

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 JUNE 27, 1964

MALARIA SURVEILLANCE SUMMARY ISSUE

MALARIA

One case of malaria was reported for the week ended June 27. This brings to 44 the cumulative total of cases of malaria reported thus far in 1964. For the comparable period of 1963, 47 cases were reported. A table of the cumulative cases of malaria reported through the 26th week for each of the past 10 years is presented (right).

As noted in the surveillance summary on pages 226 and 227 of this issue, cases of malaria reported in the United States occur in individuals who acquired the disease while residing in or traveling in malarious regions. Of the cases reported to date this year, none are

known to have resulted from infection acquired within the United States.

MALARIA - U.S.A.

Cumulative Cases Through 26th Week for 10 Years

1955	1956	1957	1958	1959	1960	1961	1962	1963	1964
161	98	48	31	34	26	25	41	49	44
Annual									
522	234	132	85	71	72	73	118	107*	

*Provisional total.

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

Disease	26th Week Ended		Median 1959 - 1963	Cumulative, First 26 Weeks		
	June 27, 1964	June 29, 1963		1964	1963	Median 1959 - 1963
Aseptic meningitis	37	35	---	761	630	---
Brucellosis	7	6	9	193	169	281
Diphtheria	1	3	5	137	136	309
Encephalitis, primary infectious ..	59	43	---	940	782	---
Encephalitis, post-infectious	39		---	520		---
Hepatitis, infectious including serum hepatitis	594	651	651	21,435	23,666	23,668
Measles	6,741	7,200	7,525	413,777	335,226	359,673
Meningococcal infections	43	36	35	1,498	1,448	1,337
Poliomyelitis, Total	4	5	22	42	82	239
Paralytic	1	2	17	30	70	162
Nonparalytic	1	2	---	9	5	---
Unspecified	2	1	---	3	7	---
Streptococcal Sore Throat and Scarlet fever	5,165	4,250	---	251,385	214,892	---
Tetanus	7	8	---	123	115	---
Tularemia	7	8	---	143	122	---
Typhoid fever	7	11	19	181	183	292
Rabies in Animals	78	73	73	2,386	2,044	2,036

Table 2. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	2	Psittacosis: Utah - 1, Pa - 2	17
Botulism:	10	Rabies in Man:	-
Leptospirosis: Ark - 1, Hawaii - 2, Calif - 1	20	Smallpox:	-
Malaria: Md - 1	44	Typhus-	9
Plague:	-	Murine:	62
		Rky Mt. Spotted: Mass-1, NJ-1, Md-2, Pa-1, NC-3,	

MALARIA SURVEILLANCE SUMMARY - 1963

A total of 148 cases of malaria, with onsets of illness during 1963, was reported to the Malaria Surveillance Unit of the Communicable Disease Center; 4 were fatal. The total included 128 cases confirmed by species identification and 20 presumptive cases. The 1963 total represents a 67 percent increase over the average for the preceding 7 years, during which period active case investigation has occurred. Confirmed and presumptive cases for these years appear in the following table:

TABLE I

YEAR	CASES		TOTAL
	CONFIRMED	PRESUMPTIVE	
1956	93	32	125
1957	97	6	103
1958	61	11	72
1959	33	21	54
1960	47	16	63
1961	72	13	85
1962	100	19	119
1963	128	20	148

Civilians accounted for 90 and military personnel for 58 of the 1963 cases. This represented a two-fold increase in the number of civilian cases (90 versus 44) as compared to 1962, and a reduction of the military cases from the 75 in 1962.

Table II
MILITARY AND CIVILIAN CASES OF MALARIA
UNITED STATES 1956 - 1963

YEAR	MILITARY	CIVILIAN	TOTAL
1956	46	79	125
1957	56	47	103
1958	33	39	72
1959	12	42	54
1960	21	42	63
1961	45	40	85
1962	75	44	119
1963	58	90	148

Thirty-five of the civilian cases occurred in merchant seamen (an epidemiological report on one outbreak involving a total of 12 cases was reported in the MMWR Vol. 12, page 365). Three of the 4 deaths occurred in merchant seamen.

The majority of cases occurred in males in the young adult and mid-adult age ranges, a distribution evident in the non-military as well as military cases. (See Table III).

Plasmodium vivax was the most common species diagnosis in the 128 confirmed cases. The frequency of species diagnosis is tabulated below:

<i>P. vivax</i>	78
<i>P. falciparum</i>	36
<i>P. malariae</i>	9
<i>P. ovale</i>	3
Mixed infections	2

TABLE III
MILITARY AND NON-MILITARY CASES OF MALARIA
BY AGE AND SEX
UNITED STATES 1963

Age Group	Military Cases *		Non-Military Cases				Total Cases			
	Male	Percent**	Male	Female	Total	Percent**	Male	Female	Total	Percent**
0-9	0	0	1	1	2	2.4	1	1	2	1.5
10-19	8	16.3	9	2	11	13.2	17	2	19	14.4
20-29	25	51.0	19	7	26	31.3	44	7	51	38.6
30-39	13	26.5	12	4	16	19.3	25	4	29	22.0
40-49	3	6.1	9	3	12	14.5	12	3	15	11.4
50-59	0	0	12	2	14	16.9	12	2	14	10.6
60-69	0	0	1	0	1	1.2	1	0	1	0.8
70+	0	0	0	1	1	1.2	0	1	1	0.8
Unknown	9	--	7	0	7	--	16	0	16	--
TOTAL	58	100	70	20	90	100.0	128	20	148	100.0

* No female Military Cases

** Percent Age Distribution Based on Cases with Known Age

All but 5 cases of malaria were acquired outside of the United States. Of the 5 cases originating in the United States, 2 were classified as induced and 3 unclassified. The unclassified cases, though unresolved, offered little evidence in support of autochthonous transmission as a source of the respective infections. (One of these cases reported in the MMWR Vol. 13, page 22). A large majority of cases reported involved patients acquiring their illnesses in the West African countries, Thailand, Vietnam, Korea, and Pakistan.

Thirty cases occurred in foreign visitors to the United States; the remaining 118 cases occurred in Americans either residing abroad or traveling through malarious areas.

In 71 percent of the cases, the reported attack of malaria represented the individual's first known clinical episode of the disease.

(Reported by Malaria Surveillance Unit, CDC).

The accepted terminology of malaria cases is summarized in the following table, based on the recommendations of the World Health Organization.

1. **Autochthonous**

a) **Indigenous** — malaria acquired by mosquito transmission in an area where malaria is a regular occurrence.

b) **Introduced** — malaria acquired by mosquito transmission contracted from an imported case in an area where malaria is not a regular occurrence.

2. **Imported** — malaria acquired outside of a specified area.

3. **Induced** — malaria acquired through artificial means, i.e., malarial therapy, blood transfusion, common syringes.

4. **Relapsing** — renewal of clinical activity occurring after an interval from the primary attack greater than that due merely to periodicity.

5. **Unclassified** — malaria in which the method of acquisition is unknown.

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Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
JUNE 27, 1964 AND JUNE 29, 1963 (26TH WEEK)

Area	Aseptic Meningitis		Encephalitis		Poliomyelitis, Total Cases				Poliomyelitis, Paralytic			
			Primary	Post-Inf.	1964	1963	Cumulative		1964	1963	Cumulative	
	1964	1963					1964	1963			1964	1963
UNITED STATES...	37	35	59	39	4	5	42	82	1	2	30	70
NEW ENGLAND.....	2	-	2	1	-	-	-	1	-	-	-	1
Maine.....	1	-	-	-	-	-	-	1	-	-	-	1
New Hampshire.....	-	-	-	-	-	-	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts.....	1	-	1	-	-	-	-	-	-	-	-	-
Rhode Island.....	-	-	1	1	-	-	-	-	-	-	-	-
Connecticut.....	-	-	-	-	-	-	-	-	-	-	-	-
MIDDLE ATLANTIC.....	5	2	6	8	-	1	5	14	-	-	5	11
New York City.....	2	-	1	-	-	-	1	-	-	-	1	-
New York, Up-State.....	-	-	1	4	-	-	2	5	-	-	2	5
New Jersey.....	1	-	3	-	-	-	2	-	-	-	2	-
Pennsylvania.....	2	2	1	4	-	1	-	9	-	-	-	6
EAST NORTH CENTRAL...	11	11	10	5	1	1	4	18	-	-	3	14
Ohio.....	1	2	3	-	-	1	2	5	-	-	2	3
Indiana.....	-	2	1	-	-	-	-	2	-	-	-	1
Illinois.....	5	-	3	5	-	-	1	7	-	-	1	6
Michigan.....	5	3	2	-	1	-	1	3	-	-	-	3
Wisconsin.....	-	4	1	-	-	-	-	1	-	-	-	1
WEST NORTH CENTRAL...	3	4	5	-	-	-	2	2	-	-	1	2
Minnesota.....	3	3	4	-	-	-	-	2	-	-	-	2
Iowa.....	-	-	-	-	-	-	-	-	-	-	-	-
Missouri.....	-	1	-	-	-	-	2	-	-	-	1	-
North Dakota.....	-	-	-	-	-	-	-	-	-	-	-	-
South Dakota.....	-	-	-	-	-	-	-	-	-	-	-	-
Nebraska.....	-	-	-	-	-	-	-	-	-	-	-	-
Kansas.....	-	-	1	-	-	-	-	-	-	-	-	-
SOUTH ATLANTIC.....	-	3	16	3	-	3	18	12	-	2	13	9
Delaware.....	-	-	-	-	-	-	-	-	-	-	-	-
Maryland.....	-	-	1	-	-	-	1	-	-	-	1	-
Dist. of Columbia..	-	-	-	-	-	-	-	-	-	-	-	-
Virginia.....	-	3	-	2	-	-	-	2	-	-	-	1
West Virginia.....	-	-	-	-	-	-	1	1	-	-	1	1
North Carolina.....	-	-	1	-	-	1	8	3	-	1	4	3
South Carolina.....	-	-	-	1	-	2	2	2	-	1	2	1
Georgia.....	-	-	-	-	-	-	1	1	-	-	1	-
Florida.....	-	-	14	-	-	-	5	3	-	-	4	3
EAST SOUTH CENTRAL...	2	1	2	1	1	-	4	6	1	-	2	5
Kentucky.....	-	1	-	-	-	-	-	-	-	-	-	-
Tennessee.....	-	-	-	1	1	-	2	2	1	-	1	2
Alabama.....	2	-	-	-	-	-	2	3	-	-	1	2
Mississippi.....	-	-	2	-	-	-	-	1	-	-	-	1
WEST SOUTH CENTRAL...	4	4	3	-	-	-	2	15	-	-	2	15
Arkansas.....	-	-	-	-	-	-	-	1	-	-	-	1
Louisiana.....	2	-	-	-	-	-	-	12	-	-	-	12
Oklahoma.....	1	1	-	-	-	-	1	-	-	-	1	-
Texas.....	1	3	3	-	-	-	1	2	-	-	1	2
MOUNTAIN.....	-	2	5	-	2	-	6	1	-	-	3	1
Montana.....	-	-	-	-	-	-	-	-	-	-	-	-
Idaho.....	-	-	-	-	-	-	-	1	-	-	-	1
Wyoming.....	-	-	-	-	-	-	2	-	-	-	2	-
Colorado.....	-	1	4	-	-	-	1	-	-	-	1	-
New Mexico.....	-	-	-	-	2	-	3	-	-	-	-	-
Arizona.....	-	1	-	-	-	-	-	-	-	-	-	-
Utah.....	-	-	-	-	-	-	-	-	-	-	-	-
Nevada.....	-	-	1	-	-	-	-	-	-	-	-	-
PACIFIC.....	10	8	10	21	-	-	1	13	-	-	1	12
Washington.....	-	1	3	3	-	-	-	1	-	-	-	1
Oregon.....	-	-	-	1	-	-	1	1	-	-	1	1
California.....	9	7	7	17	-	-	-	11	-	-	-	10
Alaska.....	1	-	-	-	-	-	-	-	-	-	-	-
Hawaii.....	-	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico	-	-	-	-	-	-	-	4	-	-	-	4

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
JUNE 27, 1964 AND JUNE 29, 1963 (26TH WEEK) - CONTINUED

Area	Brucellosis		Diphtheria		Infectious Hepatitis including Serum Hepatitis						Typhoid Fever	
	1964	Cum.	1964	Cum.	Total	Under 20 years	20 years and over	Age Unknown	Cumulative		1964	Cum.
		1964		1964	1964	1964	1964	1964	1964	1963		1964
UNITED STATES...	7	193	1	137	594	281	282	31	21,435	23,666	7	181
NEW ENGLAND.....	-	2	-	42	26	5	17	4	2,170	2,589	-	10
Maine.....	-	-	-	39	4	2	-	2	723	1,205	-	-
New Hampshire.....	-	-	-	-	3	-	3	-	156	189	-	-
Vermont.....	-	-	-	-	4	-	2	2	269	32	-	-
Massachusetts.....	-	2	-	3	5	-	5	-	446	757	-	5
Rhode Island.....	-	-	-	-	3	1	2	-	116	59	-	5
Connecticut.....	-	-	-	-	7	2	5	-	460	347	-	-
MIDDLE ATLANTIC.....	-	3	-	5	160	100	60	-	4,876	4,505	-	30
New York City.....	-	-	-	1	26	9	17	-	712	623	-	12
New York, Up-State.....	-	1	-	-	81	67	14	-	2,198	2,024	-	7
New Jersey.....	-	-	-	2	19	7	12	-	872	683	-	1
Pennsylvania.....	-	2	-	2	34	17	17	-	1,094	1,175	-	10
EAST NORTH CENTRAL...	1	24	-	6	95	39	50	6	3,246	3,851	2	43
Ohio.....	-	1	-	-	25	8	17	-	855	1,076	-	22
Indiana.....	-	1	-	-	8	4	4	-	289	364	-	8
Illinois.....	1	15	-	6	11	5	6	-	544	835	-	5
Michigan.....	-	3	-	-	44	21	23	-	1,322	1,400	1	6
Wisconsin.....	-	4	-	-	7	1	-	6	236	176	1	2
WEST NORTH CENTRAL...	3	89	-	21	20	9	10	1	1,193	1,096	-	16
Minnesota.....	-	3	-	11	2	-	2	-	109	179	-	1
Iowa.....	3	53	-	-	3	-	2	1	174	204	-	3
Missouri.....	-	6	-	-	8	5	3	-	304	420	-	6
North Dakota.....	-	2	-	2	-	-	-	-	45	29	-	2
South Dakota.....	-	12	-	1	1	-	1	-	105	53	-	1
Nebraska.....	-	11	-	-	1	1	-	-	28	80	-	-
Kansas.....	-	2	-	7	5	3	2	-	428	131	-	3
SOUTH ATLANTIC.....	1	18	-	28	63	33	28	2	2,035	2,470	2	37
Delaware.....	-	-	-	-	-	-	-	-	41	34	-	-
Maryland.....	-	-	-	-	14	6	8	-	395	290	-	1
Dist. of Columbia.....	-	-	-	-	1	1	-	-	32	68	-	-
Virginia.....	-	7	-	-	12	8	3	1	301	534	1	9
West Virginia.....	-	-	-	-	6	3	3	-	332	393	-	-
North Carolina.....	1	2	-	-	10	5	5	-	375	613	1	12
South Carolina.....	-	-	-	4	1	-	-	1	71	97	-	3
Georgia.....	-	6	-	20	5	1	4	-	47	106	-	1
Florida.....	-	3	-	4	14	9	5	-	441	335	-	11
EAST SOUTH CENTRAL...	-	10	-	5	34	21	11	2	1,454	2,398	2	20
Kentucky.....	-	3	-	-	10	6	2	2	606	701	-	6
Tennessee.....	-	3	-	1	18	13	5	-	513	955	-	8
Alabama.....	-	3	-	2	2	1	1	-	211	352	1	4
Mississippi.....	-	1	-	2	4	1	3	-	124	390	1	2
WEST SOUTH CENTRAL...	-	18	1	17	50	31	19	-	1,594	1,581	-	10
Arkansas.....	-	4	-	-	4	2	2	-	171	172	-	4
Louisiana.....	-	1	-	5	20	13	7	-	363	300	-	2
Oklahoma.....	-	2	-	-	-	-	-	-	84	81	-	3
Texas.....	-	11	1	12	26	16	10	-	976	1,028	-	1
MOUNTAIN.....	2	16	-	1	19	4	-	15	1,336	1,573	-	3
Montana.....	-	-	-	-	1	-	-	1	119	220	-	-
Idaho.....	-	-	-	-	5	-	-	5	144	247	-	-
Wyoming.....	-	-	-	-	-	-	-	-	45	21	-	-
Colorado.....	-	-	-	-	7	-	-	7	377	333	-	-
New Mexico.....	-	1	-	1	4	4	-	-	191	187	-	-
Arizona.....	-	1	-	-	2	-	-	2	301	373	-	3
Utah.....	2	13	-	-	-	-	-	-	118	182	-	-
Nevada.....	-	1	-	-	-	-	-	-	41	10	-	-
PACIFIC.....	-	13	-	12	127	39	87	1	3,531	3,603	1	12
Washington.....	-	-	-	11	21	6	14	1	399	622	-	1
Oregon.....	-	1	-	-	13	4	9	-	391	476	-	-
California.....	-	12	-	1	87	26	61	-	2,558	2,415	1	11
Alaska.....	-	-	-	-	1	1	-	-	113	65	-	-
Hawaii.....	-	-	-	-	5	2	3	-	70	25	-	-
Puerto Rico	-	-	1	5	17	13	4	-	339	384	-	9

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Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
JUNE 27, 1964 AND JUNE 29, 1963 (26TH WEEK) - CONTINUED

Area	Measles	Meningococcal		Streptococcal		Tetanus		Tularemia		Rabies in		
		Meningitis		Sore Throat and Scarlet Fever						Animals		
			Cumulative				Cum.		Cum.		Cum.	
	1964	1964	1964	1963	1964	1963	1964	1964	1964	1964	1964	1964
UNITED STATES...	6,741	43	1,498	1,448	5,165	4,250	7	123	7	143	78	2,386
NEW ENGLAND.....	380	1	43	91	630	541	1	4	-	-	-	13
Maine.....	-	-	5	15	-	89	-	-	-	-	-	11
New Hampshire.....	8	-	-	4	9	2	-	-	-	-	-	1
Vermont.....	51	-	1	3	-	-	-	-	-	-	-	1
Massachusetts.....	187	-	19	42	55	74	1	4	-	-	-	-
Rhode Island.....	55	1	5	9	58	29	-	-	-	-	-	-
Connecticut.....	79	-	13	13	508	347	-	-	-	-	-	-
MIDDLE ATLANTIC.....	1,000	5	156	197	278	204	-	8	-	-	6	65
New York City.....	294	-	26	28	9	24	-	-	-	-	-	-
New York, Up-State.....	419	1	54	62	188	142	-	2	-	-	6	62
New Jersey.....	205	4	30	27	43	21	-	4	-	-	-	-
Pennsylvania.....	82	-	46	80	38	17	-	2	-	-	-	3
EAST NORTH CENTRAL...	1,511	7	220	237	580	294	2	19	-	12	15	327
Ohio.....	214	1	60	67	45	49	-	3	-	1	9	168
Indiana.....	231	1	34	29	102	65	1	2	-	1	-	17
Illinois.....	89	2	54	43	94	42	1	7	-	8	3	75
Michigan.....	602	1	47	71	241	102	-	6	-	1	1	29
Wisconsin.....	375	2	25	27	98	36	-	1	-	1	2	38
WEST NORTH CENTRAL...	292	6	96	87	74	97	-	7	2	29	27	769
Minnesota.....	2	3	22	17	3	4	-	1	-	1	6	232
Iowa.....	229	1	6	4	39	22	-	2	-	1	6	273
Missouri.....	9	2	48	30	6	2	-	2	1	18	7	123
North Dakota.....	48	-	9	4	26	36	-	-	-	-	1	42
South Dakota.....	-	-	-	5	-	9	-	1	1	1	5	64
Nebraska.....	4	-	5	19	-	-	-	-	-	-	1	21
Kansas.....	NN	-	6	8	-	24	-	1	-	8	1	14
SOUTH ATLANTIC.....	414	5	338	273	387	317	2	42	-	18	3	319
Delaware.....	7	-	4	2	1	-	-	-	-	-	-	-
Maryland.....	19	-	23	41	53	10	-	3	-	-	-	-
Dist. of Columbia..	2	-	9	4	2	-	-	-	-	-	-	-
Virginia.....	102	2	38	66	110	133	-	5	-	4	1	191
West Virginia.....	114	-	24	13	157	60	-	1	-	-	-	22
North Carolina.....	13	1	57	47	8	6	-	12	-	4	-	3
South Carolina.....	43	-	48	13	2	15	-	3	-	-	-	1
Georgia.....	-	-	44	22	1	-	-	1	-	10	1	58
Florida.....	114	2	91	65	53	93	2	17	-	-	1	44
EAST SOUTH CENTRAL...	631	4	138	111	897	861	-	15	-	19	4	308
Kentucky.....	185	-	46	25	73	71	-	2	-	1	-	43
Tennessee.....	403	1	46	48	748	715	-	8	-	12	4	251
Alabama.....	15	3	29	21	36	10	-	4	-	3	-	14
Mississippi.....	28	-	17	17	40	65	-	1	-	3	-	-
WEST SOUTH CENTRAL...	863	2	139	143	491	450	1	11	3	44	14	349
Arkansas.....	7	1	16	9	4	-	1	3	2	24	6	88
Louisiana.....	4	-	99	58	1	2	-	3	-	1	1	31
Oklahoma.....	2	-	5	29	1	10	-	-	1	16	2	57
Texas.....	850	1	19	47	485	438	-	5	-	3	5	173
MOUNTAIN.....	354	2	55	51	997	921	1	4	2	21	-	83
Montana.....	66	-	-	3	29	29	-	-	1	11	-	-
Idaho.....	40	1	3	4	61	114	-	-	-	-	-	-
Wyoming.....	2	-	3	4	3	4	-	1	-	4	-	-
Colorado.....	66	-	11	12	493	392	-	-	-	-	-	4
New Mexico.....	15	1	22	3	194	219	-	1	-	-	-	39
Arizona.....	103	-	3	8	114	94	1	1	-	-	-	39
Utah.....	62	-	5	14	103	69	-	1	1	6	-	-
Nevada.....	-	-	8	3	-	-	-	-	-	-	-	1
PACIFIC.....	1,296	11	313	258	831	565	-	13	-	-	9	153
Washington.....	85	1	25	19	72	119	-	1	-	-	-	-
Oregon.....	328	-	18	17	15	9	-	-	-	-	-	2
California.....	852	9	255	208	667	390	-	11	-	-	9	151
Alaska.....	4	-	6	7	21	21	-	-	-	-	-	-
Hawaii.....	27	1	9	7	56	26	-	1	-	-	-	-
Puerto Rico	105	3	23	4	29	11	2	39	-	-	-	13

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			
	6/6	6/13	6/20	6/27		6/6	6/13	6/20	6/27
NEW ENGLAND:					SOUTH ATLANTIC:				
Boston, Mass.....	31	10	7	8	Atlanta, Ga.....	1	4	3	6
Bridgeport, Conn.....	3	3	4	3	Baltimore, Md.....	6	6	3	3
Cambridge, Mass.....	-	-	-	-	Charlotte, N.C.....	1	-	-	-
Fall River, Mass.....	1	-	1	1	Jacksonville, Fla.....	-	-	1	1
Hartford, Conn.....	1	-	-	-	Miami, Fla.....	1	1	-	1
Lowell, Mass.....	3	3	2	1	Norfolk, Va.....	2	2	3	5
Lynn, Mass.....	2	2	1	2	Richmond, Va.....	1	1	2	1
New Bedford, Mass.....	2	-	2	2	Savannah, Ga.....	5	5	2	3
New Haven, Conn.....	-	2	-	-	St. Petersburg, Fla.....	6	2	3	10
Providence, R.I.....	-	-	1	2	Tampa, Fla.....	6	8	10	8
Somerville, Mass.....	1	-	1	1	Washington, D.C.....	11	8	10	7
Springfield, Mass.....	3	2	3	4	Wilmington, Del.....	2	1	4	2
Waterbury, Conn.....	-	-	-	1					
Worcester, Mass.....	6	1	3	1	EAST SOUTH CENTRAL:				
MIDDLE ATLANTIC:					Birmingham, Ala.....	1	1	-	1
Albany, N.Y.....	-	-	-	4	Chattanooga, Tenn.....	3	-	6	2
Allentown, Pa.....	3	1	-	-	Knoxville, Tenn.....	1	2	1	3
Buffalo, N.Y.....	11	6	4	2	Louisville, Ky.....	6	8	21	6
Camden, N.J.....	5	2	2	2	Memphis, Tenn.....	4	8	8	4
Elizabeth, N.J.....	-	-	1	-	Mobile, Ala.....	-	-	-	-
Erie, Pa.....	4	3	-	-	Montgomery, Ala.....	3	4	2	4
Jersey City, N.J.....	4	6	4	3	Nashville, Tenn.....	5	3	3	2
Newark, N.J.....	1	1	3	3					
New York City, N.Y.....	43	42	53	49	WEST SOUTH CENTRAL:				
Paterson, N.J.....	6	4	4	3	Austin, Tex.....	3	-	8	-
Philadelphia, Pa.....	23	7	5	11	Baton Rouge, La.....	1	2	1	1
Pittsburgh, Pa.....	3	4	4	3	Corpus Christi, Tex.....	1	-	1	1
Reading, Pa.....	2	8	8	1	Dallas, Tex.....	3	4	7	2
Rochester, N.Y.....	6	5	6	10	El Paso, Tex.....	2	-	1	4
Schenectady, N.Y.....	3	-	-	1	Fort Worth, Tex.....	-	2	-	2
Scranton, Pa.....	-	3	1	-	Houston, Tex.....	2	3	2	3
Syracuse, N.Y.....	1	2	3	-	Little Rock, Ark.....	5	4	2	2
Trenton, N.J.....	1	1	8	3	New Orleans, La.....	6	5	7	13
Utica, N.Y.....	1	-	2	-	Oklahoma City, Okla.....	3	-	2	2
Yonkers, N.Y.....	1	2	-	1	San Antonio, Tex.....	6	3	5	-
					Shreveport, La.....	8	3	4	7
EAST NORTH CENTRAL:					Tulsa, Okla.....	3	8	1	3
Akron, Ohio.....	-	1	-	-					
Canton, Ohio.....	3	2	5	5	MOUNTAIN:				
Chicago, Ill.....	23	35	25	29	Albuquerque, N. Mex.....	2	2	-	1
Cincinnati, Ohio.....	8	3	5	6	Colorado Springs, Colo...	1	1	1	-
Cleveland, Ohio.....	5	1	2	3	Denver, Colo.....	5	7	2	6
Columbus, Ohio.....	-	1	3	-	Ogden, Utah.....	-	-	-	1
Dayton, Ohio.....	-	1	1	3	Phoenix, Ariz.....	5	6	5	4
Detroit, Mich.....	15	13	7	10	Pueblo, Colo.....	-	-	-	-
Evansville, Ind.....	1	1	1	1	Salt Lake City, Utah.....	-	-	-	-
Flint, Mich.....	3	2	-	4	Tucson, Ariz.....	2	-	-	-
Fort Wayne, Ind.....	2	-	4	-					
Gary, Ind.....	2	4	7	3	PACIFIC:				
Grand Rapids, Mich.....	6	5	4	-	Berkeley, Calif.....	-	-	-	-
Indianapolis, Ind.....	4	4	3	5	Fresno, Calif.....	2	3	1	-
Madison, Wis.....	-	2	-	-	Glendale, Calif.....	-	-	1	-
Milwaukee, Wis.....	3	2	1	5	Honolulu, Hawaii.....	1	2	-	-
Peoria, Ill.....	1	-	-	-	Long Beach, Calif.....	1	2	-	-
Rockford, Ill.....	3	3	3	1	Los Angeles, Calif.....	18	18	18	23
South Bend, Ind.....	2	-	2	2	Oakland, Calif.....	3	1	-	2
Toledo, Ohio.....	1	4	3	4	Pasadena, Calif.....	2	-	-	-
Youngstown, Ohio.....	-	1	1	1	Portland, Oreg.....	-	2	3	5
					Sacramento, Calif.....	1	-	2	-
WEST NORTH CENTRAL:					San Diego, Calif.....	1	2	3	1
Des Moines, Iowa.....	3	1	1	1	San Francisco, Calif.....	1	5	4	2
Duluth, Minn.....	-	-	-	-	San Jose, Calif.....	2	5	4	-
Kansas City, Kans.....	2	1	-	3	Seattle, Wash.....	5	7	-	5
Kansas City, Mo.....	4	1	7	2	Spokane, Wash.....	1	-	1	1
Lincoln, Nebr.....	2	1	-	1	Tacoma, Wash.....	1	1	2	2
Minneapolis, Minn.....	3	1	3	1					
Omaha, Nebr.....	-	3	3	5	San Juan, P.R.....	(---)	(---)	(---)	(---)
St. Louis, Mo.....	8	6	8	8					
St. Paul, Minn.....	2	1	1	1					
Wichita, Kans.....	6	9	5	4					

^oCurrent Week Mortality for 108 Selected Cities

4(A) Total Mortality, all ages.....	11,632
4(B) Pneumonia-Influenza Deaths, all ages.....	372
4(C) Total Deaths under 1 Year of Age.....	680
4(D) Total Deaths, Persons 65 years and over.....	6,563

*Estimate - based on average percent of divisional total.
 Totals for previous weeks include reported corrections.

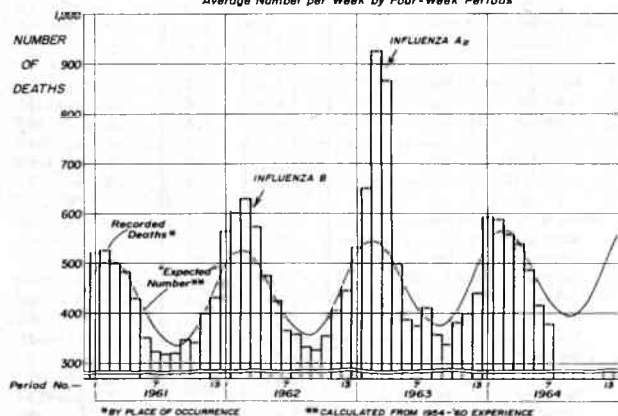
NOTE: All deaths by place of occurrence.

SUMMARY OF PNEUMONIA AND INFLUENZA DEATHS

The weekly average number of pneumonia-influenza deaths for the four-week period ending June 27 was 379 as compared with an expected weekly average of 428.

	Week Ending				4 Week Total	Weekly Average
	6/6	6/13	6/20	6/27		
Observed	417	352	377	372	1,518	379
Expected	439	432	425	418	1,714	428
Excess	-22	-80	-48	-46	-196	-49

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



(See table, page 231)

ERRATUM

In the epidemiological report on a family outbreak of chickenpox in Minnesota, appearing in the Morbidity and Mortality Weekly Report, Vol. 13, page 219, the next to last paragraph should read "Patient D" not "Patient B." Patient D died; patient B recovered.

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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
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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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