

Morbidity and Mortality

Weekly Report

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

Prepared by the **COMMUNICABLE DISEASE CENTER** 634-5131

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ATLANTA 22, GEORGIA

Vol. 12, No. 28

PROVISIONAL INFORMATION ON SELECTED NOTIFIABLE DISEASES IN THE UNITED STATES AND ON DEATHS IN SELECTED CITIES FOR WEEK ENDED JULY 13, 1963

POLIOMYELITIS - Eleven cases of poliomyelitis, including 8 paralytic, were reported for the week ending July 13, 1963. This is well below the total of 25 cases (14 paralytic) for the corresponding week in 1962. The figure on page 230 demonstrates the comparative incidence of poliomyelitis through the 28th week in 1958, 1960, 1962, and 1963.

Three cases reported this week from Alabama included one from Walker County where there have now been four cases, all paralytic, with onsets of illness between June 3 and July 2. The two cases from Pennsylvania are from the Carlisle area (Cumberland and Perry Counties) where 21 cases have occurred. Mass community programs were conducted in the Carlisle area in late June, with Type I oral polio vaccine (See MMWR, Vol. 12, pp. 205 and 221). A total of approximately

102,000 doses of vaccine were dispensed in the two-county population of approximately 150,000.

Two cases of poliomyelitis occurred in widely separated areas in Tennessee. Single cases occurred in four other States, including Wisconsin, South Carolina, Mississippi, and Oregon.

Cumulative totals for the first 28 weeks of 1963 and the preceding four years are shown in the table below, together with the most recent six week totals:

Poliomyelitis (Cumulated Weekly) 1st Through 28th Week

	1963	1962	1961	1960	1959
Paralytic	92	189	180	454	974
Total	113	252	277	612	1,458
Poliomyelitis (Six Week Totals) 23rd Through 28th Week					
Paralytic	44	74	53	217	569
Total	57	100	92	281	877

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

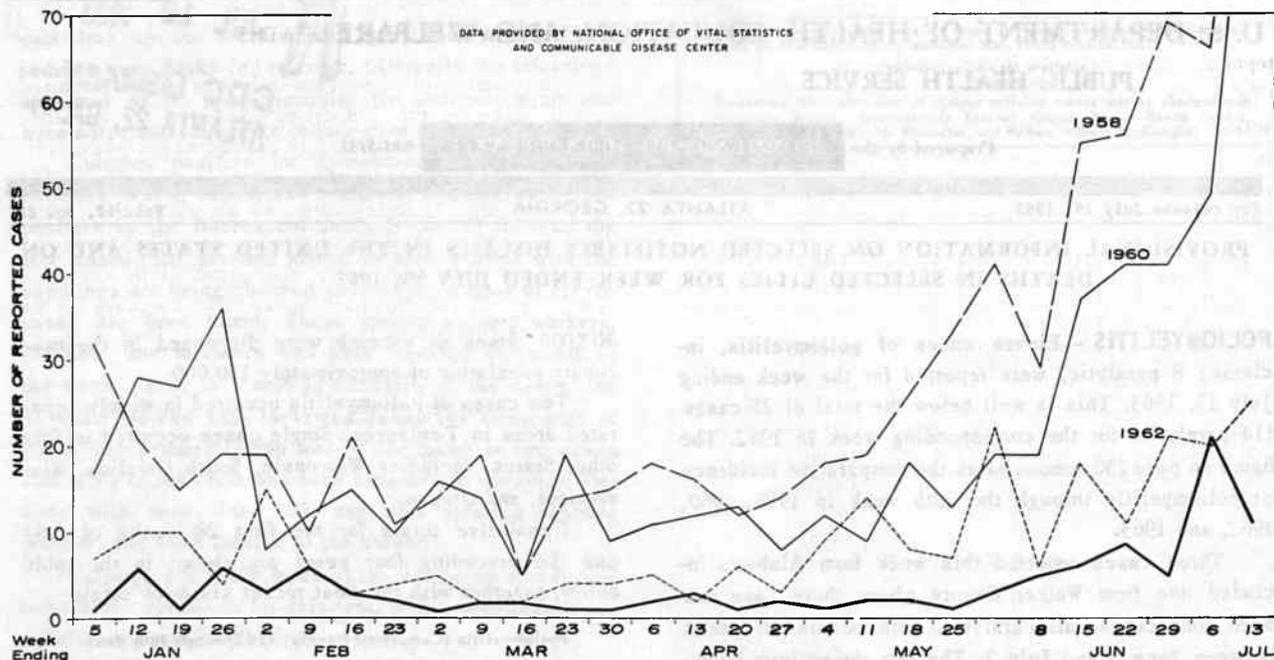
Disease	28th Week			Cumulative		
	Ended	Ended	Median 1958 - 1962	First 28 weeks		Median 1958 - 1962
	July 13, 1963	July 14, 1962		1963	1962	
Aseptic meningitis	49	54	---	705	711	---
Brucellosis	14	10	29	188	222	416
Diphtheria	2	3	9	140	225	344
Encephalitis, infectious	31	43	43	845	855	824
Hepatitis, infectious and serum ...	607	749	563	24,767	33,024	20,329
Measles	4,886	4,817	5,138	344,685	427,799	378,053
Meningococcal infections	37	27	39	1,510	1,270	1,406
Poliomyelitis, total	11	25	94	113	252	612
Paralytic	8	14	69	92	189	454
Nonparalytic	2	8	20	12	42	115
Unspecified	1	3	5	9	21	43
Streptococcal sore throat and Scarlet fever	3,786	3,395	---	222,060	203,677	---
Tetanus	5	4	---	126	118	---
Tularemia	15	7	---	145	143	---
Typhoid fever	27	12	22	220	273	353
Typhus fever, tick-borne, (Rocky Mountain spotted)	11	11	---	66	97	---
Rabies in Animals	71	99	84	2,165	2,326	2,185

Table 2. NOTIFIABLE DISEASES OF LOW FREQUENCY

Anthrax:	Cum.	2	Psittacosis: Ill. - 1	Cum.	31
Botulism:	5		Rabies in Man:	-	
Malaria: Ga. - 1	49		Smallpox:	-	
Plague:	-		Typhus, murine:	8	

CURRENT U.S. POLIO INCIDENCE

COMPARED WITH YEARS 1958, 1960, and 1962



EPIDEMIOLOGICAL REPORTS

Typhoid Fever – Pennsylvania

From July 3 to July 12, 1963, twenty-three cases of clinically diagnosed typhoid fever were reported to the Pennsylvania State Department of Public Health. Each of the 23 cases attended one of two sessions of a religious encampment in Franklin County, Pennsylvania. The first session was held June 16 – June 29 and the second July 8-12. The camp was not operative during the interim.

The majority of cases reported had attended the first encampment, which included 155 children and 20 adults. Although most who attended were Pennsylvania residents, it is known that several resided in Virginia, West Virginia and Florida, and perhaps other States as yet not known. At present, 10 patients are hospitalized in South-Central Pennsylvania hospitals.

This preliminary report is included to alert the States to this possible source of typhoid fever in campers who may have returned from the Franklin County, Pennsylvania, area.

(Reported by Dr. W. D. Schrack, Jr., Director, Division of Communicable Disease Control, State Department of Health, Pennsylvania.)

Salmonella derby Epidemic – Follow-up Report

The interstate epidemic of hospital-associated *Salmonella derby* infections, first noted in March, continues. (See MMWR Vol. 12, pp. 220, 199, 182, 173, 167, and 159). From March 1 to July 8, a total of 775 isolations of *S. derby* has been reported from 25 States and the District of Columbia. (Table 1). Of these, 601 have

TABLE 1 REPORTED *S. DERBY* ISOLATES MARCH 1, 1963 – JULY 8, 1963

State	No. Hospitals Involved	Hospital Associated	Community Acquired	Unknown	Under Investigation	Total
Alabama			2			2
California			11	3	5	19
Connecticut	3	4		1	1	6
Delaware	2	3	1		1	5
District of Columbia			1	2		3
Georgia			1	1		2
Hawaii				2	18	20
Illinois	1	1	2		3	6
Indiana	1	1				1
Louisiana			2		1	3
Maryland			4	3	2	9
Massachusetts	4	5	9	3	9	26
Michigan			2	1		3
Minnesota			2			2
Missouri			2		3	5
New Jersey	5	13	4	1	2	20
New Mexico					1	1
New York	9	60	2	4	9	75
North Carolina			3			3
Ohio	3	4	6	6	1	17
Pennsylvania	11	507*	13**	1	11	532
Rhode Island	1	3		1		4
Texas			3			3
Virginia			1	1		2
Washington					4	4
Wisconsin				1	1	2
TOTAL	40	601	71	31	72	775

* More than 50 percent of this total represents recoveries resultant from secondary spread of infection in 5 different hospitals.

** At least 3 cases represent infection acquired from contaminated turkey roll.

been classified as "hospital-associated" infections and have occurred in 40 hospitals in 10 States. The problem is concentrated largely in the Northeastern portion of the country. During this same period there have been 71 infections classified as "community acquired." These have been reported from all parts of the country. Their frequency has been comparable with the normal endemic incidence of *S. derby* isolations (approximately 20 per month).

Since the epidemic began, 16 fatalities have been reported among patients from whom *S. derby* was isolated (Table II). Most of these patients were suffering from serious debilitating or life threatening diseases; however, in at least one instance the Salmonella infection was considered "a highly contributing" factor in the patient's death.

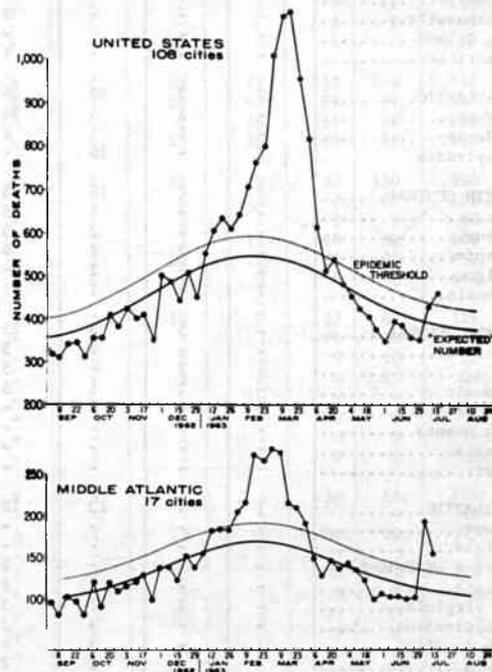
TABLE 2 FATALITIES ASSOCIATED WITH THE ISOLATION OF *S. DERBY* DURING HOSPITALIZATION

STATE	AGE AND SEX OF PATIENT	OTHER DIAGNOSIS
1. Pennsylvania	80 M	Chronic duodenal ulcer with obstruction
2. Pennsylvania	18 F	Staphylococcal pneumonia
3. Pennsylvania	64 M	Diabetes mellitus
4. Pennsylvania	50 F	Ulcerative Colitis
5. Pennsylvania	56 F	Melanoblastoma
6. Pennsylvania	74 F	Ulcerative Colitis
7. Pennsylvania	78 F	Hypertensive cardiovascular disease
8. Pennsylvania	81 M	Fractured hip
9. Pennsylvania	53 M	GI Surgery
10. Pennsylvania	69 M	Carcinoma bladder
11. Pennsylvania	9 M	Myeloblastoma
12. Pennsylvania	63 M	Pulmonary carcinoma
13. Pennsylvania	F	Fractured hip
14. Pennsylvania	74 F	Renal failure, hepatic failure
15. New York	30 F	Hodgkins Disease
16. New York	59 M	Carcinoma bladder

In each of the involved hospitals a consistent epidemiologic pattern has been observed. The initial isolations have been recognized among patients with gastrointestinal disease, often post operative and usually during the second week of hospitalization. Multiple cases have appeared in widely separated parts of the hospital within relatively short intervals of time. (Continued on page 236)

PNEUMONIA-INFLUENZA DEATHS

The number of pneumonia-influenza deaths reported for all ages by the 108 cities exceeded the epidemic threshold and is mainly due to the increases above epidemic levels reported for the past two successive weeks by the Middle Atlantic States as shown in the figure. Increases in the number of pneumonia-influenza deaths during the past week were also reported by the West North Central and Mountain States. The increase in the Middle Atlantic States followed a moderate heat wave.



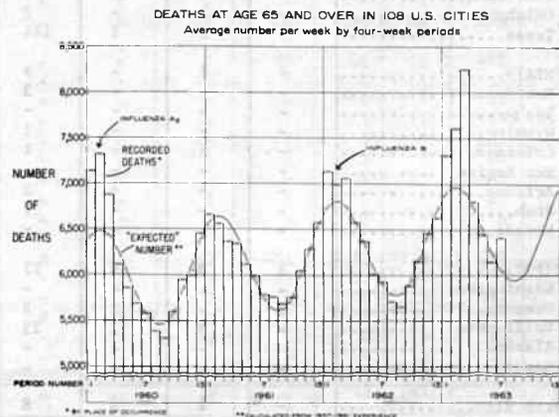
SUMMARY OF DEATHS AMONG PERSONS 65 YEARS AND OVER IN 108 U. S. CITIES

The weekly average number of deaths among persons 65 years and over in 108 cities for the four-week period ending July 13 was 6,413 as compared with an expected weekly average of 6,076.

During the first week of the recent four-week period, the number of deaths among persons 65 years and over was slightly below the expected number, but in the second week showed an increase which culminated in an excess

of 946 over the expected number in the fourth week (ending 7/13). Localization of this excess has been mainly in the Middle Atlantic States.

	WEEK ENDING				4 Week Total	Weekly Average
	6/22	6/29	7/6	7/13		
Observed	6,073	6,285	6,331	6,961	25,650	6,413
Expected	6,140	6,094	6,053	6,015	24,302	6,076
Excess	- 67	191	278	946	1,348	337



(See table, page 235)

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

JULY 13, 1963 AND JULY 14, 1962

Area	Poliomyelitis, total cases				Poliomyelitis, paralytic				Poliomyelitis, nonparalytic		Aseptic Meningitis	
	28th week		Cumulative First 28 weeks		28th week		Cumulative First 28 weeks		28th week		28th week	
	1963	1962	1963	1962	1963	1962	1963	1962	1963	1962	1963	1962
UNITED STATES.....	11	25	113	252	8	14	92	189	2	8	49	54
NEW ENGLAND.....	-	-	-	3	-	-	-	3	-	-	-	1
Maine.....	-	-	-	-	-	-	-	-	-	-	-	-
New Hampshire.....	-	-	-	-	-	-	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts.....	-	-	-	2	-	-	-	2	-	-	-	1
Rhode Island.....	-	-	-	-	-	-	-	-	-	-	-	-
Connecticut.....	-	-	-	1	-	-	-	1	-	-	-	-
MIDDLE ATLANTIC.....	2	2	32	36	1	2	24	23	1	-	-	2
New York.....	-	1	5	34	-	1	5	21	-	-	-	-
New Jersey.....	-	1	1	2	-	1	1	2	-	-	-	-
Pennsylvania.....	2	-	26	-	1	-	18	-	1	-	-	2
EAST NORTH CENTRAL.....	1	2	18	13	-	1	12	8	-	-	10	4
Ohio.....	-	-	5	5	-	-	3	5	-	-	2	2
Indiana.....	-	-	2	3	-	-	-	2	-	-	1	-
Illinois.....	-	2	7	4	-	1	6	1	-	-	3	2
Michigan.....	-	-	2	-	-	-	2	-	-	-	4	-
Wisconsin.....	1	-	2	1	-	-	1	-	-	-	-	-
WEST NORTH CENTRAL.....	-	3	3	13	-	1	3	7	-	2	5	1
Minnesota.....	-	-	2	3	-	-	2	3	-	-	5	1
Iowa.....	-	2	-	5	-	-	-	2	-	2	-	-
Missouri.....	-	1	1	5	-	1	1	2	-	-	-	-
North Dakota.....	-	-	-	-	-	-	-	-	-	-	-	-
South Dakota.....	-	-	-	-	-	-	-	-	-	-	-	-
Nebraska.....	-	-	-	-	-	-	-	-	-	-	-	-
Kansas.....	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH ATLANTIC.....	1	1	13	16	1	1	10	13	-	-	1	9
Delaware.....	-	-	-	-	-	-	-	-	-	-	-	-
Maryland.....	-	-	-	-	-	-	-	-	-	-	-	-
District of Columbia..	-	-	-	1	-	-	-	-	-	-	-	-
Virginia.....	-	-	2	2	-	-	1	2	-	-	-	2
West Virginia.....	-	1	1	3	-	1	1	3	-	-	1	1
North Carolina.....	-	-	3	2	-	-	3	2	-	-	-	-
South Carolina.....	1	-	3	-	1	-	2	-	-	-	-	1
Georgia.....	-	-	1	2	-	-	-	2	-	-	-	-
Florida.....	-	-	3	6	-	-	3	4	-	-	-	5
EAST SOUTH CENTRAL.....	6	2	17	10	6	1	15	6	-	1	10	4
Kentucky.....	-	2	-	5	-	1	-	3	-	1	-	2
Tennessee.....	2	-	4	3	2	-	4	1	-	-	1	1
Alabama.....	3	-	11	2	3	-	9	2	-	-	1	1
Mississippi.....	1	-	2	-	1	-	2	-	-	-	8	-
WEST SOUTH CENTRAL.....	-	11	16	125	-	6	16	99	-	4	6	21
Arkansas.....	-	-	1	1	-	-	1	1	-	-	-	-
Louisiana.....	-	1	13	8	-	1	13	7	-	-	-	-
Oklahoma.....	-	1	-	2	-	-	-	-	-	-	1	1
Texas.....	-	9	2	114	-	5	2	91	-	4	5	20
MOUNTAIN.....	-	1	-	9	-	-	-	7	-	-	1	2
Montana.....	-	-	-	3	-	-	-	2	-	-	1	-
Idaho.....	-	-	-	-	-	-	-	-	-	-	-	-
Wyoming.....	-	-	-	1	-	-	-	1	-	-	-	-
Colorado.....	-	1	-	1	-	-	-	-	-	-	-	2
New Mexico.....	-	-	-	-	-	-	-	-	-	-	-	-
Arizona.....	-	-	-	3	-	-	-	3	-	-	-	-
Utah.....	-	-	-	1	-	-	-	1	-	-	-	-
Nevada.....	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	1	3	14	27	-	2	12	23	1	1	16	10
Washington.....	-	-	-	-	-	-	-	-	-	-	-	-
Oregon.....	1	-	2	2	-	-	1	2	1	-	-	-
California.....	-	3	12	25	-	2	11	21	-	1	16	10
Alaska.....	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii.....	-	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico.....	-	1	4	8	-	1	4	8	-	-	-	-

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
JULY 13, 1963 AND JULY 14, 1962 - (Continued)

Area	Brucellosis		Diphtheria		Encephalitis, infectious		Hepatitis, infectious and serum				Measles	
	28th week	Cumulative 28 weeks	28th week	Cumulative 28 weeks	28th week		28th week				28th week	
							Under 20 yr.	20 & over	Total			
	1963	1963	1963	1963	1963	1962	1963	1963	1963	1962	1963	1962
UNITED STATES.....	14	188	2	140	31	43	281	285	607	749	4,886	4,817
NEW ENGLAND.....	-	-	1	7	1	3	29	24	57	33	186	627
Maine.....	-	-	-	-	-	1	22	9	31	12	12	70
New Hampshire.....	-	-	-	-	-	-	3	5	8	1	-	2
Vermont.....	-	-	-	-	-	-	1	1	2	-	23	60
Massachusetts.....	-	-	1	5	1	-	2	5	7	11	112	328
Rhode Island.....	-	-	-	2	-	2	-	-	3	5	9	49
Connecticut.....	-	-	-	-	-	-	1	4	6	4	30	118
MIDDLE ATLANTIC.....	1	5	-	21	9	7	55	73	128	145	1,012	893
New York.....	-	3	-	13	5	7	36	43	79	94	646	570
New Jersey.....	-	-	-	3	-	-	2	16	18	22	204	226
Pennsylvania.....	1	2	-	5	4	-	17	14	31	29	162	97
EAST NORTH CENTRAL.....	1	16	1	17	1	6	44	49	93	130	1,590	1,046
Ohio.....	-	3	-	1	-	3	6	11	17	47	151	117
Indiana.....	1	3	1	4	-	-	3	2	5	9	80	60
Illinois.....	-	10	-	7	-	2	5	13	18	32	113	115
Michigan.....	-	2	-	3	1	1	30	20	50	34	832	458
Wisconsin.....	-	1	-	2	-	-	-	3	3	8	414	296
WEST NORTH CENTRAL.....	5	122	-	36	-	3	14	7	27	47	126	315
Minnesota.....	-	7	-	15	-	1	-	1	1	10	1	23
Iowa.....	5	90	-	1	-	-	5	2	7	16	73	75
Missouri.....	-	7	-	1	-	-	2	2	4	15	28	150
North Dakota.....	-	-	-	1	-	-	-	-	-	-	21	57
South Dakota.....	-	7	-	10	-	-	4	-	10	1	3	10
Nebraska.....	-	5	-	8	-	-	2	1	3	3	-	-
Kansas.....	-	6	-	-	-	2	1	1	2	2	NN	NN
SOUTH ATLANTIC.....	3	8	-	29	8	8	34	18	55	65	566	320
Delaware.....	-	-	-	-	-	-	-	-	-	-	12	7
Maryland.....	-	-	-	-	3	1	12	6	18	16	117	39
District of Columbia..	-	-	-	-	-	-	-	1	1	3	1	-
Virginia.....	-	3	-	1	-	-	4	6	12	11	118	105
West Virginia.....	-	-	-	1	-	-	4	1	5	7	174	62
North Carolina.....	-	1	-	1	-	1	10	2	12	15	3	7
South Carolina.....	-	-	-	9	-	-	-	1	2	2	90	40
Georgia.....	3	3	-	10	-	1	3	-	3	1	1	-
Florida.....	-	1	-	8	4	5	1	1	2	10	50	60
EAST SOUTH CENTRAL.....	1	8	-	10	3	2	18	23	41	90	166	196
Kentucky.....	-	2	-	-	-	-	6	4	10	35	48	35
Tennessee.....	-	4	-	2	1	-	2	5	7	17	98	132
Alabama.....	1	2	-	8	-	-	3	4	7	14	3	14
Mississippi.....	-	-	-	-	2	2	7	10	17	24	17	15
WEST SOUTH CENTRAL.....	2	15	-	17	1	1	39	29	69	50	228	274
Arkansas.....	-	3	-	1	-	-	5	3	8	3	9	-
Louisiana.....	2	2	-	2	-	-	13	6	19	10	-	3
Oklahoma.....	-	4	-	6	1	1	-	-	-	1	36	11
Texas.....	-	6	-	8	-	-	21	20	42	36	183	260
MOUNTAIN.....	1	7	-	1	-	-	7	11	44	56	481	514
Montana.....	-	-	-	-	-	-	1	1	2	1	57	60
Idaho.....	-	-	-	-	-	-	-	-	6	9	55	21
Wyoming.....	-	1	-	-	-	-	-	1	1	1	-	12
Colorado.....	-	-	-	-	-	-	-	1	6	10	121	153
New Mexico.....	-	-	-	1	-	-	4	3	7	2	NN	NN
Arizona.....	-	3	-	-	-	-	-	-	12	33	182	170
Utah.....	1	3	-	-	-	-	2	5	7	-	62	96
Nevada.....	-	-	-	-	-	-	-	-	3	-	4	2
PACIFIC.....	-	7	-	2	8	13	41	51	93	133	531	632
Washington.....	-	-	-	-	-	2	9	7	17	38	33	67
Oregon.....	-	2	-	-	-	1	7	8	15	13	52	169
California.....	-	4	-	2	8	10	23	35	58	76	325	305
Alaska.....	-	-	-	-	-	-	2	1	3	5	71	8
Hawaii.....	-	1	-	-	-	-	-	-	-	1	50	83
Puerto Rico.....	-	-	-	10	-	-	12	1	13	11	12	73

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

JULY 13, 1963 AND JULY 14, 1962 - (Continued)

Area	Meningococcal Infections		Streptococcal Sore Throat & Scarlet Fever		Tetanus	Tickborne Typhus (Rocky Mt. Spotted)	Tularemia	Typhoid Fever		Rabies in Animals		
	28th wk.	Cumulative 28 weeks	28th week		28th wk.	28th wk.	28th wk.	28th wk.	Cumulative 28 weeks	28th week		Cumulative 28 weeks
			1963	1962						1963	1962	
UNITED STATES.....	37	1,510	3,786	3,395	5	11	15	27	220	71	99	2,165
NEW ENGLAND.....	2	93	304	204	-	-	-	-	6	2	-	24
Maine.....	1	16	34	4	-	-	-	-	-	-	-	1
New Hampshire.....	-	4	46	-	-	-	-	-	-	-	-	12
Vermont.....	-	3	-	1	-	-	-	-	1	1	-	10
Massachusetts.....	-	42	50	49	-	-	-	-	4	1	-	1
Rhode Island.....	-	9	7	16	-	-	-	-	-	-	-	-
Connecticut.....	1	19	167	134	-	-	-	-	1	-	-	-
MIDDLE ATLANTIC.....	4	206	132	141	-	-	-	23	52	3	5	64
New York.....	-	95	80	103	-	-	-	-	17	2	4	49
New Jersey.....	2	29	34	12	-	-	-	-	2	-	-	-
Pennsylvania.....	2	82	18	26	-	-	-	23	33	1	1	15
EAST NORTH CENTRAL..	3	238	349	269	-	1	-	1	13	13	40	366
Ohio.....	1	69	13	14	-	-	-	1	4	7	6	223
Indiana.....	1	30	59	84	-	-	-	-	1	3	4	35
Illinois.....	1	41	62	37	-	1	-	-	5	1	29	54
Michigan.....	-	71	140	80	-	-	-	-	1	1	1	32
Wisconsin.....	-	27	75	54	-	-	-	-	2	1	-	22
WEST NORTH CENTRAL..	-	89	110	100	-	-	3	1	14	32	24	529
Minnesota.....	-	18	4	8	-	-	1	-	3	3	3	134
Iowa.....	-	5	23	24	-	-	-	-	1	16	11	201
Missouri.....	-	30	-	5	-	-	2	-	8	6	2	95
North Dakota.....	-	4	40	53	-	-	-	-	-	2	-	17
South Dakota.....	-	5	5	3	-	-	-	1	1	1	7	59
Nebraska.....	-	19	-	-	-	-	-	-	1	4	-	14
Kansas.....	-	8	38	7	-	-	-	-	-	-	1	9
SOUTH ATLANTIC.....	7	286	243	226	3	8	3	-	35	4	7	321
Delaware.....	-	2	1	-	-	-	-	-	1	-	-	-
Maryland.....	1	44	37	6	-	2	-	-	3	-	-	-
Dist. of Columbia..	-	4	-	1	-	-	-	-	-	-	-	-
Virginia.....	2	69	41	60	1	3	1	-	5	2	4	119
West Virginia.....	2	15	72	73	-	-	-	-	6	1	3	94
North Carolina.....	1	51	9	9	-	1	-	-	5	-	-	5
South Carolina.....	-	13	21	53	-	-	-	-	2	-	-	6
Georgia.....	-	22	-	-	-	2	1	-	2	1	-	40
Florida.....	1	66	62	24	2	-	1	-	11	-	-	57
EAST SOUTH CENTRAL..	4	117	774	666	1	2	-	2	21	5	9	175
Kentucky.....	-	25	65	26	-	-	-	-	1	2	4	82
Tennessee.....	2	51	651	614	-	2	-	2	14	3	3	78
Alabama.....	-	21	14	1	1	-	-	-	4	-	2	15
Mississippi.....	2	20	44	25	-	-	-	-	2	-	-	-
WEST SOUTH CENTRAL..	4	150	596	492	-	-	7	-	36	3	6	427
Arkansas.....	1	10	-	-	-	-	5	-	17	-	-	32
Louisiana.....	3	62	1	1	-	-	1	-	7	-	-	37
Oklahoma.....	-	29	42	2	-	-	1	-	3	-	-	33
Texas.....	-	49	553	489	-	-	-	-	9	3	6	325
MOUNTAIN.....	-	52	769	609	-	-	1	-	6	2	-	47
Montana.....	-	3	30	6	-	-	1	-	-	-	-	-
Idaho.....	-	4	60	47	-	-	-	-	-	-	-	-
Wyoming.....	-	4	4	7	-	-	-	-	-	-	-	-
Colorado.....	-	12	244	266	-	-	-	-	3	-	-	2
New Mexico.....	-	4	219	94	-	-	-	-	1	-	-	21
Arizona.....	-	8	96	125	-	-	-	-	2	2	-	24
Utah.....	-	14	101	64	-	-	-	-	-	-	-	-
Nevada.....	-	3	15	-	-	-	-	-	-	-	-	-
PACIFIC.....	13	279	509	688	1	-	1	-	37	7	8	212
Washington.....	2	21	63	30	-	-	-	-	-	-	-	-
Oregon.....	1	18	7	19	-	-	-	-	2	-	-	1
California.....	9	225	410	597	1	-	1	-	32	7	8	202
Alaska.....	1	8	8	30	-	-	-	-	1	-	-	9
Hawaii.....	-	7	21	12	-	-	-	-	2	-	-	-
Puerto Rico.....	-	5	6	4	3	-	-	-	11	1	-	9

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			
	6/22	6/29	7/6	7/13		6/22	6/29	7/6	7/13
NEW ENGLAND:					SOUTH ATLANTIC:				
Boston, Mass.....	93	142	156	132	Atlanta, Ga.....	66	55	38	51
Bridgeport, Conn.....	20	30	45	23	Baltimore, Md.....	138	102	137	148
Cambridge, Mass.....	21	24	24	11	Charlotte, N.C.....	15	12	8	20
Fall River, Mass.....	12	22	17	35	Jacksonville, Fla.....	31	32	16	24
Hartford, Conn.....	28	22	34	19	Miami, Fla.....	53	53	28	51
Lowell, Mass.....	10	14	26	12	Norfolk, Va.....	27	19	21	21
Lynn, Mass.....	14	18	17	12	Richmond, Va.....	39	43	43	38
New Bedford, Mass.....	17	13	26	22	Savannah, Ga.....	14	11	7	18
New Haven, Conn.....	19	29	17	36	St. Petersburg, Fla.....	55	60	51	52
Providence, R.I.....	64	53	50	42	Tampa, Fla.....	43	39	47	40
Somerville, Mass.....	10	10	12	12	Washington, D.C.....	76	83	89	104
Springfield, Mass.....	25	29	23	47	Wilmington, Del.....	18	16	10	45
Waterbury, Conn.....	20	22	16	15	EAST SOUTH CENTRAL:				
Worcester, Mass.....	32	35	50	46	Birmingham, Ala.....	53	47	27	37
MIDDLE ATLANTIC:					Chattanooga, Tenn.....	19	36	9	26
Albany, N.Y.....	23	28	32	18	Knoxville, Tenn.....	21	22	4	25
Allentown, Pa.....	22	26	25	13	Louisville, Ky.....	69	75	44	66
Buffalo, N.Y.....	67	77	100	115	Memphis, Tenn.....	62	44	40	55
Camden, N.J.....	24	29	14	45	Mobile, Ala.....	29	11	15	17
Elizabeth, N.J.....	11	14	27	38	Montgomery, Ala.....	15	16	1	21
Erie, Pa.....	18	15	32	24	Nashville, Tenn.....	43	41	30	64
Jersey City, N.J.....	39	41	49	59	WEST SOUTH CENTRAL:				
Newark, N.J.....	37	42	55	67	Austin, Tex.....	24	16	18	23
New York City, N.Y.....	880	1,005	1,321	1,013	Baton Rouge, La.....	14	12	9	20
Paterson, N.J.....	21	23	31	21	Corpus Christi, Tex.....	18	8	9	15
Philadelphia, Pa.....	256	235	251	345	Dallas, Tex.....	55	75	59	57
Pittsburgh, Pa.....	95	128	65	107	El Paso, Tex.....	15	22	13	19
Reading, Pa.....	33	36	23	30	Fort Worth, Tex.....	38	33	38	56
Rochester, N.Y.....	67	65	58	61	Houston, Tex.....	81	89	53	79
Schenectady, N.Y.....	16	9	20	8	Little Rock, Ark.....	46	23	23	26
Scranton, Pa.....	25	31	25	27	New Orleans, La.....	100	75	68	75
Syracuse, N.Y.....	36	31	47	35	Oklahoma City, Okla.....	41	33	20	45
Trenton, N.J.....	19	23	12	48	San Antonio, Tex.....	55	61	39	52
Utica, N.Y.....	13	18	24	30	Shreveport, La.....	35	29	23	18
Yonkers, N.Y.....	25	21	27	23	Tulsa, Okla.....	27	36	30	32
EAST NORTH CENTRAL:					MOUNTAIN:				
Akron, Ohio.....	33	32	29	46	Albuquerque, N. Mex.....	19	10	17	14
Canton, Ohio.....	17	21	22	25	Colorado Springs, Colo...	13	8	11	19
Chicago, Ill.....	351	349	376	385	Denver, Colo.....	55	55	64	85
Cincinnati, Ohio.....	89	88	89	104	Ogden, Utah.....	6	15	6	21
Cleveland, Ohio.....	111	110	110	139	Phoenix, Ariz.....	44	43	37	45
Columbus, Ohio.....	63	66	55	71	Pueblo, Colo.....	8	7	11	10
Dayton, Ohio.....	38	40	47	40	Salt Lake City, Utah.....	31	23	26	49
Detroit, Mich.....	174	188	284	169	Tucson, Ariz.....	22	32	23	22
Evansville, Ind.....	21	30	25	24	PACIFIC:				
Flint, Mich.....	26	17	15	21	Berkeley, Calif.....	17	12	9	18
Fort Wayne, Ind.....	21	28	22	23	Fresno, Calif.....	26	28	31	25
Gary, Ind.....	17	24	22	25	Glendale, Calif.....	24	28	21	23
Grand Rapids, Mich.....	34	26	27	32	Honolulu, Hawaii.....	23	22	16	20
Indianapolis, Ind.....	58	91	81	82	Long Beach, Calif.....	30	34	24	38
Madison, Wis.....	13	16	7	23	Los Angeles, Calif.....	309	274	231	289
Milwaukee, Wis.....	60	64	64	87	Oakland, Calif.....	51	70	37	55
Peoria, Ill.....	12	8	20	6	Pasadena, Calif.....	28	34	21	23
Rockford, Ill.....	16	20	19	16	Portland, Oreg.....	73	85	45	84
South Bend, Ind.....	24	28	19	22	Sacramento, Calif.....	29	35	27	36
Toledo, Ohio.....	62	51	65	89	San Diego, Calif.....	60	56	41	64
Youngstown, Ohio.....	35	49	30	32	San Francisco, Calif.....	86	106	96	122
WEST NORTH CENTRAL:					San Jose, Calif.....	22	17	22	25
Des Moines, Iowa.....	35	36	21	58	Seattle, Wash.....	87	70	71	87
Duluth, Minn.....	14	17	10	14	Spokane, Wash.....	31	39	23	47
Kansas City, Kans.....	18	25	14	16	Tacoma, Wash.....	32	22	17	40
Kansas City, Mo.....	70	79	101	111	San Juan, P.R.....	21	13	16	18
Lincoln, Nebr.....	14	25	24	20	^o Current Week Mortality for 108 Selected Cities				
Minneapolis, Minn.....	80	65	76	71	4(A) Total Mortality, all ages.....	12,340			
Omaha, Nebr.....	36	41	26	40	4(B) Pneumonia-Influenza Deaths, all ages.....	459			
St. Louis, Mo.....	125	134	136	137	4(C) Total Deaths under 1 Year of Age.....	840			
St. Paul, Minn.....	45	50	41	52	4(D) Total Deaths, Persons 65 years and over.....	6,961			
Wichita, Kans.....	23	26	18	30					

Totals for previous weeks include reported corrections.

NOTE: All deaths by place of occurrence.

Common sources of infection such as contact with possibly infected persons, exposure in specific locations, common therapeutic or diagnostic procedures or common medications have been notably absent. In some hospitals secondary spread of infection has become a difficult and continuing problem. This has complicated epidemiologic analysis.

The almost simultaneous appearance of these infections in many hospitals in several States clearly incriminated some common source of infection in interstate movement. The following possibilities have been considered: 1) interchange of patients or personnel; 2) use of diagnostic or therapeutic agents; and, 3) dietary items.

Intensive investigations for these possibilities were carried out in 22 hospitals. The first two could be clearly excluded. The third, dietary items, presented a wide range of potentially suspect foods. Histories of foods consumed during the period of 48 hours prior to onset among approximately 200 of the "initial" patients revealed that most were receiving highly restricted diets. Thus many potential food items could be excluded from further consideration. Only one particular item of food was almost universally consumed by the patients. This was raw or undercooked eggs.

Therefore a careful search was made of sources of the eggs supplied to 15 hospitals in 3 States. Among a large number of egg farms identified, only those in two localized geographic areas could possibly have supplied these 15 hospitals. Samples of eggs (235 dozen), pooled chicken droppings (5400 specimens) and poultry feed (58 specimens) were obtained from both areas. *S. derby* was recovered from one sample of feed and 4 pooled samples of cracked eggs in one of these areas.

Upon review of the data accumulated, the Surgeon General of the Public Health Service released the following recommendation on July 11, 1963:

"There is sufficient epidemiological and bacteriological evidence to suggest that everyone should avoid buying and using cracked or unclean eggs. Persons who are ill, especially infants, the elderly, and individuals suffering from gastrointestinal diseases or malignancies should not be fed raw or undercooked eggs. An undercooked egg is one in which the white is not firm."

"It is recognized that cracked eggs are used for a variety of commercial purposes. So long as eggs used for these purposes are thoroughly cooked and the final product is not recontaminated, there is no inherent danger to the continued use of these eggs for this purpose. Thorough cooking will effectively sterilize the product." (Based on studies conducted by State and local health officials, the Food and Drug Administration, the staffs of numerous hospitals and teams from the Communicable Disease Center.)

INTERNATIONAL NOTES - QUARANTINE MEASURES

Smallpox - Sweden

Two additional cases of smallpox were reported from Stockholm on July 11 and July 12, respectively. One of these, an 89-year-old female patient in a mental hospital, had onset of rash and fever on July 7, 15 days after onset of illness in Case 23, a 73-year-old woman also hospitalized at this institution.

The total number of confirmed cases that has occurred during the outbreak is 25, including four deaths.

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