

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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ATLANTA, GEORGIA 30333

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PROVISIONAL INFORMATION ON SELECTED NOTIFIABLE DISEASES IN THE UNITED STATES AND ON DEATHS IN SELECTED CITIES FOR WEEK ENDED MARCH 14, 1964

BOTULISM

Washington reported 4 cases of botulism, one fatal, for the week ended March 14, which brings the national total to 6 cases thus far in 1964. For the comparable in 1963, 2 cases were reported.

The 4 Washington cases occurred in Camas (Clark County). They are believed due to the ingestion of home processed green beans, according to Ernest A. Ager, M.D., Chief, Division of Epidemiology, Washington State Department of Health and Donald A. Champaign, M.D., District Health Officer, Clark-Scamania Health Department, Vancouver, Washington.

All cases occurred in one family of 6. A 40-year-old mother and her 3-year-old daughter apparently ate the beans March 10; the 40-year-old father and 7-year-old son ate the beans later the same day. All 4 became ill within 24 hours after eating the beans. The mother died. The daughter is in critical condition in a Vancouver hospital; the father and son are in serious condition. Two other sons did not eat the beans; they remained asymptomatic. Further epidemiologic investigation and laboratory studies are in progress.

All 6 cases reported in 1964 are related to home processed foods.

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

Disease	11th Week Ended		Median 1959 - 1963	Cumulative, First 11 Weeks		
	March 14, 1964	March 16, 1963		1964	1963	Median 1959 - 1963
Aseptic meningitis	27	25	---	285	254	---
Brucellosis	6	9	12	78	65	104
Diphtheria	3	8	10	41	71	187
Encephalitis, primary infectious ..	33	---	---	337	---	---
Encephalitis, post-infectious	10	34	---	110	243	---
Hepatitis, infectious including						
serum hepatitis	903	948	948	10,349	12,052	12,052
Measles	15,530	13,558	15,508	91,094	114,371	121,126
Meningococcal infections	75	71	51	613	634	613
Poliomyelitis, Total	3	4	5	13	36	91
Paralytic	3	3	9	10	31	52
Nonparalytic	-	-	---	3	2	---
Unspecified	-	1	---	-	3	---
Streptococcal Sore Throat and						
Scarlet fever	13,336	11,099	---	116,447	108,881	---
Tetanus	1	2	---	42	37	---
Tularemia	3	4	---	66	47	---
Typhoid fever	6	5	9	69	63	93
Rabies in Animals	94	89	89	816	695	798

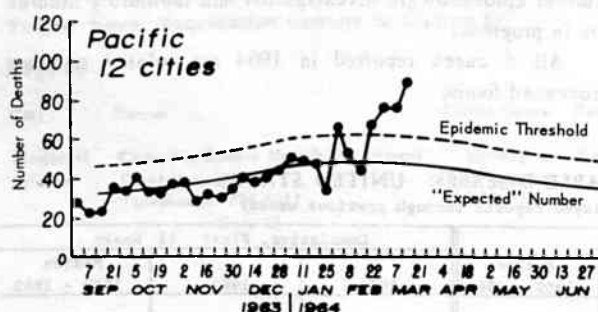
Table 2. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	1	Psittacosis: Calif. - 1	7
Botulism: Wash. - 4	6	Rabies in Man:	-
Leptospirosis:	5	Smallpox:	-
Malaria:	19	Typhus-	
Plague:	-	Murine:	2
		Rky Mt. Spotted:	3

EPIDEMIOLOGICAL REPORTS

INFLUENZA

Pneumonia-influenza deaths in the Pacific geographic division have increased steadily above the epidemic threshold for the past four successive weeks. For the entire United States, however, the number of pneumonia-influenza deaths is within normal range. Reporting cities along the entire Pacific Coast have experienced an increase in pneumonia-influenza deaths as compared with inland Pacific cities. In all other geographic divisions, with the exception of the West South Central States, pneumonia-influenza deaths are at expected levels. The West South Central States have reported increased numbers of pneumonia-influenza deaths during the past 4 weeks, and barely exceeded the threshold during the past week.



Washington

Outbreaks of influenza-like disease continued to be reported from many communities in eastern Washington during the past week. Among the areas most severely involved was Spokane County, on the Idaho border. Increased absenteeism resulted in the closure of 28 schools in the county (exclusive of the city of Spokane) during the week ended March 14. Elevated absence rates rapidly returned toward normal however, and all schools in the county have reopened this week.

Additional serologic data have been obtained during the past week implicating influenza A₂ virus as etiologic agent in the current epidemic. Acute and convalescent sera were obtained from 8 typical cases seen during an earlier outbreak in Thurston County. (See MMWR, Vol. 13, page 45). Serologic studies performed at the Respiratory

Laboratory, CDC, revealed 4-fold or greater titer rises to influenza A₂ antigens in all 8 serum pairs.

(Reported by Ernest A. Ager, M.D., Chief, Division of Epidemiology, State Department of Health, Olympia Washington, and E. O. Ploeger, M.D., Health Officer, Spokane County, Washington.)

Oregon

A total of 3,858 cases of influenza-like disease were reported to State health officials in Portland during the week ended March 14. The epidemic clearly has spread from its original focus in northwestern Oregon to involve many communities in the central and eastern sections of the State.

(Reported by Dr. Grant Skinner, Director, Epidemiology Section, State Board of Health, Portland, Oregon.)

California

Serologic data obtained during the past week have implicated influenza A₂ virus as the etiologic agent in two recent institutional outbreaks in California. The first occurred in mid-February at a probation camp for delinquent boys near Los Angeles. (See MMWR, Vol. 13, page 68.) Paired sera were obtained from 15 typical cases and were submitted to the virus laboratory of the Los Angeles County General Hospital; 13 of the 15 serum pairs demonstrated 4-fold or greater H.I. antibody titer rises to influenza A₂ antigens.

The second outbreak occurred at a 5,000 bed State mental hospital in Napa County, north of San Francisco. Earliest cases were recognized in mid-February among patients on a female geriatric ward. The illness was characterized by fever, reaching 104° F., in some cases, and nonproductive cough. Headache, myalgia, and malaise were not part of the clinical picture. The disease spread fairly rapidly in the ensuing weeks, producing attack rates approaching 100% on some wards. Serologic studies performed at the State laboratories in Berkeley revealed greater than 4-fold titer rises to influenza A₂ antigen in 9 of 15 serum pairs submitted.

(Reported by Philip K. Condit, M.D., Chief, Bureau of Communicable Disease, State Department of Health, Berkeley, California.)

DIPHTHERIA - Kentucky

Two related cases of diphtheria, from which cultures grew both B hemolytic streptococci and *Corynebacterium diphtheriae*, were reported in Louisville in November. Although both patients were treated with antitoxin, one died.

After the other members of his family had experienced an "upper respiratory infection" for a week, an 11-year-old white boy experienced generalized malaise, nausea, vomiting and a temperature elevation to 104°. The following day he complained of a sore throat and choking on swallowing. Two days later, he was admitted to a children's hospital because a physician suspected diphtheria after noting a grey membrane on the boy's posterior pharynx, tonsils, and uvula. An X-ray revealed a retropharyngeal abscess. Erythromycin and 80,000 units of diphtheria antitoxin were given. The culture revealed B hemolytic Group A streptococci; subcultures by the Kentucky State Laboratories demonstrated the presence of *C. diphtheriae*. The patient improved symptomatically except for the persistence of difficulty in swallowing.

Ten days after onset, while still on bed rest in the hospital, he suddenly appeared agitated and pale; X-ray demonstrated an enlarged heart and an electrocardiogram revealed a complete bundle branch block. He died 5 hours

later. Autopsy demonstrated myocarditis, bronchopneumonia and toxic nephrosis. The boy had been inadequately immunized against diphtheria.

On the day of the 11-year-old's death, a 12-year-old white classmate, who lived in the same apartment building, experienced a headache, sore throat and temperature elevation to 102°. The following day, he consulted a physician, who admitted the patient to the same hospital with a clinical diagnosis of diphtheria because of bilateral cervical adenopathy and exudative tonsillitis. Penicillin and antitoxin were given immediately. Both *C. diphtheriae* and B hemolytic streptococci were reportedly isolated from the throat culture. An electrocardiogram on admission was negative. On December 4, a heart murmur was heard; electrocardiogram revealed non-specific S-T changes. One week later, the electrocardiogram tracing was normal. The boy, who recovered, had never been immunized against diphtheria.

The diphtheria cultures were not typed.

Cultures of all members of the families and the classroom revealed no positive cultures for *C. diphtheriae*.

(Reported by J. Clifford Todd, M.P.H., State Epidemiologist, Kentucky Department of Health.)

INFANT DEATHS IN 108 CITIES

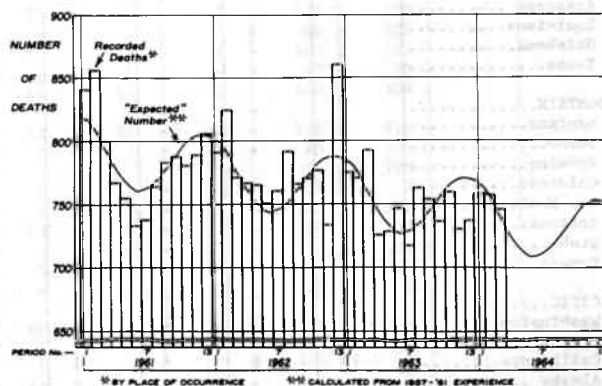
The weekly average number of infant deaths in 108 cities for the four-week period ending March 14 was 746 as compared with an expected 741 weekly average.

TOTAL DEATHS UNDER ONE YEAR OF AGE RECORDED IN 108 CITIES

	Week Ending				4 Week Total	Weekly Average
	2/22	2/29	3/7	3/14		
Observed	759	737	750	736	2,982	746
Expected	747	743	739	735	2,964	741
Excess	12	-6	11	1	18	5

DEATHS UNDER ONE YEAR OF AGE IN 108 U.S. CITIES

Average Number per Week by Four-Week Periods



(See Table, page 91)

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Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

MARCH 14, 1964 AND

MARCH 16, 1963 (11th WEEK)

Area	Aseptic Meningitis		Encephalitis		Poliomyelitis, Total Cases				Poliomyelitis, Paralytic			
			Primary	Post-Inf.					Cumulative		1964	1963
	1964	1963	1964	1964	1964	1963	1964	1963	1964	1963		
UNITED STATES...	27	25	33	10	3	4	13	36	3	3	10	31
NEW ENGLAND.....	-	1	3	-	-	-	-	-	-	-	-	-
Maine.....	-	-	-	-	-	-	-	-	-	-	-	-
New Hampshire.....	-	-	-	-	-	-	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts.....	-	-	1	-	-	-	-	-	-	-	-	-
Rhode Island.....	-	1	2	-	-	-	-	-	-	-	-	-
Connecticut.....	-	-	-	-	-	-	-	-	-	-	-	-
MIDDLE ATLANTIC.....	1	4	9	3	-	-	3	5	-	-	3	5
New York City.....	-	-	2	-	-	-	-	-	-	-	-	-
New York, Up-State.....	-	4	1	2	-	-	2	4	-	-	2	4
New Jersey.....	1	-	1	-	-	-	1	-	-	-	1	-
Pennsylvania.....	-	-	5	1	-	-	-	1	-	-	-	1
EAST NORTH CENTRAL...	5	6	4	6	-	-	1	9	-	-	1	7
Ohio.....	-	-	1	3	-	-	-	2	-	-	-	1
Indiana.....	-	1	-	-	-	-	-	-	-	-	-	-
Illinois.....	2	-	-	3	-	-	1	5	-	-	1	4
Michigan.....	2	5	2	-	-	-	-	2	-	-	-	2
Wisconsin.....	1	-	1	-	-	-	-	-	-	-	-	-
WEST NORTH CENTRAL...	2	1	2	-	-	-	-	1	-	-	-	1
Minnesota.....	2	-	1	-	-	-	-	1	-	-	-	1
Iowa.....	-	-	1	-	-	-	-	-	-	-	-	-
Missouri.....	-	-	-	-	-	-	-	-	-	-	-	-
North Dakota.....	-	1	-	-	-	-	-	-	-	-	-	-
South Dakota.....	-	-	-	-	-	-	-	-	-	-	-	-
Nebraska.....	-	-	-	-	-	-	-	-	-	-	-	-
Kansas.....	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH ATLANTIC.....	1	2	7	-	2	1	8	3	2	-	5	2
Delaware.....	-	-	-	-	-	-	-	-	-	-	-	-
Maryland.....	-	-	-	-	-	-	-	-	-	-	-	-
Dist. of Columbia..	-	-	-	-	-	-	-	-	-	-	-	-
Virginia.....	-	-	2	-	-	-	-	-	-	-	-	-
West Virginia.....	-	1	-	-	-	-	-	-	-	-	-	-
North Carolina.....	-	-	-	-	-	-	3	2	-	-	-	2
South Carolina.....	-	-	-	-	-	-	1	-	-	-	1	-
Georgia.....	-	-	-	-	1	1	1	1	1	-	1	-
Florida.....	1	1	5	-	1	-	3	-	1	-	3	-
EAST SOUTH CENTRAL...	2	2	-	-	-	-	-	2	-	-	-	1
Kentucky.....	1	2	-	-	-	-	-	-	-	-	-	-
Tennessee.....	-	-	-	-	-	-	-	-	-	-	-	-
Alabama.....	-	-	-	-	-	-	-	2	-	-	-	1
Mississippi.....	1	-	-	-	-	-	-	-	-	-	-	-
WEST SOUTH CENTRAL...	2	-	1	-	-	1	-	9	-	1	-	9
Arkansas.....	-	-	-	-	-	-	-	-	-	-	-	-
Louisiana.....	-	-	-	-	-	1	-	8	-	1	-	8
Oklahoma.....	1	-	-	-	-	-	-	-	-	-	-	-
Texas.....	1	-	1	-	-	-	-	1	-	-	-	1
MOUNTAIN.....	1	-	-	-	-	1	-	1	-	1	-	1
Montana.....	-	-	-	-	-	-	-	-	-	-	-	-
Idaho.....	-	-	-	-	-	1	-	1	-	1	-	1
Wyoming.....	1	-	-	-	-	-	-	-	-	-	-	-
Colorado.....	-	-	-	-	-	-	-	-	-	-	-	-
New Mexico.....	-	-	-	-	-	-	-	-	-	-	-	-
Arizona.....	-	-	-	-	-	-	-	-	-	-	-	-
Utah.....	-	-	-	-	-	-	-	-	-	-	-	-
Nevada.....	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	13	9	7	1	1	1	1	6	1	1	1	5
Washington.....	-	1	2	-	-	1	-	1	-	1	-	1
Oregon.....	-	-	-	-	-	-	-	1	-	-	-	1
California.....	13	8	5	1	1	-	1	4	1	-	1	3
Alaska.....	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii.....	-	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico	-	-	-	-	-	-	-	-	-	-	-	-

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Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

MARCH 14, 1964 AND

MARCH 16, 1963 (11th 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...	6	78	3	41	903	451	385	67	10,349	12,052	6	69
NEW ENGLAND.....	-	-	-	1	86	37	46	3	1,215	1,564	1	6
Maine.....	-	-	-	-	28	10	17	1	439	716	-	-
New Hampshire.....	-	-	-	-	5	2	3	-	114	106	-	-
Vermont.....	-	-	-	-	7	4	3	-	140	21	-	-
Massachusetts.....	-	-	-	1	24	13	10	1	230	472	-	3
Rhode Island.....	-	-	-	-	-	-	-	-	47	35	1	3
Connecticut.....	-	-	-	-	22	8	13	1	245	214	-	-
MIDDLE ATLANTIC.....	-	1	-	4	191	87	104	-	2,295	2,314	-	10
New York City.....	-	-	-	1	23	8	15	-	311	260	-	2
New York, Up-State.....	-	-	-	-	73	48	25	-	1,059	1,080	-	3
New Jersey.....	-	-	-	2	46	15	31	-	364	354	-	-
Pennsylvania.....	-	1	-	1	49	16	33	-	561	620	-	5
EAST NORTH CENTRAL...	-	12	-	6	142	88	51	3	1,507	1,927	1	13
Ohio.....	-	-	-	-	32	16	14	2	421	568	-	11
Indiana.....	-	1	-	-	17	14	2	1	128	157	1	1
Illinois.....	-	10	-	6	10	6	4	-	218	408	-	1
Michigan.....	-	-	-	-	67	38	29	-	660	690	-	-
Wisconsin.....	-	1	-	-	16	14	2	-	80	104	-	-
WEST NORTH CENTRAL...	4	44	-	8	53	23	22	8	653	519	2	7
Minnesota.....	2	2	-	1	6	-	5	1	41	98	-	-
Iowa.....	-	20	-	-	14	3	9	2	104	85	-	2
Missouri.....	-	4	-	-	7	4	3	-	154	217	-	1
North Dakota.....	-	1	-	-	1	-	1	-	32	11	-	-
South Dakota.....	1	8	-	-	8	4	4	-	75	15	-	1
Nebraska.....	-	8	-	-	-	-	-	-	16	37	-	-
Kansas.....	1	1	-	7	17	12	-	5	231	56	2	3
SOUTH ATLANTIC.....	-	4	1	9	103	60	40	3	1,001	1,298	-	16
Delaware.....	-	-	-	-	-	-	-	-	14	21	-	-
Maryland.....	-	-	-	-	28	20	8	-	181	124	-	-
Dist. of Columbia.....	-	-	-	-	1	-	1	-	19	47	-	-
Virginia.....	-	2	-	-	13	5	5	3	152	303	-	2
West Virginia.....	-	-	-	-	16	12	4	-	181	185	-	-
North Carolina.....	-	1	-	-	21	16	5	-	193	357	-	9
South Carolina.....	-	-	1	2	4	2	2	-	34	59	-	1
Georgia.....	-	-	-	5	6	2	4	-	20	46	-	-
Florida.....	-	1	-	2	14	3	11	-	207	156	-	4
EAST SOUTH CENTRAL...	1	2	2	3	71	39	28	4	705	1,213	1	9
Kentucky.....	-	-	-	-	31	19	8	4	326	376	-	4
Tennessee.....	-	-	-	1	18	11	7	-	235	464	1	4
Alabama.....	-	1	2	2	9	3	6	-	95	183	-	1
Mississippi.....	1	1	-	-	13	6	7	-	49	190	-	-
WEST SOUTH CENTRAL...	1	4	-	5	62	35	24	3	712	790	1	4
Arkansas.....	-	1	-	-	5	4	1	-	89	107	-	1
Louisiana.....	-	1	-	2	25	15	9	1	140	126	-	-
Oklahoma.....	-	1	-	-	3	1	2	-	43	49	1	3
Texas.....	1	1	-	3	29	15	12	2	440	508	-	-
MOUNTAIN.....	-	7	-	-	74	22	10	42	716	917	-	-
Montana.....	-	-	-	-	4	2	1	1	63	141	-	-
Idaho.....	-	-	-	-	5	-	-	5	55	140	-	-
Wyoming.....	-	-	-	-	3	1	1	1	29	9	-	-
Colorado.....	-	-	-	-	20	6	3	11	201	192	-	-
New Mexico.....	-	1	-	-	15	10	4	1	124	113	-	-
Arizona.....	-	1	-	-	21	-	-	21	151	205	-	-
Utah.....	-	5	-	-	4	3	1	-	70	108	-	-
Nevada.....	-	-	-	-	2	-	-	2	23	9	-	-
PACIFIC.....	-	4	-	5	121	60	60	1	1,545	1,510	-	4
Washington.....	-	-	-	5	11	5	6	-	165	263	-	-
Oregon.....	-	-	-	-	10	6	3	1	170	228	-	-
California.....	-	4	-	-	96	46	50	-	1,116	973	-	4
Alaska.....	-	-	-	-	4	3	1	-	55	38	-	-
Hawaii.....	-	-	-	-	-	-	-	-	39	8	-	-
Puerto Rico	-	-	-	1	22	17	5	-	116	124	-	5

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Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

MARCH 14, 1964 AND

MARCH 16, 1963 (11th WEEK) - Continued

Area	Measles	Meningococcal Meningitis			Streptococcal Sore Throat and Scarlet Fever		Tetanus		Tularemia		Rabies in Animals	
		1964	Cumulative		1964	1963	1964	Cum. 1964	1964	Cum. 1964	1964	Cum. 1964
			1964	1963								
UNITED STATES...	15,530	75	613	634	13,336	11,099	1	42	3	66	94	816
NEW ENGLAND.....	467	3	18	46	1,712	1,333	-	-	-	-	-	1
Maine.....	73	-	1	9	373	111	-	-	-	-	-	-
New Hampshire.....	4	-	-	1	14	5	-	-	-	-	-	1
Vermont.....	61	-	-	1	16	8	-	-	-	-	-	-
Massachusetts.....	152	1	8	18	296	232	-	-	-	-	-	-
Rhode Island.....	39	-	2	6	113	105	-	-	-	-	-	-
Connecticut.....	138	2	7	11	900	872	-	-	-	-	-	-
MIDDLE ATLANTIC.....	2,178	3	63	83	695	733	-	-	-	-	-	19
New York City.....	665	-	9	10	43	70	-	-	-	-	-	-
New York, Up-State.....	512	1	21	28	358	367	-	-	-	-	-	18
New Jersey.....	568	-	14	12	130	139	-	-	-	-	-	-
Pennsylvania.....	433	2	19	33	164	157	-	-	-	-	-	1
EAST NORTH CENTRAL...	4,527	10	102	106	2,051	1,405	-	4	-	7	8	80
Ohio.....	1,144	4	33	27	540	255	-	1	-	1	-	39
Indiana.....	1,002	1	13	15	115	207	-	-	-	-	-	6
Illinois.....	813	2	22	15	264	235	-	2	-	4	4	11
Michigan.....	890	2	28	34	715	416	-	1	-	1	-	9
Wisconsin.....	678	1	6	15	417	292	-	-	-	1	4	15
WEST NORTH CENTRAL...	684	2	26	35	410	293	-	2	2	21	28	251
Minnesota.....	7	2	7	7	34	47	-	-	-	1	12	76
Iowa.....	360	-	2	-	180	109	-	-	-	1	9	81
Missouri.....	22	-	9	17	2	8	-	2	2	13	5	50
North Dakota.....	220	-	3	1	99	120	-	-	-	-	-	15
South Dakota.....	-	-	-	2	17	2	-	-	-	-	1	16
Nebraska.....	75	-	1	8	4	-	-	-	-	-	-	8
Kansas.....	NN	-	4	-	74	7	-	-	-	6	1	5
SOUTH ATLANTIC.....	1,612	21	145	138	1,354	951	-	17	-	10	20	150
Delaware.....	8	-	2	1	-	25	-	-	-	-	-	-
Maryland.....	149	-	12	22	129	58	-	1	-	-	-	-
Dist. of Columbia..	36	1	3	3	7	-	-	-	-	-	-	-
Virginia.....	512	1	12	35	444	312	-	1	-	3	13	109
West Virginia.....	426	2	13	9	462	234	-	-	-	-	1	7
North Carolina.....	89	11	26	21	62	91	-	7	-	1	-	2
South Carolina.....	130	1	15	10	54	25	-	2	-	-	-	-
Georgia.....	5	4	14	7	14	-	-	-	-	6	3	15
Florida.....	257	1	48	30	182	206	-	6	-	-	3	17
EAST SOUTH CENTRAL...	2,540	6	48	49	2,433	2,105	-	5	-	15	18	138
Kentucky.....	763	1	8	16	717	207	-	-	-	1	1	19
Tennessee.....	1,110	2	24	22	1,613	1,564	-	2	-	10	17	116
Alabama.....	60	2	9	7	19	77	-	3	-	3	-	3
Mississippi.....	607	1	7	4	84	257	-	-	-	1	-	-
WEST SOUTH CENTRAL...	168	9	49	67	952	958	1	7	-	10	17	123
Arkansas.....	48	-	4	5	27	4	-	1	-	1	4	35
Louisiana.....	2	9	42	22	9	9	-	3	-	-	1	11
Oklahoma.....	118	-	3	15	92	32	-	-	-	9	-	10
Texas.....	-	-	-	25	824	913	1	3	-	-	12	67
MOUNTAIN.....	765	3	29	20	1,770	1,780	-	2	1	3	1	28
Montana.....	101	-	-	-	113	38	-	-	-	1	-	-
Idaho.....	111	-	1	-	200	142	-	-	-	-	-	-
Wyoming.....	-	-	1	1	33	128	-	1	-	1	-	-
Colorado.....	86	1	7	3	560	720	-	-	-	-	-	-
New Mexico.....	11	2	13	2	401	297	-	1	-	-	1	17
Arizona.....	301	-	2	4	187	286	-	-	-	-	-	11
Utah.....	33	-	1	9	276	163	-	-	1	1	-	-
Nevada.....	122	-	4	1	-	6	-	-	-	-	-	-
PACIFIC.....	2,589	18	133	90	1,959	1,541	-	5	-	-	2	26
Washington.....	975	2	13	9	636	460	-	-	-	-	-	-
Oregon.....	222	1	5	4	53	27	-	-	-	-	-	-
California.....	1,358	15	110	73	1,134	835	-	5	-	-	2	26
Alaska.....	24	-	2	4	43	104	-	-	-	-	-	-
Hawaii.....	10	-	3	-	93	115	-	-	-	-	-	-
Puerto Rico	385	3	7	-	24	2	4	14	-	-	1	2

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Table 4 (C). TOTAL DEATHS UNDER 1 YEAR OF AGE IN REPORTING CITIES

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

Area	For weeks ending				Area	For weeks ending			
	2/22	2/29	3/7	3/14		2/22	2/29	3/7	3/14
NEW ENGLAND:					SOUTH ATLANTIC:				
Boston, Mass.....	15	13	14	15	Atlanta, Ga.....	8	15	8	19
Bridgeport, Conn.....	2	4	3	3	Baltimore, Md.....	24	17	21	13
Cambridge, Mass.....	-	-	-	1	Charlotte, N.C.....	4	1	5	4
Fall River, Mass.....	3	-	1	1	Jacksonville, Fla.....	4	2	6	2
Hartford, Conn.....	2	2	5	5	Miami, Fla.....	3	7	5	1
Lowell, Mass.....	-	2	2	2	Norfolk, Va.....	2	4	8	7
Lynn, Mass.....	-	-	1	3	Richmond, Va.....	11	9	6	8
New Bedford, Mass.....	-	2	3	1	Savannah, Ga.....	-	6	9	-
New Haven, Conn.....	2	2	3	1	St. Petersburg, Fla.....	3	-	1	2
Providence, R.I.....	5	4	7	2	Tampa, Fla.....	6	7	1	1
Somerville, Mass.....	-	-	1	-	Washington, D.C.....	18	21	25	4
Springfield, Mass.....	1	7	1	4	Wilmington, Del.....	3	2	-	5
Waterbury, Conn.....	1	-	1	1					
Worcester, Mass.....	2	4	-	3	EAST SOUTH CENTRAL:				
MIDDLE ATLANTIC:					Birmingham, Ala.....	4	7	4	6
Albany, N.Y.....	2	3	2	2	Chattanooga, Tenn.....	4	2	6	4
Allentown, Pa.....	2	-	-	-	Knoxville, Tenn.....	3	2	2	3
Buffalo, N.Y.....	8	8	6	9	Louisville, Ky.....	15	8	6	5
Camden, N.J.....	5	-	2	2	Memphis, Tenn.....	13	11	15	8
Elizabeth, N.J.....	1	2	-	2	Mobile, Ala.....	5	2	4	1
Erie, Pa.....	2	3	1	1	Montgomery, Ala.....	2	4	1	3
Jersey City, N.J.....	6	3	4	4	Nashville, Tenn.....	4	3	4	6
Newark, N.J.....	5	3	4	4					
New York City, N.Y.....	93	106	85	91	WEST SOUTH CENTRAL:				
Paterson, N.J.....	4	1	2	2	Austin, Tex.....	2	1	4	1
Philadelphia, Pa.....	21	35	22	38	Baton Rouge, La.....	3	2	-	2
Pittsburgh, Pa.....	14	8	13	8	Corpus Christi, Tex.....	1	3	6	1
Reading, Pa.....	1	-	2	1	Dallas, Tex.....	9	14	9	7
Rochester, N.Y.....	5	8	6	10	El Paso, Tex.....	5	1	7	6
Schenectady, N.Y.....	-	-	-	-	Fort Worth, Tex.....	6	9	2	11
Scranton, Pa.....	1	1	3	1	Houston, Tex.....	17	21	10	8
Syracuse, N.Y.....	3	3	6	1	Little Rock, Ark.....	3	6	1	4
Trenton, N.J.....	2	2	3	2	New Orleans, La.....	16	14	17	11
Utica, N.Y.....	2	-	1	2	Oklahoma City, Okla.....	6	4	7	9
Yonkers, N.Y.....	1	-	2	3	San Antonio, Tex.....	4	8	5	7
					Shreveport, La.....	4	2	3	3
					Tulsa, Okla.....	6	7	3	2
EAST NORTH CENTRAL:					MOUNTAIN:				
Akron, Ohio.....	3	3	2	6	Albuquerque, N. Mex.....	2	1	6	3
Canton, Ohio.....	1	1	3	-	Colorado Springs, Colo...	2	1	2	2
Chicago, Ill.....	46	61	57	48*	Denver, Colo.....	7	6	11	8
Cincinnati, Ohio.....	10	6	11	11	Ogden, Utah.....	2	-	2	2
Cleveland, Ohio.....	11	6	22	20	Phoenix, Ariz.....	8	5	4	8
Columbus, Ohio.....	12	8	6	4	Pueblo, Colo.....	2	1	1	-
Dayton, Ohio.....	6	3	8	7	Salt Lake City, Utah.....	3	1	7	8
Detroit, Mich.....	28	9	27	20	Tucson, Ariz.....	5	4	3	1
Evansville, Ind.....	2	7	1	4					
Flint, Mich.....	5	3	8	7	PACIFIC:				
Fort Wayne, Ind.....	-	1	1	3	Berkeley, Calif.....	1	-	-	2
Gary, Ind.....	2	3	1	3*	Fresno, Calif.....	3	5	2	-
Grand Rapids, Mich.....	3	2	4	5	Glendale, Calif.....	1	-	-	2
Indianapolis, Ind.....	11	8	8	11	Honolulu, Hawaii.....	2	2	6	1
Madison, Wis.....	6	4	2	2	Long Beach, Calif.....	5	5	5	4
Milwaukee, Wis.....	10	16	7	13	Los Angeles, Calif.....	44	46	29	33
Peoria, Ill.....	4	-	1	2	Oakland, Calif.....	9	3	-	9
Rockford, Ill.....	1	4	4	3	Pasadena, Calif.....	-	1	2	2
South Bend, Ind.....	6	2	2	1	Portland, Oreg.....	4	6	10	11
Toledo, Ohio.....	4	4	6	3	Sacramento, Calif.....	4	7	5	2
Youngstown, Ohio.....	2	2	4	2	San Diego, Calif.....	5	5	11	14
					San Francisco, Calif.....	8	7	7	9
WEST NORTH CENTRAL:					San Jose, Calif.....	3	-	2	5
Des Moines, Iowa.....	4	7	1	4	Seattle, Wash.....	6	5	7	7
Duluth, Minn.....	1	-	3	1	Spokane, Wash.....	2	3	2	4
Kansas City, Kans.....	4	7	6	5	Tacoma, Wash.....	2	2	3	1
Kansas City, Mo.....	8	3	10	3					
Lincoln, Nebr.....	-	2	2	2	San Juan, P.R.....	1	2	4	(---)
Minneapolis, Minn.....	6	4	7	3					
Omaha, Nebr.....	9	3	3	9					
St. Louis, Mo.....	15	15	21	15					
St. Paul, Minn.....	7	4	4	3					
Wichita, Kans.....	2	4	4	3					

^c Current Week Mortality for 108 Selected Cities

4(A) Total Mortality, all ages.....	12,041
4(B) Pneumonia-Influenza Deaths, all ages.....	575
4(C) Total Deaths under 1 Year of Age.....	736
4(D) Total Deaths, Persons 65 years and over.....	6,844

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

NOTE: All deaths by place of occurrence.

INTERNATIONAL NOTES – QUARANTINE MEASURES

PLAGUE – Tanganyika

A total of 455 cases of plague were reported in February in the District of Pare (Tanga Province). All but one of the cases were bubonic; the one pneumonic case was fatal. The outbreak was confirmed by laboratory studies.

The first alleged cases occurred in October 1963; none was confirmed. Thereafter, a rat die-off was observed.

A sudden increase in human morbidity began in late January. Preventive measures, consisting of a quarantine of the affected area, establishment of emergency treatment centers, mass human prophylaxis with sulphonamides, and insecticide dusting of every house, have been taken. (Reported in *Weekly Epidemiological Record*, World Health Organization, March 13).

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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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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