NATIONAL COMMUNICABLE DISEASE CENTER

Morbidity and Mortality

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WEEKLY
REPORT

For
Week Ending

January 10, 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 FATAL MALARIA - Wisconsin

On Nov. 7, 1969, a 21-year-old serviceman returned to the United States from Vietnam on emergency leave to attend his father's funeral. He had brought no malarial suppressive drugs with him. Three days later, he experienced an episode of fever, chills, and anorexia. On November 18, he consulted a physician because of persistence of these symptoms, was told he had "flu", and was sent home. Two days later, he consulted a second physician who told the patient that malaria was a possibility, but the patient refused both a blood test and hospitalization.

On November 21, he was admitted to a civilian hospital with fever, chills, tachycardia, and restlessness and was treated with penicillin, digitalis, aspirin, and diazepam. Three days later, a peripheral smear showed a

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very heavy infection with Plasmodium falciparum, and therapy was begun with oral quinine and chloroquine. Intravenous quinine, whole blood transfusions, and sedatives were given because the patient demonstrated hypotensive episodes, a hematocrit of 22 percent, and neurologic abnormalities which included altered states of consciousness and pathologic reflexes. He expired on November 27.

(Continued on page 2)

TABLE I. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

- 12	1st WEEF	ENDED	MEDIAN	CUMULATIVE, FIRST WEEK				
DISEASE	January 10, 1970	January 4, 1969	1965 - 1969	1970	1969	MEDIAN 1965 - 1969		
Aseptic meningitis	36	18	28	36	18	28		
	1		1000	1	-	1		
Encephalitis primary:	3	3	1	3	3	1		
Cillifonoid-horno & unangolifical	15	11	16	15	11	16		
	ı g	2	5	9	2	5		
lepatitis infectious	127 946	88 644	675	127 946	88 644	675		
lalaria	44	27	19	44	27	19		
easles (rubeola) .	520	154	1,128	520	154	1,128		
	47	35	42	47	35	42		
	43	35	41	43	35	41		
Military	4	_	1	4	-	1		
	1,769	1,386		1,769	1,386	2.00		
oliomyelitis, total	-	-	-	-	_	-		
Paralytic ubella (German manala)	_	_	-	-	-	-		
ubella (German measles)	513	231		513	231	N.(*) */**		
	-	2	2	_	2	2		
alaremia Yphoid fever	_	3	3	-	3	3		
yphoid fever	3	8	2	3	8	2		
	-	1	2	-	1	2		
abies in animals	46	45	68	46	45	68		

TABLE II. NOTIFIABLE DISEASES OF LOW FREQUENCY

Anthro	Cum.		Cum.
Anthrax: Botulism:	-	Psittacosis: Conn1	
Leprosv.	7,000	Rabies in Man:	
Leptospirosis:	-	Rubella congenital syndrome:	
Plague:	-	Trichinosis: La1	
	-	Typhus, murine:	0.2
D .		3339	

Delayed reports (1969): Typhus, murine: Tex. 1 LIBRARY

MALARIA - (Continued from front page)

Postmortem examination of the brain showed multiple septic infarcts, malarial pigment, and edema. The spleen contained malarial pigment and red blood cells with malarial parasites. There was bilateral acute pulmonary edema. (Reported by H. Grant Skinner, M.D., Director, Bureau of Preventable Diseases, Wisconsin State Division of Health.) **Editorial Comment**

Eight cases of fatal malaria, all due to P. falciparum, occurred in the United States and were reported to NCDC during 1969. In 1968, there had been six deaths reported. While military cases accounted for 95 percent of the malaria cases diagnosed in this country in 1969, only three of the fatalities were Vietnam veterans. The five civilian fatalities included four American citizens who acquired their infection in Africa and a transfusion-induced case in which the probable infected donor had served in Vietnam (Table 1).

Four of these five civilians had no history of taking the recommended regimen of chloroquine.* One civilian did not consult a physician before he died; the diagnosis was made in two other civilians only at autopsy. Six of the fatal cases in persons who consulted a physician experienced a delay of 1 to 11 days (mean 5.2 days) before the diagnosis of malaria was established. In several instances, a review of the original blood smears showed malaria parasites. These deaths emphasize the need for Americans going to malarious regions to take malaria chemosuppressives and the need for physicians to consider the diagnosis of malaria in febrile patients with a history of recent travel or transfusions.

Table 1 Malaria Fatalities - 1969 (All Due to P. falciparum)

			Country of	Military or		Intervals (Days)	
Fatality	Age	Sex	Acquisition	Civilian	Time of Return to Onset of Symptoms	Delay in Making Correct Diagnosis*	Onset to Death
1	64	M	(Transfusion)	Civ.	(21)	3	22
2	69	F	E. Africa	Civ.	10	1	6
3	41	M	S. Africa	Civ.	2	-**	7
4	20	M	Vietnam	Mil.	coincident	7	18
5	22	M	Vietnam	Mil.	10	= 3	8
6	71	F	E. Africa	Civ.	9	unknown***	10
7	50	M	W. Africa	Civ.	1	11***	12
8	21	M	Vietnam	Mil.	3	6	17

^{*}Interval from time when physician first consulted to time when correct diagnosis made.

CURRENT TRENDS INFLUENZA — United States

A survey of state and territorial health officers on January 12 and 13 indicated that, at present, only the expected seasonal incidence of respiratory illness is occurring in each of the nine major geographic divisions in the United States with a few scattered influenza isolates reported. Findings of this survey in the divisions included the following:

New England: An outbreak of influenza with approximately 100 cases was reported from Vergennes, Vermont. Four isolates of Hong Kong-like A2 influenza were documented and several sera showed elevated titers. School absenteeism was significantly elevated in this area. Similar outbreaks of influenza-like illness were reported from Londonberry and Williston, as well as a sizable number of cases at a plant in Burlington. School absenteeism was beginning to rise during the current week in Burlington.

In Manchester, New Hampshire, two schools reported absentee rates of 22 and 40 percent, respectively, this week because of flu-like illnesses. A seroconversion for influenza A was documented from a single case in Concord.

Mild influenza activity has been occurring in the Hartford, Connecticut, area; nine isolates of Hong Konglike A2 influenza and two seroconversions were documented. School absenteeism has not been excessive so far this season.

Middle Atlantic: An outbreak of influenza-like illness occurred at a university in Buffalo, New York, just before Christmas recess. Eight isolates of A2/Hong Kong-like strains were obtained. No further illness was reported from this student group after the recess.

In New York City, a slight excess in the influenzapneumonia mortality figures during the past several weeks has been attributed to the unseasonably cold weather during this period rather than to influenza since there has been no excessive school or industrial absenteeism and no

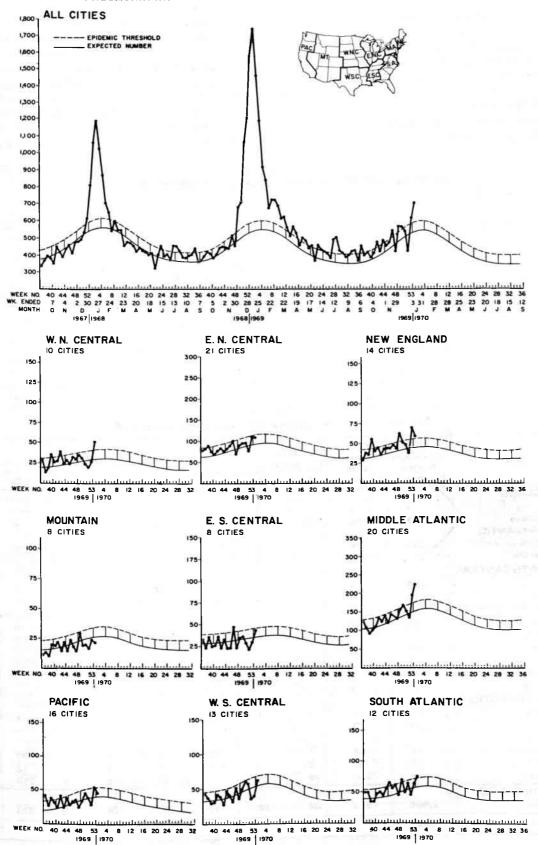
(Continued on page 7)

^{*500} mg. of chloroquine phosphate once each week, starting the week prior to possible exposure and continuing throughout the time spent in areas in which transmission may occur and for 4 to 6 weeks thereafter, is recommended.

^{**}Did not consult physician.

^{***}Diagnosis made at postmortem examination.

Figure 1
PNEUMONIA-INFLUENZA DEATHS IN 122 UNITED STATES CITIES



CURRENT TRENDS ASEPTIC MENINGITIS — United States 1968

Enterovirus-Associated Aseptic Meningitis

In the United States in 1968, a total of 4,494 cases of aseptic meningitis were reported to the NCDC. This was the highest number reported since 1963 (Figure 2). The summer peak noted for the years 1963 through 1967 was also evident in 1968. Tabulation of cases by state for the years 1963-1968 (Table 2) showed significant annual fluctuation in case reports for many states, reflecting in some instances recognized known outbreaks of aseptic meningitis.

In addition to reporting total numbers of cases on a weekly basis, some states routinely submitted line listings of cases of aseptic meningitis from which an enteroviral agent was isolated. In 1968, reports were received from 15 states on 553 cases of aseptic meningitis associated with specific enteroviral types (Table 3). The enteroviruses most commonly reported were echovirus type 30 (313 cases from seven states) and echovirus type 9 (95 cases from 11 states).

(Continued on page 6)

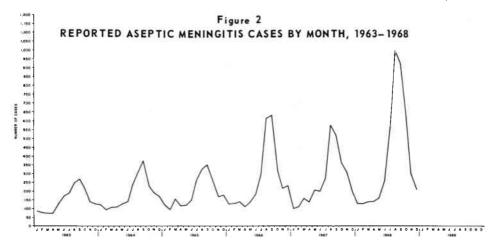


Table 3
Enteroviral Agents Associated with Aseptic Meningitis, 1968

Area	1968 Total Cases Aseptic	Cases Associated With	Co sacl			E	choviruses			Othe
	Meningitis	Enterovirus	В3	B5	E 6	E 9	E12	E16	E30	
NEW ENGLAND										
Maine	4	1		1						
Connecticut	17	16	3		1	3	1		6	2
MIDDLE ATLANTIC										
New York City	272	25	1	1		1			20	2
New Jersey	361	20	5	3	2	3	1			6
EAST NORTH CENTRAL]							
Ohio	284	14				14				
Indiana	38	1		1						
WEST NORTH CENTRAL					Ì					
Missouri	19	18				1	1		15	1
SOUTH ATLANTIC										
Virginia	106	2		1						
North Carolina	35	26		4	2	16				4
EAST SOUTH CENTRAL										1
Tennessee	173	3				3				
WEST SOUTH CENTRAL										
Louisiana	157	8	1	1	1				1	4
Texas	219	3				2				1
PACIFIC					i					
Washington	56	48	1		1	3	1		39	3
Oregon	59	32	4	2	5	5	2		12	2
California	1,164	336	19			44	18	8	220	47
TOTAL FOR STATES					14 J K				-	1
REPORTING	2,964	553	34	14	12	95	24	8	313	72
U.S. TOTAL	4,494					-	¥			1

Table 2
Reported Cases of Aseptic Meningitis
by State and Year, 1963-1968

New Hampshire 1	AREA	1963	1964	1965	1966	1967	1968
Maine 10	UNITED STATES	1,844	2,177	2,329	3,058	3,082	4,494
New Hampshire	IEW ENGLAND	99	42	70	227	58	154
New Massachusetts	Maine	10	4	5	9	1	4
MASSACHUSENTS 16	New Hampshire	1	0	0	0	2	0
Bhode Island 21 20 16 67 17 4 4 4 4 4 4 4 4 4	Vermont	50	1	0	2	1	0
DODINE STATE 1 3 5 14 4 MIDDLE ATLANTIC 244 268 220 332	Massachusetts	16	14	44	135	33	87
		21			67	17	46
New York 116 98 61 46 41 91 98 86 146 41 91 98 86 146 41 91 98 86 146 41 91 98 86 146 41 91 98 86 146 41 91 98 36 36 36 36 36 36 36 3	Connecticut	1	3	5	14	4	17
Upstate New York 92 72 56 174 146 366 367 377 59 137 387 3	IDDLE ATLANTIC	244	268	220	392	332	861
DBST48 New York 98	New York City	116	44	54	95	86	272
Pannsylvania 36	Upstate New York∫	116	98	61	46	41	91
AST NORTH CENTRAL Ohio Ohio Ohio Ohio Ohio Ohio Ohio Ohio	New Jersey	92	72	56	174	146	361
Ohio		36	54	49	77	59	137
Ohio Indiana Indiana 46 62 Indiana 55 44 79 284 Indiana Indiana Indiana 18 11 54 28 29 38 Illinois 90 106 128 91 147 32 Indiana 29 Indiana 28 Indiana 29 Indiana 28 Indiana 29 Indiana 38 Indiana 29 Indiana 28 Indiana 29 Indiana 38 Indiana 29 Indiana 28 Indiana 29 Indiana 29 Indiana 29 Indiana 29 Indiana 29 Indiana 30 Indiana	AST NORTH CENTRAL	297	304	390	307	364	687
Illinois 90 106 128 91 147 268 119 118 94 268 119 118 94 268 119 118 94 268 119 118 94 268 119 118 94 268 119 118 94 268 119 118 94 268 119 118 94 268 119 118 94 268 119 118 118 94 268 119 118 118 94 268 119 119 118 94 268 119 119 118 94 268 119 119 118 94 268 119 119 118 94 268 119 119 118 94 268 119 119 118 94 268 119 119 118 94 268 119 119 118 94 268 119 119 118 94 268 119 119 118 94 268 119 119 118 94 268 119 119 118 94 268 119 119 118 94 268 119 119 118 119 118 119 1		46	62	55	44	79	284
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VEST NORTH CENTRAL	Michigan	125	107	119	118	94	265
Minnesota	Wisconsin	18	18	34	26	15	8
Minnescta	VEST NORTH CENTRAL	95	140	159	104	135	163
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South Dakota	North Dakota	1	2	0	0		12
Nebraska 1					1		
Kansas			4	1	3	0	3
Delaware		0	24	2	17	17	5
Delaware	OUTH ATLANTIC		165	173		578	
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ASEPTIC MENINGITIS - (Continued from page 4)

Nonpolio Enterovirus Isolations

Although there has been no formal system of enteroviral surveillance, some state health departments reported to the NCDC all enteroviruses, regardless of clinical syndrome, isolated by their laboratories. For 1968, data from this system were supplemented by reports of isolations made from specimens submitted to the NCDC laboratories. Analysis of the total isolates from both state and NCDC laboratories showed that in 1968, 30 states reported at least one enterovirus isolation (Table 4). A summary of the total reported nonpolio enterovirus isolates by type since 1961 (Table 5) showed that reports of isolation of a specific

virus varied greatly from year to year, particularly among the Coxsackie B group.

(Reported by the Neurotropic Viral Diseases Unit, Viral Diseases Branch, Epidemiology Program, and the Enteric Virology Unit, Virology Section, Laboratory Division, NCDC.)

A copy of the report from which these data were derived is available on request from $\,$

National Communicable Disease Center Attn: Viral Diseases Branch, Epidemiology Program Atlanta, Georgia 30333

Table 4
Enteroviral Isolations in 30 States, 1968

Area			C	Coxsact	kie Typ	es						Echovi	irus Ty	pes				
Area	Total	Α9	A16	В2	В3	В4	B5	E1	E3	E4	E6	E7	E9	E11	E12	E14	E30	Other
NEW ENGLAND Maine Massachusetts Connecticut	11 7 64	2	5 10	1	8	1 6	2 1 1	3		3	1 1	1 2	3		8	2	2	1 2 5
MIDDLE ATLANTIC New York City New York State New Jersey Pennsylvania	35 1 49 109	1		4	3 10 2	2	2 3 2	1	1	1 1 9	4	1	2 23 65	2 2 5	1 2	1	20	1 1 17
EAST NORTH CENTRAL Ohio Indianà Illinois Michigan	35 2 10 57	2	1 1	12	3	1	3 1 3		3	1	1 2		28 1 19	1 1		3 1	2	3 2 4
WEST NORTH CENTRAL Minnesota Kansas	67 19	8		3	14 9	9					6	1	26 4					1
SOUTH ATLANTIC Maryland District of Columbia Virginia North Carolina Georgia Florida	3 7 27 48 5		6 4	1 3	1	1 1 1	2 10 1		6		3	2	15 25 2				1	1 3 1 1
EAST SOUTH CENTRAL Tennessee Mississippi	4 3				- 1								3					1 2
WEST SOUTH CENTRAL Louisiana Oklahoma Texas	38 1 4		1	2	1	4	1						3			18	7	2
MOUNTAIN Montana Colorado Arizona Utah	3 3 2 6	1	1		1								2				1	2
PACIFIC Washington Oregon Alaska	57 43 1	1	1 5	2 2	2	1 4 1	1 2	3			4 5	1	3		1		39 12	2
TOTAL U.S.	724	15	35	36	59	35	35	7	11	15	28	8	236	11	12	26	101	54

	Table 5	
Nonnolio	Enterovirus Isolations.	1961-1968**

v	No. States			ECH	IO Typ	es					C	oxsack	ie Type	S			
Year	Reporting	4	6	9	11	14	30	Other	А9	A16	B 1	В2	B 3	В4	B5	Other	TOTAL
1961	40			42	73	•	0	138				119	•	112	747	89	1,320
1962	34	54	•	107	23	16	•	75	15	•	15	57	119	7	32	100	620
1963	28	72	•	88	32	27	0	120	91		137	28	11	44	6	65	721
1964	23	34		42	18	7	1	111	49		33	52	0	66	5	41	459
1965	23	1	68	171	14	13	•	67	8		6	59	3	22	38	16	486
1966	21	14	29	73	3	8	0	58	18	14	1	34	2	4	27	23	308
1967	19	7	18	99	3	2	0	35	21	9	2	10	2	0	188	11	407
1968	30***	15	28	236	11	26	101	74	15	35	3	36	59	35	35	15	724

^{*}Included in "Other" Column

INFLUENZA - (Continued from page 2)

laboratory documented isolates or seroconversions. In addition, a routine serologic survey recently documented only a minimal rise in titer.

South Atlantic: A number of patients with influenza-like illness were seen during the past week at the emergency room of a hospital in Baltimore and seem to be coming from a relatively localized area in the eastern part of the city. Hong Kong-like A2 influenza was isolated from two patients at this same hospital. Because there has been no excessive absenteeism and no increase in pneumonia-influenza deaths, the current cases may represent only sporadic occurrences rather than an outbreak.

A statewide increase in incidence of upper respiratory illness associated with prominent gastrointestinal symptoms of short duration has been occurring in Delaware since Christmas. School and industrial absenteeism has not been elevated. No laboratory results are available at present.

An outbreak of approximately 300 cases of flu-like illness has been reported from Portsmouth, Virginia, an area which did not report influenza last year. No laboratory studies are available at present. About 100 cases of flu-like illness were reported from Montgomery County. School and industrial absenteeism has not been excessive elsewhere in the state.

A single seroconversion for Hong Kong A2 influenza has been documented from Titusville, Florida.

East North Central: Two isolates of Hong Kong-like A2 influenza have been confirmed from Tecumseh, Michigan, and one from a university student health service; all were thought to represent sporadic cases.

West North Central: During the first week in December, three seroconversions were documented in Minnesota, and none since. These cases were considered to be sporadic.

Attempts to find an etiologic agent for the outbreak of flu-like illness at a state university in Kansas proved unsuccessful, and the illness is now considered to be of a nonspecific viral nature.

The previously mentioned outbreak of flu-like illness in Des Moines (MMWR, Vol. 18, No. 50) proved to be of

short duration and mild severity, and no etiologic agent was demonstrated.

East South Central: The expected seasonal occurrence of upper respiratory illness has been documented in these states except for Mississippi where the level of reported illness is somewhat below the expected level.

West South Central: Only the expected seasonal incidence is being reported in these states.

Mountain: Single seroconversions for A2 influenza have been documented in Albuquerque and Denver and represented sporadic cases.

Pacific: A single seroconversion was noted in Oregon. In Washington, four isolates of A2 Hong Kong-like influenza have been obtained and are thought to represent sporadic cases.

The outbreaks previously described in Alaska (MMWR, Vol. 18, Nos. 47, 48, 50, and 53) have diminished, though excessive absenteeism continues in Juneau.

A general increase in the level of upper respiratory illness has been documented during the past several weeks in Hawaii along with a noticeable increase in school absenteeism. However, only one definite outbreak of respiratory illness has been documented. Approximately 200 cases from a small area in rural Oahu have been reported, and about 50 percent of these patients had pneumonitis. Laboratory studies are in progress. There have been approximately seven seroconversions for Hong Kong A2 influenza during the past several months, and these were thought to represent sporadic cases.

Pneumonia-influenza deaths in 122 U.S. cities showed the usual expected fluctuation along the baseline (Figure 1, p. 3). It is too early to evaluate the significance of the slight rise seen during the past 2 weeks. This is in marked contrast to the sharp peak seen at this time last year during the epidemic of A2 Hong Kong influenza.

(Reported by Respiratory Disease Unit, Viral Disease Branch, Epidemiology Program, NCDC.)

^{**}Reporting system established in 1961.

^{***}Includes isolations made at NCDC.

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED JANUARY 10, 1970 AND JANUARY 4, 1969 (1st WEEK)

	ASEPTIC	BRUCEL-	DIPH-	E	NCEPHALITI	S		HEPATITIS			
AREA	MENIN- GITIS	LOSIS	THERIA	1 -	including cases	Post In- fectious	Serum	Infec	tious	MALAI	RIA
	1970	1970	1970	1970	1969	1970	1970	1970	1969	1970	Cum. 1970
UNITED STATES	36	1 -	3	15	11	9	127	946	644	44	44
NEW ENGLAND		_	_	2	_	_	6	119	43	2	2
Maine.	-	_	_	_	_	_	_	23	6	_	_
New Hampshire	- 1	_	_	_	_	_	_	4	2	_	-
Vermont	-	-	-	_	-	-	-	1	-	1	1
Massachusetts	-	_	-	<u> </u>	-	_	-	64	21	_	-
Rhode Island		_	_		_	_	6	11	8	1	1
Connecticut	_	_	_	'	_	_	0	16	6	_	-
MIDDLE ATLANTIC	7	-	-	1	-	2	60	241	130	4	4
New York City	_ 1	_	-	_	-	_	27	57	71	l -	-
New York, Up-State	5	_	_	_	_	_	8 14	48 60	5 12	1	1
New Jersey	1	_	_	1	1 =	2	11	76	42	3	3
Pennsylvania	294		1,000			_	• • •	, ,	72	_	-
EAST NORTH CENTRAL	1		-	3	8	3	14	161	62	3	3
Ohio	-	-	i -	1	3	3	3	42	25	3	3
Indiana	-	-	-	-	2 3	- 1	_	-	_	-	-
Illinois	7 4	-	1 1	2	_	-	-	1	5	_	-
Michigan	1140	_	_		-	_	11 -	113 5	27 5	_	
Wisconsin							_	,	,	_	-
WEST NORTH CENTRAL	-	1	1 –	_	i –	1	_	17	28	-	_
Minnesota*	-	-	-	_	-	_	_	2	3	_	_
Iowa,*		-	-	-	-	1	_	10	4	_	_
Missouri	- 1	1	-] -	-	-	-	1	19	-	-
North Dakota		_	-	-	-	-	-	-	-	-	-
South Dakota.			_	_	-	-	-	1	_	-	-
Nebraska		_	_	_	_	_	-	3	2	-	-
Kansas			_	_	_	! -	-	_	_	_	-
SOUTH ATLANTIC	4	_	3	2	_	-	7	83	90	16	16
Delaware	1 [_	-	1	_	_	_	3	2	1.5	_
Maryland	- 1	_	-	_	_	- 1	1	17	6	5	5
Dist. of Columbia	- !	-		-	-	-	_	- 1	_	l –	_
Virginia	-	-	-	l -	-	-	_	14	5	1	1
West Virginia	_	_	_	1	_	-	=	5	9	- '	-
North Carolina	_ [_		_	_	_	2	4	11	1	1
South Carolina	_		_		_		2	19 10	4 21	7	- 7
Florida	3	_	3	_	_	_	2	11	32	2	2
							_	138		_	-
EAST SOUTH CENTRAL	3	-	-	i -	-	1	_	60	61	: 	-
Kentucky	1		-	-	-	- 1		36	24	-	-
Tennessee	1	-	-	_	-	1	-	17	21	_	-
Alabama		_	_	_	_	_	_	5 2	10 6	-	-
Mississippi					_	_	_	2	0	_	-
VEST SOUTH CENTRAL	2	-	_	1	_	_	2	44	55	3	3
Arkansas	-	-	-	-	-	-	_	2		_	-
Louisiana.	-	-	-		-	-	-	3	8	_	-
Oklahoma.	2	-	_	-	-	-	-	6	15	2	2
Texas.*	-		-	1	_	-	2	= 33	32	1	1
OUNTAIN	_	-	_	1	1	-	4	28	30	1	1
Montana.			_	i	i	_	_	26	5		h
Idaho.	_	_		_		_	2	11	1	1	1
Wyoming	-	-	-		- 1	_	_	1	_		_
Colorado	-	- v	-	-	-	-	_	-	_	_	-
New Mexico	-	-	~	-	-	-	-	4	5	_	_
Arizona	_	-	-	-	- 1	-	1	6	9	-	_
Utah					_	-	1	6	4	-	-
Nevada	i		_		-		_	,-	6	-	-
PACIFIC	19	_		5	2	2	34	193	145	15	15
Washington.	6	_	_	1	_	-		21	7	4	4
Oregon		_	_	-	_	_	1	10	9	1	l i
California	13	-	-	4	2	2	33	153	126	10	10
Alaska	-	-	- 3	-	-		-	1	1	-	_
Hawaii			-		-		_	8	2		
uerto Rico				-	-	#		Œ	-		
irgin Islands							-	-	-	-	-

*Delayed reports (1969): Aseptic meningitis: Ariz. 1
Diphtheria: La. delete 1, Tex. 3
Hepatitis, infectious: S.C. delete 2
Malaria: Minn. 16, Iowa 1

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

JANUARY 10, 1970 AND JANUARY 4, 1969 (1st WEEK) - CONTINUED

							1				
- U v	MEA	SLES (Rube	ola)	MENINGO	COCCAL INF	ECTIONS,	MUM	rps	PO	LIOMYELITI	s
AREA		Cumu1	ative	-	Cumula	ative		Cum.	Total	Paral	ytic Cum,
	1970	1970	1969	1970	1970	1969	1970	1970	1970	1970	1970
UNITED STATES	520	520	154	47	47	35	1,769	1,769		-	-
NEW ENGLAND	6	6	11	1	1	2	326	326	2	22	2 3
	2	20	2	_	=	-	74	74	_	_	-]
"C" Hampahite	_	_	12		_	_	43	43	-	-	>
Vermont	5		1	1	1	1	72	2 72	_	= =	<u> </u>
Land Bland	=	5	-	×=	1=1	-	64	64	_	_	I -
Connecticut	1	1	8	7.5 4	:	1	71	71	_	-	-
MIDDLE ATLANTIC	54	54	50	5	5	3	211	211	10000		
	17	17	27	3		1	90	90	-	-	20
	6	6	1	1	1	1	NN	NN	_	## C	
	26	26	13	2	2	i -	50	50	-	-	==
yania	5	5	9	2	2	1	71	71	π	20	
Chic	75	75	11	3	3	5	383	383	_	-	
	61	61		1	1	177	33	33	-	-	-
	1	1	3	=	1.00	-	49	49	-	- 50	7.0
Illinois. Michigan. Wisconsin	6	6 6	4	== 1	1	2	50 87	50 87		3	Ξ.
Wisconsin	1	1	3		i	_	164	164	<u> </u>	<u> </u>	<u> </u>
WEST NORM						GP-6	"		5000	5007	Hittle
WEST NORTH CENTRAL Minnesota	79	79	9	-	-	_	64	64	_	-	-
	_	, <u>=</u>	4		_	_	5 38	5 38	_	<u> </u>	2 -
		_	2	_	-	_	6	6	Ξ	_	- 5
	2	2	:≃	-	-	-	13	13	_	_	20
	#1	~		12	7=	-	NN	NN	-	-	-
Nebraska Kansas	77	77	5	-	=	_	2	2	_	_	-
COVE		_	-	-	-	1-1	-	-	_		-
SOUTH ATLANTIC	112	112	25	13	13	7	187	187		-	
	29	29	3 .4	:₩	: :	-	8	8	1-22	=:	**:
Dist. of C-1	7 27	7 27	-	1	1	1	12	12 6	-	-	_
	33	33	13	2	2	_	6 22	22	_		~
	3	3	6	2.5	-	1	98	98	-	-	-
	8	8	2	1	1	1-	NN	NN	_	_	-
Georgia Georgia	2	2	3	1	1	1	12	12	===	 8	=0
Florida	3	3	<u>.=</u> 1	6 2	6 2	4	29	29	<u>-</u>	Ξ.	- 10
EAST SOUTH	_	_		_	_		1995			E-0.V	150
EAST SOUTH CENTRAL	15	15	-	6	6	1	138	138	-	-	-
Tennesses	8	8 3	-	3 2	3 2	1	109	24 109	0.85	<u>-</u> 3	20
Alabama. Mississippi	4	4		1	1	-	5	5	===	<u>=</u> 8	_
Mississippi	20	72 <u>=</u>	-	_	_	-	-	4	<u> </u>	20	-
WEST SOUTH COMME	124	12/	26	,	,		405	105	750		ļ
Arkansas.	134	134	36	1	1	3	185	185	_	_	=1
Louisiana. Oklahoma	===	2=	22	2	2	1	-		-	= 3	41
Oklahoma. Texas	7		-	-	-	-	42	42	-	-	-
	134	134	36	1	1	2	143	143	-	-5	-
MOUNTAIN	28	28	4	1	1	3	87	87	_	-	
Montana Idaho	-:	-	1	-	-		12	12	_	_	_
Vyomina	÷1	-	-	-	-	-	2	2	===		-
Colorad	-	:: 	1 1	-	-	-	35	35	-	-	
New Many	3	3	1	-	-	1	17	.35 17	<u>-</u>	-	-
Utak	25	25	3	-	-	-	21	21	-	-	-
Utah. Nevada	77.1	2.75	-	1	1	7	-	-	-	_	-
	=	-	:=:	1.55	÷ = :	2	=	-	770	=3	=0
* ACTETO	17	17	8	14	14	11	188	188	-		4
V(600-	-		-	1	1	-	81	81	_	_	I.
California	4.6	-	4	1	1	-	24	24	-	1	-
Jack-	16	16	4	12	12	10	66	66 3		-	
nawa11	1	-		+		1	14	14	_	=	-
Puerto Rico Virgin Islande							12	12	_		
Virgin Islands	38	38	5	-	-	*	12	-	_	<u>=</u>	=
*Delayed reports (1969):			222			L			L	60.00	
reports (1960).	Manalace 2	Ma 1									

reports (1969): Measles: Me. 1

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES FOR WEEKS ENDED

JANUARY 10, 1970 AND JANUARY 4, 1969 (1st WEEK) - CONTINUED

AREA	RUBE	LLA	TETA	NUS	TULARI	EMIA	TYPHO FEVI		TYPHUS TICK- (Rky. Mt.	BORNE	RABIE ANIM	
- I History	1970	Cum. 1970	1970	Cum. 1970	1970	Cum. 1970	1970	Cum. 1970	1970	Cum. 1970	1970	Cum. 1970
UNITED STATES	513	513			_	-	3	3	-		46	46
ATTICL TO SECURE	40	40				_				_		,
NEW ENGLAND	3	40 3	_		1		_	= =	_		4	4
Maine	8	8	_		_	_]		-		_	_
New Hampshire	5	5		1 - 1	_	_	I I	_		<u> </u>	4	4
Vermont	13	13			_		_	===				-
Massachusetts	1	1	_		_	_	_	_	_		_	
Rhode Island Connecticut	10	10	-	_	-	-	-	_	-	- ,	-	-
AIDDLE ATLANTIC	41	41	11.7	-	-	x	1	1	_	_	6	6
New York City	4	4	_	-	-			-	_	_	-	- 7
New York, Up-State	12	12	_	-	-	-	1	1	_	-	6	6
New Jersey	12	12		1 - 1	-	-	-	-	_	_	-	-
Pennsylvania	13	13	11-	-	-	-	-	_	_	7		-
EAST NORTH CENTRAL	121	121	-	-	-	-	-	-	-	-	-	-
Ohio	9	9	_	-			-		_	_	_	
Indiana	12	12	-	-	-		-	_	-	-	-	-
Illinois	37	37 34	_	-	-	_	_	_	-	-		
Michigan	34		-	-	-	-	-	- 15	_	-	-	
Wisconsin	29	29		-	-	_	7	_	-	-	-	-
EST NORTH CENTRAL	39	39	-	-	_	-	-	-	_	-	12	12
Minnesota	3	3		-	_	- 1		_	_		1	1
Iowa	29	29	-	_	_	-	-	_	-		3	3
Missouri	- 1	_	_	_	_	_	- 1	_	-	-	4	4
North Dakota	_		_	_	_	_				_	4	4
South Dakota.		70 -	_	_]		_	- 1	_	-	- 1	-	_
Nebraska	7	7	_	_	_	- 1	-	_	_	-	_	_
Kansas	-	-	-	-	-	-	-		-	-	-	-
OUTH ATLANTIC	81	81	_	_	_	_	1	1	_		12	12
	3	3		_	_					_ =	12	
Delaware	1	1					1	1				
Maryland		- i	-		_		<u> </u>		_		_	
Dist. of Columbia	11	11	_	-	_					_ = =	4	4
Virginia West Virginia	39	39	<u> </u>		_				_		3	3
North Carolina		37	12							_ =		
South Carolina	2	2	-	_	_	_	2 1	_	_	(_	_
	- 1						_	_			5	5
Georgia	25	25	_	_	_	- 1			1	{		_
AST SOUTH CENTRAL	23	23	_	_	_	_	_	_	_	_	4	4
Kentucky	1	1	_	_	_	_	_	-	_		2	2
Tennessee	17	17	7_	_			_	_	_		rus (1
Alabama	2	2	_		_	1		_	_	_	1	1
Mississippi	3	3	_	-	-	- 1	-	-	-		- -	7 ()
EST SOUTH CENTRAL	65	65	_	_	_	_				_	5	5
Arkansas	_	_	="	- 1			-		_	-	1	1
Louisiana		-	_	-	-	_	_]	_	-		_	
Oklahoma.	19	19	-	-	_	-	_	_	_	_	1	1
Texas *	46	46	-	-	L		1-1	-	-		3	3
OUNTAIN	29	29	_	-	-	F - Y	1	1	-	_	1	1
Montana	10	10	-	- 1	-	-	-	-	-	-	-	-
Idaho	2	2	_		-		-	-	-	_]	-	_
Wyoming	6	6	-	- 1	-		-	_	_	- 1	_	-
Colorado	6	6	-		-	-	1	1	_	-	-	-
New Mexico	2	2	-		-	-	-	-	-		1	1
Arizona	3	3	-	- 1	-	-	-	-	-	- 1	-	-
Utah	-	-	-	-	-	-	-	-	-	-	-	-
Nevada	1		-	-	II-			100	-	-	-	
CIFIC	74	74	-	_	1	-					2	2
Washington	26	26	-		-	-	4	-	-	- 1	-	-
Oregon	14	14	_	-	-	- 1	_	_	-	-	-	_
California	29	29	<u> </u>		-	-	- 1	_	_	-	2	2
Alaska	1	1	-	- 1		-	-	-	_	-		_
Hawaii.	4	4				<u> </u>	1-					-
erto Rico			175-			7 -	-4-11	_	-	-		_
AND THE RESERVE OF THE PARTY OF	1			1				-		5546	-	-

^{*}Delayed reports (1969): Typhoid fever: Tex. 1

Week No.

TABLE IV. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED JANUARY 10, 1970

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

	All Ca	uses	Pneumonia	Under	·[All Ca	uses	Pneumonia	Under
Area	A11	65 years	and Influenza	l year All	Area	A11	65 years	and Influenza	l year All
	Ages	and over	All Ages	Causes		Ages	and over	All Ages	Causes
NEW ENGLAND:	857	531	60	27		1,595	820	77	70
Boston, Mass	258	144	17	27 12	SOUTH ATLANTIC: Atlanta, Ga	157	77	ľź	8
Bringeport, Copp	46	29	5	'-	Baltimore, Md	342	180	8	10
Cambridge Mass	32	19	7	-	Charlotte, N. C	77	27	3	3
" River Mace	42	30	1	1	Jacksonville, Fla	115	61	7	4
"attiord, Copp	69	40	3	3	Miami, Fla	135	68	4	7
Lynn, Mass	27	20	2	1 1	Norfolk, Va	87 108	36 62	11 4	4
New Bedford, Mass	22 42	16 29	5 3	1 1	Richmond, Va	38	27	2	1
New Haven, Conn	66	38	1 1	2	Savannah, Ga	126	100	11	1
110Vidence R T	73	44	4	ī	St. Petersburg, Fla Tampa, Fla	99	49	9	9
Comerville Macc	15	9	1 =		Washington, D. C	283	121	9	18
Pringfield Mage	54	37	5	1	Wilmington, Del	28	12	2	1
"Greenury, Conn	30	20	_	-	, , , , , , , , , , , , , , , , , , ,				
Worcester, Mass	81	56	6	4	EAST SOUTH CENTRAL:	927	515	43	40
IDDLE ATLANTIC:				4.0	Birmingham, Ala	120	72	2	3
Albany, N. Y	4,435	2,679	224	143	Chattanooga, Tenn	84 57	49 35	10 1	2
Allentown, Pa	80 43	52 32	2 6	6 1	Knoxville, Tenn	181	107	18	9
bullato, N. V	222	133	8	4	Louisville, Ky	188	100	4	8
caliden. N. I	43	27	4	1.	Memphis, Tenn Mobile, Ala	80	34	ż	8
Tizabeth N T	60	35	5	5	Montgomery, Ala	71	39	2	4
rie, Pa	49	35	5	4	Nashville, Tenn	146	79	4	6
Jersey City N T	80	54	8	3	,				
"Cwark. N T	141	70	9	6	WEST SOUTH CENTRAL:	1,542	867	64	94
New York City, N. Y	2,255	1,335	105	68	Austin, Tex	49	32	8	4
Paterson, N. J Philadelphia, Pa	52	35	- 16	1 1	Baton Rouge, La	70	42	6	-
Pittsburgh, Pa	600 302	354 175	16 24	17 8	Corpus Christi, Tex	34 238	17 122	7	3 21
"cauling, pa	62	44	24	1	Dallas, Tex	70	40	1 4	4
Tiester N V -	131	87	8	4	El Paso, Tex Fort Worth, Tex	109	64	3	5
renectady N V	26	16	2		Houston, Tex	220	93	6	19
Totaliton, pa	54	32	5	2	Little Rock, Ark	73	45	3	1
Jiacuse. N V	113	80	3	5	New Orleans, La	205	118	3	17
TENTON, N I	32	17	2	3	Oklahoma City, Okla	126	73	3	4
Utica, N. Y	41	32	5	1.,	San Antonio, Tex	148	91	5	6
Yonkers, N. Y	49	34	5	3	Shreveport, La	94	59	9	4
AST NORTH CENTRAL:	3,244	1 052	109	171	Tulsa, Okla	106	71	7	6
"MEOD Objoss	85	1,853 45	109	171 11	MOUNTEA TNA	598	364	21	30
oullon, Objon	44	29	5	3	MOUNTAIN: Albuquerque, N. Mex	60	34	5	4
TILCAGO, TII	888	459	27	62	Colorado Springs, Colo.	34	16	2	6
Tricinnati Objection	191	115	1	7	Denver, Colo	153	92	3	7
Treveland, Objossos	250	140	3	4	Ogden, Utah	23	18	3	1
Tumpus Obio	168	92	2	8	Phoenix, Ariz	151	89	1 1	6
Tayten, Ohion	108	63	5	2	Pueblo, Colo	41	29	2	1
Detroit, MichEvansville, Ind	423	245	13	12	Salt Lake City, Utah	56	37	2	3
Flint, Mich.	12 82	9	_	- 8	Tucson, Ariz	80	49	3	2
Wayne Ind	53	53 31	3 4	8	PACIFIC:	1,903	1,183	46	72
-41 y 1nd	48	20	6	5	Berkeley, Calif	18	1,103	1 72	'-
and Rapide Mich	78	53	4	3	Fresno, Calif	76	46	6	2
Talanapolia T-J	215	123	3	16	Glendale, Calif	31	21	_	3
Taken Wie	43	22	7	7	Honolulu, Hawaii	67	35	1	3
	207	130	5	6	Long Beach, Calif	114	81	4	-
COLIA TII	45	28	3	3	Los Angeles, Calif	557	341	14	33
ALOLU III	46	28	5	2	Oakland, Calif	130	67	4	6
South Bend, Ind	40	26	5	1	Pasadena, Calif	39	30	2	-
Youngstown, Ohio	141 77	88 54	5 2	2 1	Portland, Oreg	152 73	100	1 1	7
Do. 0.10	"	54		'	Sacramento, Calif San Diego, Calif	73 89	54	¦	3
EST NORTH CENTRAL:	1,154	719	52	61	San Francisco, Calif	237	148	5	1
	102	70	4	2	San Jose, Calif	53	33	ĺí	3
	30	22	2	_	Seattle, Wash	162	97	4	8
	46	27	7	8	Spokane, Wash	59	37	1	2
	116	75	3	4	Tacoma, Wash	46	31	1	1
	38	26	2	-					
	147	93	3	6	Total	16,255	9,531	696	708
St. Louis	151	79	4	2	Expected Weeks	12.252	- ^	F	
St. Paul	340	203	13	35	Expected Number	13,370	7,830	517	546
Wichita, Kans	117 67	78 46	3 11	4	Cumulative Total	16 255	0 521	604	708
-, Nans,	0/	46	l ''	_	(includes reported corrections for previous weeks)	16,255	9,531	696	/08
		 	-	 			<u> </u>		
^{As Ve} gas, Nev.*	43	17	2	1	*Mortality data are being collected table, however, for statistical reaso				

ANNOUNCEMENT OF SUPPLEMENTS

Two supplements were published and distributed as part of Vol. 18 of the Morbidity and Mortality Weekly Report. The first supplement, the "Collected Recommendations of the Public Health Service Advisory Committee on Immunization Practices," became available on Oct. 25, 1969, and the second supplement, "the list of United States Designated Yellow Fever Vaccination Centers," was published on Jan. 3, 1970. Both supplements were sent to persons on the mailing list of the MMWR. A limited number of additional copies are available to interested persons on request. THE MORBIDITY AND MORTALITY WEEKLY REPORT, WITH A CIRCULATION OF 20,000 IS PUBLISHED AT THE NATIONAL COMMUNICABLE DISEASE CENTER, ATLANTA, GEORGIA.

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

NATIONAL COMMUNICABLE DISEASE CENTER 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 NCDC BY THE INDIVIDUAL STATE HEALTH DEFARTMENTS. THE REPORTING WEEK CONCLUDES AT CLOSE OF BUSINESS ON FRIDAY; COMPILED DATA ON A NATIONAL BASIS ARE OFFICIALLY RELEASED TO THE PUBLIC ON THE SUCCEED

COMMUNICABLE DISEASE CENTER OFFICIAL BUSINESS

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