



Morbidity and Mortality

Vol. 17, No. 9

WEEKLY REPORT

Week Ending March 2, 1968

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 BUREAU OF DISEASE PREVENTION AND ENVIRONMENTAL CONTROL
 ATLANTA, GA 30333

EPIDEMIOLOGIC NOTES AND REPORTS
 POLIOMYELITIS - Hidalgo, Texas

Further information on the outbreak of paralytic poliomyelitis in unimmunized preschool children in Hidalgo County, Texas (MMWR, Vol. 17, No. 8), has become available. The ages of the three infants from Pharr were 3 months, 3 months, and 12 months, with onset of symptoms on January 28, February 6, and February 11, respectively. Prodromal symptoms were confined to the respiratory tract with accompanying fever; later, extensive flaccid paralysis developed in each case. One 3-month-old infant died of respiratory failure 2 days after onset of symptoms. Type I polio virus was isolated at the Texas State Department of Health Laboratory from the stools of the two surviving

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patients and from the nervous tissue of the deceased patient.

Initial serologic tests on the two survivors showed fourfold rises in complement fixation titers for Type I; however, in one case, fourfold rises for Types II and III also occurred. Neutralization antibody tests and strain

(Continued on page 78)

TABLE I. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
 (Totals include revised and delayed reports)

DISEASE	9th WEEK ENDED		MEDIAN 1963 - 1967	CUMULATIVE, FIRST 9 WEEKS		
	MARCH 2, 1968	MARCH 4, 1967		1968	1967	MEDIAN 1963 - 1967
Aseptic meningitis	30	22	27	237	239	239
Brucellosis	1	5	4	8	30	34
Diphtheria	14	1	3	29	25	31
Encephalitis, primary:						
Arthropod-borne & unspecified	19	21	---	132	194	---
Encephalitis, post-infectious	13	19	---	73	92	---
Hepatitis, serum	58	37	859	578	318	7,286
Hepatitis, infectious	785	822		7,223	6,968	
Malaria	51	62	3	411	325	21
Measles (rubeola)	736	2,834	9,396	4,859	18,885	70,911
Meningococcal infections, total	69	62	79	735	526	526
Civilian	60	49	---	677	486	---
Military	9	13	---	58	40	---
Mumps	5,041	---	---	42,892	---	---
Poliomyelitis, total	1	1	---	4	2	2
Paralytic	1	1	---	4	2	2
Rubella (German measles)	1,221	1,209	---	6,869	7,400	---
Streptococcal sore throat & scarlet fever	11,589	14,711	12,024	101,953	107,207	97,449
Tetanus	2	1	3	15	26	32
Tularemia	1	1	2	15	20	40
Typhoid fever	4	6	6	30	47	47
Typhus, tick-borne (Rky. Mt. spotted fever)	---	---	---	3	6	6
Rabies in animals	70	100	81	627	691	646

TABLE II. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.	Cum.
Anthrax:	---	---
Botulism:	---	---
Leptospirosis: Hawaii-1	3	6
Plague:	---	2
Psittacosis:	5	---
Rabies in man:	---	2
Rubella, Congenital Syndrome: Colo.-1	---	6
Trichinosis:	---	2
Typhus, murine:	---	---

POLIOMYELITIS - (Continued from front page)

characterization tests on the Type I viral isolates are pending.

These three infants resided in the town of Pharr; two patients lived in adjacent houses and were cousins. The other infant lived about 15 blocks away and had no known contact with the other cases. None of the infants had received polio vaccine. All are members of lower socioeconomic families.

One additional case of paralytic poliomyelitis was treated at McAllen General Hospital, McAllen, Hidalgo County. This 18-month-old infant became symptomatic on February 3 and developed asymmetric paralysis of three extremities. Type I polio virus was isolated from a stool

specimen. This unimmunized infant has resided in nearby Reynosa, Mexico, in recent months, and had not traveled from Reynosa before hospitalization.

Special emergency mass immunization clinics are being held this week in Pharr to distribute Type I oral polio vaccine to unimmunized preschool children and other inadequately immunized persons. Clinics are also being held in the rest of Hidalgo County to intensify the existing trivalent oral polio vaccine programs. An active surveillance program is being carried out.

(Reported by M. S. Dickerson, M.D., Epidemiologist, Texas State Department of Health; and two EIS Officers.)

CURRENT TRENDS
MENINGOCOCCAL INFECTIONS - United StatesTable 1
Meningococcal Infections

Week No.	1967			1968		
	Civilian	Military	Total	Civilian	Military	Total
1	41	1	42	42	1	43
2	68	8	76	67	0	67
3	68	5	73	82	3	85
4	41	3	44	89	10	99
5	49	4	53	115	10	125
6	55	3	58	83	1	84
7	62	2	64	78	4	82
8	53	1	54	61	20	81
9	49	13	62	60	9	69
	486	40	526	677	58	735

The number of meningococcal infections reported for the eighth and ninth weeks of 1968 were 30 percent higher than for the corresponding weeks of 1967 (Table 1). This increase is partly due to an increased number of cases reported from the military.

(Reported by Bacterial Diseases Section, Epidemiology Program, NCDC).

MENINGOCOCCAL INFECTIONS - Oklahoma

During the first 31 days of 1968, 28 cases of meningococcal infection including 6 fatalities were reported from Oklahoma. The absolute number of cases exceeded the usual number for January (Table 2).

Table 2
Meningococcal Infection in Oklahoma
for January 1963-1968

Year	Number of Cases in January
1963	7
1964	2
1965	7
1966	0
1967	2
1968	28

Of the 28 cases, 23 patients were age 15 years or less; 15 patients were male and 13 were female. Three family outbreaks were recorded. In each of two families, two children were effected, and in a third family with

seven children, there were three cases including one death. The remaining 21 cases had no known contact with another case of meningococcal infection.

On January 17, cultures were taken on 50 children who attended a school where one of the confirmed cases was enrolled. Only 3 (6 percent) of these 50 students were found to be carriers of *Neisseria meningitidis*.

Serogrouping of *N. meningitidis* isolates from 19 of the 28 cases revealed 13 to be Group B and 6 to be Group C. Tube dilution sensitivities were performed on 15 isolates; five of these strains were inhibited by a concentration of sulfadiazine of 1 mg. percent or less.

(Reported by Larry Chitwood, Ph.D., Pediatrics Infectious Disease Laboratory, and Robert C. Bowers, M.D., Resident, P.M. and P.H., University of Oklahoma Medical Center; William Schmieding, Ph.D., Director, Laboratory Division, and R. LeRoy Carpenter, M.D., Director, Division of Epidemiology, Oklahoma State Department of Health; and an EIS Officer.)

MEASLES - Arizona

During the past 8 years, 1960-1967, Arizona recorded 44,593 cases of measles and 79 deaths attributed to measles (Tables 3 and 4). In 1967, a low incidence year for measles in Arizona, three of the 79 deaths occurred. The cumulative number of cases reported for the first 9 weeks of 1968 is 53 cases compared with 226 cases for the similar period in 1967.

Age, race, and sex distribution for the 79 deaths are presented in Table 4. Of the deaths, 90 percent were in children under 5 years of age. Although Indians comprise only 6 percent of the 1960 Arizona population, race distribution showed 61 percent of the deaths among Indians; 37 percent of the deaths were among whites and 2 percent of the deaths were among the other races. Deaths were

Table 3
Reported Cases of Measles in Arizona, 1960-1967

Year	Number of Cases	Year	Number of Cases
1960	4,863	1964	6,767
1961	8,570	1965	1,593
1962	6,305	1966	5,396
1963	10,033	1967	1,066

more prevalent among females (56 percent) than among males (44 percent). Pneumonia was recorded on 67 (85 percent) of the death certificates.

(Reported by Melvin H. Goodwin, Jr., Ph.D., Director, Division of Preventive Medical Services, Arizona State Department of Health.)

Table 4
Measles Deaths in Arizona by Age, Race and Sex, 1960-1967

Age Group (years)	White			Indian			Other			All Races		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Under 5	10	14	24	19	26	45	2	0	2	31	40	71
5 & older	2	3	5	2	1	3	0	0	0	4	4	8
All ages	12	17	29	21	27	48	2	0	2	35	44	79

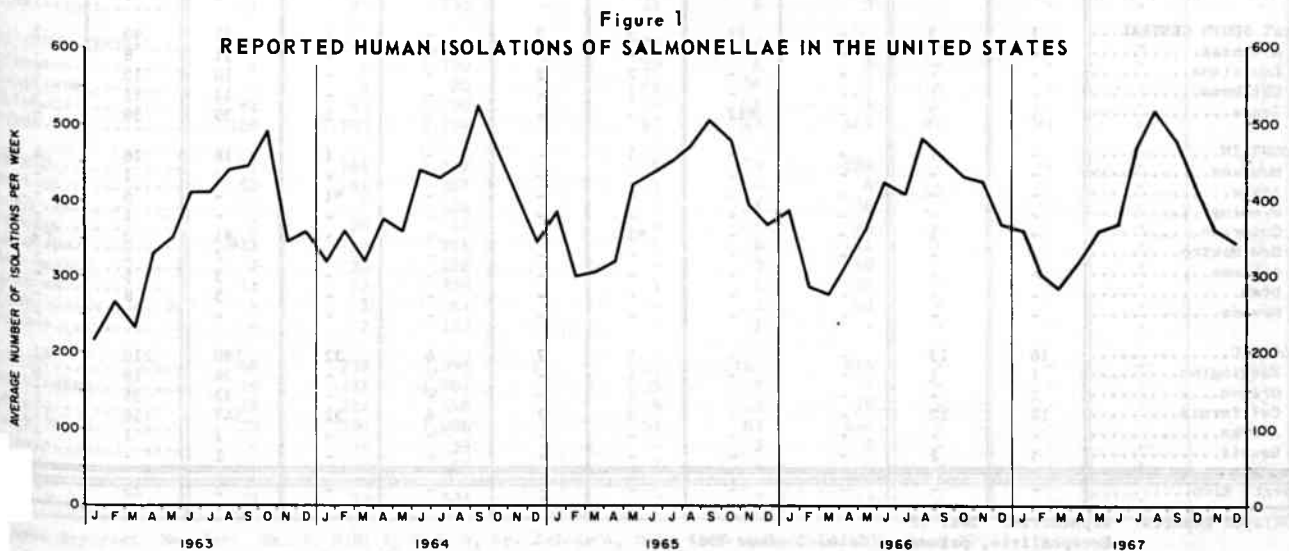
SURVEILLANCE SUMMARY
SALMONELLOSIS - October, November, and December 1967

For the months of October, November, and December 1967, the total numbers of salmonellae isolations from humans were 1,667, 1,805, and 1,366, respectively. The weekly averages for the 3 months (417, 361, and 342) demonstrate the expected seasonal pattern (Figure 1). In Table 5, the seven most frequently reported serotypes from human sources are listed.

In October, reports from 29 states and regional laboratories of the U.S. Department of Agriculture reported

472 nonhuman isolations represented by 54 serotypes. The total number of nonhuman isolations increased to 943 in November representing 75 different serotypes. In December, the nonhuman isolations decreased to 797 isolations with 60 different serotypes. The seven most commonly reported nonhuman serotypes are listed in Table 6.

(See page 84 for Tables 5 and 6)



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TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED
MARCH 2, 1968 and MARCH 4, 1967 (9th WEEK)

AREA	ASEPTIC MENINGITIS		BRUCELLOSIS	DIPHTHERIA	ENCEPHALITIS			HEPATITIS		MALARIA	
	1968	1967			Primary including unsp. cases	Post-Infectious	Serum	Infectious			
								1968	1967		1968
UNITED STATES...	30	22	1	14	19	21	13	58	785	822	51
NEW ENGLAND.....	-	-	-	-	-	5	-	1	25	31	-
Maine.....	-	-	-	-	-	1	-	-	*2	3	-
New Hampshire.....	-	-	-	-	-	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-	-	-	-	2	-
Massachusetts.....	-	-	-	-	-	1	-	-	10	20	-
Rhode Island.....	-	-	-	-	-	2	-	1	11	2	-
Connecticut.....	-	-	-	-	-	1	-	-	2	4	-
MIDDLE ATLANTIC.....	4	1	-	-	4	3	2	17	129	147	5
New York City.....	-	1	-	-	4	1	-	9	30	41	-
New York, up-State.....	2	-	-	-	-	1	*-	2	26	31	-
New Jersey.....	-	-	-	-	-	-	-	5	35	26	4
Pennsylvania.....	2	-	-	-	-	1	2	1	38	49	1
EAST NORTH CENTRAL...	5	1	-	-	5	1	3	-	161	125	1
Ohio.....	2	1	-	-	1	1	-	-	59	17	-
Indiana.....	-	-	-	-	1	-	-	-	8	27	-
Illinois.....	2	-	-	-	-	-	-	-	42	25	1
Michigan.....	1	-	-	-	3	-	3	-	31	44	-
Wisconsin.....	-	-	-	-	-	-	-	-	21	12	-
WEST NORTH CENTRAL...	-	-	1	-	-	1	1	1	66	59	-
Minnesota.....	-	-	-	-	-	-	1	1	14	8	-
Iowa.....	-	-	1	-	-	-	-	-	9	8	-
Missouri.....	-	-	-	-	-	-	-	-	37	42	-
North Dakota.....	-	-	-	-	-	-	-	-	-	-	-
South Dakota.....	-	-	-	-	-	1	-	-	-	1	-
Nebraska.....	-	-	-	-	-	-	-	-	2	-	-
Kansas.....	-	-	-	-	-	-	-	-	4	-	-
SOUTH ATLANTIC.....	4	2	-	2	1	2	1	4	67	64	17
Delaware.....	-	-	-	-	-	-	-	-	1	2	-
Maryland.....	1	-	-	-	1	-	-	2	*13	20	1
Dist. of Columbia..	1	-	-	-	-	-	-	1	4	1	-
Virginia.....	-	-	-	-	-	1	-	1	7	7	-
West Virginia.....	1	1	-	-	-	-	-	-	11	-	-
North Carolina.....	-	1	-	-	-	1	-	-	7	11	7
South Carolina.....	-	-	-	-	-	-	-	-	-	2	-
Georgia.....	-	-	-	2	-	-	1	-	10	7	9
Florida.....	1	-	-	-	-	-	-	-	14	14	-
EAST SOUTH CENTRAL...	-	1	-	-	-	-	-	1	58	70	1
Kentucky.....	-	-	-	-	-	-	-	-	17	40	*-
Tennessee.....	-	-	-	-	-	-	-	1	31	17	-
Alabama.....	-	1	-	-	-	-	-	-	3	6	-
Mississippi.....	-	-	-	-	-	-	-	-	7	7	1
WEST SOUTH CENTRAL...	1	3	-	12	3	2	-	1	71	90	2
Arkansas.....	-	-	-	-	-	-	-	-	11	8	-
Louisiana.....	-	-	-	-	2	2	-	-	10	12	2
Oklahoma.....	-	1	-	-	1	-	-	-	11	11	-
Texas.....	1	2	-	*12	-	-	-	1	39	59	-
MOUNTAIN.....	-	1	-	-	1	-	-	1	18	26	4
Montana.....	-	-	-	-	-	-	-	-	2	1	-
Idaho.....	-	-	-	-	-	-	-	-	-	6	-
Wyoming.....	-	-	-	-	-	-	-	*1	-	1	-
Colorado.....	-	1	-	-	*1	-	-	-	*1	3	*4
New Mexico.....	-	-	-	-	-	-	-	-	7	2	-
Arizona.....	-	-	-	-	-	-	-	-	3	5	-
Utah.....	-	-	-	-	-	-	-	-	5	8	-
Nevada.....	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	16	13	-	-	5	7	6	32	190	210	21
Washington.....	1	1	-	-	1	-	-	-	24	18	6
Oregon.....	2	-	-	-	1	-	-	-	17	35	1
California.....	10	10	-	-	3	7	6	32	147	156	11
Alaska.....	-	-	-	-	-	-	-	-	1	1	-
Hawaii.....	3	2	-	-	-	-	-	-	1	-	3
Puerto Rico.....	-	-	-	-	-	-	-	-	7	25	-

*Delayed Reports: Diphtheria: Tex. 12
 Encephalitis, primary: Colo. 2 cases 1967
 Encephalitis, post-infectious: N.Y. Upstate 1 case 1967
 Hepatitis, serum: Ida. 1
 Hepatitis, infectious: Me. 1, Md. 5 cases 1967, Colo. 31 cases 1967
 Malaria: Ky. delete 1 case 1967, Colo. 10 cases 1967

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
MARCH 2, 1968 and MARCH 4, 1967 (9th WEEK) - CONTINUED

AREA	MEASLES (Rubeola)			MENINGOCOCCAL INFECTIONS, TOTAL			MUMPS	POLIOMYELITIS			RUBELLA	
	1968	Cumulative		1968	Cumulative			1968	Total	Paralytic		
		1968	1967		1968	1967				1968		Cum. 1968
UNITED STATES...	736	4,859	18,885	69	735	526	5,041	1	1	4	1,221	
NEW ENGLAND.....	22	209	202	1	36	18	170	-	-	-	144	
Maine.....	*2	9	24	-	2	1	*38	-	-	-	*24	
New Hampshire.....	*1	29	52	-	2	1	9	-	-	-	3	
Vermont.....	-	5	20	-	1	-	23	-	-	-	5	
Massachusetts.....	12	108	66	1	17	6	-	-	-	-	57	
Rhode Island.....	-	1	20	-	4	-	21	-	-	-	-	
Connecticut.....	7	57	20	-	10	10	79	-	-	-	55	
MIDDLE ATLANTIC.....	143	616	638	19	110	70	213	-	-	-	123	
New York City.....	20	111	98	7	37	12	103	-	-	-	53	
New York, Up-State.....	95	344	154	3	9	20	NN	-	-	-	23	
New Jersey.....	*26	114	172	3	29	29	110	-	-	-	46	
Pennsylvania.....	2	47	214	6	35	9	NN	-	-	-	1	
EAST NORTH CENTRAL...	169	1,308	1,496	4	70	48	1,799	-	-	-	257	
Ohio.....	3	101	244	-	17	17	71	-	-	-	42	
Indiana.....	40	206	189	-	10	5	185	-	-	-	35	
Illinois.....	72	598	174	1	12	9	213	-	-	-	38	
Michigan.....	15	85	324	1	23	12	772	-	-	-	71	
Wisconsin.....	39	318	565	2	8	5	558	-	-	-	71	
WEST NORTH CENTRAL...	4	110	806	1	30	27	612	-	-	-	109	
Minnesota.....	-	2	29	1	6	5	66	-	-	-	4	
Iowa.....	-	37	155	-	3	3	399	-	-	-	85	
Missouri.....	-	6	15	-	4	8	23	*-	*-	-	2	
North Dakota.....	3	44	298	-	1	-	32	-	-	-	9	
South Dakota.....	-	3	16	-	3	4	NN	-	-	-	-	
Nebraska.....	1	11	293	-	1	6	15	-	-	-	-	
Kansas.....	-	7	NN	-	12	1	77	-	-	-	9	
SOUTH ATLANTIC.....	50	374	1,846	13	163	104	231	-	-	-	66	
Delaware.....	2	2	16	-	-	4	12	-	-	-	2	
Maryland.....	2	30	37	1	10	14	23	-	-	-	13	
Dist. of Columbia..	-	4	6	2	5	-	9	-	-	-	-	
Virginia.....	6	64	470	-	12	11	31	-	-	-	16	
West Virginia.....	30	109	412	-	3	11	89	-	-	-	13	
North Carolina.....	1	38	446	5	39	25	NN	-	-	-	-	
South Carolina.....	1	14	30	2	35	7	7	-	-	-	8	
Georgia.....	1	3	9	2	21	11	-	-	-	-	-	
Florida.....	7	110	420	1	38	21	60	-	-	-	14	
EAST SOUTH CENTRAL...	4	92	2,397	6	58	57	760	-	-	-	81	
Kentucky.....	*3	38	846	4	22	16	*549	-	-	-	17	
Tennessee.....	-	15	732	-	14	26	178	-	-	-	33	
Alabama.....	-	19	386	2	11	9	30	-	-	-	31	
Mississippi.....	1	20	433	-	11	6	3	-	-	-	-	
WEST SOUTH CENTRAL...	189	1,147	6,984	8	177	87	446	1	1	4	66	
Arkansas.....	-	-	1,100	1	10	4	1	-	-	-	-	
Louisiana.....	-	1	30	1	42	36	1	-	-	-	3	
Oklahoma.....	*1	43	2,100	3	38	4	1	-	-	-	7	
Texas.....	188	1,103	3,754	3	87	43	443	*1	*1	4	56	
MOUNTAIN.....	87	264	1,117	2	8	13	334	-	-	-	111	
Montana.....	52	61	167	-	1	-	6	-	-	-	4	
Idaho.....	-	7	126	-	2	1	36	-	-	-	*-	
Wyoming.....	2	28	12	-	-	-	33	-	-	-	1	
Colorado.....	*11	82	226	2	4	6	111	-	-	-	38	
New Mexico.....	7	30	176	-	-	3	60	-	-	-	6	
Arizona.....	15	53	226	-	1	1	59	-	-	-	45	
Utah.....	-	1	61	-	-	1	29	-	-	-	17	
Nevada.....	-	2	123	-	-	1	-	-	-	-	-	
PACIFIC.....	68	739	3,399	15	83	102	476	-	-	-	264	
Washington.....	26	231	1,761	3	15	7	-	-	-	-	156	
Oregon.....	19	182	448	4	9	10	19	-	-	-	12	
California.....	23	306	1,086	8	57	83	449	-	-	-	83	
Alaska.....	-	-	59	-	-	2	8	-	-	-	3	
Hawaii.....	-	20	45	-	2	-	-	-	-	-	10	
Puerto Rico.....	17	72	503	6	12	7	13	-	-	-	1	

*Delayed Reports: Measles: Me. 1, N.H. 1, N.J. r, Ky. delete 4, Okla. delete 5, Colo. 136 cases 1967
Mumps: Me. 25, Ky. 303
Poliomyelitis paralytic: Mo. 1 case 1967, Tex. 1
Rubella: Me. 7, Okla. 5, Ida. delete 1

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TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
MARCH 2, 1968 and MARCH 4, 1967 (9th WEEK) - CONTINUED

AREA	STREPTOCOCCAL SORE THROAT & SCARLET FEVER	TETANUS		TULAREMIA		TYPHOID		TYPHUS FEVER TICK-BORNE (Rky. Mt. Spotted)		RABIES IN ANIMALS	
		1968	1968	Cum. 1968	1968	Cum. 1968	1968	Cum. 1968	1968	Cum. 1968	1968
UNITED STATES...	11,589	2	15	1	15	4	30	-	3	70	627
NEW ENGLAND.....	1,679	-	-	-	-	-	2	-	-	1	12
Maine.....	*18	-	-	-	-	-	-	-	-	1	12
New Hampshire.....	34	-	-	-	-	-	-	-	-	-	-
Vermont.....	49	-	-	-	-	-	-	-	-	-	-
Massachusetts.....	286	-	-	-	-	-	1	-	-	-	-
Rhode Island.....	109	-	-	-	-	-	-	-	-	-	-
Connecticut.....	1,183	-	-	-	-	-	1	-	-	-	-
MIDDLE ATLANTIC.....	629	-	5	-	-	-	5	-	-	2	6
New York City.....	34	-	3	-	-	-	4	-	-	-	-
New York, Up-State.....	505	-	2	-	-	-	1	-	-	1	4
New Jersey.....	NN	-	-	-	-	-	-	-	-	-	-
Pennsylvania.....	90	-	-	-	-	-	-	-	-	1	2
EAST NORTH CENTRAL...	1,460	-	2	1	3	-	4	-	-	2	37
Ohio.....	282	-	-	1	1	-	4	-	-	1	19
Indiana.....	322	-	-	-	-	-	-	-	-	1	7
Illinois.....	306	-	1	-	1	-	-	-	-	-	4
Michigan.....	309	-	1	-	1	-	-	-	-	-	3
Wisconsin.....	241	-	-	-	-	-	-	-	-	-	4
WEST NORTH CENTRAL...	458	-	1	-	4	-	2	-	-	13	124
Minnesota.....	24	-	-	-	-	-	-	-	-	6	33
Iowa.....	265	-	-	-	-	-	-	-	-	3	31
Missouri.....	11	-	1	-	2	-	2	-	-	2	29
North Dakota.....	93	-	-	-	-	-	-	-	-	1	20
South Dakota.....	45	-	-	-	1	-	-	-	-	-	-
Nebraska.....	3	-	-	-	-	-	-	-	-	-	5
Kansas.....	17	-	-	-	1	-	-	-	-	1	6
SOUTH ATLANTIC.....	1,187	1	2	-	3	2	6	-	2	9	76
Delaware.....	7	-	-	-	-	-	-	-	-	-	-
Maryland.....	*380	-	-	-	-	-	1	-	-	1	2
Dist. of Columbia..	11	-	-	-	-	-	-	-	-	-	-
Virginia.....	329	-	1	-	-	-	1	-	2	7	42
West Virginia.....	236	-	-	-	-	-	-	-	-	-	8
North Carolina.....	33	1	1	-	2	-	1	-	-	-	2
South Carolina.....	10	-	-	-	-	-	-	-	-	-	-
Georgia.....	16	-	-	-	1	-	1	-	-	-	5
Florida.....	165	-	-	-	-	2	2	-	-	1	17
EAST SOUTH CENTRAL...	1,841	-	1	-	3	2	6	-	1	29	211
Kentucky.....	93	-	-	-	1	1	1	-	-	17	93
Tennessee.....	1,377	-	-	-	2	-	4	-	-	10	108
Alabama.....	210	-	1	-	-	-	-	-	-	2	10
Mississippi.....	161	-	-	-	-	1	1	-	1	-	-
WEST SOUTH CENTRAL...	1,036	-	1	-	-	-	2	-	-	11	121
Arkansas.....	23	-	-	-	-	-	-	-	-	1	10
Louisiana.....	4	-	-	-	-	-	1	-	-	2	18
Oklahoma.....	103	-	-	-	-	-	1	-	-	3	36
Texas.....	906	-	1	-	-	-	-	-	-	5	57
MOUNTAIN.....	2,197	-	-	-	2	-	-	-	-	1	7
Montana.....	52	-	-	-	-	-	-	-	-	-	-
Idaho.....	*356	-	-	-	-	-	-	-	-	-	-
Wyoming.....	*354	-	-	-	-	-	-	-	-	-	-
Colorado.....	*879	-	-	1	-	-	-	*	-	*1	1
New Mexico.....	305	-	-	-	-	-	-	-	-	-	1
Arizona.....	107	-	-	-	-	-	-	-	-	-	5
Utah.....	124	-	-	-	1	-	-	-	-	-	-
Nevada.....	20	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	1,102	1	3	-	-	-	3	-	-	2	33
Washington.....	380	-	-	-	-	-	-	-	-	-	-
Oregon.....	214	-	-	-	-	-	-	-	-	-	-
California.....	392	1	3	-	-	-	3	-	-	2	33
Alaska.....	34	-	-	-	-	-	-	-	-	-	-
Hawaii.....	82	-	-	-	-	-	-	-	-	-	-
Puerto Rico.....	5	-	-	-	-	-	-	-	-	2	5

*Delayed Reports: SST: Me. 3, Md. 66 cases 1967, Ida. 233, Wyo. 211, Colo. 715 cases 1967
Rk. Mt. Sp. Fever: Colo. 1 case 1967
Rabies in Animals: Wyo. 1

Morbidity and Mortality Weekly Report

Week No.
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TABLE IV. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED MARCH 2, 1968

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

Area	All Causes		Pneumonia and Influenza All Ages	Under 1 year All Causes	Area	All Causes		Pneumonia and Influenza All Ages	Under 1 year All Causes
	All Ages	65 years and over				All Ages	65 years and over		
NEW ENGLAND:	737	462	47	35	SOUTH ATLANTIC:	1,415	791	64	73
Boston, Mass.-----	240	131	25	18	Atlanta, Ga.-----	122	63	5	5
Bridgeport, Conn.-----	48	34	3	1	Baltimore, Md.-----	319	171	13	16
Cambridge, Mass.-----	29	21	-	1	Charlotte, N. C.-----	66	34	1	2
Fall River, Mass.-----	35	22	1	1	Jacksonville, Fla.-----	114	74	4	5
Hartford, Conn.-----	51	31	-	4	Miami, Fla.-----	114	71	3	7
Lowell, Mass.-----	30	18	2	1	Norfolk, Va.-----	65	35	14	2
Lynn, Mass.-----	24	16	1	-	Richmond, Va.-----	96	44	1	10
New Bedford, Mass.-----	26	19	-	1	Savannah, Ga.-----	55	33	7	3
New Haven, Conn.-----	52	32	2	3	St. Petersburg, Fla.-----	94	70	6	-
Providence, R. I.-----	53	33	3	2	Tampa, Fla.-----	105	64	4	4
Somerville, Mass.-----	14	11	1	-	Washington, D. C.-----	204	98	3	16
Springfield, Mass.-----	45	29	4	-	Wilmington, Del.-----	61	34	3	3
Waterbury, Conn.-----	28	12	-	2	EAST SOUTH CENTRAL:	766	415	43	37
Worcester, Mass.-----	62	53	5	1	Birmingham, Ala.-----	114	55	2	5
MIDDLE ATLANTIC:	3,710	2,208	159	167	Chattanooga, Tenn.-----	61	34	5	-
Albany, N. Y.-----	52	29	3	4	Knoxville, Tenn.-----	51	31	3	1
Allentown, Pa.-----	43	25	2	1	Louisville, Ky.-----	140	84	18	7
Buffalo, N. Y.-----	162	100	2	6	Memphis, Tenn.-----	179	97	6	17
Camden, N. J.-----	42	22	2	1	Mobile, Ala.-----	51	26	3	1
Elizabeth, N. J.-----	33	18	1	1	Montgomery, Ala.-----	64	34	4	4
Erie, Pa.-----	44	29	3	1	Nashville, Tenn.-----	106	54	2	2
Jersey City, N. J.-----	83	51	9	1	WEST SOUTH CENTRAL:	1,311	720	57	76
Newark, N. J.-----	100	32	13	21	Austin, Tex.-----	28	22	2	1
New York City, N. Y.-----	1,943	1,165	81	86	Baton Rouge, La.-----	32	19	1	2
Paterson, N. J.-----	41	25	5	3	Corpus Christi, Tex.-----	40	20	1	3
Philadelphia, Pa.-----	512	290	4	16	Dallas, Tex.-----	172	91	4	7
Pittsburgh, Pa.-----	227	128	8	8	El Paso, Tex.-----	48	34	4	2
Reading, Pa.-----	53	39	6	-	Fort Worth, Tex.-----	85	48	3	8
Rochester, N. Y.-----	101	70	4	2	Houston, Tex.-----	277	136	14	16
Schenectady, N. Y.-----	27	20	2	1	Little Rock, Ark.-----	60	40	3	1
Scranton, Pa.-----	60	42	6	2	New Orleans, La.-----	175	83	8	14
Syracuse, N. Y.-----	74	41	1	8	Oklahoma City, Okla.-----	97	54	2	7
Trenton, N. J.-----	48	31	4	3	San Antonio, Tex.-----	134	85	5	9
Utica, N. Y.-----	36	31	1	1	Shreveport, La.-----	62	35	4	-
Yonkers, N. Y.-----	29	20	2	1	Tulsa, Okla.-----	101	53	6	6
EAST NORTH CENTRAL:	2,827	1,619	104	144	MOUNTAIN:	509	283	30	31
Akron, Ohio-----	78	42	-	5	Albuquerque, N. Mex.-----	42	19	4	2
Canton, Ohio-----	36	23	7	-	Colorado Springs, Colo.-----	29	16	4	4
Chicago, Ill.-----	823	461	41	52	Denver, Colo.-----	158	94	11	8
Cincinnati, Ohio-----	208	138	12	8	Ogden, Utah-----	18	13	1	2
Cleveland, Ohio-----	224	124	3	11	Phoenix, Ariz.-----	115	62	6	8
Columbus, Ohio-----	132	71	3	6	Pueblo, Colo.-----	29	19	2	-
Dayton, Ohio-----	90	55	1	2	Salt Lake City, Utah-----	56	27	-	2
Detroit, Mich.-----	371	193	6	9	Tucson, Ariz.-----	62	33	2	5
Evansville, Ind.-----	49	29	2	3	PACIFIC:	1,865	1,173	59	69
Flint, Mich.-----	53	28	1	7	Berkeley, Calif.-----	28	20	-	1
Fort Wayne, Ind.-----	44	23	3	6	Fresno, Calif.-----	49	23	1	2
Gary, Ind.-----	12	8	2	1	Glendale, Calif.-----	34	23	2	1
Grand Rapids, Mich.-----	57	39	6	3	Honolulu, Hawaii-----	57	35	2	1
Indianapolis, Ind.-----	173	95	2	9	Long Beach, Calif.-----	77	54	1	3
Madison, Wis.-----	32	12	-	3	Los Angeles, Calif.-----	575	360	19	21
Milwaukee, Wis.-----	141	88	3	4	Oakland, Calif.-----	117	73	1	11
Peoria, Ill.-----	51	24	2	4	Pasadena, Calif.-----	57	33	3	-
Rockford, Ill.-----	22	12	1	1	Portland, Oreg.-----	140	94	2	5
South Bend, Ind.-----	46	33	3	2	Sacramento, Calif.-----	67	48	1	1
Toledo, Ohio-----	130	82	5	4	San Diego, Calif.-----	104	61	3	6
Youngstown, Ohio-----	55	39	1	4	San Francisco, Calif.-----	224	122	9	7
WEST NORTH CENTRAL:	914	608	35	33	San Jose, Calif.-----	46	27	1	2
Des Moines, Iowa-----	76	50	3	2	Seattle, Wash.-----	168	112	10	5
Duluth, Minn.-----	22	21	1	-	Spokane, Wash.-----	54	41	3	2
Kansas City, Kans.-----	28	16	6	1	Tacoma, Wash.-----	68	47	1	1
Kansas City, Mo.-----	153	106	1	7	Total	14,054	8,279	598	665
Lincoln, Nebr.-----	45	33	3	-	Cumulative Totals				
Minneapolis, Minn.-----	133	87	2	9	including reported corrections for previous weeks				
Omaha, Nebr.-----	53	34	2	1	All Causes, All Ages -----	128,661			
St. Louis, Mo.-----	287	187	10	7	All Causes, Age 65 and over-----	77,149			
St. Paul, Minn.-----	74	52	4	3	Pneumonia and Influenza, All Ages-----	7,394			
Wichita, Kans.-----	43	22	3	3	All Causes, Under 1 Year of Age-----	5,556			

*Estimate - based on average percent of divisional total.

SALMONELLOSIS - (Continued from page 79)

Table 5

Summary of Seven Most Frequently Reported Serotypes from Humans for October, November, and December 1967

Serotypes	Rank	Number	Percent
<i>S. typhi-murium</i> and <i>S. typhi-murium</i> var. <i>copenhagen</i>	1	1,421	29.4
<i>S. newport</i>	2	332	6.9
<i>S. enteritidis</i>	3	328	6.8
<i>S. heidelberg</i>	4	327	6.8
<i>S. saint-paul</i>	5	291	6.0
<i>S. infantis</i>	6	264	5.5
<i>S. typhi</i>	7	109	2.3
Total		3,072	63.5
Total all serotypes		4,838	100.0

Table 6

Summary of Seven Most Frequently Reported Serotypes from Nonhumans for October, November, and December 1967

Serotypes	Rank	Number	Percent
<i>S. typhi-murium</i> and <i>typhi-murium</i> var. <i>copenhagen</i>	1	261	11.8
<i>S. anatum</i>	2	177	8.0
<i>S. infantis</i>	3	149	6.7
<i>S. heidelberg</i>	4	119	5.4
<i>S. oranienburg</i>	5	86	3.9
<i>S. saint-paul</i>	6	83	3.8
<i>S. eimsbuettel</i>	7	62	2.8
Total		937	42.4
Total all serotypes		2,212	100.0

(Reported by the Salmonellosis Unit, Bacterial Diseases Section, Epidemiology Program, NCDC.)

INTERNATIONAL NOTES
QUARANTINE MEASURES

Additional Immunization Information for International Travel, 1967-68 edition, Public Health Service Publication No. 384

AFRICA

Central African Republic - Page 27

Under yellow fever, delete all previous information.

Nigeria - Page 32

Delete all information concerning cholera.

Somaliland (French) - Page 34

Delete Somaliland (French), and insert: French Territory of the Afars and the Issas (formerly Somaliland, French). Note: The smallpox and cholera immunization requirements remain the same; however, under yellow fever, after the words 1 year of age and over, add: No certificate required on arrival at Jibuti.

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ATTN: THE EDITOR
MORBIDITY AND MORTALITY WEEKLY REPORT

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