

# Morbidity and Mortality



U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE / PUBLIC HEALTH SERVICE HEALTH SERVICES AND MENTAL HEALTH ADMINISTRATION  
 DATE OF RELEASE: JANUARY 7, 1972 - ATLANTA, GEORGIA 30333

**EPIDEMIOLOGIC NOTES AND REPORTS**  
**DIPHTHERIA - Oregon**

On Oct. 10, 1971, a 7-year-old boy from northwest Portland, Oregon, was seen in the outpatient clinic of a local hospital with a 2-day history of high fever and sore throat. On examination, he was found to have exudative tonsillitis. A pharyngeal swab was obtained for culture, and he was treated with penicillin intramuscularly and released on oral erythromycin therapy. On October 15, the Oregon State Public Health Laboratory confirmed the isolation of toxigenic *Corynebacterium diphtheriae*, intermedius type, from the pharyngeal swab.

The patient's household contacts include his mother, father, and four siblings aged 5-11 years. The 5-year-old sister had complained of a sore throat approximately 1 week prior to the patient's illness. She recovered in 2 days without treatment. Cultures of specimens from all family members revealed that the 5-year-old sister and her 11-year-old asymptomatic brother were both harboring toxigenic *C.*

**CONTENTS**

Epidemiologic Notes and Reports  
 Diphtheria - Oregon ..... 467  
 Salmonellosis - Alabama ..... 470  
 Malaria - Alabama ..... 478  
 Current Trends  
 Influenza - United States, 1972 ..... 468  
 Index - Volume 20 - 1971 ..... 470

*diphtheriae*, intermedius type. Treatment of both with intramuscular penicillin led to eradication of carriage in the girl. The boy became culture-negative only after a subsequent course of oral erythromycin. Immunization status by history was adequate for all except the two symptomatic children. Both had a history of having received only one injection of diphtheria-tetanus-pertussis (DTP) vaccine in February 1970.

All children in the family attend the same neighborhood school except the 7-year-old boy who attends a school for handicapped children. Throat specimens were obtained for  
 (Continued on page 468)

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

DISEASE	52nd WEEK ENDED		MEDIAN 1966 - 1970	CUMULATIVE, FIRST 52 WEEKS		
	January 1, 1972	January 2, 1971		1971	1970	MEDIAN 1966 - 1970
Aseptic meningitis	60	77	29	5,130	6,178	3,485
Brucellosis	6	6	7	171	218	232
Diphtheria	3	4	10	202	442	214
Encephalitis, primary:						
Arthropod-borne & unspecified	18	29	23	1,530	1,582	1,582
Encephalitis, post-infectious	2	5	7	55	372	465
Hepatitis, serum	190	190	89	7,846	7,388	4,715
Hepatitis, infectious	1,016	1,100	691	60,868	58,841	45,578
Malaria	16	85	55	2,850	3,603	2,870
Measles (rubeola)	326	563	312	75,007	47,432	47,432
Meningococcal infections, total	26	61	53	2,176	2,491	2,521
Civilian	26	39	39	1,953	2,166	2,035
Military	-	22	2	223	325	258
Mumps	1,417	1,549	-	121,550	102,185	-
Poliomyelitis, total	-	-	2	12	30	53
Paralytic	-	-	2	0	28	37
Rubella (German measles)	191	303	303	43,088	55,281	48,446
Tetanus	3	3	3	472	138	166
Tularemia	2	2	3	180	164	169
Typhoid fever	4	3	4	415	357	371
Typhus, tick-borne (Rky. Mt. spotted fever)	1	-	2	404	339	300
Rabies in animals	69	64	60	3,874	3,030	3,363

**TABLE II. NOTIFIABLE DISEASES OF LOW FREQUENCY**

	Cum.		Cum.
Anthrax	4	Psittacosis	37
Botulism: Calif.-2	17	Rabies in Man	1
Leprosy: Calif.-6	119	Rubella congenital syndrome: Calif.-2	58
Leptospirosis: Calif.-1, Okla.-1	44	Trichinosis: Mass.-1, Ohio-1	101
Plague	1	Typhus, murine	23

## DIPHTHERIA — (Continued from front page)

culture from all 18 children in the latter school. In the neighborhood school, specimens were obtained from 16 kindergarten contacts of the 5-year-old child and from every fourth student in the remaining grades 1-6. All 127 cultures were negative (Table 1). Both schools held immunization clinics on October 21. Of 430 in the two student populations, 330 (everyone who gave permission) were vaccinated with tetanus-diphtheria toxoid (Td). Of the remaining 100 students, nearly all had been previously vaccinated. An evening clinic on October 21 for the residents of northwest Portland (population approximately 15,000) was attended by 455 persons.

An immunization survey of Multnomah County school children was conducted by the Multnomah County Department of Medical Services in September 1971 in which questionnaires were sent to the homes of all students in grades 1 and 9. About 75 percent of the questionnaires were returned. The survey showed that 60 percent of the children in the first grade and 79 percent of those in the ninth grade had received at least three previous injections of diphtheria toxoid. Efforts to immunize the remaining children are underway. The Multnomah County Department of Medical Services with assistance from the Oregon State Health Division and the Immunization Branch, CDC, conducted a county-wide immunization program for diphtheria, pertussis, tetanus, and polio on November 16 and 17. A total of 9,394 persons were vaccinated (county population 556,000). Another mass program is scheduled for Jan. 11, 1972.

(Reported by Gilbert Haines, Microbiologist, Good Samaritan Hospital, Portland, Oregon; Walter A. Goss, M.D., Health Officer, Friedrich B. Miller, M.D., Assistant Health Officer, Frank M. Watts, D.V.M., Acting Epidemiologist, Billie Odegaard, R.N., Director of Nursing, Multnomah County Department of Medical Services, Oregon; Gatlin R. Brandon, Director, Oregon State Public Health Laboratory, Samuel B. Osgood, M.D., Epidemiologist, Oregon State Health Division; a Public Health Advisor; and an EIS Officer.)

Table 1  
Throat-Culture Positivity Among Contacts with Varying Relationships to Two Diphtheria Cases  
Portland, Oregon — October 1971

Nature of Contact	Number Cultured	Number Positive	Percent
Household	6	2	33
Classmates	34	0	0
Schoolmates in other grades	93	0	0

## Editorial Note

The effective control of diphtheria in a community is dependent not only upon maintenance of adequate immunization levels but also upon the identification and treatment of asymptomatic carriers. This investigation illustrates that while obtaining nasal and pharyngeal swabs for culture from household and other intimate contacts is advisable, obtaining swabs from persons with less intimate contact, such as schoolmates of isolated cases, is far less likely to detect carriers. Results similar to those noted above were obtained in the investigation of a diphtheria outbreak in northern Arizona in 1971 in which only one of 132 school contacts (0.8 percent) cultured was shown to be positive for toxigenic *C. diphtheriae*. Given the circumstances of multiple cases occurring among children attending a single school, however, culture surveys of school contacts may be very important, as illustrated in an outbreak in Elgin, Texas, where 15 cases of diphtheria occurred among children attending one school. In this outbreak, 89 of 291 school contacts (30.6 percent) were found to be infected with the organism.

CURRENT TRENDS  
INFLUENZA — United States, 1972

The third influenza telephone survey of state epidemiologists was conducted on Jan. 3-4, 1972, by the Viral Diseases Branch, Epidemiology Program, CDC. Febrile, respiratory illness was reported in the District of Columbia, New York City, Puerto Rico, and 20 states: Arkansas, California, Delaware, Florida, Idaho, Louisiana, Maryland, Massachusetts, Minnesota, Mississippi, Missouri, Montana, Nebraska, New Hampshire, New Mexico, North Carolina, Pennsylvania, South Carolina, West Virginia, and Wyoming. It must be emphasized that these cases have not been confirmed as influenza. For example, in Florida, paired sera from 20 persons with a respiratory illness showed no evidence of influenza infection.

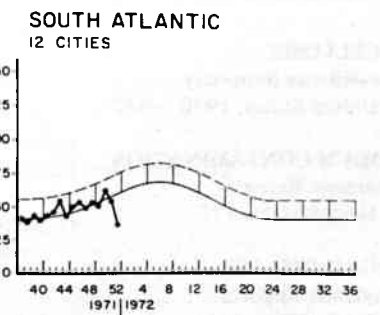
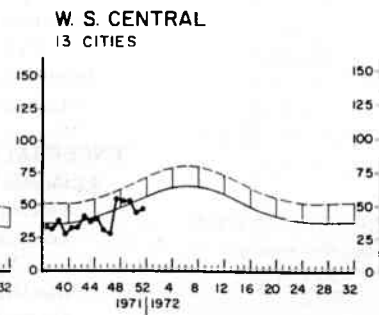
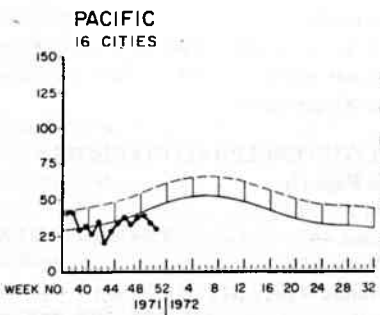
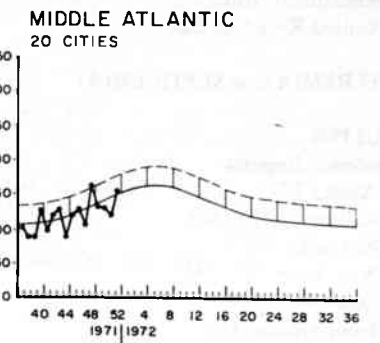
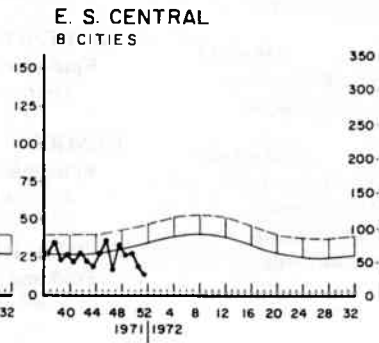
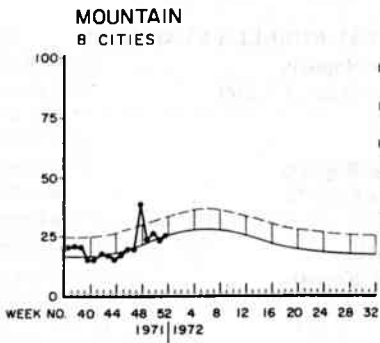
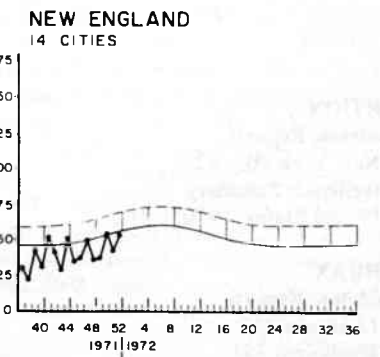
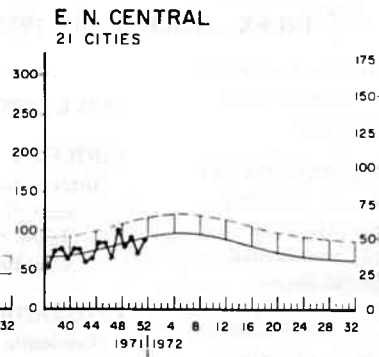
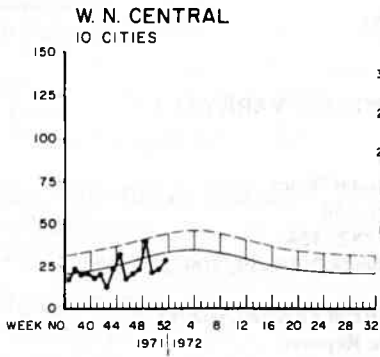
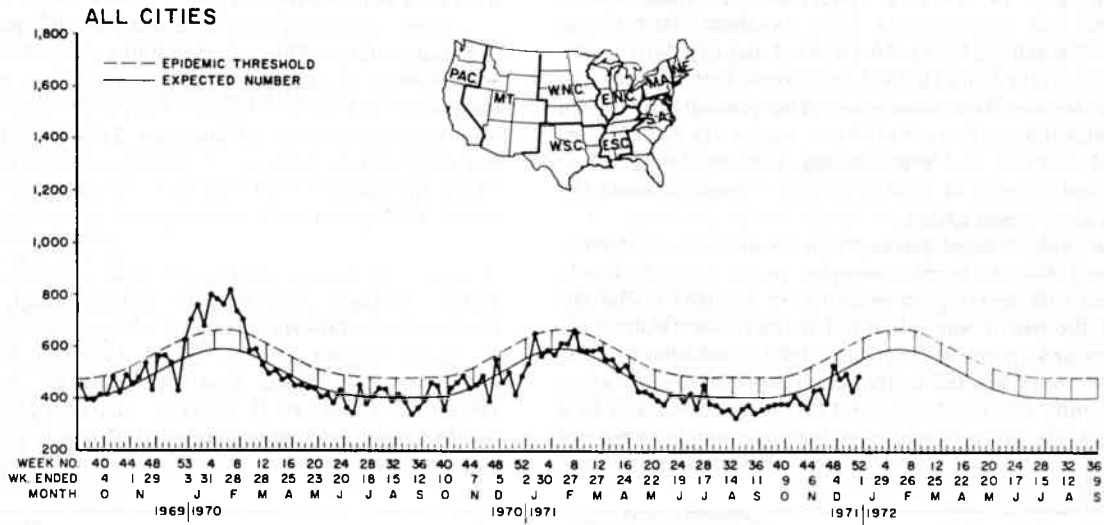
Influenza A2 virus was documented as the cause of isolated cases or outbreaks in 11 states: Colorado, Kansas, Illi-

nois, Iowa, Maine, New York, Ohio, Oregon, South Dakota, Texas, and Utah. In addition, Michigan and Wisconsin reported influenza involving contiguous counties but not more than half the state's population. Widespread influenza was reported in Connecticut, northern and central New Jersey, and Rhode Island.

Because of the Christmas holidays, school absentee data are not available. Industrial absenteeism was not unusually high. The clinical disease appears generally milder than that seen previously with A2/Hong Kong virus. There has been no rise in excess mortality due to pneumonia and influenza as reported from 122 cities (Figure 1).

(Reported by the Viral Diseases Branch, Epidemiology Program, CDC.)

Figure 1  
PNEUMONIA-INFLUENZA DEATHS IN 122 UNITED STATES CITIES



**EPIDEMIOLOGIC NOTES AND REPORTS**  
**SALMONELLOSIS — Alabama**

On Aug. 14, 1971, a 37-year-old man from Mobile, Alabama, had onset of high fever, explosive diarrhea, and persistent vomiting; he was hospitalized that day. Stool specimens sent to the State Health Laboratories were cultured and yielded *Salmonella typhimurium*. The patient was treated with ampicillin (500 mg four times a day). He made an uneventful recovery and was discharged on August 27. Two subsequent cultures of stool specimens in November and December 1971 were negative.

An epidemiologic investigation revealed that a recently purchased Amazon parrot belonging to the patient's family had died with severe gastroenteritis on August 14. The carcass of the parrot was submitted to the State Health Laboratories and found to be positive for *S. typhimurium*. The rest of its food was fed to the family's pet chipmunk which subsequently became drowsy and had slight diarrhea; it died on August 19. No specimens from the chipmunk or the parrot

food were available for culture.

Stool specimens were obtained from the patient's wife and four children. Three of the children were found to have asymptomatic *S. typhimurium* infections. These children and the patient had fed and handled the parrot, suggesting that it was the original source of infection. Samples of parrot food and cage droppings from two other parrots at the pet store where the family's bird had been purchased were also obtained. Cultures of these were negative for enteric pathogens.

*(Reported by Leon V. McVay, Jr., M.D., attending physician, Mobile, Alabama; John E. Cutts, D.V.M., Chief, Division of Epidemiology, Lois Hawkins, R.N., Disease Investigator, Public Health Nursing Section, G. W. Newburn, M.D., Health Officer, Mobile County Health Department, Alabama; and Thomas H. Hosty, Ph.D., Director, Alabama Department of Health Laboratories, Montgomery, Alabama.)*

**INDEX — VOLUME 20 — 1971**

**ABORTION**

## Epidemic Reports

New York 208, 222

## Surveillance Summary

United States, 1970 — 412

**ANTHRAX**

## Epidemic Reports

Louisiana 412

Mississippi 351

## International Notes

United Kingdom 224

**BACTEREMIA (see SEPTICEMIA)****BOTULISM**

## Epidemic Reports

Alaska 371

California 183, 395

Nebraska 453

New York 242, 258

Ohio 376

Pennsylvania 315

United States 302, 356

**BRUCELLOSIS**

## Surveillance Summary

United States, 1970 — 437

**CADMIUM CONTAMINATION**

## Epidemic Reports

United States 177

**CHAGAS' DISEASE**

## Epidemic Reports

Georgia 84

**CHICKENPOX (see VARICELLA)****CHOLERA**

## International Notes

Europe 338

Spain 282, 324

Worldwide 2, 19, 59, 209, 244, 292

**CLOSTRIDIUM PERFRINGENS**

## Epidemic Reports

Georgia 67

**CONGENITAL RUBELLA SYNDROME**

## Epidemic Reports

United States 17, 269

**DENGUE**

## Epidemic Reports

Puerto Rico 74

**DIPHThERIA**

## Epidemic Reports

Arizona 53, 373

California 405

Oregon 467

## Current Trends

United States, 1970 — 114

## International Notes

United Kingdom 98

**ENCEPHALITIS (ENCEPHALOMYELITIS)**

## Epidemic Reports

Florida 284, 411

Louisiana 444

New York 324

Rio Grande Valley 315

Texas 251, 259, 267, 275, 285, 295, 310, 317

**International Notes**

Mexico and Texas 243

**EPIDEMIC KERATOCONJUNCTIVITIS****Epidemic Reports**

Alabama 384

**FEBRILE UPPER RESPIRATORY DISEASE****Epidemic Reports**

Massachusetts 9

**FILARIASIS****International Notes**

United States 58

**GASTROENTERITIS****Epidemic Reports**

California 332

Georgia 67

Maryland 356, 370

United States 253, 261, 427, 445

West Virginia 223

**GIARDIASIS****International Notes**

United States 58

**GONORRHEA****Current Trends**

United States, FY 1969-1971 - 443

**HAND, FOOT, AND MOUTH DISEASE****Epidemic Reports**

Michigan 403

**HEMORRHAGIC FEVER****International Notes**

Bolivia 162, 170

**HEPATITIS****Epidemic Reports**

California 128

Florida 236

Kentucky 136

Tennessee 357

**Current Trends**

Routine Testing in Blood Banks for the Hepatitis-

Associated Antigen 123

**Surveillance Summary**

United States, July 1970-January 1971 - 154

**IMMUNIZATION****Current Trends**

United States, 1970 - 114

United States, 1971 - 435

**IMPORTED DISEASE****International Notes**

United States 58

**IMMUNIZATION SURVEY****Epidemic Reports**

Alaska 165

Connecticut 445

Massachusetts 9

Michigan 18

Trust Territory of the Pacific Islands 420

Washington 144

**Current Trends**

United States 1, 26, 39, 55, 103, 122, 419, 458, 468

**International Notes**

United Kingdom 24

**ISONIAZID AND LIVER DISEASE****Current Trends**Summary of the Report of the *Ad Hoc* Advisory

Committee on Isoniazid and Liver Disease 231

**KALA-AZAR****International Notes**

United States 58

**LASSA VIRUS****International Notes**

United States 59

**LEAD POISONING****Epidemic Reports**

Oregon 199, 222, 250

**LEISHMANIASIS****International Notes**

United States 58

**LEPTOSPIROSIS****Epidemic Reports**

Texas 93, 405

**Surveillance Summary**

United States, 1970 - 460

**LISTERIOSIS****International Notes**

United Kingdom 200

**LOIASIS****Epidemic Reports**

Washington, D.C. 277

**MALARIA****Epidemic Reports**

Alabama 478

Arkansas 66

California 47, 99, 125, 305, 362

Illinois 164

New York 176

North Carolina 164

Puerto Rico 385

Texas 75, 184

Washington, D.C. 193

**International Notes**

United States 58

**Surveillance Summary**

United States and Puerto Rico 215

**MEASLES (RUBEOLA)****Epidemic Reports**

Alabama 115

(Continued on page 472)

## INDEX - VOLUME 20 - 1971 - (Continued from page 471)

- Arkansas 46, 284  
 Connecticut 164  
 Indiana 154  
 South Dakota 25  
 Texas 46, 191
- Current Trends**  
 United States 114
- Surveillance Summary**  
 United States, 1969-70 - 33  
 United States, 1970-71 - 111, 143, 193, 237, 293, 429
- MENINGITIS, ASEPTIC**  
**Surveillance Summary**  
 United States, 1969 - 10
- MENINGITIS, MENINGOCOCCAL**  
**Epidemic Reports**  
 Massachusetts 103, 122  
 Oregon 323  
 Washington 268  
**Surveillance Summary**  
 United States, EY 1971 - 372
- MENINGOENCEPHALITIS, PRIMARY AMEBIC**  
**Epidemic Reports**  
 California 217  
 Pennsylvania 453
- METHEMOGLOBINEMIA**  
**Epidemic Reports**  
 Washington, D.C. 92
- MONKEYPOX**  
**International Notes**  
 Liberia 65  
 Sierra Leone 65
- MYCOPLASMA PNEUMONIAE**  
**International Notes**  
 United Kingdom, 1970 - 461
- ONCHOCERCIASIS**  
**Epidemic Reports**  
 Pennsylvania 253  
 Washington, D.C. 73  
**International Notes**  
 United States 58
- PARATHION POISONING**  
**Epidemic Reports**  
 North Carolina 38
- PASTEURILLA MULTOCIDA INFECTION**  
**Epidemic Reports**  
 Oregon 385
- PLAGUE**  
**Epidemic Reports**  
 Colorado 250  
 New Mexico 283  
 Oregon 303  
 Washington 39, 190  
**International Notes**  
 Bolivia 126
- POISONINGS**  
**Epidemic Reports**  
 Florida 364  
 North Carolina 38  
 Oregon 199, 222, 250  
 United States 177
- POLIOMYELITIS**  
**Current Trends**  
 United States, 1970 - 114  
**International Notes**  
 Argentina 150  
 Worldwide 312  
**Surveillance Summary**  
 United States, 1970 - 388
- PSITTACOSIS**  
**Surveillance Summary**  
 United States, 1970 - 295
- QUARANTINABLE DISEASES**  
**International Notes**  
 North and South America 201
- QUARANTINE MEASURES**  
**International Notes** 64, 67, 80, 90, 127, 129, 198, 206,  
 222, 230, 266, 282, 285, 316, 325, 333, 370, 377, 353,  
 410, 434
- RABIES**  
**Epidemic Reports**  
 California 135, 144  
 New Jersey 459  
 Ohio 54  
**International Notes**  
 Mexico 176  
**Surveillance Summary**  
 United States, February 1971 - 153  
 United States, June and Second Quarter 1971 - 354
- RECOMMENDATIONS OF THE PHS ADVISORY COMMITTEE ON IMMUNIZATION PRACTICES**  
 Combination Live Virus Vaccines 145  
 Diphtheria and Tetanus Toxoids and  
 Pertussis Vaccine 396  
 Influenza Vaccine 260  
 Measles Vaccines 386  
 Rubella Virus Vaccine 304
- RECOMMENDATION OF THE PUBLIC HEALTH SERVICE ON SMALLPOX VACCINATION 339**
- RESPIRATORY ILLNESS (see INFLUENZA)**
- REYE'S SYNDROME**  
**Epidemic Reports**  
 New England 101  
 New York 101
- RUBELLA**  
**Epidemic Reports**  
 Bermuda 207

United States 17

Wyoming 83

**Current Trends**

United States 100

**Surveillance Summary**

United States, 1970-71 - 420

**SALMONELLOSIS****Epidemic Reports**

Alabama 470

California 322

Connecticut 45

Illinois 154

Maine 311

New Jersey 102

Oklahoma 225

Pennsylvania 363

Tennessee 116

United States 152, 428

Utah 36

Washington 93, 136, 291

**International Notes**

Germany 217

United Kingdom 137, 428

United States 58

**Surveillance Summary**

United States, 1970 - 374

**SCABIES****Epidemic Reports**

Maine 445

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

Florida 364

**SEPTICEMIA****Epidemic Reports**

United States 81, 91, 110

**SHIGELLOSIS (including SHIGA DYSENTERY)****Epidemic Reports**

Arizona 437

California 75

Florida 245

New Jersey 389

New York 389

North Carolina 37

Northeastern United States 397

Washington 291

**Surveillance Summary**

United States, Fourth Quarter 1970 - 234

**SMALLPOX****Epidemic Reports**

New Hampshire 151

**Current Trends**

United States 339

**International Notes**

Cuba 383

South America 451

United States 126

Worldwide 2, 36, 163, 171, 364, 451

**STAPHYLOCOCCAL FOODBORNE DISEASE****Epidemic Reports**Kentucky 185<sup>1</sup>

United States 253

**International Notes**

United Kingdom 236

**SYPHILIS****Epidemic Reports**

Oklahoma 32

**International Notes**

Cuba 383

**Summary**Current 3, 52, 85, 126, 177, 214, 274, 294, 325,  
377, 426, 450**TRICHINOSIS****Epidemic Reports**

California 8

Idaho 8

**TRYPANOSOMIASIS****International Notes**

United States 58

**TUBERCULOSIS****Epidemic Reports**

Florida 182, 198

**TULAREMIA****Epidemic Reports**

Alabama 85

Utah 252

**TYPHOID FEVER****Epidemic Reports**

Pennsylvania 363

United States 428

**VACCINE REACTIONS****Epidemic Reports**

Florida 216

**VACCINIA****International Notes**

United Kingdom 38

**VARICELLA (CHICKENPOX)****Epidemic Reports**

Georgia 127

Minnesota 384

New Hampshire 151

**VIBRIO PARAHAEMOLYTICUS GASTROENTERITIS****Epidemic Reports**

Maryland 356

**VENEZUELAN EQUINE ENCEPHALITIS**

(see ENCEPHALITIS)

**YELLOW FEVER****International Notes**

Africa and South America 331

**ZOSTER IMMUNE GLOBULIN (ZIG)****Current Trends**

United States 352

## Morbidity and Mortality Weekly Report

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED  
JANUARY 1, 1972 AND JANUARY 2, 1971 (52nd WEEK)

AREA	ASEPTIC MENIN- GITIS	BRUCEL- LOSIS	DIPH- THERIA	ENCEPHALITIS			HEPATITIS			MALARIA	
				Primary including unsp. cases		Post In- fectious	Serum	Infectious		1971	Cum. 1971
				1971	1970	1971	1971	1971	1970		
UNITED STATES.....	60	6	3	18	29	2	190	1,016	1,100	16	2,850
NEW ENGLAND.....	-	-	-	-	3	-	2	35	105	-	83
Maine.....	-	-	-	-	-	-	-	3	4	-	5
New Hampshire.....	-	-	-	-	-	-	-	1	7	-	-
Vermont.....	-	-	-	-	-	-	-	6	29	-	1
Massachusetts.....	-	-	-	-	-	-	1	15	28	-	57
Rhode Island.....	-	-	-	-	2	-	-	-	17	-	8
Connecticut.....	-	-	-	-	1	-	1	10	20	-	12
MIDDLE ATLANTIC.....	23	-	-	2	2	-	70	197	229	2	273
New York City.....	13	-	-	-	-	-	31	43	43	2	26
New York, Up-State...	8	-	-	1	-	-	12	27	112	-	75
New Jersey.....	2	-	-	1	1	-	19	76	34	-	115
Pennsylvania.....	-	-	-	-	1	-	8	51	40	-	57
EAST NORTH CENTRAL.....	9	-	-	8	9	-	28	157	159	3	198
Ohio.....	2	-	-	4	22	-	5	11	36	1	27
Indiana.....	-	-	-	-	-	-	-	6	-	-	15
Illinois.....	-	-	-	2	4	-	11	65	41	-	62
Michigan.....	5	-	-	2	3	-	12	67	73	2	59
Wisconsin.....	2	-	-	-	-	-	-	8	9	-	35
WEST NORTH CENTRAL.....	2	1	-	-	3	1	2	34	78	-	261
Minnesota.....	2	-	-	-	2	1	1	2	11	-	39
Iowa.....	-	1	-	-	-	-	-	2	4	-	28
Missouri.....	-	-	-	-	-	-	-	11	19	-	29
North Dakota.....	-	-	-	-	-	-	-	1	2	-	3
South Dakota.....	-	-	-	-	-	-	-	2	-	-	3
Nebraska.....	-	-	-	-	-	-	-	4	2	-	14
Kansas.....	-	-	-	-	1	-	1	12	40	-	145
SOUTH ATLANTIC.....	2	-	1	3	3	-	12	151	141	-	422
Delaware.....	-	-	-	-	-	-	1	1	1	-	3
Maryland.....	1	-	-	-	-	-	6	11	25	-	54
Dist. of Columbia....	-	-	-	-	-	-	-	-	-	-	4
Virginia.....	-	-	-	-	-	-	2	23	16	-	68
West Virginia.....	-	-	-	-	-	-	-	8	10	-	7
North Carolina.....	-	-	-	2	-	-	2	49	19	-	148
South Carolina.....	-	-	-	-	-	-	-	7	13	-	20
Georgia.....	-	-	-	-	-	-	-	15	39	-	74
Florida.....	1	-	1	1	3	-	1	37	18	-	44
EAST SOUTH CENTRAL.....	9	2	-	-	-	-	1	43	48	-	303
Kentucky.....	-	-	-	-	-	-	1	14	13	-	270
Tennessee.....	1	1	-	-	-	-	-	20	25	-	-
Alabama.....	-	-	-	-	-	-	-	4	8	-	23
Mississippi.....	8	1	-	-	-	-	-	5	2	-	10
WEST SOUTH CENTRAL.....	4	2	1	3	5	-	32	137	79	7	559
Arkansas.....	-	-	-	-	-	-	3	-	4	-	23
Louisiana.....	-	1	-	1	-	-	1	14	1	-	39
Oklahoma.....	-	-	-	2	5	-	-	51	39	-	71
Texas.....	4	1	1	-	-	-	28	72	35	7	426
MOUNTAIN.....	1	1	1	-	-	1	7	60	69	3	171
Montana.....	-	-	-	-	-	1	2	5	6	1	3
Idaho.....	-	-	-	-	-	-	-	13	8	-	6
Wyoming.....	-	-	-	-	-	-	-	-	-	-	3
Colorado.....	1	-	-	-	-	-	1	14	25	2	133
New Mexico.....	-	1	-	-	-	-	3	15	4	-	11
Arizona.....	-	-	1	-	-	-	-	7	11	-	10
Utah.....	-	-	-	-	-	-	1	6	14	-	3
Nevada.....	-	-	-	-	-	-	-	-	1	-	2
PACIFIC.....	10	-	-	2	4	-	36	202	192	1	580
Washington.....	1	-	-	-	-	-	-	17	25	-	2
Oregon.....	1	-	-	-	-	-	1	20	35	-	21
California.....	7	-	-	2	4	-	31	151	126	1	493
Alaska.....	1	-	-	-	-	-	4	9	1	-	7
Hawaii.....	-	-	-	-	-	-	-	5	5	-	57
Puerto Rico.....	-	-	-	-	-	-	-	22	56	-	25
Virgin Islands.....	-	-	-	-	-	-	-	-	-	-	-

\*Delayed reports: Aseptic meningitis: Fla. 1  
Hepatitis, serum: Fla. 1  
Hepatitis, infectious: Fla. 8, P.R. 1



# Morbidity and Mortality Weekly Report

475

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
FOR WEEKS ENDED  
JANUARY 1, 1972 AND JANUARY 2, 1971 (52nd WEEK) - CONTINUED

AREA	MEASLES (Rubeola)			MENINGOCOCCAL INFECTIONS, TOTAL			MUMPS		POLIOMYELITIS		
	1971	Cumulative		1971	Cumulative		1971	Cum. 1971	Total 1971	Paralytic	
		1971	1970		1971	1970				1971	1971
UNITED STATES.....	326	75,007	47,432	26	2,176	2,491	1,417	121,550	-	-	9
NEW ENGLAND.....	6	3,535	1,288	1	104	103	92	7,251	-	-	-
Maine.....	-	1,494	495	-	9	5	3	1,293	-	-	-
New Hampshire.....	-	218	62	-	22	10	2	684	-	-	-
Vermont.....	-	123	9	-	-	8	6	498	-	-	-
Massachusetts*.....	3	264	485	-	40	40	35	1,844	-	-	-
Rhode Island.....	-	241	120	1	4	7	13	1,322	-	-	-
Connecticut.....	3	1,195	117	-	29	33	33	1,610	-	-	-
MIDDLE ATLANTIC.....	15	7,780	5,466	8	295	449	58	6,906	-	-	-
New York City.....	5	3,819	1,150	3	61	90	30	2,081	-	-	-
New York, Up-State...	1	701	470	2	90	87	NN	NN	-	-	-
New Jersey.....	8	1,325	1,729	1	62	184	8	1,820	-	-	-
Pennsylvania.....	1	1,935	2,117	2	82	88	20	3,005	-	-	-
EAST NORTH CENTRAL.....	122	17,183	10,884	5	255	283	514	47,481	-	-	-
Ohio.....	2	4,078	4,047	1	82	105	111	8,858	-	-	-
Indiana.....	8	3,094	280	-	21	27	7	5,371	-	-	-
Illinois.....	29	3,372	3,316	4	73	69	125	5,332	-	-	-
Michigan.....	15	2,659	1,851	-	64	69	86	10,748	-	-	-
Wisconsin.....	68	3,980	1,390	-	15	13	185	17,172	-	-	-
WEST NORTH CENTRAL.....	25	7,332	3,949	-	151	134	181	10,292	-	-	-
Minnesota.....	-	59	40	-	29	25	19	1,415	-	-	-
Iowa.....	10	2,717	1,184	-	14	14	113	5,721	-	-	-
Missouri.....	-	2,607	1,281	-	51	68	6	1,151	-	-	-
North Dakota.....	1	243	321	-	6	5	4	425	-	-	-
South Dakota.....	1	222	106	-	6	1	34	309	-	-	-
Nebraska.....	3	75	946	-	16	8	1	240	-	-	-
Kansas.....	10	1,409	71	-	29	13	4	1,031	-	-	-
SOUTH ATLANTIC.....	29	9,206	7,903	5	388	477	79	8,729	-	-	1
Delaware.....	-	42	269	-	3	3	-	188	-	-	-
Maryland.....	-	556	1,392	1	54	50	3	785	-	-	-
Dist. of Columbia....	-	16	345	-	14	3	-	101	-	-	-
Virginia.....	1	1,615	2,343	-	48	50	12	1,085	-	-	-
West Virginia.....	7	580	350	-	12	13	34	2,670	-	-	-
North Carolina.....	4	1,966	1,014	1	75	100	NN	NN	-	-	-
South Carolina.....	-	939	645	2	22	49	1	915	-	-	-
Georgia.....	-	1,138	18	-	26	46	-	11	-	-	1
Florida, F.....	17	2,354	1,527	1	134	163	29	2,974	-	-	-
EAST SOUTH CENTRAL.....	16	8,559	2,303	-	201	177	72	8,964	-	-	-
Kentucky.....	-	3,994	1,115	-	59	60	4	2,534	-	-	-
Tennessee.....	1	1,026	556	-	79	77	63	5,232	-	-	-
Alabama.....	7	1,979	493	-	35	27	4	1,036	-	-	-
Mississippi.....	8	1,560	139	-	28	13	1	162	-	-	-
WEST SOUTH CENTRAL.....	9	12,743	9,786	-	185	299	145	9,675	-	-	4
Arkansas.....	-	778	33	-	5	25	1	158	-	-	-
Louisiana.....	1	1,719	344	-	69	74	-	157	-	-	-
Oklahoma.....	-	758	1,031	-	11	24	9	217	-	-	-
Texas.....	8	9,488	8,378	-	100	176	135	9,143	-	-	4
MOUNTAIN.....	74	3,605	2,300	-	65	58	61	4,943	-	-	2
Montana.....	-	925	114	-	7	1	7	453	-	-	-
Idaho.....	-	274	486	-	11	7	1	183	-	-	-
Wyoming.....	-	85	11	-	2	2	1	426	-	-	-
Colorado.....	61	915	306	-	7	18	24	1,636	-	-	1
New Mexico.....	-	406	310	-	5	5	6	770	-	-	-
Arizona.....	4	648	1,013	-	9	18	13	1,274	-	-	-
Utah.....	9	345	39	-	20	6	9	201	-	-	-
Nevada.....	-	7	21	-	4	1	-	-	-	-	1
PACIFIC.....	30	5,064	3,553	7	532	511	215	17,309	-	-	2
Washington.....	3	1,166	775	3	39	49	46	6,816	-	-	1
Oregon.....	-	378	458	1	43	33	29	1,772	-	-	1
California.....	26	2,925	1,987	3	440	423	135	7,654	-	-	-
Alaska.....	-	63	141	-	1	1	5	130	-	-	-
Hawaii.....	1	532	192	-	9	5	-	937	-	-	-
Puerto Rico,*.....	27	650	997	-	10	6	32	1,389	-	-	-
Virgin Islands.....	-	17	8	-	-	3	-	86	-	-	-

\*Delayed reports: Measles: Mass. delete 7, Fla. 67, P.R. 1  
Mumps: Fla. 5, P.R. 19

## Morbidity and Mortality Weekly Report

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
FOR WEEKS ENDED  
JANUARY 1, 1972 AND JANUARY 2, 1971 (52nd WEEK) - CONTINUED

AREA	RUBELLA		TETANUS		TULAREMIA		TYPHOID FEVER		TYPHUS FEVER TICK-BORNE (Rky. Mt. Spotted)		RABIES IN ANIMALS	
	1971	Cum. 1971	1971	Cum. 1971	1971	Cum. 1971	1971	Cum. 1971	1971	Cum. 1971	1971	Cum. 1971
UNITED STATES.....	191	43,088	3	120	2	180	4	415	1	404	69	3,874
NEW ENGLAND.....	4	1,861	-	6	-	1	-	19	-	5	-	225
Maine.....	-	276	-	-	-	-	-	1	-	-	-	197
New Hampshire.....	2	52	-	2	-	-	-	-	-	-	-	3
Vermont.....	-	102	-	-	-	-	-	-	-	-	-	16
Massachusetts.....	1	859	-	1	-	-	-	14	-	3	-	8
Rhode Island.....	-	111	-	-	-	-	-	-	-	2	-	1
Connecticut.....	1	461	-	3	-	1	-	4	-	-	-	-
MIDDLE ATLANTIC.....	9	2,757	1	14	-	-	2	97	-	38	2	156
New York City.....	5	619	1	9	-	-	2	26	-	1	-	-
New York, Up-State..	-	442	-	1	-	-	-	16	-	17	1	134
New Jersey.....	-	654	-	2	-	-	-	8	-	9	-	-
Pennsylvania.....	4	1,042	-	2	-	-	-	47	-	11	1	22
EAST NORTH CENTRAL....	47	9,394	-	18	-	9	-	59	-	20	7	400
Ohio.....	7	1,045	-	2	-	1	-	22	-	15	6	119
Indiana.....	6	2,238	-	3	-	-	-	6	-	-	1	82
Illinois.....	2	1,369	-	6	-	4	-	15	-	3	-	71
Michigan.....	18	2,955	-	7	-	2	-	10	-	2	-	48
Wisconsin.....	14	1,787	-	-	-	2	-	6	-	-	-	80
WEST NORTH CENTRAL....	10	3,358	-	7	-	20	-	6	-	9	15	1,095
Minnesota.....	-	291	-	4	-	-	-	1	-	-	4	272
Iowa.....	4	751	-	1	-	-	-	-	-	2	6	241
Missouri.....	-	1,375	-	2	-	16	-	4	-	5	1	149
North Dakota.....	-	97	-	-	-	-	-	-	-	-	2	192
South Dakota.....	-	99	-	-	-	1	-	-	-	-	-	120
Nebraska.....	2	101	-	-	-	-	-	-	-	-	2	11
Kansas.....	4	644	-	-	-	3	-	1	-	2	-	110
SOUTH ATLANTIC.....	21	3,498	-	27	-	23	1	52	1	208	7	416
Delaware.....	-	51	-	-	-	-	1	2	-	2	-	-
Maryland.....	1	171	-	1	-	4	-	4	-	31	-	2
Dist. of Columbia..	-	8	-	4	-	-	-	4	-	-	-	-
Virginia.....	1	234	-	4	-	9	-	15	-	37	2	79
West Virginia.....	1	725	-	-	-	-	-	4	-	4	-	121
North Carolina.....	1	53	-	2	-	4	-	4	1	107	-	7
South Carolina.....	-	456	-	1	-	-	-	2	-	14	-	-
Georgia.....	-	1	-	2	-	4	-	2	-	13	2	146
Florida.....	17	1,799	-	13	-	2	-	15	-	-	3	61
EAST SOUTH CENTRAL....	8	4,077	1	18	-	14	-	48	-	64	17	371
Kentucky.....	-	1,756	1	5	-	2	-	11	-	13	9	188
Tennessee.....	3	2,012	-	7	-	8	-	26	-	35	3	114
Alabama.....	2	226	-	4	-	3	-	8	-	9	5	65
Mississippi.....	3	83	-	2	-	1	-	3	-	7	-	4
WEST SOUTH CENTRAL....	16	5,071	-	16	1	65	-	48	-	48	16	764
Arkansas.....	-	338	-	1	-	25	-	16	-	6	3	108
Louisiana.....	1	295	-	3	-	8	-	6	-	1	7	60
Oklahoma.....	-	75	-	2	1	20	-	3	-	28	3	280
Texas.....	15	4,363	-	10	-	12	-	23	-	13	3	316
MOUNTAIN.....	9	2,096	-	2	-	40	-	9	-	12	1	74
Montana.....	-	126	-	-	-	2	-	-	-	3	-	-
Idaho.....	-	43	-	1	-	1	-	-	-	4	-	-
Wyoming.....	-	861	-	-	-	-	-	-	-	-	-	12
Colorado.....	2	328	-	-	-	-	-	2	-	2	-	11
New Mexico.....	2	251	-	-	-	-	-	5	-	1	-	9
Arizona.....	5	403	-	1	-	-	-	2	-	-	1	27
Utah.....	-	69	-	-	-	37	-	-	-	1	-	10
Nevada.....	-	15	-	-	-	-	-	-	-	1	-	5
PACIFIC.....	67	10,976	1	12	1	8	1	77	-	-	4	373
Washington.....	21	1,538	1	2	-	-	-	1	-	-	-	-
Oregon.....	4	816	-	2	1	4	-	-	-	-	-	9
California.....	38	8,384	-	7	-	4	1	71	-	-	4	330
Alaska.....	-	51	-	-	-	-	-	1	-	-	-	34
Hawaii.....	4	187	-	1	-	-	-	4	-	-	-	-
Puerto Rico.....	-	62	-	8	-	-	-	4	-	-	-	79
Virgin Islands.....	-	1	-	-	-	-	-	1	-	-	-	-

\*Delayed reports: Rubella: Fla. 2

Rabies in animals: Me. 3, Fla. 2

# Morbidity and Mortality Weekly Report

477

Week No. 52 TABLE IV. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED JANUARY 1, 1972

(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		
<b>NEW ENGLAND:</b>	742	459	55	23	<b>SOUTH ATLANTIC:</b>	1,118	630	36	30
Boston, Mass.-----	217	111	16	11	Atlanta, Ga.-----	100	52	4	8
Bridgeport, Conn.-----	45	31	6	—	Baltimore, Md.-----	217	118	3	5
Cambridge, Mass.-----	30	23	9	—	Charlotte, N. C.-----	64	31	—	1
Fall River, Mass.-----	35	28	1	1	Jacksonville, Fla.-----	110	61	2	4
Hartford, Conn.-----	72	30	4	2	Miami, Fla.-----	138	81	2	3
Lowell, Mass.-----	25	19	1	—	Norfolk, Va.-----	56	24	5	3
Lynn, Mass.-----	23	12	2	—	Richmond, Va.-----	81	55	5	—
New Bedford, Mass.-----	28	22	2	1	Savannah, Ga.-----	37	19	5	—
New Haven, Conn.-----	68	47	1	—	St. Petersburg, Fla.-----	101	77	2	1
Providence, R. I.-----	58	34	6	3	Tampa, Fla.-----	96	57	6	1
Somerville, Mass.-----	11	8	2	—	Washington, D. C.-----	56	23	2	2
Springfield, Mass.-----	37	26	2	1	Wilmington, Del.-----	62	32	—	2
Waterbury, Conn.-----	44	35	—	2					
Worcester, Mass.-----	49	33	3	2	<b>EAST SOUTH CENTRAL:</b>	568	315	13	15
<b>MIDDLE ATLANTIC:</b>	3,364	1,998	155	98	Birmingham, Ala.-----	102	58	—	2
Albany, N. Y.-----	62	39	4	2	Chattanooga, Tenn.-----	58	30	6	1
Allentown, Pa.-----	42	24	3	2	Knoxville, Tenn.-----	33	24	1	1
Buffalo, N. Y.-----	151	88	5	7	Louisville, Ky.-----	103	60	3	4
Camden, N. J.-----	32	14	4	2	Memphis, Tenn.-----	71	37	—	1
Elizabeth, N. J.-----	42	23	1	1	Mobile, Ala.-----	54	18	—	5
Erie, Pa.-----	58	36	3	4	Montgomery, Ala.-----	43	22	1	—
Jersey City, N. J.***	67	42	7	2	Nashville, Tenn.-----	104	66	2	1
Newark, N. J.-----	75	34	3	5					
New York City, N. Y.†	1,593	933	62	44	<b>WEST SOUTH CENTRAL:</b>	1,181	631	48	61
Paterson, N. J.-----	53	34	8	5	Austin, Tex.-----	32	22	6	—
Philadelphia, Pa.-----	503	292	9	11	Baton Rouge, La.-----	47	30	—	—
Pittsburgh, Pa.-----	243	145	19	6	Corpus Christi, Tex.---	27	13	—	1
Reading, Pa.-----	42	31	4	—	Dallas, Tex.-----	157	78	5	8
Rochester, N. Y.-----	133	89	10	5	El Paso, Tex.**	48	25	4	5
Schenectady, N. Y.-----	39	25	1	—	Fort Worth, Tex.-----	79	39	4	3
Scranton, Pa.-----	31	21	2	—	Houston, Tex.-----	192	102	12	16
Syracuse, N. Y.-----	91	57	2	1	Little Rock, Ark.-----	58	24	2	4
Trenton, N. J.-----	39	21	1	1	New Orleans, La.-----	167	75	1	5
Utica, N. Y.-----	28	23	3	—	Oklahoma City, Okla.---	97	58	4	3
Yonkers, N. Y.-----	40	27	4	—	San Antonio, Tex.-----	139	92	2	4
					Shreveport, La.-----	63	34	4	3
					Tulsa, Okla.-----	75	39	4	9
<b>EAST NORTH CENTRAL:</b>	2,842	1,653	90	112					
Akron, Ohio-----	72	45	—	4	<b>MOUNTAIN:</b>	493	291	25	18
Canton, Ohio-----	46	30	1	1	Albuquerque, N. Mex.---	63	34	4	—
Chicago, Ill.-----	728	384	21	37	Colorado Springs, Colo.---	32	18	7	4
Cincinnati, Ohio-----	174	113	5	6	Denver, Colo.-----	126	76	6	1
Cleveland, Ohio-----	230	135	3	12	Ogden, Utah-----	26	16	5	5
Columbus, Ohio-----	140	86	5	3	Phoenix, Ariz.-----	117	69	—	5
Dayton, Ohio-----	127	75	10	7	Pueblo, Colo.-----	20	14	3	1
Detroit, Mich.-----	416	229	13	10	Salt Lake City, Utah---	49	28	—	1
Evansville, Ind.-----	46	26	2	2	Tucson, Ariz.-----	60	36	—	1
Flint, Mich.-----	75	44	—	3					
Fort Wayne, Ind.-----	32	23	—	3	<b>PACIFIC:</b>	1,669	1,063	40	55
Gary, Ind.-----	55	26	3	3	Berkeley, Calif.-----	35	24	—	—
Grand Rapids, Mich.---	47	33	6	1	Fresno, Calif.-----	45	33	1	—
Indianapolis, Ind.---	155	89	5	4	Glendale, Calif.-----	25	20	—	—
Madison, Wis.-----	34	14	2	4	Honolulu, Hawaii-----	51	29	1	3
Milwaukee, Wis.-----	127	91	4	1	Long Beach, Calif.-----	105	60	5	1
Peoria, Ill.-----	64	36	—	4	Los Angeles, Calif.---	497	320	8	13
Rockford, Ill.-----	49	30	4	2	Oakland, Calif.-----	75	45	2	3
South Bend, Ind.-----	42	29	4	2	Pasadena, Calif.-----	47	40	1	2
Toledo, Ohio-----	117	74	2	2	Portland, Oreg.-----	109	67	5	3
Youngstown, Ohio-----	66	41	—	1	Sacramento, Calif.---	69	39	2	4
					San Diego, Calif.-----	135	76	3	13
<b>WEST NORTH CENTRAL:</b>	853	544	29	42	San Francisco, Calif.---	174	114	4	4
Des Moines, Iowa-----	62	36	—	1	San Jose, Calif.-----	62	38	1	1
Duluth, Minn.-----	28	24	3	—	Seattle, Wash.-----	150	98	5	5
Kansas City, Kans.---	39	19	3	5	Spokane, Wash.-----	53	35	—	3
Kansas City, Mo.-----	142	87	3	6	Tacoma, Wash.-----	37	25	2	—
Lincoln, Nebr.-----	26	21	3	1					
Minneapolis, Minn.---	104	65	—	7	<b>Total</b>	<b>12,830</b>	<b>7,584</b>	<b>491</b>	<b>454</b>
Omaha, Nebr.-----	91	62	3	4	<b>Expected Number</b>	<b>13,405</b>	<b>7,780</b>	<b>553</b>	<b>594</b>
St. Louis, Mo.-----	223	139	8	14	<b>Cumulative Total</b> (includes reported corrections for previous weeks)	<b>662,126</b>	<b>380,769</b>	<b>23,947</b>	<b>29,357</b>
St. Paul, Minn.-----	76	53	2	2					
Wichita, Kans.-----	62	38	4	2					
Las Vegas, Nev.*	---	---	---	---					

\*Mortality data are being collected from Las Vegas, Nev., for possible inclusion in this table, however, for statistical reasons, these data will be listed only and not included in the total, expected number, or cumulative total, until 5 years of data are collected.

## EPIDEMIOLOGIC NOTES AND REPORTS

## MALARIA — Alabama

**Case 1:** On Oct. 4, 1971, a 21-year-old soldier stationed in Vietnam became ill with fever and chills, followed by lower back pain 3 days later. While in Vietnam, he had taken chloroquine and primaquine tablets regularly and dapsone intermittently. On October 8, he became weak, lethargic, anorexic, and suffered a mild, constant headache. He was discharged and returned to the United States on October 12. He was admitted to a hospital in Birmingham, Alabama, 2 days later.

On admission, the patient had a rectal temperature of 103° F., pulse 90/minute, respirations 18/minute, and blood pressure 100/70. He was alert, in no acute distress, and had icteric conjunctiva, clear lungs, and normal heart sounds. Liver dullness measured 13 cm, and the spleen was palpable 3 cm below the left costal margin. The peripheral blood smear contained red blood cells with ring forms tentatively identified as *Plasmodium vivax*. He was started on chloroquine phosphate orally. Three days later, he was still febrile and was becoming progressively lethargic. Infection with *P. falciparum* (250,000 parasites/c.mm.) was confirmed shortly thereafter.

Treatment with parenteral quinine and oral pyrimethamine was started. Within 3 days, a peripheral blood smear was clear of malarial parasites. The patient's condition continued to deteriorate, however, and he lapsed into coma. Spinal fluid studies were normal. Bilateral bronchopneumonia developed on October 18. His condition became progressively worse, and he was unresponsive to broad spectrum antibiotic therapy. On October 20, the patient experienced respiratory distress followed by cardiac arrest. He died shortly thereafter.

**Case 2:** On Oct. 18, 1971, a 24-year-old medical student in

Birmingham, Alabama, accidentally stuck himself with a needle after drawing arterial blood from Case 1 for the determination of blood gases. Eight days later, he had onset of a sore throat, myalgia, and fatigue. He was seen in the student health clinic and started on penicillin. On October 31, he became febrile and experienced chills and drenching sweats. On November 3, he was admitted to a hospital after ring forms consistent with *P. falciparum* (50,000 parasites/c.mm.) were found in his peripheral blood smears.

On admission, he was alert and had a temperature of 101° F., pulse 120/minute, respirations 16/minute, and blood pressure 100/60. His tonsils were enlarged bilaterally. Physical examination was normal except for a palpable, tender spleen that extended 3½ cm below the left costal margin. The liver edge was barely palpable below the right costal margin.

The patient was started on intravenous quinine, oral pyrimethamine, and sulfadiazine. He became afebrile the following day. On November 6, he experienced a few conjunctival petechiae and a skin rash, and the sulfadiazine was discontinued. He continued to respond to treatment and was discharged on November 14.

(Reported by Richard H. Esham, M.D., Chief, Medical Resident, Thomas W. Sheehy, M.D., Professor of Medicine, Patrick Walker, medical student, University of Alabama School of Medicine, Birmingham, Alabama; and Frederick S. Wolf, M.D., Director, Bureau of Preventable Diseases, Alabama State Department of Health.)

The Morbidity and Mortality Weekly Report, circulation 25,500, is published by the Center for Disease Control, Atlanta, Ga.

Director, Center for Disease Control  
Director, Epidemiology Program, CDC  
Editor, MMWR  
Managing Editor

David J. Sencer, M.D.  
Philip S. Brachman, M.D.  
Michael B. Gregg, M.D.  
Susan J. Dillon

The data in this report are provisional, based on weekly telegraphs to CDC by state health departments. The reporting week concludes at close of business on Friday; compiled data on a national basis are officially released to the public on the succeeding Friday.

In addition to the established procedures for reporting morbidity and mortality, the editor welcomes accounts of interesting outbreaks or case investigations of current interest to health officials.

Address all correspondence to: Center for Disease Control  
Attn: Editor  
Morbidity and Mortality Weekly Report  
Atlanta, Georgia 30333

DHEW Publication No. (HSM) 72-8017

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE  
PUBLIC HEALTH SERVICE  
HEALTH SERVICES AND MENTAL HEALTH ADMINISTRATION  
CENTER FOR DISEASE CONTROL  
ATLANTA, GEORGIA 30333

OFFICIAL BUSINESS

POSTAGE AND FEES PAID  
U.S. DEPARTMENT OF HEW



3-G-19-08  
Mrs Mary F Jackson, Library  
Center for Disease Control