

Morbidity and Mortality Weekly Report

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

Prepared by the **COMMUNICABLE DISEASE CENTER**

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PROVISIONAL INFORMATION ON SELECTED NOTIFIABLE DISEASES IN THE UNITED STATES AND ON DEATHS IN SELECTED CITIES FOR WEEK ENDED FEBRUARY 8, 1964

INFLUENZA - Type A₂ influenza virus has been identified as the presumptive etiologic agent in a respiratory disease epidemic recently observed in northwestern Washington, (MMWR, Vol. 13, No. 5). Additional outbreaks have been reported from neighboring areas in Washington during the past week, but have not involved any other States. Influenza A has also been implicated in the current outbreak in Taiwan. Epidemic respiratory disease continues on the Island of Kyushu, Japan, where an influenza B virus has been shown to be the etiologic agent.

Serologic studies were performed at the Respirovirus Laboratory, CDC, using unpaired sera obtained from selected typical cases as follows: Eight acute specimens were drawn from patients within 48 hours of disease onset; 15 convalescent specimens were obtained from patients with onset 7-14 days previously. H. I. titers to several influenza antigens were determined and results for the two groups compared. Of the 8 acute sera, none had a measurable titer to A₂/Jap/170/62 and only one had a titer to A₂/Jap/305/57 (titer of 1:10). Of the 15 convalescent sera, all but one had a measurable titer to A₂ antigens (14/15 or 93%); 11 of the 15 (73%) had titers of 1:40 or higher and 9 of 15 (60%) had titers of 1:80 or higher. Titers against influenza B antigens were very similar in the two groups. Geometric mean titer against the B/Maryland/1/59

Washington State

Preliminary laboratory studies have implicated influenza A₂ virus as the probable etiologic agent in recent outbreaks in Skagit County.

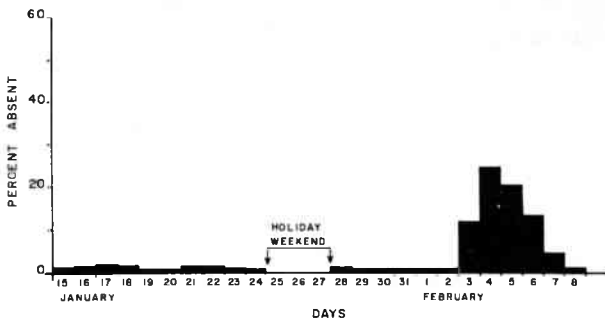
Table 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
(Cumulative totals include revised and delayed reports through previous weeks)

Disease	6th Week Ended		Median 1959 - 1963	Cumulative, First 6 Weeks		Median 1959 - 1963
	February 8, 1964	February 9, 1963		1964	1963	
Aseptic meningitis	22	15	---	155	145	---
Brucellosis	13	9	11	39	31	51
Diphtheria	5	4	12	27	35	119
Encephalitis, primary infectious ..	18]25	---	103]112	---
Encephalitis, post-infectious	25		---	97		---
Hepatitis, infectious including serum hepatitis	1,054	1,285	1,285	5,476	6,606	6,606
Measles	8,170	11,675	11,482	35,259	51,041	53,956
Meningococcal infections	53	70	54	306	337	326
Poliomyelitis, Total	2	5	7	5	24	61
Paralytic	2	4	5	4	20	23
Nonparalytic	-	-	---	1	2	---
Unspecified	-	1	---	-	2	---
Streptococcal Sore Throat and Scarlet fever	11,953	10,963	---	55,909	53,077	---
Tetanus	3	3	---	27	24	---
Tularemia	1	3	---	40	25	---
Typhoid fever	4	4	8	39	29	44
Rabies in Animals	89	63	73	407	330	374

Table 2. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	-	Psittacosis: Wisc. - 1, Ga. - 1	3
Botulism: Ky. - 2	2	Rabies in Man:	-
Leptospirosis:	3	Smallpox:	-
Malaria: Wyo. - 1, Calif. - 1	14	Typhus-	-
Plague:	-	Murine:	-
		Rky Mt. Spotted:	3

ABSENTEEISM AT S.M. BOARDING SCHOOL - LACEY, WASHINGTON
JANUARY, FEBRUARY, 1964



strain was 1:48 in the acute group and 1:50 in the convalescent. Viral isolation studies and conventional serologic determinations on paired specimens are also being performed. These results will be given in a later report.

The Skagit County outbreak has spread during the past week to involve communities in neighboring Whatcom and Snohomish Counties, where an increasing number of case reports and moderately elevated school absenteeism have been observed. In addition, a second epidemic focus was noted in early February in the town of Lacey (Thurston County), five miles north of Olympia and about 180 miles south of Skagit County. A boarding school in Lacey (total enrollment 300) experienced a sharp outbreak of acute respiratory disease with peak absence levels of 25% reported on February 4. (See accompanying Figure.) There is no evidence of increased absenteeism in other schools in Thurston County at present. Laboratory specimens have been obtained from the boarding school outbreak, and are now being processed.

It is of some interest that a 3-day-school holiday occurred approximately one week before this outbreak. Two students enrolled at the school were known to have visited Concrete during the holiday period, which coincided with the peak of the Skagit County epidemic.

Another limited outbreak has been noted among patients and staff at a Veterans Administration Hospital in Seattle. About 25 cases were observed during the first four days of February, with an additional 10 cases detected since then. The illness has not been concentrated on any single ward or service. Specimens have been obtained and are being processed. Only sporadic cases have been reported from the remainder of the Seattle Community. (Reported by Ernest A. Ager, M.D., Chief, Division of Epidemiology, State Department of Health, Olympia, Washington; Donald R. Peterson, M.D., Epidemiologist, Seattle-King County Health Department, Seattle, Washington, and a team from the Communicable Disease Center).

(Continued on page 52)

ENCEPHALITIS REPORTING

The accompanying table presents a summary of cases of post-infectious encephalitis reported in the Weekly Telegraphic Report for the first five weeks (January) of the current year. Reporting of post-infectious encephalitis, specified by etiology, was recommended by the 1963 Biennial Conference of State and Territorial Epidemiologists, effective January 1964. Prior to this year, post-infectious encephalitis was not separately classified. The definitions of the Epidemiologists read as follows:

"1. Primary encephalitis, defined as an acute febrile illness with encephalitic manifestations as an intrinsic part of the disease. This category will include ARBO infections as well as acute encephalitis of *unknown etiology*, (our emphasis.)

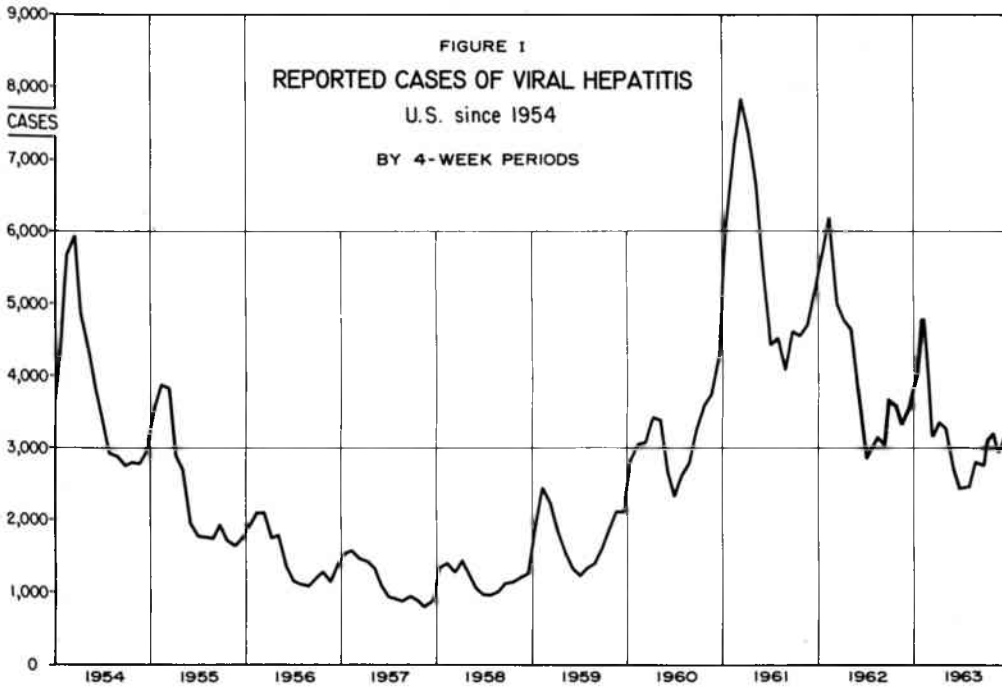
"2. Post-infectious encephalitis, defined as an illness with encephalitic manifestations but with a pre-existing diagnosed infection. Post-infectious encephalitis is to be *specified* by the preceding inciting cause, e.g., measles encephalitis, rubella encephalitis, post-vaccinia encephalitis, post-rabies immunization encephalitis, etc."

The summary for the first five weeks reflects the practice of reporting relatively large numbers of post-infectious encephalitis, unspecified. Since by definition encephalitis of unknown etiology should be included in the category of primary encephalitis, reports of unspecified "post-infectious" encephalitis will be included in the weekly tabulation of primary encephalitis cases. The monthly summary will present only those cases for which etiology has been specified, either at the time of the report to the CDC, or by later communication.

REPORTED CASES OF POST-INFECTIONOUS ENCEPHALITIS
FOR JANUARY
5 WEEKS ENDING 1/4, 1/11, 1/18, 1/25, AND 2/1

REPORTING AREA	INCITING CAUSE			
	Mumps	Chickenpox	Measles	Unspecified
NEW ENGLAND				
Massachusetts				1
Rhode Island				3
Connecticut				1
MIDDLE ATLANTIC				
New York, Up-State	2		1	
New Jersey				1
Pennsylvania				1
EAST NORTH CENTRAL				
Ohio	3	1		
Indiana				2
Illinois	6			1
Michigan	3			5
WEST NORTH CENTRAL				
Minnesota				1
Iowa	1			
Missouri				1
SOUTH ATLANTIC				
Maryland				3
Virginia				5
Georgia	1			
Florida				7
EAST SOUTH CENTRAL				
Kentucky				5
Tennessee	2			
WEST SOUTH CENTRAL				
Arkansas	1			
Texas				1
PACIFIC				
Washington	1		1	
Oregon	2			
California				9
U.S. Total	22	1	2	47

(States not reporting a case not listed)



HEPATITIS

The 10, 250 cases of viral hepatitis reported for the quarter ending December 31, 1963, are the resultant of two divergent trends:

- 1) The seasonal increase in incidence of viral hepatitis usually seen in the autumn, and
- 2) The long-term, nation-wide decrease in incidence of the disease.

Both of these factors can be seen in Figure 1. The total number of cases of hepatitis reported for the epidemiologic year 1963-64, which ends in June 1964, should reflect a continued long-term downward trend.

New England was the single regional exception to this nation-wide decrease. Its total of 1,408 cases is the highest for any similar period since reporting began in 1952. The attack rates for three New England States, Maine (65.6), New Hampshire (37.0), and Vermont (22.1), ranked first, second, and fourth, respectively, in the nation for the period. Alaska was third with a rate of 32.1 per 100,000 population. The high attack rates in New England are, in large part, a reflection of late spread of the epidemic of infectious hepatitis which had its national peak in the epidemiologic year 1960-61.

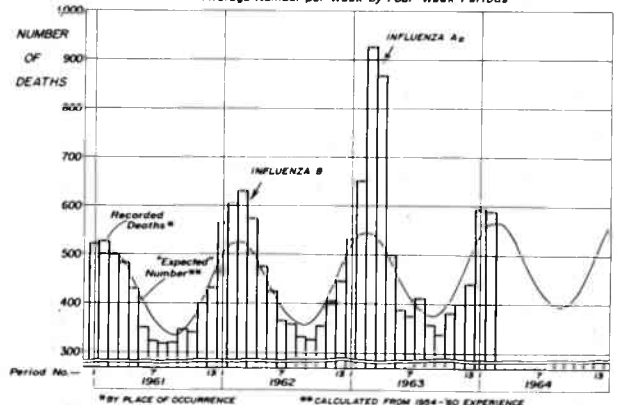
SUMMARY OF PNEUMONIA AND INFLUENZA DEATHS

The weekly average number of pneumonia-influenza deaths for the four-week period ending February 8 was 589 as compared with an expected weekly average of 564. The period is characterized by a steady weekly decline from an excess of 76 to 33 below the expected number.

PNEUMONIA-INFLUENZA DEATHS IN 108 CITIES

	Week Ending				4 Week Total	Weekly Average
	1/18	1/25	2/1	2/8		
Observed	636	598	590	534	2,358	589
Expected	560	564	566	567	2,257	564
Excess	76	34	24	-33	101	25

PNEUMONIA-INFLUENZA DEATHS in 108 U.S. CITIES
Average Number per Week by Four-Week Periods



(See Table, page 52)

Morbidity and Mortality Weekly Report

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED

FEBRUARY 8, 1964 AND FEBRUARY 9, 1963 (6th WEEK)

Area	Aseptic Meningitis		Encephalitis		Poliomyelitis, Total Cases				Poliomyelitis, Paralytic			
	1964	1963	Primary	Post-Inf.	1964	1963	Cumulative		1964	1963	Cumulative	
							1964	1963			1964	1963
UNITED STATES...	22	15	18	25	2	5	5	24	2	4	4	20
NEW ENGLAND.....	-	-	2	1	-	-	-	-	-	-	-	-
Maine.....	-	-	-	-	-	-	-	-	-	-	-	-
New Hampshire.....	-	-	-	-	-	-	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts.....	-	-	-	1	-	-	-	-	-	-	-	-
Rhode Island.....	-	-	-	-	-	-	-	-	-	-	-	-
Connecticut.....	-	-	2	-	-	-	-	-	-	-	-	-
MIDDLE ATLANTIC.....	3	1	9	1	1	1	1	3	1	1	1	3
New York City.....	-	-	7	-	-	-	-	-	-	-	-	-
New York, Up-State.	-	-	2	-	1	1	1	2	1	1	1	2
New Jersey.....	2	-	-	-	-	-	-	-	-	-	-	-
Pennsylvania.....	1	1	-	1	-	-	-	1	-	-	-	1
EAST NORTH CENTRAL...	3	1	-	8	-	-	-	7	-	-	-	5
Ohio.....	-	-	-	2	-	-	-	2	-	-	-	1
Indiana.....	1	-	-	-	-	-	-	-	-	-	-	-
Illinois.....	-	1	-	1	-	-	-	5	-	-	-	4
Michigan.....	2	-	-	5	-	-	-	-	-	-	-	-
Wisconsin.....	-	-	-	-	-	-	-	-	-	-	-	-
WEST NORTH CENTRAL...	-	-	2	-	-	-	-	1	-	-	-	1
Minnesota.....	-	-	-	-	-	-	-	1	-	-	-	1
Iowa.....	-	-	-	-	-	-	-	-	-	-	-	-
Missouri.....	-	-	-	-	-	-	-	-	-	-	-	-
North Dakota.....	-	-	-	-	-	-	-	-	-	-	-	-
South Dakota.....	-	-	-	-	-	-	-	-	-	-	-	-
Nebraska.....	-	-	-	-	-	-	-	-	-	-	-	-
Kansas.....	-	-	2	-	-	-	-	-	-	-	-	-
SOUTH ATLANTIC.....	3	2	1	4	1	-	4	1	1	-	3	1
Delaware.....	1	-	-	-	-	-	-	-	-	-	-	-
Maryland.....	-	-	-	-	-	-	-	-	-	-	-	-
Dist. of Columbia..	-	-	-	-	-	-	-	-	-	-	-	-
Virginia.....	2	2	1	-	-	-	-	-	-	-	-	-
West Virginia.....	-	-	-	2	-	-	-	-	-	-	-	-
North Carolina.....	-	-	-	-	-	-	1	1	-	-	-	1
South Carolina.....	-	-	-	-	1	-	1	-	1	-	1	-
Georgia.....	-	-	-	-	-	-	-	-	-	-	-	-
Florida.....	-	-	-	2	-	-	2	-	-	-	2	-
EAST SOUTH CENTRAL...	3	5	-	1	-	-	-	1	-	-	-	-
Kentucky.....	1	4	-	-	-	-	-	-	-	-	-	-
Tennessee.....	2	1	-	1	-	-	-	-	-	-	-	-
Alabama.....	-	-	-	-	-	-	-	1	-	-	-	-
Mississippi.....	-	-	-	-	-	-	-	-	-	-	-	-
WEST SOUTH CENTRAL...	1	-	-	2	-	3	-	8	-	3	-	8
Arkansas.....	-	-	-	1	-	-	-	-	-	-	-	-
Louisiana.....	-	-	-	1	-	2	-	7	-	2	-	7
Oklahoma.....	-	-	-	-	-	-	-	-	-	-	-	-
Texas.....	1	-	-	-	-	1	-	1	-	1	-	1
MOUNTAIN.....	3	1	-	1	-	-	-	-	-	-	-	-
Montana.....	-	-	-	-	-	-	-	-	-	-	-	-
Idaho.....	-	-	-	-	-	-	-	-	-	-	-	-
Wyoming.....	-	-	-	-	-	-	-	-	-	-	-	-
Colorado.....	2	-	-	1	-	-	-	-	-	-	-	-
New Mexico.....	-	-	-	-	-	-	-	-	-	-	-	-
Arizona.....	1	1	-	-	-	-	-	-	-	-	-	-
Utah.....	-	-	-	-	-	-	-	-	-	-	-	-
Nevada.....	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	6	5	4	7	-	1	-	3	-	-	-	2
Washington.....	1	-	-	1	-	-	-	-	-	-	-	-
Oregon.....	-	-	-	-	-	-	-	-	-	-	-	-
California.....	-	-	-	-	-	-	-	-	-	-	-	-
Alaska.....	5	5	4	5	-	1	-	3	-	-	-	2
Hawaii.....	-	-	-	1	-	-	-	-	-	-	-	-
Puerto Rico	---	-	---	---	---	-	-	-	---	-	-	-

Morbidity and Mortality Weekly Report

49

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED

FEBRUARY 8, 1964 AND FEBRUARY 9, 1963 (6th WEEK) - Continued

Area	Brucellosis		Diphtheria		Infectious Hepatitis including Serum Hepatitis						Typhoid Fever	
	1964	Cum.	1964	Cum.	Total 1964	Under 20 years	20 years and over	Age Unknown	Cumulative		1964	Cum.
		1964		1964		1964	1964	1964	1964	1964		1963
UNITED STATES...	13	39	5	27	1,054	583	364	107	5,476	6,606	4	39
NEW ENGLAND.....	-	-	-	1	118	73	41	4	678	892	1	2
Maine.....	-	-	-	-	54	36	15	3	280	424	-	-
New Hampshire.....	-	-	-	-	8	4	3	1	71	73	-	-
Vermont.....	-	-	-	-	8	5	3	-	67	14	-	-
Massachusetts.....	-	-	-	1	26	17	9	-	131	259	1	1
Rhode Island.....	-	-	-	-	3	1	2	-	25	26	-	1
Connecticut.....	-	-	-	-	19	10	9	-	104	96	-	-
MIDDLE ATLANTIC.....	-	-	-	4	192	103	89	-	1,188	1,241	1	4
New York City.....	-	-	-	1	22	8	14	-	161	137	-	1
New York, Up-State.....	-	-	-	-	96	70	26	-	583	589	-	1
New Jersey.....	-	-	-	2	24	5	19	-	168	167	-	-
Pennsylvania.....	-	-	-	1	50	20	30	-	276	348	1	2
EAST NORTH CENTRAL.....	8	9	3	4	162	88	71	3	786	974	-	11
Ohio.....	-	-	-	-	50	30	18	2	235	303	-	10
Indiana.....	-	-	-	-	15	9	6	-	59	62	-	-
Illinois.....	7	8	3	4	21	8	13	-	90	176	-	1
Michigan.....	-	-	-	-	75	41	34	-	374	392	-	-
Wisconsin.....	1	1	-	-	1	-	-	1	28	41	-	-
WEST NORTH CENTRAL.....	5	20	2	8	94	54	25	15	357	288	-	-
Minnesota.....	-	-	1	1	6	6	-	-	21	58	-	-
Iowa.....	2	9	-	-	11	6	5	-	51	51	-	-
Missouri.....	-	3	-	-	18	13	5	-	73	113	-	-
North Dakota.....	-	-	-	-	4	2	2	-	21	8	-	-
South Dakota.....	-	4	-	-	22	8	13	1	39	8	-	-
Nebraska.....	3	4	-	-	-	-	-	-	7	20	-	-
Kansas.....	-	-	1	7	33	19	-	14	145	30	-	-
SOUTH ATLANTIC.....	-	1	-	3	94	49	26	19	524	797	2	14
Delaware.....	-	-	-	-	3	2	-	1	6	8	-	-
Maryland.....	-	-	-	-	12	8	4	-	91	81	-	-
Dist. of Columbia.....	-	-	-	-	1	1	-	-	9	26	-	-
Virginia.....	-	-	-	-	17	1	5	11	66	231	-	-
West Virginia.....	-	-	-	-	29	25	2	2	97	108	-	-
North Carolina.....	-	1	-	-	14	7	7	-	116	221	1	9
South Carolina.....	-	-	-	1	4	1	3	-	18	29	-	1
Georgia.....	-	-	-	-	1	-	-	1	10	21	-	-
Florida.....	-	-	-	2	13	4	5	4	111	72	1	4
EAST SOUTH CENTRAL.....	-	-	-	1	68	51	17	-	376	701	-	4
Kentucky.....	-	-	-	-	24	19	5	-	174	234	-	1
Tennessee.....	-	-	-	1	26	20	6	-	126	268	-	2
Alabama.....	-	-	-	-	13	9	4	-	53	92	-	1
Mississippi.....	-	-	-	-	5	3	2	-	23	107	-	-
WEST SOUTH CENTRAL.....	-	3	-	3	82	54	26	2	357	430	-	1
Arkansas.....	-	1	-	-	5	5	-	-	50	55	-	-
Louisiana.....	-	1	-	2	30	18	11	1	73	64	-	-
Oklahoma.....	-	1	-	-	7	6	1	-	22	30	-	1
Texas.....	-	-	-	1	40	25	14	1	212	281	-	-
MOUNTAIN.....	-	5	-	-	82	15	5	62	381	542	-	-
Montana.....	-	-	-	-	6	2	1	3	36	90	-	-
Idaho.....	-	-	-	-	13	-	-	13	35	60	-	-
Wyoming.....	-	-	-	-	4	1	2	1	7	4	-	-
Colorado.....	-	-	-	-	32	7	-	25	98	130	-	-
New Mexico.....	-	1	-	-	6	3	2	1	74	57	-	-
Arizona.....	-	1	-	-	18	-	-	18	80	125	-	-
Utah.....	-	3	-	-	3	2	-	1	45	70	-	-
Nevada.....	-	-	-	-	-	-	-	-	6	6	-	-
PACIFIC.....	-	1	-	3	162	96	64	2	829	741	-	3
Washington.....	-	-	-	3	14	5	8	1	96	120	-	-
Oregon.....	-	-	-	-	24	17	6	1	84	119	-	-
California.....	-	-	-	-	121	72	49	-	605	478	-	3
Alaska.....	-	-	-	-	-	-	-	-	31	18	-	-
Hawaii.....	-	-	-	-	3	2	1	-	13	6	-	-
Puerto Rico	---	-	---	1	---	---	---	---	4	34	---	1

Morbidity and Mortality Weekly Report

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED

FEBRUARY 8, 1964 AND FEBRUARY 9, 1963 (6th WEEK) - Continued

Area	Measles	Meningococcal Meningitis			Streptococcal Sore Throat and Scarlet Fever		Tetanus		Tularemia		Rabies in Animals		
		1964	1964	Cumulative		1964	1963	1964	Cum.	1964	Cum.	1964	Cum.
				1964	1963								
UNITED STATES...	8,170	53	306	337	11,953	10,963	3	27	1	40	89	407	
NEW ENGLAND.....	416	2	10	29	995	1,367	-	-	-	-	-	1	
Maine.....	93	-	-	6	57	205	-	-	-	-	-	-	
New Hampshire.....	-	-	-	-	3	15	-	-	-	-	-	1	
Vermont.....	85	-	-	1	25	38	-	-	-	-	-	-	
Massachusetts.....	79	2	3	10	122	192	-	-	-	-	-	-	
Rhode Island.....	48	-	2	3	150	101	-	-	-	-	-	-	
Connecticut.....	111	-	5	9	638	816	-	-	-	-	-	-	
MIDDLE ATLANTIC.....	1,534	4	41	39	490	701	-	-	-	-	1	14	
New York City.....	614	-	7	5	42	50	-	-	-	-	-	-	
New York, Up-State.....	225	1	14	11	256	360	-	-	-	-	1	13	
New Jersey.....	439	2	7	7	104	124	-	-	-	-	-	-	
Pennsylvania.....	256	1	13	16	88	167	-	-	-	-	-	1	
EAST NORTH CENTRAL...	2,023	12	48	56	1,473	1,131	1	4	-	5	8	38	
Ohio.....	421	2	15	17	350	147	-	1	-	1	1	21	
Indiana.....	360	3	7	11	251	252	-	-	-	-	1	4	
Illinois.....	555	2	9	9	194	221	1	2	-	2	1	4	
Michigan.....	516	4	14	13	440	256	-	1	-	1	3	5	
Wisconsin.....	171	1	3	6	238	255	-	-	-	1	2	4	
WEST NORTH CENTRAL...	274	3	13	16	483	372	-	2	1	11	22	125	
Minnesota.....	12	-	3	2	47	22	-	-	-	1	8	37	
Iowa.....	188	-	-	-	149	126	-	-	-	1	7	38	
Missouri.....	8	-	5	7	9	9	-	2	1	6	2	25	
North Dakota.....	66	1	2	1	140	158	-	-	-	-	1	8	
South Dakota.....	-	-	-	2	16	7	-	-	-	-	1	10	
Nebraska.....	-	-	-	4	-	1	-	-	-	-	1	5	
Kansas.....	NN	2	3	-	122	49	-	-	-	3	2	2	
SOUTH ATLANTIC.....	690	7	73	83	1,051	891	1	11	-	5	30	79	
Delaware.....	14	-	-	-	42	5	-	-	-	-	-	-	
Maryland.....	86	2	11	14	112	47	-	-	-	-	-	-	
Dist. of Columbia..	10	-	-	1	16	3	-	-	-	-	-	-	
Virginia.....	207	1	7	17	384	371	-	-	-	3	27	65	
West Virginia.....	122	1	5	6	270	245	-	-	-	-	1	2	
North Carolina.....	31	1	9	14	34	35	1	4	-	-	-	1	
South Carolina.....	131	-	12	5	48	67	-	2	-	-	-	-	
Georgia.....	8	-	6	4	14	7	-	-	-	2	-	4	
Florida.....	81	2	23	22	131	111	-	5	-	-	2	7	
EAST SOUTH CENTRAL...	1,451	6	28	24	2,419	1,368	-	3	-	10	10	70	
Kentucky.....	805	-	5	5	494	160	-	-	-	1	2	13	
Tennessee.....	498	3	13	12	1,687	1,071	-	1	-	7	8	54	
Alabama.....	60	-	6	4	44	43	-	2	-	2	-	3	
Mississippi.....	88	3	4	3	194	94	-	-	-	-	-	-	
WEST SOUTH CENTRAL...	27	6	25	31	996	1,080	-	3	-	8	13	58	
Arkansas.....	6	-	4	3	4	23	-	-	-	1	3	16	
Louisiana.....	8	6	19	9	7	5	-	3	-	-	1	4	
Oklahoma.....	13	-	2	7	60	37	-	-	-	7	-	5	
Texas.....	-	-	-	12	925	1,015	-	-	-	-	9	33	
MOUNTAIN.....	510	2	17	14	2,186	2,360	-	-	-	1	3	12	
Montana.....	60	-	-	-	66	74	-	-	-	-	-	-	
Idaho.....	80	-	1	-	111	283	-	-	-	-	-	-	
Wyoming.....	4	-	1	-	21	103	-	-	-	1	-	-	
Colorado.....	52	-	6	3	864	1,146	-	-	-	-	-	-	
New Mexico.....	-	-	5	2	698	339	-	-	-	-	2	7	
Arizona.....	248	1	1	3	247	154	-	-	-	-	1	5	
Utah.....	40	-	1	5	177	249	-	-	-	-	-	-	
Nevada.....	26	1	2	1	2	12	-	-	-	-	-	-	
PACIFIC.....	1,245	11	51	45	1,860	1,693	1	4	-	-	2	10	
Washington.....	438	1	4	5	618	534	-	-	-	-	-	-	
Oregon.....	143	1	1	2	55	29	-	-	-	-	-	-	
California.....	501	8	42	34	1,082	957	1	4	-	-	2	10	
Alaska.....	154	1	2	4	68	74	-	-	-	-	-	-	
Hawaii.....	9	-	2	-	37	99	-	-	-	-	-	-	
Puerto Rico	---	---	-	-	---	2	---	-	---	-	---	-	

Morbidity and Mortality Weekly Report

Table 4 (B). REPORTED PNEUMONIA-INFLUENZA DEATHS IN REPORTING CITIES

(Tables 4(A), 4(B), 4(C), and 4(D) will be published in sequence covering a four-week period.)^o

Area	For weeks ending				Area	For weeks ending			
	1/18/64	1/25/64	2/1/64	2/8/64		1/18/64	1/25/64	2/1/64	2/8/64
NEW ENGLAND:					SOUTH ATLANTIC:				
Boston, Mass.....	13	11	11	9	Atlanta, Ga.....	5	4	6	11
Bridgeport, Conn.....	3	5	8	4	Baltimore, Md.....	7	13	8	9
Cambridge, Mass.....	6	7	6	2	Charlotte, N.C.....	3	1	4	-
Fall River, Mass.....	-	3	-	3	Jacksonville, Fla.....	5	5	1	2
Hartford, Conn.....	-	1	-	2	Miami, Fla.....	3	1	-	-
Lowell, Mass.....	3	3	4	2	Norfolk, Va.....	1	-	4	2
Lynn, Mass.....	-	2	6	4	Richmond, Va.....	5	4	3	3
New Bedford, Mass.....	-	1	1	2	Savannah, Ga.....	9	1	3	4
New Haven, Conn.....	1	-	-	1	St. Petersburg, Fla.....	5	4	6	9
Providence, R.I.....	3	3	1	-	Tampa, Fla.....	12	3	5	4
Somerville, Mass.....	1	1	1	-	Washington, D.C.....	7	12	12	11
Springfield, Mass.....	6	7	7	2	Wilmington, Del.....	1	1	1	3
Waterbury, Conn.....	2	-	3	1	EAST SOUTH CENTRAL:				
Worcester, Mass.....	5	6	6	11	Birmingham, Ala.....	4	4	-	5
MIDDLE ATLANTIC:					Chattanooga, Tenn.....	5	7	2	9
Albany, N.Y.....	1	2	1	-	Knoxville, Tenn.....	-	2	1	3
Allentown, Pa.....	2	4	4	2	Louisville, Ky.....	19	14	13	19
Buffalo, N.Y.....	9	7	10	4	Memphis, Tenn.....	10	10	6	4
Camden, N.J.....	5	5	2	1	Mobile, Ala.....	3	-	-	-
Elizabeth, N.J.....	2	-	2	5	Montgomery, Ala.....	5	10	2	3
Erie, Pa.....	6	1	-	7	Nashville, Tenn.....	16	11	5	14
Jersey City, N.J.....	4	11	7	9	WEST SOUTH CENTRAL:				
Newark, N.J.....	2	9	2	2	Austin, Tex.....	10	10	10	5*
New York City, N.Y.....	83	73	60	61	Baton Rouge, La.....	3	-	5	-
Paterson, N.J.....	5	7	3	5	Corpus Christi, Tex.....	-	2	-	-
Philadelphia, Pa.....	15	28	22	6	Dallas, Tex.....	5	15	6	6
Pittsburgh, Pa.....	6	6	8	9	El Paso, Tex.....	5	1	1	5
Reading, Pa.....	1	4	5	2*	Fort Worth, Tex.....	-	2	3	1
Rochester, N.Y.....	8	18	9	7	Houston, Tex.....	11	7	4	5
Schenectady, N.Y.....	1	1	-	1	Little Rock, Ark.....	6	7	6	3
Scranton, Pa.....	1	-	-	1	New Orleans, La.....	8	4	6	3
Syracuse, N.Y.....	3	2	-	-	Oklahoma City, Okla.....	1	4	3	3
Trenton, N.J.....	3	6	1	3	San Antonio, Tex.....	8	7	8	6
Utica, N.Y.....	3	1	7	2	Shreveport, La.....	9	3	10	2
Yonkers, N.Y.....	2	3	2	1	Tulsa, Okla.....	9	2	7	3
EAST NORTH CENTRAL:					MOUNTAIN:				
Akron, Ohio.....	-	-	3	1	Albuquerque, N. Mex.....	1	3	4	6
Canton, Ohio.....	6	3	5	3	Colorado Springs, Colo...	3	3	6	2
Chicago, Ill.....	43	33	36	32	Denver, Colo.....	13	6	9	7
Cincinnati, Ohio.....	7	4	5	2	Ogden, Utah.....	1	1	1	2
Cleveland, Ohio.....	4	6	8	3	Phoenix, Ariz.....	6	6	10	7
Columbus, Ohio.....	2	3	5	3	Pueblo, Colo.....	-	3	1	2
Dayton, Ohio.....	2	4	5	1	Salt Lake City, Utah.....	3	2	1	3
Detroit, Mich.....	17	15	22	16	Tucson, Ariz.....	2	5	2	2
Evansville, Ind.....	4	1	1	6	PACIFIC:				
Flint, Mich.....	2	1	5	3	Berkeley, Calif.....	1	-	2	-
Fort Wayne, Ind.....	5	3	-	6	Fresno, Calif.....	4	2	1	5
Gary, Ind.....	-	6	3	1	Glendale, Calif.....	-	-	-	-
Grand Rapids, Mich.....	4	-	4	5	Honolulu, Hawaii.....	2	1	1	1*
Indianapolis, Ind.....	3	5	4	12	Long Beach, Calif.....	1	1	5	2
Madison, Wis.....	-	-	-	-	Los Angeles, Calif.....	18	14	25	21
Milwaukee, Wis.....	8	4	1	2	Oakland, Calif.....	-	3	4	7
Peoria, Ill.....	-	-	4	-	Pasadena, Calif.....	-	2	2	-
Rockford, Ill.....	1	4	5	2	Portland, Oreg.....	2	2	2	2
South Bend, Ind.....	11	2	2	3	Sacramento, Calif.....	1	1	1	3
Toledo, Ohio.....	5	4	3	3	San Diego, Calif.....	6	3	4	5
Youngstown, Ohio.....	-	2	-	1	San Francisco, Calif.....	6	5	8	4
WEST NORTH CENTRAL:					San Jose, Calif.....	5	1	3	5
Des Moines, Iowa.....	-	6	3	2*	Seattle, Wash.....	8	4	12	8
Duluth, Minn.....	-	-	-	-	Spokane, Wash.....	3	-	1	1
Kansas City, Kans.....	3	3	5	4	Tacoma, Wash.....	1	1	-	-
Kansas City, Mo.....	5	9	6	6	San Juan, P.R.....				
Lincoln, Nebr.....	2	1	4	-	3	1	2	(---)	
Minneapolis, Minn.....	4	5	3	3	^o Current Week Mortality for 108 Selected Cities				
Omaha, Nebr.....	17	7	5	1	4(A) Total Mortality, all ages.....	12,063			
St. Louis, Mo.....	16	14	11	12	4(B) Pneumonia-Influenza Deaths, all ages.....	534			
St. Paul, Minn.....	4	2	3	2	4(C) Total Deaths under 1 Year of Age.....	720			
Wichita, Kans.....	6	8	10	10	4(D) Total Deaths, Persons 65 years and over.....	6,893			

*Estimate - based on average percent of divisional total.
 Totals for previous weeks include reported corrections.
 NOTE: All deaths by place of occurrence.

Taiwan

The epidemic of acute respiratory disease recently noted in the city of Taipei (MMWR, Vol. 13, No. 5), continues to show signs of waning, without evidence of significant spread to other parts of the country.

Preliminary serologic data, from the U.S. Naval Medical Research Unit No. 2 laboratories in Taipei, indicate that the agent in this epidemic is a Type A influenza virus — probably subtype A₂. There has been no evidence to implicate the Influenza B/Taiwan/62 strain in the present outbreak. (The latter strain was recovered from a localized institutional outbreak in Taipei in October 1962, and was found to be antigenically distinct from all former B isolates.)

(Reported by Capt. Robert Phillips, MC, USN, Officer in Charge, U.S. Naval Medical Research Unit No. 2, Taipei; and Capt. Jack W. Millar, MC, USN, Director, Preventive Medicine Division, Department of the Navy, and an Epidemiologist from the Communicable Disease Center.)

Japan

Serologic studies performed at the Japanese Influenza Center in Tokyo have implicated an influenza B virus as etiologic agent in the current outbreaks on the Island of Kyushu. Further studies, aimed at characterizing this agent antigenically — particularly with regard to its possible relation to the B-Taiwan strain — are now in progress.

Estimated total number of cases on Kyushu now stands at 100,000 through February 6. Cases have been relatively mild with a low incidence of complications. Highest attack rates have been observed in the 6-14 year age group. There has been no report of outbreaks on islands other than Kyushu, thus far.

(Reported by Hideo Fukumi; M.D., Chief, Japanese Influenza Center, Tokyo; and American Liaison, U.S. Naval Attache, Tokyo.)

In addition to the established procedures for reporting morbidity and mortality, the Communicable Disease Center welcomes accounts of interesting outbreaks or cases. Such accounts should be addressed to:

Lawrence K. Altman, M.D., Editor
Morbidity and Mortality Weekly Report
Communicable Disease Center
Atlanta, Georgia 30333

Notes: These provisional data are based on weekly telegrams to the Communicable Disease Center by the individual State health departments.

Symbols: - - - Data not available

• Quantity zero

Procedures for construction of various mortality curves may be obtained from Statistics Section, Communicable Disease Center, Public Health Service, U. S. Department of Health, Education, and Welfare, Atlanta, Georgia 30333.

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81
7 61
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