COMMUNICABLE DISEASE CENTER

Morbidity and Mortality

Vol. 14, No. 24

WEEKLY REPORT

Week Ending June 19, 1965

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

EPIDEMIOLOGIC NOTES

POLIOMYELITIS

A total of 3 cases of poliomyelitis, including 2 with paralysis, have been reported for the week ended June 19, 1965. The cumulative total for the first 24 weeks of 1965 is 19 cases, 15 of which are paralytic. In 1964, a total of 36 cases (29 paralytic) was reported for a similar period. The numbers of reported cases for 1965 and the previous 4 years are shown in the table at right. A steady decline in incidence continues to be noted.

CONTENTS

Poliomyelitis (Cumulated Weekly) Through 24th Week, 1961–1965

	1965	1964	1963	1962	1961
Paralytic	15	29	59	135	138
Total	19	36	68	175	203

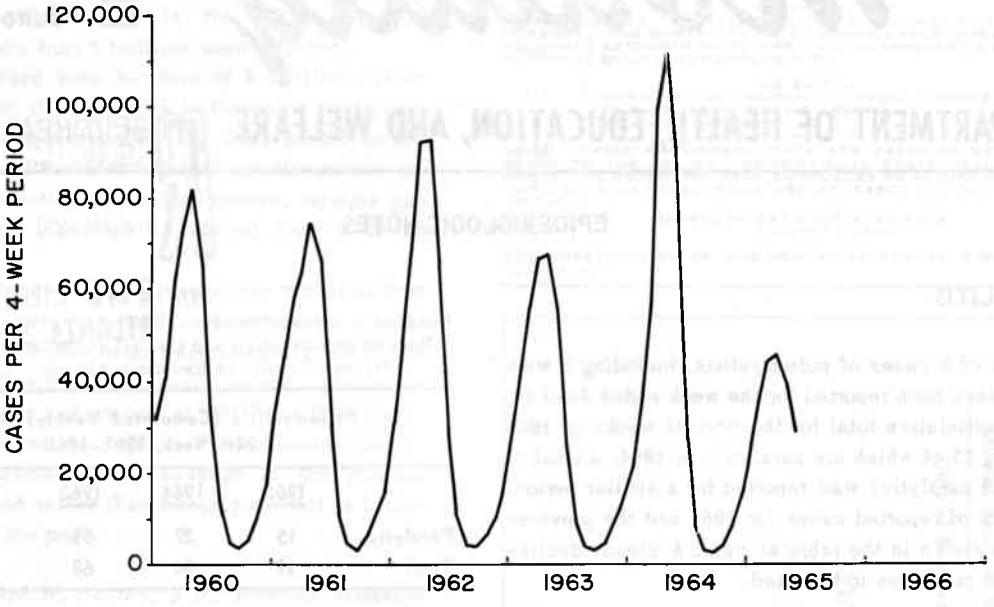
Table 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
(Cumulative totals include revised and delayed reports through previous weeks)

DISEASE	24th WEEK ENDED JUNE 19, 1965	24th WEEK ENDED JUNE 13, 1964	MEDIAN 1960–1964	CUMULATIVE, FIRST 24 WEEKS 1965	CUMULATIVE, FIRST 24 WEEKS 1964	CUMULATIVE, FIRST 24 WEEKS MEDIAN 1960–1964
Aseptic meningitis	37	39	36	656	693	642
Brucellosis	6	7	10	111	178	183
Diphtheria	1	12	7	80	134	204
Encephalitis, primary infectious	25	53	---	710	850	---
Encephalitis, post-infectious	16	28	---	385	475	---
Hepatitis, infectious including serum hepatitis	548	646	660	17,129	20,273	22,343
Measles	6,268	12,377	13,202	220,165	422,640	346,559
Meningococcal infections	47	49	38	1,868	1,505	1,177
Poliomyelitis, Total	3	1	7	19	36	175
Paralytic	2	1	5	15	29	135
Nonparalytic	1	–	---	4	6	---
Unspecified	–	–	---	–	1	---
Streptococcal Sore Throat and Scarlet fever	6,142	6,675	4,794	234,838	240,727	200,591
Tetanus	9	8	---	102	109	---
Tularemia	11	12	---	111	131	---
Typhoid fever	15	9	9	176	160	218
Rabies in Animals	68	95	70	2,320	2,224	1,938

Table 2. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	6	Rabies in Man:	1
Botulism:	8	Smallpox:	1
Leptospirosis: Md.-1, Ga.-1	17	Trichinosis: NY Up-State-1, Mich.-1, Pa.-1	56
Malaria: Calif.-2	31	Typhus –	
Plague:	–	Murine:	8
Psittacosis: Md.-1, Texas-1	18	Rky. Mt. Spotted: NY Up-State-1, N.J.-3, Md.-1, Pa.-2, Ark.-1, Va.-3, Ohio-2, Ky.-1, Tenn.-1	48
Cholera:	1		

REPORTED CASES OF MEASLES BY FOUR-WEEK PERIODS UNITED STATES, 1960-1965



Source: National Morbidity Reports

MEASLES – CURRENT TRENDS

A total of 6,268 cases of measles was reported for the week ended June 19. Thus far in 1965 there have been 220,165 cases, fewer than were reported during comparable periods in any of the preceding 5 years (See figure). The seasonal decrease which began during the week ended May 15 is continuing.

This year New England is the only area with a substantial increase in measles compared with last year. In the Middle Atlantic, East North Central, East South Central and Pacific States, reported measles is at the lowest ebb in 5 years. Each of the other geographic divisions (See table) has reported considerably fewer cases this year than during recent years of peak incidence. Whether or not the overall decrease in the number of reported cases is related to the use of measles vaccines cannot be determined at this time.

REPORTED CASES OF MEASLES BY GEOGRAPHIC DIVISION, WEEKS 1-26, 1960-65

Geographic Division	1960	1961	1962	1963	1964	1965*
New England	37,105	34,349	53,665	13,174	15,129	35,644
Middle Atlantic	50,669	72,818	80,680	36,525	49,622	12,280
East North Central	111,153	99,864	57,964	141,255	98,383	48,405
West North Central	7,756	12,919	14,804	19,249	29,383	15,894
South Atlantic	18,316	37,522	26,193	30,035	36,730	22,559
East South Central	29,954	26,360	33,676	16,707	65,829	12,832
West South Central	49,580	14,419	67,471	19,329	69,629	29,110
Mountain	19,867	15,640	24,079	26,131	16,818	17,890
Pacific	46,611	45,782	57,891	32,821	59,747	25,551
Total	371,011	359,673	416,423	335,226	441,270	220,165

*Preliminary figures through week 24.

RECOMMENDATIONS FOR INFLUENZA IMMUNIZATION AND CONTROL IN THE CIVILIAN POPULATION – 1965-66

The Public Health Service Advisory Committee on Immunization Practices met on June 11, 1965 and issued the following recommendations regarding influenza immunization and control in the civilian population.

1. Influenza Prospectus – 1965-66 – United States

Influenza was confirmed in a majority of States in the eastern two-thirds of the country during the 1964-65 season. Although widespread in some areas, the level of involvement was generally low and excess pneumonia-influenza mortality was only modestly elevated. Most States in the Far West were unaffected.

Numerous strains of Type A_2 virus were isolated and subsequently characterized as showing a drift in antigenic constituion from previous A_2 viruses. There was, however, no major antigenic change. A few strains of Type B influenza virus were recovered from discrete outbreaks recognized in the West.

Based on available morbidity and mortality data the 1964-65 influenza experience in the United States was limited. The last major epidemic of Type A illness occurred in 1962-63 and on the West Coast in 1963-64. In view of influenza's two to three year periodicity, increased amounts of influenza may be expected in the coming season. Areas that were most involved in 1964-65 might expect a lesser amount of disease in 1965-66.

Although Type A viruses may predominate in 1965-66, the presence of Type B influenza in the U.S. and its prevalence in Europe in 1964-65, increases the expectation of Type B outbreaks in 1965-66 in the U.S.

2. Vaccine Efficacy

Influenza vaccine has consistently shown a substantial protective value when the viruses incorporated in the vaccine were antigenically similar to those causing the epidemic disease. Exceptions to the vaccines' apparent effectiveness have occurred in instances when the prevalent virus underwent a major antigenic shift after vaccines had been formulated. Careful study goes into the annual design and updating of the composition of influenza vaccines. The final selection of components reflects the best judgement regarding a potent, contemporary vaccine.

That influenza vaccine prevents mortality from influenza, particularly among the aged and chronically ill, is based upon inference. It is presumed that vaccine protection demonstrated in studies among younger persons is similar among the aged and chronically ill, the group at particular risk of death should they acquire the disease. It is further assumed that such protection against clinical disease serves to protect them also against mortality associated with epidemic influenza.

3. High Risk Groups

Annual immunization is generally recommended for for persons in groups who experience high mortality from epidemic influenza. Such groups include:

(a) Persons at all ages who suffer from chronic debilitating disease, e.g., chronic and cardiovascular, pulmonary, renal or metabolic disorders; in particular:
   1. Patients with rheumatic heart disease, especially those with mitral stenosis.
   2. Patients with other cardiovascular disorders such as arteriosclerotic heart disease and hypertension, especially those with evidence of frank or incipient cardiac insufficiency.
   3. Patients with chronic bronchopulmonary disease, for example, chronic asthma, chronic bronchitis, bronchiectasis, pulmonary fibrosis, pulmonary emphysema, pulmonary tuberculosis.
   4. Patients with diabetes mellitus and Addison's disease.

(b) Persons in older age groups. During three successive recent epidemics a moderate increase in mortality has been demonstrated among persons over 45 years and a marked increase among those over 65 years of age.

(c) Pregnant women – It is to be noted that some increased mortality was observed among pregnant women during the 1957-58 influenza A_2 epidemic both in this country and abroad. It has not, however, been demonstrated in subsequent years.

(d) Patients residing in Nursing Homes, Chronic Disease Hospitals, and other such environments should be considered at particular risk since their more crowded living arrangements may allow for greater spread of disease once an outbreak has been established.

4. Time of Vaccination

Vaccination should begin as soon as practicable after September 1 and ideally should be completed by mid-December. It is important that immunization be carried out before influenza occurs in the immediate area since there is a two week interval before the development of antibodies.

5. Vaccine Composition

Recent isolates of the Type A viruses demonstrate a continued alteration in antigenic structure. Accordingly, it will be noted that a more recent strain of influenza A_2 has been added. The antigenic composition of the vaccine for the 1965-66 season is as follows:

Type	Strain	CCA Units per ml.
A	PR8	100
A_1	Ann Arbor/1/57	100
A_2	Japan/170/62	100
A_2	Taiwan/1/64	100
B	Maryland/1/59	200
		600

(Continued on page 208)

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
JUNE 19, 1965 AND JUNE 13, 1964 (24th WEEK)

Area	Aseptic Meningitis		Encephalitis		Poliomyelitis						Diphtheria	
			Primary	Post-Inf.	Total Cases			Paralytic				
						Cumulative			Cumulative			Cum.
	1965	1964	1965	1965	1965	1965	1964	1965	1965	1964	1965	1965
UNITED STATES...	37	39	25	16	3	19	36	2	15	29	1	80
NEW ENGLAND.....	3	-	-	3	-	-	1	-	-	1	-	1
Maine.....	-	-	-	-	-	-	1	-	-	1	-	-
New Hampshire.....	-	-	-	-	-	-	-	-	-	-	-	-
Vermont.....	-	-	-	1	-	-	-	-	-	-	-	-
Massachusetts.....	2	-	-	1	-	-	-	-	-	-	-	1
Rhode Island.....	1	-	-	1	-	-	-	-	-	-	-	-
Connecticut.....	-	-	-	-	-	-	-	-	-	-	-	-
MIDDLE ATLANTIC.....	7	6	7	4	-	1	5	-	-	5	-	4
New York City.....	2	2	2	-	-	1	1	-	-	1	-	2
New York, Up-State.	2	3	-	2	-	-	2	-	-	2	-	-
New Jersey.....	2	1	4	-	-	-	2	-	-	2	-	-
Pennsylvania.....	1	-	1	2	-	-	-	-	-	-	-	2
EAST NORTH CENTRAL...	-	6	3	-	1	1	3	-	-	3	-	3
Ohio.....	-	1	-	-	-	-	2	-	-	2	-	1
Indiana.....	-	-	-	-	-	-	-	-	-	-	-	2
Illinois.....	-	3	1	-	1	1	1	-	-	1	-	-
Michigan.....	-	2	2	-	-	-	-	-	-	-	-	-
Wisconsin.....	-	-	-	-	-	-	-	-	-	-	-	-
WEST NORTH CENTRAL...	2	-	-	2	-	4	2	-	4	1	-	18
Minnesota.....	1	-	-	2	-	1	-	-	1	-	-	7
Iowa.....	-	-	-	-	-	-	-	-	-	-	-	1
Missouri.....	-	-	-	-	-	-	2	-	-	1	-	1
North Dakota.....	-	-	-	-	-	-	-	-	-	-	-	-
South Dakota.....	-	-	-	-	-	-	-	-	-	-	-	7
Nebraska.....	1	-	-	-	-	3	-	-	3	-	-	1
Kansas.....	-	-	-	-	-	-	-	-	-	-	-	1
SOUTH ATLANTIC.....	1	1	9	-	-	-	14	-	-	10	-	18
Delaware.....	-	-	1	-	-	-	-	-	-	-	-	-
Maryland.....	-	-	1	-	-	-	1	-	-	1	-	-
Dist. of Columbia..	-	-	-	-	-	-	-	-	-	-	-	3
Virginia.....	-	1	5	-	-	-	-	-	-	-	-	-
West Virginia.....	-	-	-	-	-	-	1	-	-	1	-	-
North Carolina.....	1	-	1	-	-	-	7	-	-	3	-	1
South Carolina.....	-	-	-	-	-	-	-	-	-	-	-	-
Georgia.....	-	-	-	-	-	-	1	-	-	1	-	8
Florida.....	-	-	1	-	-	-	4	-	-	4	-	6
EAST SOUTH CENTRAL...	-	2	-	-	-	-	3	-	-	2	1	12
Kentucky.....	-	2	-	-	-	-	-	-	-	-	-	-
Tennessee.....	-	-	-	-	-	-	1	-	-	-	-	-
Alabama.....	-	-	-	-	-	-	2	-	-	2	1	11
Mississippi.....	-	-	-	-	-	-	-	-	-	-	-	1
WEST SOUTH CENTRAL...	7	6	1	2	-	4	2	-	4	2	-	19
Arkansas.....	-	-	-	1	-	-	-	-	-	-	-	2
Louisiana.....	1	-	1	-	-	1	-	-	1	-	-	2
Oklahoma.....	-	2	-	-	-	-	1	-	-	1	-	-
Texas.....	6	4	-	1	-	3	1	-	3	1	-	15
MOUNTAIN.....	-	4	2	-	-	4	4	-	2	3	-	-
Montana.....	-	-	-	-	-	-	-	-	-	-	-	-
Idaho.....	-	-	-	-	-	-	-	-	-	-	-	-
Wyoming.....	-	-	-	-	-	-	2	-	-	2	-	-
Colorado...	-	3	2	-	-	-	1	-	-	1	-	-
New Mexico.....	-	-	-	-	-	1	1	-	1	-	-	-
Arizona.....	-	-	-	-	-	3	-	-	1	-	-	-
Utah.....	-	1	-	-	-	-	-	-	-	-	-	-
Nevada.....	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	17	14	3	5	2	5	2	2	5	2	-	5
Washington.....	2	2	-	-	2	3	-	2	3	-	-	-
Oregon.....	-	-	-	-	-	1	1	-	1	1	-	1
California.....	15	12	3	5	-	1	1	-	1	1	-	4
Alaska.....	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii.....	-	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico	-	-	-	-	-	-	-	-	-	-	-	6

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
JUNE 19, 1965 AND JUNE 13, 1964 (24th WEEK) - Continued

Area	Brucellosis	Infectious Hepatitis including Serum Hepatitis					Meningococcal Infections			Tetanus	
		Total incl. unk.	Under 20 years	20 years and over	Cumulative Totals			Cumulative			Cum.
	1965	1965	1965	1965	1965	1964	1965	1965	1964	1965	1965
UNITED STATES...	6	548	269	248	17,129	20,273	47	1,868	1,505	9	102
NEW ENGLAND.....	-	28	15	10	1,031	2,095	2	94	40	-	5
Maine.....	-	2	1	1	199	707	1	10	5	-	-
New Hampshire.....	-	5	4	-	99	148	-	5	-	-	1
Vermont.....	-	-	-	-	45	259	-	2	1	-	-
Massachusetts.....	-	15	10	5	398	427	1	32	18	-	3
Rhode Island.....	-	2	-	1	132	112	-	14	3	-	-
Connecticut.....	-	4	-	3	158	442	-	31	13	-	1
MIDDLE ATLANTIC.....	-	106	48	58	2,969	4,599	5	250	176	1	7
New York City.....	-	23	8	15	556	674	-	43	26	-	-
New York, Up-State.	-	29	13	16	1,210	2,056	-	64	50	-	2
New Jersey.....	-	30	14	16	548	830	1	70	57	-	-
Pennsylvania.....	-	24	13	11	655	1,039	4	73	43	1	5
EAST NORTH CENTRAL...	1	100	55	40	3,327	3,090	5	237	204	1	9
Ohio.....	-	23	11	10	950	807	1	63	58	-	1
Indiana.....	-	13	8	5	281	269	1	34	33	1	5
Illinois.....	1	7	3	4	631	534	-	61	46	-	1
Michigan.....	-	49	30	19	1,252	1,252	3	51	46	-	-
Wisconsin.....	-	8	3	2	213	228	-	28	21	-	2
WEST NORTH CENTRAL...	1	23	15	6	1,109	1,143	3	101	87	2	6
Minnesota.....	1	11	9	2	111	104	-	19	19	2	4
Iowa.....	-	4	1	2	419	166	-	5	5	-	1
Missouri.....	-	6	4	1	219	286	1	47	44	-	1
North Dakota.....	-	-	-	-	15	42	2	7	8	-	-
South Dakota.....	-	-	-	-	16	104	-	2	-	-	-
Nebraska.....	-	-	-	-	33	25	-	10	5	-	-
Kansas.....	-	2	1	1	296	416	-	11	6	-	-
SOUTH ATLANTIC.....	2	70	30	36	1,759	1,901	9	365	327	2	28
Delaware.....	-	-	-	-	57	41	-	4	4	-	-
Maryland.....	-	8	3	5	330	361	1	36	23	-	1
Dist. of Columbia..	-	-	-	-	21	31	-	5	10	-	-
Virginia.....	2	16	8	5	429	281	3	45	36	-	5
West Virginia.....	-	13	3	10	268	318	-	23	22	-	1
North Carolina.....	-	9	6	3	148	353	3	68	56	-	2
South Carolina.....	-	5	3	1	67	69	-	52	48	1	3
Georgia.....	-	-	-	-	60	42	-	45	44	-	3
Florida.....	-	19	7	12	379	405	2	87	84	1	13
EAST SOUTH CENTRAL...	-	28	16	12	1,245	1,385	9	144	135	1	15
Kentucky.....	-	11	8	3	431	589	3	61	48	1	3
Tennessee.....	-	6	3	3	448	478	2	45	45	-	5
Alabama.....	-	9	4	5	205	199	4	27	25	-	6
Mississippi.....	-	2	1	1	161	119	-	11	17	-	1
WEST SOUTH CENTRAL...	2	49	26	23	1,471	1,481	4	274	189	2	19
Arkansas.....	-	4	1	3	207	161	-	13	13	-	4
Louisiana.....	-	6	1	5	252	324	2	153	95	-	2
Oklahoma.....	1	3	2	1	37	82	-	17	5	1	1
Texas.....	1	36	22	14	975	914	2	91	76	1	12
MOUNTAIN.....	-	25	5	4	1,033	1,272	1	60	53	-	2
Montana.....	-	3	1	-	77	114	1	2	-	-	-
Idaho.....	-	-	-	-	156	137	-	7	2	-	-
Wyoming.....	-	-	-	-	31	42	-	4	3	-	-
Colorado.....	-	7	2	4	203	345	-	13	11	-	1
New Mexico.....	-	3	2	-	219	185	-	10	21	-	-
Arizona.....	-	2	-	-	197	293	-	16	3	-	1
Utah.....	-	10	-	-	145	115	-	6	5	-	-
Nevada.....	-	-	-	-	5	41	-	2	8	-	-
PACIFIC.....	-	119	59	59	3,185	3,307	9	343	294	-	11
Washington.....	-	4	4	-	269	366	1	26	23	-	-
Oregon.....	-	9	4	4	262	367	-	27	18	-	2
California.....	-	97	50	47	2,483	2,402	7	271	240	-	9
Alaska.....	-	2	-	2	146	110	1	12	6	-	-
Hawaii.....	-	7	1	6	25	62	-	7	7	-	-
Puerto Rico	-	26	20	6	608	452	-	3	26	1	18

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
JUNE 19, 1965 AND JUNE 13, 1964 (24th WEEK) - Continued

Area	Measles			Strept. Sore Th. & Scarlet Fev.	Tularemia		Typhoid Fever		Rabies in Animals	
		Cumulative				Cum.		Cum.		Cum.
	1965	1965	1964	1965	1965	1965	1965	1965	1965	1965
UNITED STATES...	6,268	220,165	422,640	6,142	11	111	15	176	68	2,320
NEW ENGLAND.....	434	35,644	14,073	796	-	-	1	2	-	26
Maine.....	51	2,668	2,451	97	-	-	-	-	-	3
New Hampshire.....	3	373	222	5	-	-	-	-	-	-
Vermont.....	36	1,061	2,069	13	-	-	-	-	-	21
Massachusetts.....	146	18,864	4,109	96	-	-	-	1	-	1
Rhode Island.....	39	3,801	1,563	37	-	-	1	1	-	-
Connecticut.....	159	8,877	3,659	548	-	-	-	-	-	1
MIDDLE ATLANTIC.....	671	12,280	47,641	335	-	-	3	31	4	92
New York City.....	149	1,594	14,094	8	-	-	2	17	-	-
New York, Up-State.	178	3,359	10,749	234	-	-	-	6	4	84
New Jersey.....	106	2,041	11,226	50	-	-	-	2	-	-
Pennsylvania.....	238	5,286	11,572	43	-	-	1	6	-	8
EAST NORTH CENTRAL...	2,155	48,405	92,992	611	-	8	2	24	9	330
Ohio.....	203	8,363	17,812	91	-	-	-	6	-	165
Indiana.....	94	1,602	20,958	68	-	2	1	8	2	28
Illinois.....	48	2,194	15,491	116	-	5	1	5	5	66
Michigan.....	876	24,087	25,611	242	-	-	-	3	1	31
Wisconsin.....	934	12,159	13,120	94	-	1	-	2	1	40
WEST NORTH CENTRAL...	474	15,894	27,995	174	2	12	-	4	14	451
Minnesota.....	6	596	296	-	-	1	-	-	2	89
Iowa.....	358	8,837	21,793	56	-	-	-	1	1	131
Missouri.....	61	2,465	828	2	2	8	-	3	1	62
North Dakota.....	45	3,441	4,267	64	-	-	-	-	1	23
South Dakota.....	4	108	3	6	-	1	-	-	2	33
Nebraska.....	-	447	808	-	-	-	-	-	-	25
Kansas.....	NN	NN	NN	46	-	2	-	-	7	88
SOUTH ATLANTIC.....	591	22,559	35,785	626	-	25	3	39	7	318
Delaware.....	13	481	351	39	-	-	1	4	-	-
Maryland.....	25	957	3,282	119	-	-	2	12	-	3
Dist. of Columbia..	1	55	349	8	-	-	-	-	-	-
Virginia.....	97	3,570	12,118	138	-	4	-	4	2	241
West Virginia.....	383	12,628	7,841	179	-	-	-	1	1	11
North Carolina.....	6	301	1,069	8	-	4	-	10	-	2
South Carolina.....	10	957	4,082	42	-	3	-	4	-	2
Georgia.....	2	587	154	8	-	14	-	2	1	27
Florida.....	54	3,023	6,539	85	-	-	-	2	3	32
EAST SOUTH CENTRAL...	257	12,832	63,709	792	1	15	2	18	5	571
Kentucky.....	36	2,287	17,735	10	-	3	-	6	2	52
Tennessee.....	185	7,337	22,024	710	1	11	2	6	2	508
Alabama.....	24	2,175	17,359	30	-	1	-	3	1	8
Mississippi.....	12	1,033	6,591	42	-	-	-	3	-	3
WEST SOUTH CENTRAL...	422	29,110	67,861	610	7	39	1	25	21	383
Arkansas.....	20	1,074	1,035	1	5	24	1	9	3	53
Louisiana.....	8	85	88	-	-	1	-	3	3	62
Oklahoma.....	2	169	913	5	1	7	-	2	2	69
Texas.....	392	27,782	65,825	604	1	7	-	11	13	199
MOUNTAIN.....	572	17,890	16,011	1,101	-	10	-	13	1	42
Montana.....	72	3,409	2,510	8	-	2	-	-	-	3
Idaho.....	88	2,447	1,632	74	-	-	-	-	-	-
Wyoming.....	15	820	230	3	-	1	-	1	-	-
Colorado.....	228	5,096	2,754	565	-	-	-	-	-	2
New Mexico.....	21	599	331	169	-	-	-	8	1	9
Arizona.....	39	1,029	6,030	71	-	-	-	4	-	27
Utah.....	109	4,300	1,573	211	-	7	-	-	-	1
Nevada.....	-	190	951	-	-	-	-	-	-	-
PACIFIC.....	692	25,551	56,573	1,097	1	2	3	20	7	107
Washington.....	74	7,116	19,475	106	-	-	-	2	-	-
Oregon.....	40	2,981	6,962	6	-	-	-	3	-	2
California.....	307	12,044	28,743	739	1	2	3	14	7	103
Alaska.....	3	131	1,051	50	-	-	-	-	-	2
Hawaii.....	268	3,279	342	196	-	-	-	1	-	-
Puerto Rico	148	1,894	4,675	23	-	-	-	3	-	10

Week No. 24

Table 4. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED JUNE 19, 1965

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

Area	All Causes		Pneumonia and Influenza	Under 1 year
	All Ages	65 years and over	All Ages	All Causes
NEW ENGLAND:	718	424	25	62
Boston, Mass.	221	128	9	17
Bridgeport, Conn.	51	33	4	4
Cambridge, Mass.	28	21	-	1
Fall River, Mass.	37	20	-	1
Hartford, Conn.	45	26	1	5
Lowell, Mass.	25	14	3	4
Lynn, Mass.	24	20	-	-
New Bedford, Mass.	30	23	-	1
New Haven, Conn.	55	21	-	13
Providence, R. I.	53	30	3	5
Somerville, Mass.	12	7	-	-
Springfield, Mass.	53	34	4	-
Waterbury, Conn.	25	13	-	2
Worcester, Mass.	59	34	1	9
MIDDLE ATLANTIC:	3,014	1,651	109	195
Albany, N. Y.	45	21	-	2
Allentown, Pa.	31	20	-	2
Buffalo, N. Y.	164	93	4	12
Camden, N. J.	36	22	1	9
Elizabeth, N. J.	23	15	2	1
Erie, Pa.	44	25	5	3
Jersey City, N. J.	64	36	2	3
Newark, N. J.	85	33	7	6
New York City, N. Y.	1,508	824	58	71
Paterson, N. J.	33	18	1	4
Philadelphia, Pa.	413	207	9	47
Pittsburgh, Pa.	181	96	3	11
Reading, Pa.	42	25	2	1
Rochester, N. Y.	120	76	8	8
Schenectady, N. Y.	24	17	1	-
Scranton, Pa.	34	19	-	1
Syracuse, N. Y.	53	31	1	3
Trenton, N. J.	49	30	2	5
Utica, N. Y.	25	16	3	3
Yonkers, N. Y.	40	27	-	3
EAST NORTH CENTRAL:	2,435	1,315	76	155
Akron, Ohio	57	35	-	2
Canton, Ohio	38	23	4	1
Chicago, Ill.	675	336	32	51
Cincinnati, Ohio	161	100	3	11
Cleveland, Ohio	188	104	3	9
Columbus, Ohio	90	46	1	3
Dayton, Ohio	97	47	2	4
Detroit, Mich.	322	158	7	31
Evansville, Ind.	32	22	2	2
Flint, Mich.	49	29	-	3
Fort Wayne, Ind.	42	20	1	-
Gary, Ind.	44	28	4	4
Grand Rapids, Mich.	50	34	2	4
Indianapolis, Ind.	158	82	6	6
Madison, Wis.	31	16	-	2
Milwaukee, Wis.	135	84	2	6
Peoria, Ill.	40	23	-	4
Rockford, Ill.	29	16	1	2
South Bend, Ind.	43	24	1	1
Toledo, Ohio	93	52	3	6
Youngstown, Ohio	61	36	2	3
WEST NORTH CENTRAL:	781	443	24	56
Des Moines, Iowa	68	43	-	5
Duluth, Minn.	26	20	-	-
Kansas City, Kans.	40	24	3	7
Kansas City, Mo.	132	78	5	11
Lincoln, Nebr.	16	7	-	1
Minneapolis, Minn.	103	51	1	7
Omaha, Nebr.	54	23	3	3
St. Louis, Mo.	224	125	9	15
St. Paul, Minn.	64	44	-	4
Wichita, Kans.	54	28	3	3
SOUTH ATLANTIC:	1,072	527	38	66
Atlanta, Ga.	109	41	4	3
Baltimore, Md.	241	127	4	12
Charlotte, N. C.	47	21	4	3
Jacksonville, Fla.	88	40	1	10
Miami, Fla.	54	29	-	4
Norfolk, Va.	49	21	3	2
Richmond, Va.	84	38	-	11
Savannah, Ga.	27	14	3	-
St. Petersburg, Fla.	68	45	5	4
Tampa, Fla.	79	50	8	1
Washington, D. C.	188	79	3	15
Wilmington, Del.	38	22	3	1
EAST SOUTH CENTRAL:	567	268	27	39
Birmingham, Ala.	81	29	2	3
Chattanooga, Tenn.	50	23	2	6
Knoxville, Tenn.	40	24	1	3
Louisville, Ky.*	112	57	9	8
Memphis, Tenn.	104	44	4	9
Mobile, Ala.	42	14	-	2
Montgomery, Ala.	35	23	2	-
Nashville, Tenn.	103	54	7	8
WEST SOUTH CENTRAL:	1,080	559	34	77
Austin, Tex.*	37	22	3	2
Baton Rouge, La.	27	14	1	2
Corpus Christi, Tex.	20	9	-	3
Dallas, Tex.	153	83	6	10
El Paso, Tex.	35	12	3	4
Fort Worth, Tex.	71	42	3	4
Houston, Tex.	196	93	4	14
Little Rock, Ark.	58	30	-	2
New Orleans, La.	170	84	-	19
Oklahoma City, Okla.	93	52	2	6
San Antonio, Tex.	101	56	2	4
Shreveport, La.	67	39	5	4
Tulsa, Okla.	52	23	5	3
MOUNTAIN:	334	194	11	17
Albuquerque, N. Mex.	28	12	2	2
Colorado Springs, Colo.	16	10	1	-
Denver, Colo.	91	49	1	5
Ogden, Utah	12	8	1	1
Phoenix, Ariz.	76	41	3	3
Pueblo, Colo.	19	10	-	2
Salt Lake City, Utah	49	34	1	2
Tucson, Ariz.	43	30	2	2
PACIFIC:	1,426	820	35	77
Berkeley, Calif.	14	11	-	-
Fresno, Calif.	50	24	1	5
Glendale, Calif.	39	26	-	1
Honolulu, Hawaii	42	12	3	4
Long Beach, Calif.	62	38	-	5
Los Angeles, Calif.	462	265	13	29
Oakland, Calif.	46	22	1	3
Pasadena, Calif.	38	21	-	1
Portland, Oreg.	114	65	5	8
Sacramento, Calif.	86	48	-	3
San Diego, Calif.	73	40	4	7
San Francisco, Calif.	164	94	-	1
San Jose, Calif.	27	16	1	2
Seattle, Wash.	120	70	4	6
Spokane, Wash.	57	41	3	2
Tacoma, Wash.	32	27	-	-
Total	11,427	6,201	379	744

*Estimate - based on average percent of divisional total.

Cumulative Totals
including reported corrections for previous weeks

All Causes, All Ages	307,840
All Causes, Age 65 and over	174,984
Pneumonia and Influenza, All Ages	13,710
All Causes, Under 1 Year of Age	18,086

INFLUENZA *(Continued from page 203)*

6. Dose and Schedule of Vaccination

(a) Primary Series – Individuals not vaccinated since July 1963 when the last major change in vaccine formulation was made should receive an initial subcutaneous dose of polyvalent vaccine followed by a second dose two months later. It is to be pointed out, however, that even a single dose can afford significant protection. A second dose given as early as two weeks following the first will enhance the protection.

Summary:

Adults and children over 12 years
1.0 ml. dose subcutaneously on two occasions as specified above

Children 6 to 12 years*
0.5 ml. dose subcutaneously on two occasions as specified above

Children 3 months to 5 years*
0.1 – 0.2 ml. of vaccine given subcutaneously on two occasions separated by one to two weeks followed by a third dose of 0.1 – 0.2 ml. about two months later.

(b) Revaccination – Individuals vaccinated since July 1963 need receive but a single booster of vaccine at the dose level specified for the primary series. For those in the older age groups who have previously experienced undue reactions to influenza vaccine, a revaccination dose of 0.1 ml. given by careful intracutaneous injection can be expected to give an antibody response which is somewhat comparable to that induced by the 1.0 ml. subcutaneous dose. The intracutaneous route is not recommended, however, for use in other than these special cases.

(c) Contraindication – Since the vaccine viruses are produced in eggs, the vaccine should not be administered to those who are hypersensitive to eggs or egg products.

*Since febrile reactions in this age group are common following influenza vaccination, an antipyretic may be indicated.

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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:

THE EDITOR
MORBIDITY AND MORTALITY WEEKLY REPORT
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NOTE: THESE PROVISIONAL DATA ARE BASED ON WEEKLY TELEGRAMS TO THE CDC BY THE INDIVIDUAL STATE HEALTH DEPARTMENTS. THE REPORTING WEEK CONCLUDES ON SATURDAY; COMPILED DATA ON A NATIONAL BASIS ARE RELEASED ON THE SUCCEEDING FRIDAY.

SYMBOLS:---DATA NOT AVAILABLE
- QUANTITY ZERO

THE CONSTRUCTION OF THE MORTALITY CURVES IS DESCRIBED IN VOL. 14, NO. 1.