

Morbidity and Mortality Weekly Report

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
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PROVISIONAL INFORMATION ON SELECTED NOTIFIABLE DISEASES IN THE UNITED STATES AND ON DEATHS IN SELECTED CITIES FOR WEEK ENDED AUGUST 8, 1964

DIPHTHERIA

No cases of diphtheria were reported for the week ended August 8. This is the third week this year for which no cases of diphtheria were reported. Thus, the cumulative total for 1964 remains at 160 cases. For the comparable period of 1963, 152 cases were reported. The cumulative cases through the 32nd week and the annual totals for the past 5 years are shown in the accompanying table.

The New England region has reported 43 cases (27 percent of the national total); of these, 39 cases were associated with an outbreak in adults at a State hospital in Maine.

Maine's total is the largest of any State. Texas has reported 21 cases, Georgia 20 cases, thus making theirs the second and third largest State totals.

To date, cases have been reported from 24 States and New York City.

DIPHTHERIA - United States Cumulative Cases through 32nd Week

1964	1963	1962	1961	1960
160	152	240	339	378
Annual Totals				
298*		444	617	918

*Provisional total

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

Disease	32nd Week Ended		Median 1959 - 1963	Cumulative, First 32 Weeks		
	August 8, 1964	August 10, 1963		1964	1963	Median 1959 - 1963
Aseptic meningitis	27	60	---	996	916	---
Brucellosis	15	10	10	256	226	378
Diphtheria	-	1	6	160	152	340
Encephalitis, primary infectious ..	49	23	---	1,202	966	---
Encephalitis, post-infectious	15		---	642		---
Hepatitis, infectious including serum hepatitis	586	808	734	24,809	27,608	27,610
Measles	1,412	1,568	1,660	430,840	354,163	382,274
Meningococcal infections	37	22	29	1,771	1,640	1,534
Poliomyelitis, Total	3	13	51	65	159	413
Paralytic	3	11	35	53	132	278
Nonparalytic	-	-	---	8	16	---
Unspecified	-	2	---	4	11	---
Streptococcal Sore Throat and Scarlet fever	3,855	3,439	---	275,259	236,160	---
Tetanus	7	7	---	158	152	---
Tularemia	9	5	---	207	175	---
Typhoid fever	9	16	18	251	268	421
Rabies in Animals	62	49	60	2,883	2,428	2,427

Table 2. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	2	Psittacosis: N.C.-1	24
Botulism: Ala-1	11	Rabies in Man:	-
Leptospirosis:	24	Smallpox:	-
Malaria:	51	Typhus-	
Plague:	-	Murine: Ark-1	16
		Rky Mt. Spotted: Md.-1, N.J.-1, Pa.-2, N.C.-4, Ala.-1	131

Va.-2, Ill.-1

EPIDEMIOLOGICAL REPORTS

MILKER'S NODULES - Tennessee

On April 15 a 37 year old, white farmer received 8 superficial abrasions on 2 fingers of his right hand while he attempted to introduce 2 sulfa tablets into the mouth of an 8-month-old calf. Only one of the lesions bled. The patient immediately washed his hand under a faucet in the barn and then milked one of his 2 cows. On returning to the house 30 minutes later, he washed the hand again with soap and water. The abrasions crusted over and healed completely within 5 days.

On April 23, the patient noticed a small, red papule appearing in the area of each bite on the index and ring fingers. These uniformly progressed to pea-sized "warts" which became semi-fluid in consistency within 3-4 days; the patient treated himself with merthiolate. On April 28, (13 days after the bite) he noticed a bluish coloration over the surface of each of the non-tender nodules. There was no swelling, erythema, or drainage; systemic symptoms were absent. The fingers became so pruritic that he found it difficult to resist excoriating the lesions.

Because of the persistence of the nodules and the pruritus the patient consulted a physician on April 29. The physician noted that the lesions were all in the same stage and he confirmed the above description. There was no cellulitis or lymphangitis, although the epitrochlear and axillary lymph nodes were moderately enlarged and tender. The patient was treated with 600,000 units of penicillin intramuscularly. On return visit, April 30, the physician incised one of the nodules which contained a small amount of thick, clear fluid. A gram stain revealed a number of single gram positive rods with rounded, blunt ends; anthrax was considered a differential diagnosis. The patient was admitted to a local hospital where a physical examination was unremarkable, with the exception of the lesions on his hand; he was afebrile, his hematocrit was 49 percent, his white blood cell count was 7,000 with a normal differential. Urinalysis was negative. The patient was treated with penicillin and broad spectrum antibiotics.

By May 6, the lesions were approximately 8-10 mm in diameter, and those which had been surgically opened had a red, granulating base with sharp demarcation from the surrounding normal skin. One lesion remained umbilicated with a dull, red center and smooth, rolled edges. It contained no fluid. Sensation was intact in and around the lesions and there was no tenderness. Epitrochlear or axillary nodes were not enlarged. The patient was discharged May 10; the lesions healed completely by May 20.

One of the cultures taken of the incised nodule yielded *Bacillus circulans*; this was believed to be a laboratory contaminant. Scrapings for fungi were negative; virus studies were not performed.

The diagnosis of Milker's nodules was made clinically. Tennessee health officials believe the patient began to experience the symptoms of milker's nodules 8 days after the bite as a result of direct inoculation of virus in the calf's saliva. This type of transmission has been noted previously.¹

The calf which bit the patient was one of 20 purchased on April 10. This calf and 8 others were transported by open truck 70 miles to his farm that day; the remaining 11 calves were transported the following day. On April 12 the suspect calf appeared listless, ate poorly, and was believed to have "shipping fever." The calf was treated with 10 million units of penicillin, 5 grams of streptomycin, and 4 240-gram sulfa capsules for 2 days without benefit of improvement. On April 15, the patient was bitten while trying to administer 2 of these sulfa capsules. Despite additional treatment, the calf expired on April 17. During its terminal course, the calf appeared lethargic, anorectic and experienced diarrhea and respiratory difficulty. The animal was dumped into a secluded, wooded area on the farm; samples of the carcass were negative for *Bacillus anthracis*.

No lesions were noted in the oral mucosa of the suspect calf or other animals purchased at the same time. No lesions were present on the teats or udder of the patient's one milk cow prior to the biting; none developed thereafter despite the fact that the patient continued to milk his cow when his lesions were active.

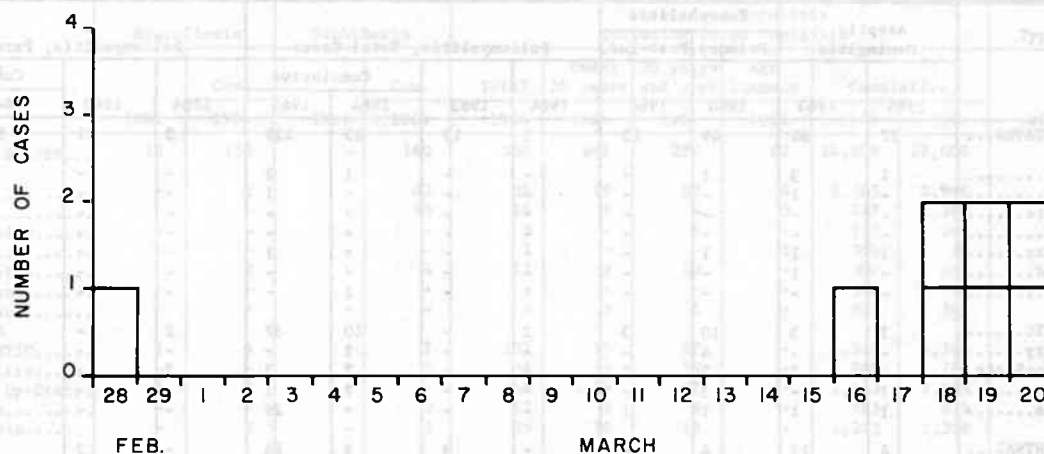
(Reported by Cecil B. Tucker, M.D., Director, Division of Preventable Diseases, Tennessee Department of Public Health, and an EIS Officer.)

Editor's Note: Milker's nodules (pseudocowpox or paravaccinia) is caused by a virus^{2,3}, recently isolated, which belongs to the pox group, and which is immunologically distinct from cowpox, vaccinia and variola.

References:

1. Garrison, S.C., and Adams, C.E.: Milker's Nodules, J. Tenn. Med. Assn., 46:420, 1953.
2. Friedman-Kien, A.E., Rowe, W.P., and Banfield, W.G.: Milker's Nodules: Isolation of a poxvirus from a human case, Science 140:1335, 1963.
3. Moscovia, C., Cohen, E.P., Sanders, J., and DeLong, S.S.: Isolation of a viral agent from pseudocowpox disease, Science 141:915, 1963.

CAT RABIES - TUCSON, ARIZONA 1964



FELINE RABIES - Arizona

Eight cases of cat rabies were reported in Tucson from February 28 to March 20 (See epidemic curve above); 7 occurred within a 4-day period, beginning 17 days after the first case. Most of the cats were strays. Five of the cases occurred in one neighborhood, the remainder in nearby areas. Approximately 6,000 cats were given phenolized rabies vaccine (1,200 in 8 hours in a public clinic) since this outbreak began.

No cases of dog rabies developed. A total of 10 humans were exposed to rabid cats. All received anti-rabies treatment. No human cases developed.

No source for the cat epidemic could be found. Since the recognition of the cat epidemic, the disease has been confirmed in 3 coyotes, one bobcat, and one bat. Because of the existence of rabies in wild animals, officials speculate that the feline outbreak may have started when a rabid wild animal attacked a cat.

(Reported by Philip M. Hotchkiss, DVM, MPH, Acting Director, Division of Acute Communicable Disease Control, Arizona State Department of Health.)

Editor's Note: This is an unusual outbreak because cat rabies is usually secondary to outbreaks in other hosts.

TUBERCULOSIS

Reported new active tuberculosis cases and tuberculosis deaths by size of community during 1962 are presented in the tables below. The highest attack rates in both categories occurred in cities with greater than one-half million population. This pattern probably reflects the factor of crowded living conditions in the spread of this disease.

TUBERCULOSIS DEATHS BY SIZE OF COMMUNITY, 1962

AREA*	Tuberculosis Deaths		
	Number	Rate Per 100,000 Population	Percent
Cities with 500,000 or more population	2,673	9.3	28.1
Cities with 250,000 to 500,000 population	751	6.8	7.9
Cities with 100,000 to 250,000 population	665	5.4	7.0
Other areas exclusive of large cities	5,417	4.1	57.0
United States	9,506	5.1	100.0

NEW ACTIVE TUBERCULOSIS CASES BY SIZE OF COMMUNITY, 1962

AREA*	New Active Cases		
	Number	Rate Per 100,000 Population	Percent
Cities with 500,000 or more population	16,326	56.0	30.6
Cities with 250,000 to 500,000 population	4,430	36.9	8.3
Cities with 100,000 to 250,000 population	4,040	30.6	7.6
Other areas exclusive of large cities**	28,519	21.7	53.5
United States	53,315	28.7	100.0

*Size of cities at time of 1960 census. Includes county data where information was not available separately for principal city.

**Includes 672 counties with no new cases reported in 1962.

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
 FOR WEEKS ENDED
 AUGUST 8, 1964 AND AUGUST 10, 1963 (32ND 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...	27	60	49	15	3	13	65	159	3	11	53	132
NEW ENGLAND.....	1	3	1	-	-	-	1	2	-	-	1	2
Maine.....	-	1	-	-	-	-	-	1	-	-	-	1
New Hampshire.....	-	-	-	-	-	-	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts.....	1	1	1	-	-	-	-	1	-	-	-	1
Rhode Island.....	-	1	-	-	-	-	-	-	-	-	-	-
Connecticut.....	-	-	-	-	-	-	1	-	-	-	1	-
MIDDLE ATLANTIC.....	2	3	10	3	2	-	10	37	2	-	10	27
New York City.....	-	-	4	-	-	-	1	-	-	-	1	-
New York, Up-State.....	-	2	2	2	2	-	7	7	2	-	7	5
New Jersey.....	1	-	3	-	-	-	2	1	-	-	2	1
Pennsylvania.....	1	1	1	1	-	-	-	29	-	-	-	21
EAST NORTH CENTRAL...	4	12	4	-	-	3	9	24	-	2	7	16
Ohio.....	-	-	2	-	-	-	2	7	-	-	2	3
Indiana.....	-	4	-	-	-	-	1	2	-	-	-	1
Illinois.....	1	5	-	-	-	2	4	9	-	2	4	8
Michigan.....	3	3	2	-	-	-	1	3	-	-	-	3
Wisconsin.....	-	-	-	-	-	1	1	3	-	-	1	1
WEST NORTH CENTRAL...	3	1	3	-	-	-	3	5	-	-	2	4
Minnesota.....	2	1	1	-	-	-	-	3	-	-	-	3
Iowa.....	-	-	-	-	-	-	-	-	-	-	-	-
Missouri.....	-	-	-	-	-	-	2	-	-	-	1	-
North Dakota.....	-	-	1	-	-	-	-	1	-	-	-	-
South Dakota.....	-	-	-	-	-	-	-	-	-	-	-	-
Nebraska.....	-	-	-	-	-	-	-	1	-	-	-	1
Kansas.....	1	-	1	-	-	-	1	-	-	-	1	-
SOUTH ATLANTIC.....	1	10	9	-	-	3	22	23	-	3	17	20
Delaware.....	-	1	-	-	-	-	-	-	-	-	-	-
Maryland.....	-	-	-	-	-	-	1	-	-	-	1	-
Dist. of Columbia..	-	-	-	-	-	-	-	-	-	-	-	-
Virginia.....	-	2	-	-	-	-	-	2	-	-	-	1
West Virginia.....	-	-	-	-	-	-	1	2	-	-	1	2
North Carolina.....	-	-	-	-	-	-	9	3	-	-	5	3
South Carolina.....	-	-	-	-	-	2	2	5	-	2	2	4
Georgia.....	-	-	-	-	-	1	1	5	-	1	1	4
Florida.....	1	7	9	-	-	-	8	6	-	-	7	6
EAST SOUTH CENTRAL...	1	5	15	-	1	5	5	29	1	5	4	27
Kentucky.....	-	3	15	-	-	-	-	-	-	-	-	-
Tennessee.....	-	-	-	-	1	-	3	4	1	-	2	4
Alabama.....	1	2	-	-	-	5	2	23	-	5	2	21
Mississippi.....	-	-	-	-	-	-	-	2	-	-	-	2
WEST SOUTH CENTRAL...	1	12	1	-	-	1	6	20	-	1	6	20
Arkansas.....	-	2	-	-	-	1	-	3	-	1	-	3
Louisiana.....	-	-	-	-	-	-	-	13	-	-	-	13
Oklahoma.....	-	-	-	-	-	-	2	-	-	-	2	-
Texas.....	1	10	1	-	-	-	4	4	-	-	4	4
MOUNTAIN.....	1	2	-	-	-	1	6	2	-	-	3	1
Montana.....	-	-	-	-	-	-	-	-	-	-	-	-
Idaho.....	-	-	-	-	-	-	-	1	-	-	-	1
Wyoming.....	-	-	-	-	-	-	2	-	-	-	2	-
Colorado.....	1	1	-	-	-	-	1	-	-	-	1	-
New Mexico.....	-	-	-	-	-	1	3	1	-	-	-	-
Arizona.....	-	-	-	-	-	-	-	-	-	-	-	-
Utah.....	-	1	-	-	-	-	-	-	-	-	-	-
Nevada.....	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	13	12	6	12	-	-	3	17	-	-	3	15
Washington.....	2	1	-	2	-	-	-	1	-	-	-	1
Oregon.....	-	-	-	-	-	-	1	2	-	-	1	1
California.....	11	11	6	10	-	-	2	14	-	-	2	13
Alaska.....	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii.....	-	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico	-	-	-	-	-	-	-	4	-	-	-	4

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Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
AUGUST 8, 1964 AND AUGUST 10, 1963 (32ND 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...	1,412	37	1,771	1,640	3,855	3,439	7	158	9	207	62	2,883
NEW ENGLAND.....	152	-	49	103	281	247	1	8	-	1	-	28
Maine.....	40	-	5	17	50	63	-	-	-	-	-	24
New Hampshire.....	4	-	1	4	-	7	-	-	-	-	-	1
Vermont.....	9	-	1	3	3	2	-	-	-	-	-	2
Massachusetts.....	80	-	20	50	7	30	1	8	-	1	-	1
Rhode Island.....	3	-	7	9	12	19	-	-	-	-	-	-
Connecticut.....	16	-	15	20	209	126	-	-	-	-	-	-
MIDDLE ATLANTIC.....	149	8	232	228	99	83	-	15	-	-	3	84
New York City.....	56	-	32	35	8	2	-	-	-	-	-	-
New York, Up-State..	66	2	67	72	79	66	-	5	-	-	3	80
New Jersey.....	20	4	80	32	9	9	-	5	-	-	-	-
Pennsylvania.....	7	2	53	89	3	6	-	5	-	-	-	4
EAST NORTH CENTRAL...	271	8	253	255	401	195	3	30	-	16	11	403
Ohio.....	51	4	68	73	27	15	-	8	-	1	7	215
Indiana.....	57	1	39	31	93	50	2	5	-	2	-	19
Illinois.....	65	1	63	45	63	46	1	10	-	10	3	81
Michigan.....	49	2	56	79	138	55	-	6	-	1	1	40
Wisconsin.....	49	-	27	27	80	29	-	1	-	2	-	48
WEST NORTH CENTRAL...	89	2	114	100	143	124	-	9	2	44	27	935
Minnesota.....	-	-	26	21	3	9	-	1	-	2	13	284
Iowa.....	71	-	6	5	35	29	-	3	-	1	9	337
Missouri.....	1	-	53	33	-	-	-	3	-	22	1	145
North Dakota.....	13	2	15	5	105	79	-	-	-	-	-	48
South Dakota.....	4	-	-	5	-	6	-	1	2	11	1	73
Nebraska.....	-	-	6	21	-	-	-	-	-	-	2	26
Kansas.....	NN	-	8	10	-	1	-	1	-	8	1	22
SOUTH ATLANTIC.....	93	4	380	310	419	421	2	47	-	20	9	387
Delaware.....	-	-	6	2	3	-	-	-	-	-	-	-
Maryland.....	5	-	25	48	30	9	-	3	-	-	-	-
Dist. of Columbia..	-	-	12	6	2	-	-	-	-	-	-	-
Virginia.....	20	2	45	72	176	62	-	5	-	4	4	209
West Virginia.....	19	1	27	16	81	112	-	1	-	-	-	24
North Carolina.....	-	-	65	52	5	3	1	13	-	4	-	5
South Carolina.....	5	-	49	15	37	33	-	4	-	-	1	2
Georgia.....	4	1	53	23	8	2	-	3	-	11	4	82
Florida.....	40	-	98	76	77	200	1	18	-	-	-	65
EAST SOUTH CENTRAL...	102	1	155	123	742	657	-	15	3	25	2	347
Kentucky.....	11	-	51	27	31	46	-	2	-	1	-	47
Tennessee.....	85	1	52	53	591	567	-	8	2	17	2	285
Alabama.....	6	-	34	21	85	7	-	4	-	3	-	15
Mississippi.....	-	-	18	22	35	37	-	1	1	4	-	-
WEST SOUTH CENTRAL...	146	5	161	159	421	474	1	16	2	71	6	406
Arkansas.....	-	-	19	11	-	-	-	5	1	38	2	101
Louisiana.....	1	2	107	65	-	4	-	3	-	3	-	32
Oklahoma.....	2	-	7	29	2	19	-	-	1	19	1	70
Texas.....	143	3	28	54	419	451	1	8	-	11	3	203
MOUNTAIN.....	178	1	65	55	803	797	-	4	2	30	2	103
Montana.....	44	-	-	3	26	33	-	-	2	18	-	-
Idaho.....	23	-	3	4	39	27	-	-	-	-	-	-
Wyoming.....	3	-	5	4	1	7	-	1	-	4	-	-
Colorado.....	14	-	11	14	288	303	-	-	-	-	-	8
New Mexico.....	13	-	26	4	267	211	-	1	-	-	-	47
Arizona.....	52	-	5	9	112	41	-	1	-	-	1	45
Utah.....	23	1	7	14	66	119	-	1	-	8	1	1
Nevada.....	6	-	8	3	4	56	-	-	-	-	-	2
PACIFIC.....	232	8	362	307	546	441	-	14	-	-	2	190
Washington.....	9	1	27	25	49	51	-	1	-	-	-	-
Oregon.....	65	1	21	22	16	4	-	-	-	-	-	6
California.....	142	6	295	241	430	320	-	12	-	-	2	184
Alaska.....	2	-	7	11	7	20	-	-	-	-	-	-
Hawaii.....	14	-	12	8	44	46	-	1	-	-	-	-
Puerto Rico	85	-	28	6	9	17	-	48	-	-	-	15

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Table 4 (D). TOTAL DEATHS AMONG PERSONS 65 YEARS AND OVER 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			
	7/18	7/25	8/1	8/8		7/18	7/25	8/1	8/8
NEW ENGLAND:					SOUTH ATLANTIC:				
Boston, Mass.....	101	129	139	103	Atlanta, Ga.....	47	41	49	38
Bridgeport, Conn.....	34	20	29	21	Baltimore, Md.....	127	134	115	126
Cambridge, Mass.....	23	13	20	14	Charlotte, N.C.....	9	11	12	19
Fall River, Mass.....	15	16	17	13	Jacksonville, Fla.....	22	33	20	31
Hartford, Conn.....	35	27	32	23	Miami, Fla.....	50	34	44	47
Lowell, Mass.....	9	20	14	13	Norfolk, Va.....	13	21	28	33
Lynn, Mass.....	19	18	19	12	Richmond, Va.....	31	35	25	34
New Bedford, Mass.....	15	14	11	13	Savannah, Ga.....	21	17	10	14
New Haven, Conn.....	22	25	20	23	St. Petersburg, Fla.....	62	49	43	56
Providence, R.I.....	40	33	41	36	Tampa, Fla.....	30	40	27	41
Somerville, Mass.....	7	13	9	5	Washington, D.C.....	83	89	83	95
Springfield, Mass.....	23	26	23	16	Wilmington, Del.....	29	21	19	14
Waterbury, Conn.....	16	14	13	28					
Worcester, Mass.....	39	53	31	22	EAST SOUTH CENTRAL:				
MIDDLE ATLANTIC:					Birmingham, Ala.....	50	35	41	55
Albany, N.Y.....	28	26	25	23	Chattanooga, Tenn.....	24	28	14	17
Allentown, Pa.....	23	27	18	17	Knoxville, Tenn.....	16	20	22	18
Buffalo, N.Y.....	67	68	83	61	Louisville, Ky.....	60	72	72	75
Camden, N.J.....	21	27	17	19	Memphis, Tenn.....	66	58	69	59
Elizabeth, N.J.....	19	20	19	22	Mobile, Ala.....	24	12	17	23
Erie, Pa.....	29	34	19	19	Montgomery, Ala.....	19	17	14	12
Jersey City, N.J.....	34	29	35	44	Nashville, Tenn.....	44	49	59	39
Newark, N.J.....	53	54	42	36					
New York City, N.Y.....	841	891	820	797	WEST SOUTH CENTRAL:				
Paterson, N.J.....	16	23	20	15	Austin, Tex.....	16	23	12	17
Philadelphia, Pa.....	302	307	343	204	Baton Rouge, La.....	21	8	10	11
Pittsburgh, Pa.....	96	65	140	116	Corpus Christi, Tex.....	18	8	14	12
Reading, Pa.....	35	32	21	26	Dallas, Tex.....	63	60	63	57
Rochester, N.Y.....	74	72	56	54	El Paso, Tex.....	19	20	13	21
Schenectady, N.Y.....	13	13	15	12	Fort Worth, Tex.....	37	40	40	33
Scranton, Pa.....	16	26	17	19	Houston, Tex.....	95	79	95	84
Syracuse, N.Y.....	25	47	30	41	Little Rock, Ark.....	30	24	34	26
Trenton, N.J.....	28	30	16	18	New Orleans, La.....	94	75	88	101
Utica, N.Y.....	18	21	22	28	Oklahoma City, Okla.....	39	40	57	56
Yonkers, N.Y.....	15	22	23	23	San Antonio, Tex.....	61	57	45	49
					Shreveport, La.....	29	38	20	35
					Tulsa, Okla.....	35	25	33	29
EAST NORTH CENTRAL:									
Akron, Ohio.....	30	32	43	36	MOUNTAIN:				
Canton, Ohio.....	27	28	28	22	Albuquerque, N. Mex.....	18	7	12	13
Chicago, Ill.....	324	404	437	361	Colorado Springs, Colo.....	17	12	10	8
Cincinnati, Ohio.....	96	104	98	119	Denver, Colo.....	76	61	67	78
Cleveland, Ohio.....	97	129	120	98	Ogden, Utah.....	8	8	5	13
Columbus, Ohio.....	57	69	80	66	Phoenix, Ariz.....	43	43	51	37
Dayton, Ohio.....	49	49	61	57	Pueblo, Colo.....	7	9	6	7
Detroit, Mich.....	166	154	307	228	Salt Lake City, Utah.....	29	30	31	30
Evansville, Ind.....	21	22	21	30	Tucson, Ariz.....	21	17	20	27
Flint, Mich.....	17	14	31	20					
Fort Wayne, Ind.....	17	34	30	21	PACIFIC:				
Gary, Ind.....	10	17	12	16*	Berkeley, Calif.....	9	9	10	11
Grand Rapids, Mich.....	27	34	37	36	Fresno, Calif.....	24	32	22	24
Indianapolis, Ind.....	79	79	97	99	Glendale, Calif.....	26	24	27	23
Madison, Wis.....	18	14	18	16	Honolulu, Hawaii.....	17	17	21	16
Milwaukee, Wis.....	67	59	82	79	Long Beach, Calif.....	50	34	38	29
Peoria, Ill.....	14	18	15	21	Los Angeles, Calif.....	299	281	285	252
Rockford, Ill.....	14	18	17	17	Oakland, Calif.....	73	52	79	69
South Bend, Ind.....	16	24	23	19	Pasadena, Calif.....	37	19	24	21
Toledo, Ohio.....	69	59	89	61	Portland, Oreg.....	58	60	57	71
Youngstown, Ohio.....	31	44	36	36	Sacramento, Calif.....	29	36	34	32
					San Diego, Calif.....	47	54	47	51
WEST NORTH CENTRAL:					San Francisco, Calif.....	90	102	92	88
Des Moines, Iowa.....	41	47	27	45	San Jose, Calif.....	17	32	16	19
Duluth, Minn.....	20	11	14	10	Seattle, Wash.....	63	60	78	67
Kansas City, Kans.....	10	19	22	23	Spokane, Wash.....	35	26	40	36
Kansas City, Mo.....	65	84	93	65	Tacoma, Wash.....	22	24	-	24*
Lincoln, Nebr.....	14	15	29	11					
Minneapolis, Minn.....	60	115	104	72					
Omaha, Nebr.....	32	42	44	31					
St. Louis, Mo.....	106	129	175	163					
St. Paul, Minn.....	33	56	53	47					
Wichita, Kans.....	32	25	33	24					

^oCurrent Week Mortality for 108 Selected Cities

4(A) Total Mortality, all ages.....	11,024
4(B) Pneumonia-Influenza Deaths, all ages.....	399
4(C) Total Deaths under 1 Year of Age.....	739
4(D) Total Deaths, Persons 65 years and over.....	6,003

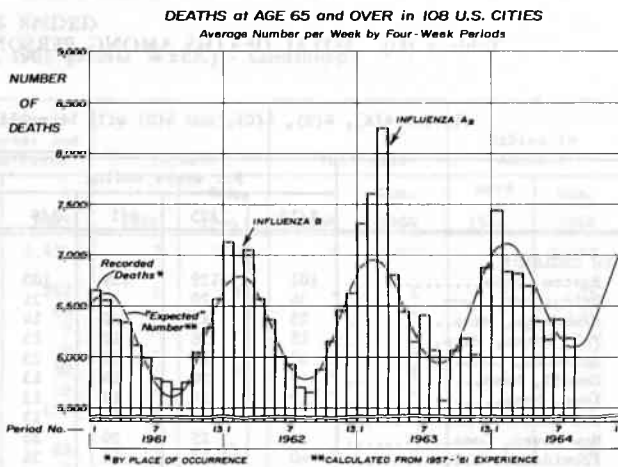
*Estimate - based on average percent of divisional total.
Totals for previous weeks include reported corrections.

NOTE: All deaths by place of occurrence.

SUMMARY OF DEATHS AMONG PERSONS 65 YEARS AND OVER IN 108 U.S. CITIES

The weekly average number of deaths among persons 65 years and over in 108 cities for the four-week period ending August 8 was 6,192 as compared with an expected weekly average of 6,116.

	Week Ending				4 Week Total	Weekly Average
	7/18	7/25	8/1	8/8		
Observed	5,990	6,212	6,563	6,003	24,768	6,192
Expected	6,143	6,120	6,105	6,098	24,466	6,116
Excess	-153	92	458	-95	302	76



(See table, p. 279)

INTERNATIONAL NOTES - QUARANTINE MEASURES

No changes.

Financial Management Officer
81
1 61
CDC

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE
Communicable Disease Center
Atlanta, Georgia 30333
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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
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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