

# Morbidity and Mortality



Vol. 19, No. 41

WEEKLY REPORT

For Week Ending October 17, 1970

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE / PUBLIC HEALTH SERVICE HEALTH SERVICES AND MENTAL HEALTH ADMINISTRATION  
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**EPIDEMIOLOGIC NOTES AND REPORTS**  
**CHOLERA - Worldwide**

Official World Health Organization reports now list the following countries as having confirmed cholera cases: Burma, Guinea, India, Indonesia, Israel, Jordan, South Korea, Kuwait, Lebanon, Liberia, Libya, Nepal, East Pakistan, the Philippines, Saudi Arabia, Sierra Leone, Syria, Trucial Oman-Dubai, Tunisia, Republic of Vietnam, and Turkey.

Significant recent changes in this list (MMWR, Vol. 19, No. 35) include the deletion of the USSR, which is now declared to be cholera-free, and the official recognition of the disease in the Middle Eastern countries of Turkey, Kuwait, Saudi Arabia, and Jordan. Also of particular importance is the spread of the disease in West Africa to include Sierra Leone and Liberia. Tunisia is now reporting cholera cases and has begun a large-scale vaccination pro-

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gram. Finally, the international press and other unofficial sources indicate that cholera may be widespread in northern and western Africa, the Middle East, and Asia, including Iran, Iraq, United Arab Republic, Ethiopia, Malawi, Senegal, Sudan, and Togo.

(Reported by the Bacterial Diseases Branch, Epidemiology Program, and the Foreign Quarantine Program, CDC.)

**Editorial Note:**

The risk of infection for American travelers is extremely small (MMWR, Vol. 19, No. 33). There have been  
 (Continued on page 406)

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

DISEASE	41st WEEK ENDED		MEDIAN 1965 - 1969	CUMULATIVE, FIRST 41 WEEKS		
	October 17, 1970	October 11, 1969		1970	1969	MEDIAN 1965 - 1969
Aseptic meningitis . . . . .	241	166	89	4,644	2,686	2,403
Brucellosis . . . . .	2	6	6	166	183	198
Diphtheria . . . . .	9	4	4	353	138	138
Encephalitis, primary:						
Arthropod-borne & unspecified . . . . .	46	37	40	1,203	989	1,289
Encephalitis, post-infectious . . . . .	2	3	4	337	258	572
Hepatitis, serum . . . . .	153	101	709	5,666	4,132	31,904
Hepatitis, infectious . . . . .	1,080	950		44,165	36,862	
Malaria . . . . .	79	70	23	2,649	2,318	1,556
Measles (rubeola) . . . . .	278	144	267	40,416	21,024	58,712
Meningococcal infections, total . . . . .	13	29	30	1,984	2,470	2,462
Civilian . . . . .	13	29	29	1,786	2,264	2,264
Military . . . . .	-	-	1	198	206	184
Mumps . . . . .	1,110	782	---	79,315	70,657	---
Poliomyelitis, total . . . . .	-	2	-	23	16	48
Paralytic . . . . .	-	2	-	23	15	39
Rubella (German measles) . . . . .	407	350	---	50,812	50,363	---
Tetanus . . . . .	5	2	5	99	122	152
Tularemia . . . . .	6	1	2	127	115	144
Typhoid fever . . . . .	12	10	10	261	246	310
Typhus, tick-borne (Rky. Mt. spotted fever) . . . . .	3	5	4	319	416	262
Rabies in animals . . . . .	51	41	58	2,419	2,750	3,290

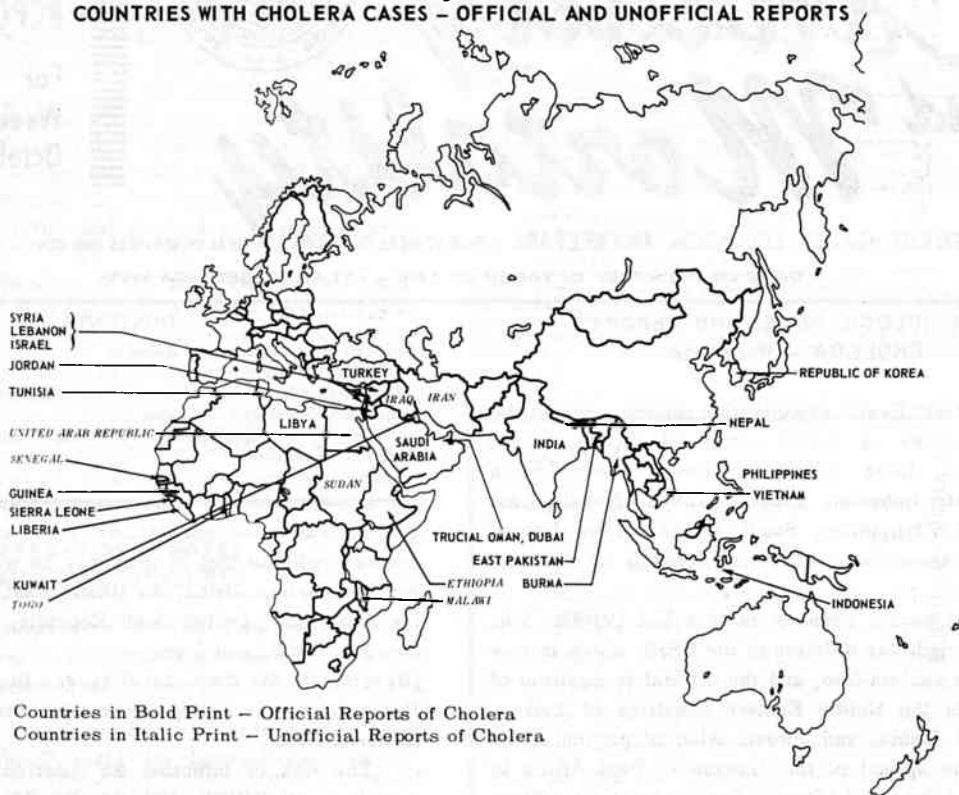
**TABLE II. NOTIFIABLE DISEASES OF LOW FREQUENCY**

	Cum.		Cum.
Anthrax: . . . . .	1	Psittacosis: Calif.-1 . . . . .	25
Botulism: Kans.-1 . . . . .	10	Rabies in Man: . . . . .	2
Leprosy: Hawaii-1 . . . . .	94	Rubella congenital syndrome: . . . . .	51
Leptospirosis: . . . . .	34	Trichinosis: Conn.-1, Ill.-2 . . . . .	84
Plague: * . . . . .	11	Typhus, murine: Tex.-1 . . . . .	32

\*Delayed reports: Plague: N. Mex. delete 1

CHOLERA - (Continued from front page)

Figure 1  
COUNTRIES WITH CHOLERA CASES - OFFICIAL AND UNOFFICIAL REPORTS



Countries in Bold Print - Official Reports of Cholera  
Countries in Italic Print - Unofficial Reports of Cholera

only six reported cases of cholera and no deaths among the millions of Americans who have traveled in cholera-infected areas of the world during the past decade.

Some recent unpublished evidence suggests that it may be dangerous to swim in water contaminated by human wastes, because *Vibrio cholerae* can survive even in sea water. In one recent outbreak in the Middle East, uncooked vegetables "freshened" by water contaminated with human

wastes were thought to have played a role in transmission. For these reasons, it may be advisable to swim only in chlorinated pools in regions where cholera is present and to avoid uncooked vegetables. Freshly peeled fruits are safe. Prophylactic medications should not be taken. It is recommended that travelers to West and North Africa, the Middle East, and Asia have two cholera inoculations in order to facilitate their travel.

INFLUENZA A2 - Puerto Rico

There has been a steady increase in the number of cases of influenza-like illness reported to the Puerto Rico Department of Health since the third week of August (Figure 2). Almost all of the increment stems from reports from government health centers in two small towns, Hatillo and Quebradillas, on the northern coast of Puerto Rico, and from two small towns, Adjuntas and Jayuya, in the mountainous central part of the island. In addition, a large outbreak has occurred in Utuado, which is between Hatillo on the north and Adjuntas and Jayuya on the south (Figure 3).

Quebradillas began to note double the usual number of cases of respiratory illness during the second week in August, and the reporting has continued at this level. Hatillo also began to note a rise in number of cases during the week ending August 14, but there the peak was much sharper, occurring between August 28 and September 11. In Adjuntas the increase in reporting began during the week ending August 28, with the peak in the week ending Septem-

Figure 2  
REPORTED CASES OF INFLUENZA-LIKE ILLNESS  
PUERTO RICO - MAY 30-SEPT. 18, 1970

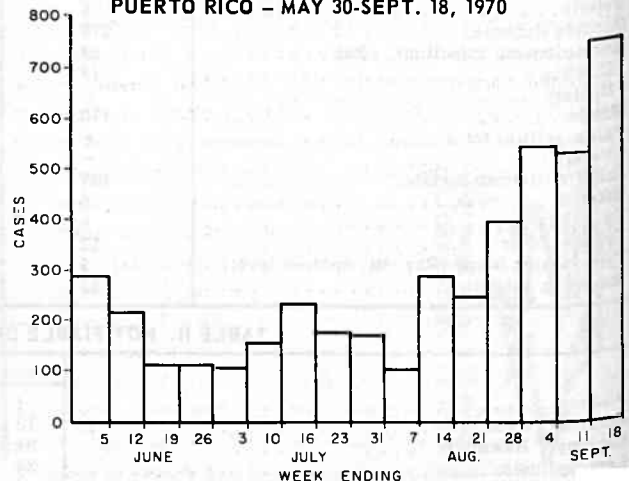


Figure 3  
 PUERTO RICO MUNICIPALITIES REPORTING INCREASING  
 NUMBERS OF CASES OF INFLUENZA-LIKE ILLNESS  
 AUGUST-SEPTEMBER 1970



ber 18. In Jayuya reported illness began to increase during the 4th week of September. The date of onset of the epidemic in Utuado is not known, but it apparently began early in September and amounted to several hundred cases. Precise data on the course of the outbreak in these towns during the past several weeks are not available because of the disastrous floods that occurred throughout Puerto Rico early in October.

Throat swabs for viral isolation obtained on September 30 from patients in Hatillo, Quebradillos, and Utuado have been confirmed at CDC as Hong Kong-like Influenza A2. (Reported by the Puerto Rico Department of Health and an EIS Officer.)

### INTRODUCED MALARIA - Texas

On Sept. 28, 1970, a 9-year-old boy and his 11-year-old sister were admitted to a San Antonio, Texas, hospital with a diagnosis of "fever of undetermined origin." The boy had onset of fever, nausea, malaise, tiredness, and vomiting on September 17, and 2 days later his sister began having abdominal pains and fever. On September 20, both children were asymptomatic, but on September 21, they began having fever to 106°F. on alternate days until the time of their hospitalization. *Plasmodium vivax* parasites were found in peripheral blood smears from both patients.

The children live with their family in Bergheim, a sparsely-populated ranching area in south-central Texas. They had neither traveled outside the United States nor received blood transfusions. No recent contact with persons returned from Vietnam or other malarious areas or with persons with febrile illnesses was known. On September 5, the children had camped with their immediate family and other relatives at a recreation area on an adjoining ranch. Several persons complained of being bitten by mosquitoes and ticks while at the campsite, located at the headwaters of a small, spring-fed stream.

A total of 13 persons, all related, were exposed during the outing. Two had slept on an open trailer about 100 feet above the elevation of the campsite in order to avoid being bitten by insects. Four slept on cots, and several of them used insect repellent. Three slept in a screened, self-contained camping vehicle. The other four persons - the patients, a 5-year-old sister, and their mother - slept in a large passenger vehicle without screens; none used insect repellent except the mother, who applied some to her face after being awakened by biting insects. The only other reported illness was in the 5-year-old sister of the patients; she had fever as high as 102°F. for several days in mid-September but was not seen by a physician. A peripheral blood smear on October 2 was negative for malaria parasites.

Larvae and adults of *Anopheles punctipennis* were found in the camping area. The mean daily temperature for the area during late August and early September, the probable time of transmission, was 80°F., suggesting an extrinsic\* incubation period of 8 days for *P. vivax* malaria.

The average intrinsic incubation period\*\* for vivax malaria is 14 days.

The only persons to use the camping area during this time, besides the family members, were several Mexican nationals who were working temporarily as wood cutters on a neighboring ranch. They lived in an open camping area several hundred yards from the stream, and they frequently visited the pond formed by a dam in the stream to bathe and wash clothes. Two of the workers have been contacted; they acknowledged having come from malarious regions of Mexico but denied recent or past malaria or malaria-like illnesses. Peripheral blood smears and sera were collected for later examination. Three other workers who had been present at the probable time of malaria transmission departed from the area in early September; one of them reportedly had a high fever at that time.

All residents in the immediate vicinity are being contacted, and efforts are being made to locate other workers who may have been in the area in early September. No cases of malaria in Mexican nationals have been reported from Texas in 1970.

(Reported by Aurora Villafana, M.D., Attending Physician, Santa Rosa Hospital, San Antonio; Howard C. Day, Health Officer, Kendall County; Paul Fournier, Entomologist, and M. S. Dickerson, Chief, Communicable Disease Services, Texas State Department of Health; and two EIS Officers.)

#### Editorial Note:

This is the tenth reported introduction\*\*\* of malaria in the United States since the close of World War II, and the first in Texas since that time. In two other episodes, in 1956 and 1957, the probable index patient was a Mexican agricultural worker. Both episodes occurred in California. The last reported episodes of introduced malaria in the United States were in 1968 in Georgia and Alabama.

\*The extrinsic incubation period is the interval from the time an anopheline mosquito ingests blood containing mature sexual forms to the time it becomes infective.

\*\*The intrinsic incubation period is the interval between the infective bite and the first clinical manifestation of malaria.

\*\*\*Introduced malaria is acquired by mosquito transmission of infection contracted from an imported case in an area where malaria is not a regular occurrence.

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TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

OCTOBER 17, 1970 AND OCTOBER 11, 1969 (41st WEEK)

AREA	ASEPTIC MENIN- GITIS	BRUCEL- LOSIS	DIPH- THERIA	ENCEPHALITIS			HEPATITIS			MALARIA	
				Primary including unsp. cases		Post In- fectious	Serum	Infectious		1970	Cum. 1970
				1970	1969			1970	1970		
UNITED STATES.....	241	2	9	46	37	2	153	1,080	950	79	2,649
NEW ENGLAND.....	15	-	-	1	6	-	5	103	92	1	76
Maine.....	1	-	-	-	-	-	-	7	8	-	8
New Hampshire.....	-	-	-	-	-	-	-	2	7	-	6
Vermont.....	-	-	-	-	-	-	-	7	2	-	5
Massachusetts.....	7	-	-	1	5	-	1	50	53	1	36
Rhode Island.....	1	-	-	-	-	-	1	24	15	-	9
Connecticut.....	6	-	-	-	1	-	3	13	7	-	12
MIDDLE ATLANTIC.....	15	-	-	10	4	1	52	191	140	4	269
New York City.....	1	-	-	-	-	-	24	22	35	-	36
New York, Up-State*..	3	-	-	1	1	-	5	43	28	1	78
New Jersey*.....	6	-	-	-	2	-	14	76	24	-	70
Pennsylvania.....	5	-	-	9	1	1	9	50	53	3	85
EAST NORTH CENTRAL.....	37	-	-	18	16	-	22	166	152	1	158
Ohio.....	13	-	-	12	9	-	4	43	41	-	27
Indiana.....	-	-	-	1	-	-	-	4	3	-	18
Illinois*.....	3	-	-	1	1	-	2	23	43	-	44
Michigan.....	21	-	-	4	3	-	16	87	57	1	69
Wisconsin.....	-	-	-	-	3	-	-	9	8	-	-
WEST NORTH CENTRAL.....	10	-	1	2	2	-	1	40	42	2	263
Minnesota.....	8	-	-	-	-	-	1	6	8	1	22
Iowa.....	-	-	-	-	-	-	-	7	10	-	21
Missouri.....	-	-	-	-	-	-	-	4	17	1	25
North Dakota.....	1	-	-	-	-	-	-	-	-	-	3
South Dakota.....	-	-	1	-	-	-	-	1	1	-	2
Nebraska.....	-	-	-	-	-	-	-	2	1	-	3
Kansas.....	1	-	-	2	2	-	-	20	5	-	187
SOUTH ATLANTIC.....	43	-	1	9	3	-	29	128	73	12	516
Delaware.....	-	-	-	-	-	-	1	5	2	-	2
Maryland.....	3	-	-	-	-	-	2	9	11	3	68
Dist. of Columbia....	-	-	-	-	-	-	1	1	2	-	2
Virginia.....	14	-	-	4	-	-	6	21	7	5	70
West Virginia*.....	3	-	-	1	1	-	-	2	10	1	10
North Carolina.....	-	-	-	-	-	-	5	18	5	1	196
South Carolina.....	4	-	-	-	-	-	-	7	4	1	47
Georgia.....	-	-	-	-	-	-	-	20	9	-	74
Florida.....	19	-	1	4	2	-	14	45	23	1	47
EAST SOUTH CENTRAL.....	22	1	6	-	-	-	4	60	68	1	168
Kentucky.....	13	-	-	-	-	-	-	29	27	1	135
Tennessee.....	3	1	-	-	-	-	3	19	29	-	-
Alabama.....	6	-	6	-	-	-	1	11	11	-	22
Mississippi*.....	-	-	-	-	-	-	-	1	1	-	11
WEST SOUTH CENTRAL.....	5	-	1	-	2	1	6	62	105	32	483
Arkansas.....	-	-	-	-	-	-	-	5	4	1	11
Louisiana.....	4	-	1	-	-	-	-	8	21	-	34
Oklahoma.....	-	-	-	-	-	-	-	4	8	3	81
Texas*.....	1	-	-	-	2	1	6	45	72	28	357
MOUNTAIN.....	10	-	-	1	1	-	-	45	59	13	210
Montana.....	-	-	-	-	-	-	-	5	1	-	10
Idaho.....	2	-	-	-	-	-	-	5	2	-	6
Wyoming.....	-	-	-	-	-	-	-	6	2	-	-
Colorado.....	8	-	-	1	1	-	-	-	24	11	172
New Mexico.....	-	-	-	-	-	-	-	15	1	1	9
Arizona*.....	-	-	-	-	-	-	-	12	17	1	10
Utah.....	-	-	-	-	-	-	-	2	1	-	3
Nevada.....	-	-	-	-	-	-	-	-	11	-	-
PACIFIC.....	84	1	-	5	3	-	34	285	219	13	506
Washington.....	1	-	-	1	-	-	-	43	31	-	45
Oregon.....	1	-	-	-	-	-	-	41	12	-	15
California*.....	77	1	-	3	2	-	34	187	173	7	322
Alaska*.....	1	-	-	-	-	-	-	3	1	-	1
Hawaii.....	4	-	-	1	1	-	-	11	2	6	123
Puerto Rico*.....	-	-	-	-	-	-	3	14	30	-	10
Virgin Islands.....	-	-	-	-	-	-	-	-	-	-	-

\*Delayed reports: Aseptic meningitis: N.Y. Ups. 16, Miss. delete 10, Ariz. 2, Calif. 74

Brucellosis: Ill. 3

Encephalitis, primary: Calif. 6

Hepatitis, serum: W. Va. delete 1, Calif. 27

Hepatitis, infections: N.J. delete 1, W. Va. 1,

Miss. 8, Ariz. 10, Calif. 176, Alaska 2, P. R. 8

Malaria: Tex. 2, Ariz. 1, Calif. 3

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TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
FOR WEEKS ENDED  
OCTOBER 17, 1970 AND OCTOBER 11, 1969 (41st WEEK) - CONTINUED

AREA	MEASLES (Rubeola)			MENINGOCOCCAL INFECTIONS, TOTAL			MUMPS		POLIOMYELITIS		
	1970	Cumulative		1970	Cumulative		1970	Cum. 1970	Total 1970	Paralytic	
		1970	1969		1970	1969				1970	Cum. 1970
UNITED STATES.....	278	40,416	21,024	13	1,984	2,470	1,110	79,315	-	-	23
NEW ENGLAND.....	8	914	1,119	-	84	97	98	9,172	-	-	-
Maine.....	-	223	9	-	3	6	2	705	-	-	-
New Hampshire.....	2	58	239	-	8	3	-	333	-	-	-
Vermont.....	-	8	3	-	7	-	10	605	-	-	-
Massachusetts*.....	5	412	221	-	37	38	41	2,882	-	-	-
Rhode Island.....	-	120	27	-	6	13	25	1,595	-	-	-
Connecticut.....	1	93	620	-	23	37	20	3,052	-	-	-
MIDDLE ATLANTIC.....	20	4,954	7,564	1	362	405	40	7,729	-	-	-
New York City.....	17	925	4,937	-	84	77	23	2,846	-	-	-
New York, Up-State...	-	311	605	1	72	79	NN	NN	-	-	-
New Jersey.....	2	1,712	923	-	138	160	11	2,105	-	-	-
Pennsylvania.....	1	2,006	1,099	-	68	89	6	2,778	-	-	-
EAST NORTH CENTRAL.....	36	9,905	2,350	1	229	340	330	21,373	-	-	2
Ohio.....	2	3,815	393	-	86	124	57	3,773	-	-	-
Indiana.....	-	273	468	-	20	45	10	1,892	-	-	-
Illinois.....	6	3,084	576	-	56	49	15	1,782	-	-	-
Michigan.....	14	1,767	311	1	57	97	101	5,198	-	-	1
Wisconsin.....	14	966	602	-	10	25	147	8,728	-	-	1
WEST NORTH CENTRAL.....	5	3,878	600	-	103	126	95	3,999	-	-	1
Minnesota.....	-	38	8	-	15	28	-	370	-	-	-
Iowa.....	3	1,152	332	-	13	18	88	2,464	-	-	-
Missouri.....	1	1,276	30	-	56	52	2	282	-	-	1
North Dakota.....	1	320	15	-	5	2	5	310	-	-	-
South Dakota.....	-	96	3	-	1	1	-	41	-	-	-
Nebraska.....	-	928	205	-	7	9	-	388	-	-	-
Kansas.....	-	68	7	-	6	16	-	144	-	-	-
SOUTH ATLANTIC.....	26	7,236	2,575	3	395	427	93	9,040	-	-	1
Delaware.....	1	262	393	-	3	12	1	316	-	-	-
Maryland.....	-	1,376	77	1	41	40	6	960	-	-	-
Dist. of Columbia...	-	343	25	-	3	9	2	190	-	-	-
Virginia.....	14	2,008	885	-	41	54	7	2,043	-	-	-
West Virginia.....	2	319	211	-	10	19	34	2,214	-	-	1
North Carolina.....	2	880	318	1	83	73	NN	NN	-	-	-
South Carolina.....	1	597	125	-	45	56	10	890	-	-	-
Georgia.....	-	14	2	-	35	72	-	3	-	-	-
Florida.....	6	1,437	539	1	134	92	33	2,424	-	-	-
EAST SOUTH CENTRAL.....	18	1,388	113	1	147	150	80	4,600	-	-	-
Kentucky.....	3	798	66	1	52	51	42	1,639	-	-	-
Tennessee.....	2	385	17	-	60	58	27	2,634	-	-	-
Alabama.....	13	115	6	-	24	24	11	279	-	-	-
Mississippi*.....	-	90	24	-	11	17	-	48	-	-	-
WEST SOUTH CENTRAL.....	87	7,792	4,683	3	263	332	104	7,640	-	-	18
Arkansas.....	-	30	16	-	22	31	-	127	-	-	-
Louisiana.....	38	146	122	-	64	89	-	37	-	-	-
Oklahoma.....	18	531	142	-	20	32	35	2,516	-	-	-
Texas.....	31	7,085	4,403	3	157	180	69	4,960	-	-	18
MOUNTAIN.....	7	1,573	942	-	45	49	56	3,645	-	-	1
Montana.....	-	62	35	-	1	8	6	748	-	-	-
Idaho.....	4	57	89	-	6	11	1	91	-	-	-
Wyoming.....	-	11	-	-	2	-	-	36	-	-	-
Colorado.....	-	183	141	-	16	8	-	1,170	-	-	1
New Mexico.....	1	228	264	-	1	6	36	723	-	-	-
Arizona*.....	2	976	402	-	15	10	13	753	-	-	-
Utah.....	-	35	10	-	3	4	-	124	-	-	-
Nevada.....	-	21	1	-	1	2	-	-	-	-	-
PACIFIC.....	71	2,776	1,078	4	356	544	214	12,117	-	-	-
Washington.....	12	542	62	-	44	56	89	4,477	-	-	-
Oregon.....	46	280	200	2	28	18	11	1,064	-	-	-
California*.....	12	1,626	766	2	281	449	74	4,970	-	-	-
Alaska*.....	1	141	9	-	-	11	6	390	-	-	-
Hawaii.....	-	187	41	-	3	10	34	1,216	-	-	-
Puerto Rico.....	4	931	1,626	-	5	19	7	789	-	-	-
Virgin Islands.....	-	6	41	-	1	-	-	3	-	-	-

\*Delayed reports: Measles: Mass. delete 2, Ariz. 1, Calif. 6, Alaska 2  
Meningococcal infections: Miss. 1, Calif. 6  
Mumps: Ariz. 14, Calif. 38, Alaska 5

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TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
FOR WEEKS ENDED  
OCTOBER 17, 1970 AND OCTOBER 11, 1969 (41st WEEK) - CONTINUED

AREA	RUBELLA		TETANUS		TULAREMIA		TYPHOID FEVER		TYPHUS FEVER TICK-BORNE (Rky. Mt. Spotted)		RABIES IN ANIMALS	
	1970	Cum. 1970	1970	Cum. 1970	1970	Cum. 1970	1970	Cum. 1970	1970	Cum. 1970	1970	Cum. 1970
UNITED STATES.....	407	50,812	5	99	6	127	12	261	3	319	51	2,419
NEW ENGLAND.....	16	2,546	1	4	-	1	-	7	-	-	6	91
Maine.....	-	428	-	-	-	-	-	-	-	-	2	35
New Hampshire.....	-	151	-	-	-	-	-	-	-	-	-	1
Vermont.....	1	57	-	-	-	-	-	-	-	-	3	46
Massachusetts.....	10	1,220	-	2	-	1	-	5	-	-	-	4
Rhode Island.....	2	116	-	-	-	-	-	-	-	-	-	1
Connecticut.....	3	574	1	2	-	-	-	2	-	-	1	4
MIDDLE ATLANTIC.....	17	4,025	-	9	-	2	1	52	-	13	3	213
New York City.....	11	616	-	3	-	-	1	15	-	-	-	-
New York, Up-State..	1	448	-	2	-	1	-	19	-	6	2	197
New Jersey.....	3	860	-	3	-	-	-	10	-	4	-	-
Pennsylvania.....	2	2,101	-	1	-	1	-	8	-	3	1	16
EAST NORTH CENTRAL....	54	10,554	-	18	-	20	4	37	-	9	2	193
Ohio.....	5	2,063	-	1	-	2	3	13	-	8	-	44
Indiana.....	8	1,918	-	7	-	14	-	2	-	-	-	21
Illinois.....	11	1,715	-	4	-	2	-	8	-	1	-	57
Michigan.....	18	2,746	-	6	-	-	1	12	-	-	1	23
Wisconsin.....	12	2,112	-	-	-	2	-	2	-	-	1	48
WEST NORTH CENTRAL....	13	3,318	-	4	-	29	1	9	-	4	10	488
Minnesota.....	3	121	-	1	-	1	-	1	-	-	1	98
Iowa.....	4	2,011	-	1	-	-	-	1	-	1	5	97
Missouri.....	-	424	-	1	-	25	1	3	-	3	2	88
North Dakota.....	2	153	-	-	-	1	-	2	-	-	2	33
South Dakota*.....	-	1	-	1	-	1	-	-	-	-	-	85
Nebraska.....	4	559	-	-	-	-	-	2	-	-	-	6
Kansas.....	-	49	-	-	-	1	-	-	-	-	-	81
SOUTH ATLANTIC.....	81	6,414	1	26	-	14	3	37	3	216	10	479
Delaware.....	2	46	-	-	-	-	-	-	1	5	-	-
Maryland.....	1	321	-	-	-	-	-	9	-	21	-	1
Dist. of Columbia...	-	20	-	1	-	-	-	1	-	-	-	-
Virginia.....	-	715	-	1	-	6	-	8	1	57	3	193
West Virginia.....	43	1,370	-	-	-	-	-	-	-	5	5	125
North Carolina.....	-	43	-	3	-	4	-	2	1	85	-	1
South Carolina.....	1	653	-	1	-	-	-	-	-	35	-	-
Georgia.....	-	-	-	6	-	3	-	8	-	8	2	90
Florida.....	34	3,246	1	14	-	1	3	9	-	-	-	69
EAST SOUTH CENTRAL....	28	2,729	-	13	1	8	-	35	-	36	4	191
Kentucky.....	6	937	-	1	-	2	-	9	-	3	3	105
Tennessee.....	11	1,399	-	4	1	6	-	17	-	22	-	52
Alabama.....	8	300	-	6	-	-	-	8	-	8	1	33
Mississippi.*.....	3	93	-	2	-	-	-	1	-	3	-	1
WEST SOUTH CENTRAL....	20	8,885	2	15	3	33	2	25	-	34	5	398
Arkansas.....	-	34	-	3	1	17	-	7	-	6	1	69
Louisiana.....	-	150	1	4	-	5	1	4	-	1	-	59
Oklahoma.....	-	811	-	-	-	6	-	1	-	22	1	82
Texas.....	20	7,890	1	8	2	5	1	13	-	5	3	188
MOUNTAIN.....	9	2,021	-	-	1	12	1	15	-	6	6	80
Montana.....	1	320	-	-	-	1	-	1	-	1	-	1
Idaho.....	-	195	-	-	-	-	-	-	-	2	-	-
Wyoming.....	-	134	-	-	-	-	-	2	-	1	-	3
Colorado.....	2	401	-	-	-	-	-	3	-	2	-	34
New Mexico.....	2	215	-	-	-	-	-	6	-	-	3	14
Arizona*.....	3	593	-	-	-	-	1	2	-	-	-	13
Utah.....	1	163	-	-	1	11	-	1	-	-	-	2
Nevada.....	-	-	-	-	-	-	-	-	-	-	3	13
PACIFIC.....	169	10,320	1	10	1	8	-	44	-	1	5	286
Washington.....	41	4,703	-	2	-	2	-	4	-	-	-	9
Oregon.....	11	888	-	3	1	2	-	1	-	-	-	4
California.*.....	115	4,419	1	5	-	4	-	36	-	1	5	264
Alaska*.....	-	99	-	-	-	-	-	2	-	-	-	9
Hawaii.....	2	211	-	-	-	-	-	1	-	-	-	-
Puerto Rico.....	-	27	-	11	-	-	-	4	-	-	-	41
Virgin Islands.....	-	1	-	-	-	-	-	1	-	-	-	-

\*Delayed reports: Rubella: Miss. 11, Ariz. 2, Calif. 83, Alaska 1  
Typhoid fever: Calif. 1  
Rabies in animals: S. Dak. 25, Ariz. 1, Calif. 6

# Morbidity and Mortality Weekly Report

Week No. 41 TABLE IV. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED OCTOBER 17, 1970

(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>	665	411	60	24	<b>SOUTH ATLANTIC:</b>	1,129	569	47	47
Boston, Mass.-----	204	115	30	5	Atlanta, Ga.-----	131	60	5	6
Bridgeport, Conn.-----	42	28	5	1	Baltimore, Md.-----	225	123	5	9
Cambridge, Mass.-----	26	16	8	—	Charlotte, N. C.-----	45	15	—	2
Fall River, Mass.-----	18	11	—	1	Jacksonville, Fla.-----	97	43	1	8
Hartford, Conn.-----	62	33	—	8	Miami, Fla.-----	105	48	3	6
Lowell, Mass.-----	22	16	2	—	Norfolk, Va.-----	64	33	8	3
Lynn, Mass.-----	25	19	1	1	Richmond, Va.-----	90	46	8	4
New Bedford, Mass.-----	21	15	—	—	Savannah, Ga.-----	30	16	1	—
New Haven, Conn.-----	47	25	—	1	St. Petersburg, Fla.-----	77	56	2	—
Providence, R. I.-----	62	38	3	3	Tampa, Fla.-----	69	42	2	4
Somerville, Mass.-----	12	9	—	1	Washington, D. C.-----	143	63	7	3
Springfield, Mass.-----	47	34	8	—	Wilmington, Del.-----	53	24	5	2
Waterbury, Conn.-----	21	13	—	—					
Worcester, Mass.-----	56	39	3	3	<b>EAST SOUTH CENTRAL:</b>	650	358	24	43
<b>MIDDLE ATLANTIC:</b>	3,046	1,776	121	118	Birmingham, Ala.-----	88	56	3	2
Albany, N. Y.-----	40	26	3	4	Chattanooga, Tenn.-----	46	28	5	1
Allentown, Pa.-----	29	19	6	3	Knoxville, Tenn.-----	35	26	—	—
Buffalo, N. Y.-----	157	89	4	8	Louisville, Ky.-----	139	69	9	4
Camden, N. J.-----	32	19	1	—	Memphis, Tenn.-----	158	79	2	25
Elizabeth, N. J.-----	25	16	1	—	Mobile, Ala.-----	38	18	—	5
Erie, Pa.-----	45	24	7	1	Montgomery, Ala.-----	25	14	2	2
Jersey City, N. J.-----	73	39	5	3	Nashville, Tenn.-----	121	68	3	4
Newark, N. J.-----	86	41	4	4	<b>WEST SOUTH CENTRAL:</b>	1,204	596	36	78
New York City, N. Y.-----	1,601	929	37	59	Austin, Tex.-----	40	23	4	2
Paterson, N. J.-----	55	33	5	5	Baton Rouge, La.-----	37	22	1	1
Philadelphia, Pa.-----	299	165	3	11	Corpus Christi, Tex.-----	38	15	1	3
Pittsburgh, Pa.-----	179	97	10	11	Dallas, Tex.-----	171	75	3	10
Reading, Pa.-----	45	33	—	—	El Paso, Tex.-----	37	20	4	5
Rochester, N. Y.-----	122	77	14	4	Fort Worth, Tex.-----	92	41	5	9
Schenectady, N. Y.-----	33	25	6	2	Houston, Tex.-----	233	97	5	11
Scranton, Pa.-----	36	27	1	—	Little Rock, Ark.-----	53	31	—	6
Syracuse, N. Y.-----	86	56	2	2	New Orleans, La.-----	139	66	—	11
Trenton, N. J.-----	41	20	3	—	Oklahoma City, Okla.-----	99	63	2	6
Utica, N. Y.-----	25	18	6	1	San Antonio, Tex.-----	141	71	3	8
Yonkers, N. Y.-----	37	23	3	—	Shreveport, La.-----	43	28	2	3
<b>EAST NORTH CENTRAL:</b>	2,564	1,466	87	131	Tulsa, Okla.-----	81	44	6	3
Akron, Ohio-----	52	26	1	4	<b>MOUNTAIN:</b>	515	284	19	30
Canton, Ohio-----	42	24	1	4	Albuquerque, N. Mex.-----	64	36	7	3
Chicago, Ill.-----	718	399	20	33	Colorado Springs, Colo.-----	38	16	1	4
Cincinnati, Ohio-----	135	82	6	8	Denver, Colo.-----	124	53	5	10
Cleveland, Ohio-----	197	110	2	10	Ogden, Utah-----	29	22	3	—
Columbus, Ohio-----	137	90	3	11	Phoenix, Ariz.-----	111	66	—	4
Dayton, Ohio-----	73	40	—	3	Pueblo, Colo.-----	30	20	1	1
Detroit, Mich.-----	379	207	17	25	Salt Lake City, Utah-----	59	31	2	6
Evansville, Ind.-----	42	27	2	1	Tucson, Ariz.-----	60	40	—	2
Flint, Mich.-----	43	20	2	3	<b>PACIFIC:</b>	1,351	813	36	51
Fort Wayne, Ind.-----	43	28	5	2	Berkeley, Calif.-----	17	12	1	—
Gary, Ind.-----	41	16	3	2	Fresno, Calif.-----	45	31	—	3
Grand Rapids, Mich.-----	44	31	4	2	Glendale, Calif.-----	30	23	—	—
Indianapolis, Ind.-----	169	92	1	3	Honolulu, Hawaii-----	45	24	2	4
Madison, Wis.-----	28	17	3	2	Long Beach, Calif.-----	80	50	2	3
Milwaukee, Wis.-----	123	75	1	3	Los Angeles, Calif.-----	330	198	5	—
Peoria, Ill.-----	47	30	—	3	Oakland, Calif.-----	79	43	2	7
Rockford, Ill.-----	38	25	6	2	Pasadena, Calif.-----	27	22	2	—
South Bend, Ind.-----	50	33	4	2	Portland, Oreg.-----	120	71	2	7
Toledo, Ohio-----	98	62	4	4	Sacramento, Calif.-----	62	40	1	1
Youngstown, Ohio-----	65	32	2	4	San Diego, Calif.-----	85	52	—	2
<b>WEST NORTH CENTRAL:</b>	834	513	23	48	San Francisco, Calif.-----	170	97	7	12
Des Moines, Iowa-----	40	23	—	3	San Jose, Calif.-----	57	35	4	2
Duluth, Minn.-----	26	16	2	1	Seattle, Wash.-----	119	63	3	8
Kansas City, Kans.-----	34	19	1	3	Spokane, Wash.-----	42	27	4	2
Kansas City, Mo.-----	137	83	4	4	Tacoma, Wash.-----	43	25	—	—
Lincoln, Nebr.-----	31	20	—	—	<b>Total</b>	<b>11,958</b>	<b>6,786</b>	<b>453</b>	<b>570</b>
Minneapolis, Minn.-----	123	75	6	10	<b>Expected Number</b>	<b>12,304</b>	<b>7,012</b>	<b>407</b>	<b>541</b>
Omaha, Nebr.-----	75	45	1	4	<b>Cumulative Total</b> (includes reported corrections for previous weeks)	<b>526,495</b>	<b>300,107</b>	<b>20,488</b>	<b>25,043</b>
St. Louis, Mo.-----	233	144	3	11					
St. Paul, Minn.-----	83	58	1	8					
Wichita, Kans.-----	52	30	5	4					
Las Vegas, Nev.*	29	13	2	2					

\*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  
FOLLOW-UP HISTOPLASMOSIS - Delaware, Ohio

A common-source outbreak of histoplasmosis occurred early in May 1970 (MMWR, Vol. 19, No. 33) in a junior high school in Delaware, Ohio. Forty percent (354) of the students were clinically ill, and 85 percent had serologic tests positive for *Histoplasma capsulatum*.

The outbreak was traced epidemiologically to Earth Day (April 22) activities, which included raking and sweeping the courtyard in the center of the school, which is known to be an old bird roost. The school's forced-air system has its intake on this courtyard, and from here air is distributed throughout the building. *H. capsulatum* has now been cultured from four of eight soil samples from the courtyard and from one of the ventilation system fans. None of 80 soil samples from elsewhere around the school building have been positive.

The courtyard was treated over the Labor Day weekend with three separate applications of 3 percent formalin, a procedure that has been demonstrated to be effective in eradicating this fungus from soil.

(Reported by the Mycoses Section, Ecological Investigations Program, and the Viral Diseases Branch, Epidemiology Program, CDC.)

INTERNATIONAL NOTES  
QUARANTINE MEASURES

*Changes in the "Supplement - Vaccination Certificate Requirements for International Travel,"*  
MMWR, Vol. 19, No. 21

The following changes should be made in the Vaccination Certificate Requirements for International Travel:

**Algeria**

In the note concerning cholera insert: Tunisia.

**Bulgaria**

In the note concerning cholera insert: Sierra Leone.

**Nigeria**

Delete the note concerning cholera and insert: Cholera - And from all countries any parts of which are infected and Guinea.

**Union of Soviet Socialist Republics**

In the note concerning cholera insert: Sierra Leone, Trucial Oman, Tunisia.

THE MORBIDITY AND MORTALITY WEEKLY REPORT, WITH A CIRCULATION OF 21,000 IS PUBLISHED AT THE CENTER FOR DISEASE CONTROL, ATLANTA, GEORGIA.

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EDITOR

MICHAEL B. GREGG, M.D.

IN ADDITION TO THE ESTABLISHED PROCEDURES FOR REPORTING MORBIDITY AND MORTALITY, THE CENTER FOR DISEASE CONTROL WELCOMES ACCOUNTS OF INTERESTING OUTBREAKS OR CASE INVESTIGATIONS WHICH ARE OF CURRENT INTEREST TO HEALTH OFFICIALS AND WHICH ARE DIRECTLY RELATED TO THE CENTER FOR DISEASE CONTROL. SUCH COMMUNICATIONS SHOULD BE ADDRESSED TO:

CENTER FOR DISEASE CONTROL  
ATTN: THE EDITOR  
MORBIDITY AND MORTALITY WEEKLY REPORT  
ATLANTA, GEORGIA 30333

NOTE: THE DATA IN THIS REPORT ARE PROVISIONAL AND ARE BASED ON WEEKLY TELEGRAMS TO THE CDC BY THE INDIVIDUAL 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.

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