL...	616	1	18	-	11	-	50	-	9	1	285
Ohio.....	110	-	2	-	1	-	20	-	7	-	93
Indiana.....	79	-	2	-	1	-	7	-	-	-	90
Illinois.....	91	-	8	-	8	-	20	-	2	-	39
Michigan.....	213	1	4	-	1	-	1	-	-	-	17
Wisconsin.....	123	-	2	-	-	-	2	-	-	1	46
WEST NORTH CENTRAL...	373	-	15	-	17	-	46	-	9	6	829
Minnesota.....	5	-	2	-	-	-	2	-	-	1	266
Iowa.....	81	-	4	-	-	-	2	-	1	1	126
Missouri.....	1	-	5	-	8	-	30	-	3	2	126
North Dakota.....	139	-	-	-	-	-	1	-	-	2	137
South Dakota.....	19	-	1	-	3	-	2	-	4	-	97
Nebraska.....	75	-	3	-	1	-	5	-	1	-	27
Kansas.....	53	-	-	-	5	-	4	-	-	-	50
SOUTH ATLANTIC.....	1,023	-	32	-	12	2	66	1	143	9	412
Delaware.....	19	-	-	-	-	-	-	-	-	-	1
Maryland.....	138	-	3	-	-	1	10	-	18	-	6
Dist. of Columbia..	1	-	2	-	-	-	1	-	-	-	2
Virginia.....	486	-	4	-	3	-	10	1	45	6	147
West Virginia.....	151	-	2	-	-	1	1	-	2	1	52
North Carolina.....	10	-	2	-	3	-	4	-	39	-	12
South Carolina*....	61	-	4	-	-	-	4	-	9	-	-
Georgia.....	18	-	3	-	4	-	15	-	27	-	83
Florida.....	139	-	12	-	2	-	21	-	3	2	109
EAST SOUTH CENTRAL...	749	-	19	-	11	-	50	1	58	17	717
Kentucky.....	169	-	1	-	2	-	12	-	10	13	391
Tennessee.....	438	-	8	-	7	-	22	-	39	3	291
Alabama.....	120	-	7	-	-	-	3	-	5	-	28
Mississippi.....	22	-	3	-	2	-	13	1	4	-	7
WEST SOUTH CENTRAL...	668	-	31	-	51	-	54	-	30	1	498
Arkansas.....	-	-	5	-	15	-	20	-	6	-	62
Louisiana.....	1	-	10	-	7	-	6	-	1	-	48
Oklahoma.....	80	-	-	-	12	-	15	-	14	-	125
Texas*.....	587	-	16	-	17	-	13	-	9	1	263
MOUNTAIN.....	2,302	-	1	-	9	-	22	-	5	-	92
Montana.....	35	-	-	-	-	-	-	-	-	-	-
Idaho.....	297	-	-	-	-	-	-	-	1	-	-
Wyoming.....	30	-	-	-	1	-	1	-	-	-	4
Colorado.....	1,368	-	-	-	3	-	5	-	4	-	4
New Mexico.....	196	-	-	-	-	-	9	-	-	-	40
Arizona.....	173	-	1	-	-	-	6	-	-	-	40
Utah.....	203	-	-	-	5	-	-	-	-	-	1
Nevada.....	-	-	-	-	-	-	1	-	-	-	3
PACIFIC.....	807	-	20	-	4	1	69	-	1	2	355
Washington.....	102	-	1	-	-	-	2	-	-	-	2
Oregon.....	---	---	1	---	1	---	5	---	-	---	6
California.....	637	-	18	-	3	1	61	-	1	2	347
Alaska.....	19	-	-	-	-	-	1	-	-	-	-
Hawaii.....	49	-	-	-	-	-	-	-	-	-	-
Puerto Rico.....	-	-	13	-	-	-	5	-	-	-	20

\*Delayed Reports: SST: Maine 122, S.C. 5, Tex. 1,007  
Rabies in Animals: Tex. 3

Week No. TABLE IV. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED DECEMBER 28, 1968

52

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	All Causes		Pneumonia and Influenza All Ages	Under 1 year All Causes	Area	All Causes		Pneumonia and Influenza All Ages	Under 1 year All Causes
	All Ages	65 years and over				All Ages	65 years and over		
NEW ENGLAND:	942	588	117	31	SOUTH ATLANTIC:	1,229	665	106	37
Boston, Mass.-----	283	156	34	7	Atlanta, Ga.-----	113	50	10	7
Bridgeport, Conn.-----	60	40	14	3	Baltimore, Md.-----	272	144	20	4
Cambridge, Mass.-----	38	26	19	1	Charlotte, N. C.-----	42	21	-	3
Fall River, Mass.-----	28	21	1	1	Jacksonville, Fla.-----	76	43	6	6
Hartford, Conn.-----	95	56	13	7	Miami, Fla.-----	126	74	4	4
Lowell, Mass.-----	56	42	3	2	Norfolk, Va.-----	59	32	11	3
Lynn, Mass.-----	30	17	2	-	Richmond, Va.-----	110	55	7	3
New Bedford, Mass.-----	40	26	6	1	Savannah, Ga.-----	30	16	4	-
New Haven, Conn.-----	75	45	5	1	St. Petersburg, Fla.-----	99	80	16	2
Providence, R. I.-----	73	41	5	3	Tampa, Fla.-----	75	41	10	1
Somerville, Mass.-----	21	13	2	-	Washington, D. C.-----	183	89	13	4
Springfield, Mass.-----	46	32	5	2	Wilmington, Del.-----	44	20	5	-
Waterbury, Conn.-----	29	23	-	1	EAST SOUTH CENTRAL:	417	243	25	24
Worcester, Mass.-----	68	50	8	2	Birmingham, Ala.-----	67	34	1	7
MIDDLE ATLANTIC:	4,185	2,451	397	111	Chattanooga, Tenn.-----	37	20	3	3
Albany, N. Y.-----	58	33	3	-	Knoxville, Tenn.*-----	27	19	2	1
Allentown, Pa.-----	36	26	6	2	Louisville, Ky.-----	112	76	11	2
Buffalo, N. Y.-----	208	139	11	6	Memphis, Tenn.-----	87	48	2	2
Camden, N. J.-----	30	15	3	1	Mobile, Ala.-----	32	16	-	2
Elizabeth, N. J.-----	31	19	2	-	Montgomery, Ala.-----	21	12	4	4
Erie, Pa.-----	47	27	5	4	Nashville, Tenn.-----	34	18	2	3
Jersey City, N. J.-----	64	42	6	-	WEST SOUTH CENTRAL:	1,043	554	53	43
Newark, N. J.-----	88	49	16	3	Austin, Tex.-----	38	21	4	2
New York City, N. Y.-----	2,376	1,353	242	56	Baton Rouge, La.-----	48	24	1	1
Paterson, N. J.-----	47	24	1	2	Corpus Christi, Tex.-----	16	10	2	2
Philadelphia, Pa.-----	417	239	11	18	Dallas, Tex.-----	165	88	4	7
Pittsburgh, Pa.-----	190	102	26	6	El Paso, Tex.-----	51	31	5	3
Reading, Pa.-----	81	57	6	3	Fort Worth, Tex.-----	77	46	7	3
Rochester, N. Y.-----	148	93	23	3	Houston, Tex.-----	141	58	2	4
Schenectady, N. Y.-----	42	24	2	1	Little Rock, Ark.-----	40	25	5	-
Scranton, Pa.-----	55	40	8	-	New Orleans, La.-----	184	87	9	4
Syracuse, N. Y.-----	115	69	7	2	Oklahoma City, Okla.-----	77	43	2	4
Trenton, N. J.-----	59	36	4	-	San Antonio, Tex.-----	112	66	9	7
Utica, N. Y.-----	36	28	6	2	Shreveport, La.-----	50	26	1	5
Yonkers, N. Y.-----	57	36	9	2	Tulsa, Okla.-----	44	29	2	1
EAST NORTH CENTRAL:	3,244	1,851	280	146	MOUNTAIN:	557	332	64	19
Akron, Ohio-----	96	54	5	3	Albuquerque, N. Mex.-----	64	28	12	6
Canton, Ohio-----	46	30	5	1	Colorado Springs, Colo.-----	38	23	4	1
Chicago, Ill.-----	982	516	76	43	Denver, Colo.-----	120	70	7	4
Cincinnati, Ohio-----	148	96	7	5	Ogden, Utah-----	15	8	2	-
Cleveland, Ohio-----	265	143	30	14	Phoenix, Ariz.-----	172	104	20	2
Columbus, Ohio-----	154	90	4	6	Pueblo, Colo.-----	27	17	7	-
Dayton, Ohio-----	110	61	9	4	Salt Lake City, Utah-----	58	36	3	4
Detroit, Mich.-----	517	299	63	18	Tucson, Ariz.-----	63	46	9	2
Evansville, Ind.-----	34	19	4	-	PACIFIC:	1,523	914	69	61
Flint, Mich.-----	53	31	19	5	Berkeley, Calif.-----	23	20	2	-
Fort Wayne, Ind.-----	52	33	3	2	Fresno, Calif.-----	67	43	2	5
Gary, Ind.-----	55	26	5	2	Glendale, Calif.-----	29	20	1	-
Grand Rapids, Mich.-----	55	43	5	1	Honolulu, Hawaii-----	53	26	2	3
Indianapolis, Ind.-----	182	103	10	8	Long Beach, Calif.-----	103	63	6	-
Madison, Wis.-----	25	15	2	2	Los Angeles, Calif.-----	379	239	19	11
Milwaukee, Wis.-----	131	82	13	19	Oakland, Calif.-----	81	51	3	4
Peoria, Ill.-----	46	21	2	1	Pasadena, Calif.-----	34	20	1	1
Rockford, Ill.-----	55	31	7	3	Portland, Ore.-----	115	77	2	5
South Bend, Ind.-----	27	18	4	1	Sacramento, Calif.-----	71	39	2	8
Toledo, Ohio-----	126	85	5	8	San Diego, Calif.-----	99	52	4	3
Youngstown, Ohio-----	85	55	2	-	San Francisco, Calif.-----	195	113	9	4
WEST NORTH CENTRAL:	924	565	57	33	San Jose, Calif.-----	48	29	3	3
Des Moines, Iowa-----	59	42	5	2	Seattle, Wash.-----	128	64	5	11
Duluth, Minn.-----	24	13	3	1	Spokane, Wash.-----	67	40	8	3
Kansas City, Kans.-----	41	23	3	2	Tacoma, Wash.-----	31	18	-	-
Kansas City, Mo.-----	181	110	8	7	Total	14,064	8,163	1,168	505
Lincoln, Nebr.-----	20	15	2	1	Cumulative Totals				
Minneapolis, Minn.-----	116	69	9	6	including reported corrections for previous weeks				
Omaha, Nebr.-----	86	47	4	4	All Causes, All Ages-----	665,999			
St. Louis, Mo.-----	252	140	11	6	All Causes, Age 65 and over-----	382,536			
St. Paul, Minn.-----	82	59	6	4	Pneumonia and Influenza, All Ages-----	27,550			
Wichita, Kans.-----	63	47	6	-	All Causes, Under 1 Year of Age-----	31,176			

\*Estimate - based on average percent of divisional total.

## INDEX - VOLUME 17 - 1968 (Continued from page 483)

## Summaries

Annual, 137, 160  
Current, 381

## SYPHILIS

## Epidemic Reports

Alabama, 322

## Summaries

Annual, 426  
Current (Tables), 14, 60, 95, 130, 170, 212, 255, 363,  
407, 426, 471

## TAENIASIS

## Epidemic Reports

Rhode Island, 209

## TETANUS

## Summary

Annual, 131, 152, 168, 179

## TICK PARALYSIS

## Epidemic Reports

Oregon, 286

## TRICHINOSIS

## Epidemic Reports

Hawaii, 260  
Ohio, 210, 228

## Summary

Annual, 289

## TUBERCULOSIS

## Epidemic Reports

Georgia, 298  
New York, 270

## Summaries

Annual, 114, 398  
Current, 94

## TULAREMIA

## Epidemic Reports

Georgia, 243  
New York, 177, 263  
Vermont, 161, 190, 262

## TYPHOID FEVER

## Epidemic Reports

Missouri, 330, 371, 470  
Tennessee, 150, 417

## International Notes

Cuba, 427

## TYPHUS, LOUSE-BORNE

Recommendation of the PHS Advisory Committee on  
Immunization Practices - Typhus Vaccine, 191

## TYPHUS, MURINE

## Epidemic Reports

Maryland, 348

## TYPHUS, SCRUB, SUSPECT

## Epidemic Reports

Kansas, 379

## UNKNOWN ETIOLOGY

## Epidemic Reports

African Monkeys, Germany, See, Marburg Disease  
Febriile Illness, Michigan, 315  
Gastrointestinal Illness, Ohio, 434, 478; Oklahoma, 478

## VACCINIA

## Epidemic Reports

Indiana, 336

## VACCINIA NECROSUM

## Epidemic Reports

Oregon, 312

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NOTE: THE DATA IN THIS REPORT ARE PROVISIONAL AND ARE BASED ON WEEKLY TELEGRAMS TO THE NCDC BY THE INDIVIDUAL STATE HEALTH DEPARTMENTS. THE REPORTING WEEK CONCLUDES AT CLOSE OF BUSINESS ON FRIDAY; COMPILED DATA ON A NATIONAL BASIS ARE RELEASED ON THE SUCCEEDING FRIDAY.

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