



Morbidity and Mortality

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE / PUBLIC HEALTH SERVICE HEALTH SERVICES AND MENTAL HEALTH ADMINISTRATION
DATE OF RELEASE: MARCH 27, 1970 - ATLANTA, GEORGIA 30333

SURVEILLANCE SUMMARY

MEASLES - United States, Epidemiologic Year 1968-69

A total of 23,482 cases of measles were reported in the United States during epidemiologic year (EY)* 1968-69, for an overall case rate of 11.7 cases per 100,000 population. Although this annual total was essentially unchanged from the total for the previous year (23,882), the monthly totals reported between March and October 1969 consistently exceeded the level of the previous year (Figure 1).

In addition, there was an overall increase of 865 cases in the United States for the months between January and October 1969 over the corresponding period in 1968. Twenty-four states had increases and 25 states had decreases for this period compared with the previous year (Figure 2). Three of the nine major geographic divisions of the United States were mainly responsible for the increase (Table 1):

*The measles epidemiologic year begins with calendar week 41 and ends with week 40 of the following year.

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(1) the Middle Atlantic states showed an 82 percent increase, due mainly to marked increases in New York City and Pennsylvania; (2) the West North Central states had a 50 percent increase with a great number of cases in Iowa and Nebraska; and (3) the South Atlantic states had a 70 percent increase with greater reporting from Delaware, Virginia, and South Carolina.

(Continued on page 114)

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

DISEASE	11th WEEK ENDED		MEDIAN 1965 - 1969	CUMULATIVE, FIRST 11 WEEKS		
	March 21, 1970	March 15, 1969		1970	1969	MEDIAN 1965 - 1969
Aseptic meningitis	30	25	34	315	318	308
Brucellosis	6	1	2	30	18	40
Diphtheria	1	7	2	84	29	29
Encephalitis, primary:						
Arthropod-borne & unspecified	22	19	22	212	219	239
Encephalitis, post-infectious	10	7	20	75	48	131
Hepatitis, serum	138	107	859	1,357	1,089	9,045
Hepatitis, infectious	1,022	1,187		11,884	9,996	
Malaria	103	51	26	764	493	434
Measles (rubeola)	1,670	795	2,834	12,103	5,092	24,507
Meningococcal infections, total	90	98	93	770	898	898
Civilian	73	91	88	709	840	836
Military	17	7	7	61	58	65
Mumps	2,910	3,034	---	28,366	25,316	---
Poliomyelitis, total	---	---	1	1	1	3
Paralytic	---	---	1	1	1	3
Rubella (German measles)	2,011	1,871	---	15,104	9,509	---
Tetanus	1	1	2	16	19	22
Tularemia	3	1	2	15	23	25
Typhoid fever	6	7	2	50	45	54
Typhus, tick-borne (Rky. Mt. spotted fever)	---	---	---	---	1	6
Rabies in animals	71	86	86	654	770	823

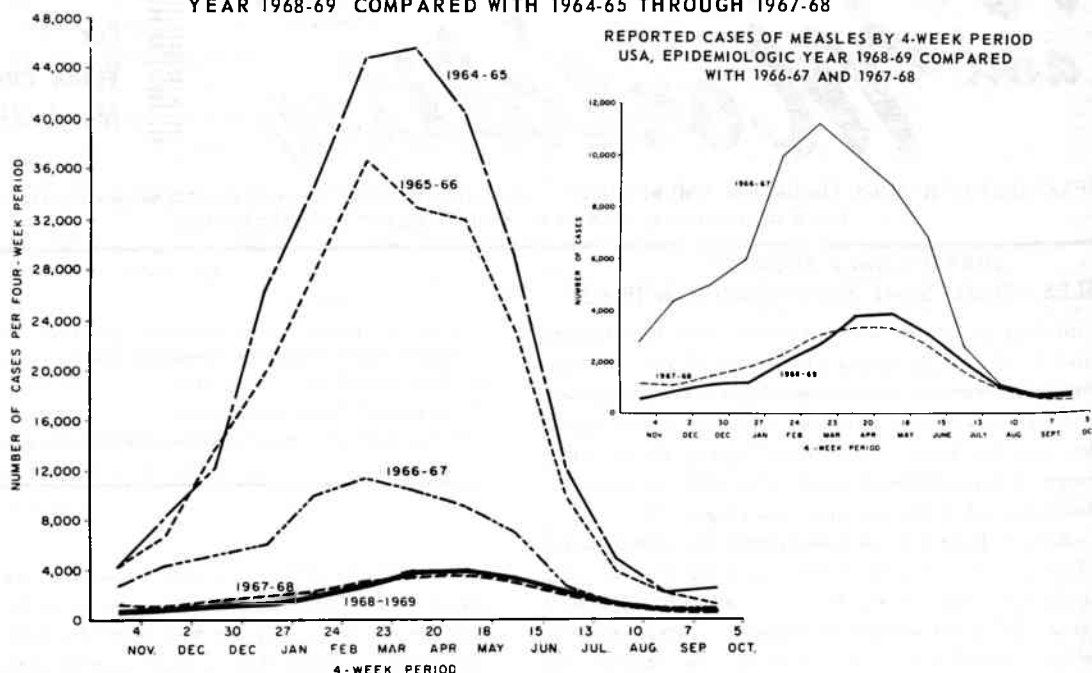
TABLE II. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	1	Psittacosis:	6
Botulism:	1	Rabies in Man:	---
Leprosy:	19	Rubella congenital syndrome: * Calif.-2, Fla.-1	18
Leptospirosis: *	9	Trichinosis: N.J.-2, R.I.-4	18
Plague:	---	Typhus, murine:	1

*Delayed Reports: Leptospirosis: Tex. 1(1969)
Rubella cong. synd: Md. 1(1969)

MEASLES - (Continued from front page)

Figure 1
REPORTED MEASLES BY 4-WEEK PERIOD, USA, EPIDEMIOLOGIC
YEAR 1968-69 COMPARED WITH 1964-65 THROUGH 1967-68



A copy of the report from which these data were derived is available on request from

National Communicable Disease Center
Attn: Chief, Field Services Branch,
Epidemiology Program
Atlanta, Georgia 30333

Figure 2
STATES SHOWING PERCENT INCREASE OR DECREASE FOR
EPIDEMIOLOGIC YEAR OCT. 6, 1968-OCT. 4, 1969, OVER
EPIDEMIOLOGIC YEAR OCT. 8, 1967-OCT. 5, 1968



(Reported by the Field Services Branch and Statistical Services Activity, Epidemiology Program, NCDC.)

EPIDEMIOLOGIC NOTES AND REPORTS OUTBREAK OF INFECTIOUS SYPHILIS - California

On Feb. 4, 1970, a driver for an interstate trucking firm sought and received an examination at the Sacramento County (Calif.) Health Department; a diagnosis of Primary Syphilis was made.

In the contact interview he named his wife, living in Nebraska, and a prostitute in another part of California. The wife has been examined and is free of syphilis.

The prostitute was quite difficult to locate. It was only after a restaurant manager furnished her auto license number, which was checked through the State registration files, that she was found.

On February 17 this contact was examined in the Riverside (Calif.) Health Department Clinic. A diagnosis of Secondary Syphilis was made, based on clinical evidence and a reactive serologic test (VDRL 1:512). In the

contact interview, this patient was able to produce from her diary the names of 310 sexual partners during the time when she could have acquired or spread the infection. Her contacts reside in 34 states, Canada, and Mexico. A coordinated effort to locate contacts is underway.

(Reported by Philip K. Condit, M.D., M.P.H., Chief, Bureau of Communicable Disease Control, California State Department of Public Health; Harold M. Erickson, M.D., Health Officer, Riverside County Health Department; James T. Harrison, M.D., Health Officer, Sacramento County Health Department; Russell J. Murray, Director, Division of Communicable Diseases, Nebraska State Department of Health; and the Venereal Disease Branch, State and Community Services Division, NCDC.)

Table 1
Reported Cases of Measles, by Geographic Division, United States
First 40 Weeks in 1969 and Comparable Periods in 1967 and 1968

DIVISION	Total 24 Weeks Dec. 31, 1968 through June 24, 1969	Number Cases Per Four-Week Period Ended*				Total 40 Weeks Dec. 31, 1968 through Oct. 4, 1969	Comparable 40 Weeks Total		1969 Decrease (Increase) from 1968	1968 Decrease (Increase) from 1967
		July 12 1969	Aug. 9 1969	Sept. 6 1969	Oct. 4 1969		1968	1967		
UNITED STATES	16,635	2,085	949	589	618	20,865	20,000	58,445	(865)	38,445
NEW ENGLAND	823	164	81	33	17	1,118	1,163	860	45	(303)
Maine	5	—	3	—	1	9	38	242	29	204
New Hampshire	226	10	2	—	1	239	141	74	(98)	(67)
Vermont	2	—	1	—	—	3	2	34	(1)	32
Massachusetts	143	30	29	11	7	220	362	357	142	(5)
Rhode Island	18	4	—	1	4	27	6	62	(21)	56
Connecticut	429	120	46	21	4	620	614	91	(6)	(523)
MIDDLE ATLANTIC	6,142	911	289	143	63	7,548	4,130	2,302	(3,418)	(1,828)
New York City	4,187	485	172	61	24	4,929	2,163	472	(2,766)	(1,691)
New York, Upstate	507	59	20	10	6	602	1,227	594	625	(633)
New Jersey	711	124	26	35	23	919	626	490	(293)	(136)
Pennsylvania	737	243	71	37	10	1,098	114	746	(984)	632
EAST NORTH CENTRAL	1,691	221	147	121	133	2,313	3,859	5,575	1,546	1,716
Ohio	284	60	17	14	15	390	297	1,152	(93)	855
Indiana	449	4	12	1	1	467	685	602	218	(83)
Illinois	337	68	58	32	67	562	1,378	998	816	(380)
Michigan	161	46	23	43	27	300	277	943	(23)	666
Wisconsin	460	43	37	31	23	594	1,222	1,880	628	658
WEST NORTH CENTRAL	471	18	22	14	63	588	390	2,884	(198)	2,494
Minnesota	3	2	—	2	1	8	16	134	8	118
Iowa	315	9	4	2	2	332	102	750	(230)	648
Missouri	16	—	6	4	4	30	81	337	51	256
North Dakota	7	2	2	3	1	15	135	872	120	737
South Dakota	1	2	—	—	—	3	4	55	1	51
Nebraska	125	3	7	3	55	193	42	642	(151)	600
Kansas	4	—	3	—	—	7	10	94	3	84
SOUTH ATLANTIC	2,158	199	74	59	77	2,567	1,522	6,935	(1,045)	5,413
Delaware	325	44	4	—	20	393	16	49	(377)	33
Maryland	33	30	2	10	2	77	102	163	25	61
District of Columbia	—	—	—	—	25	25	6	23	(19)	17
Virginia	824	30	28	1	1	884	299	2,197	(585)	1,898
West Virginia	159	5	15	14	16	209	292	1,398	83	1,106
North Carolina	237	62	9	7	1	316	282	861	(34)	579
South Carolina	102	6	2	6	7	123	12	511	(111)	499
Georgia	1	—	—	1	—	2	4	36	2	32
Florida	477	22	14	20	5	538	509	1,697	(29)	1,188
EAST SOUTH CENTRAL	87	13	6	1	6	113	496	5,230	383	4,734
Kentucky	50	9	3	1	3	66	100	1,340	34	1,240
Tennessee	15	2	—	—	—	17	62	1,893	45	1,831
Alabama	1	2	1	—	2	6	94	1,329	88	1,235
Mississippi	21	—	2	—	1	24	240	668	216	428
WEST SOUTH CENTRAL	3,803	338	216	139	137	4,633	4,864	17,538	231	12,674
Arkansas	16	—	—	—	—	16	2	1,404	(14)	1,402
Louisiana	118	2	—	—	—	120	24	155	(96)	131
Oklahoma	125	10	1	—	6	142	123	3,351	(19)	3,228
Texas	3,544	326	215	139	131	4,355	4,715	12,628	360	7,913
MOUNTAIN	585	146	70	51	65	917	1,007	4,705	90	3,698
Montana	10	5	1	1	18	35	58	296	23	238
Idaho	54	34	1	—	—	89	21	389	(68)	368
Wyoming	—	—	—	—	—	—	52	181	52	129
Colorado	112	3	21	4	1	141	515	1,577	374	1,062
New Mexico	185	32	24	4	19	264	113	591	(151)	478
Arizona	220	69	21	41	26	377	222	1,020	(155)	798
Utah	3	3	2	1	1	10	21	382	11	361
Nevada	1	—	—	—	—	1	5	269	4	264
PACIFIC	875	75	44	28	46	1,068	2,569	12,416	1,501	9,847
Washington	54	3	1	1	2	61	540	5,478	479	4,938
Oregon	178	13	7	—	1	199	530	1,630	331	1,100
California	615	52	28	24	39	758	1,455	4,995	697	3,540
Alaska	8	—	—	—	1	9	9	140	—	131
Hawaii	20	7	8	3	3	41	35	173	(6)	138
Puerto Rico	862	302	197	87	129	1,577	424	2,133	(1,153)	1,709

*Includes revisions through October, 1969.

SURVEILLANCE SUMMARY SALMONELLOSIS – October, November, and December 1969

For October, November, and December 1969, the total numbers of salmonella isolations from humans were 2,424, 1,880, and 2,020, respectively, and the weekly averages for the 3 months were 485, 470, and 404, respectively (Figure 3). The number of human isolations during the quarter increased by 18.0 percent over the comparable quarter in 1968 (MMWR, Vol. 18, No. 6). The 10 most fre-

quently reported salmonella serotypes during the quarter are included in Table 2.

For the same months in 1969, isolations from non-humans were 822, 833, and 1,213, respectively. This was an increase of 82.3 percent over the comparable quarter of the previous year, and reflected more isolations from

(Continued on page 120)

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

MARCH 21, 1970 AND MARCH 15, 1969 (11th WEEK)

AREA	ASEPTIC MENIN- GITIS	BRUCEL- LOSIS	DIPH- THERIA	ENCEPHALITIS			HEPATITIS			MALARIA	
				Primary including unsp. cases		Post In- fectious	Serum	Infectious		1970	Cum. 1970
				1970	1969	1970		1970	1969		
UNITED STATES.....	30	6	1	22	19	10	138	1,022	1,187	103	764
NEW ENGLAND.....	1	-	-	2	-	2	6	125	95	2	28
Maine.....	-	-	-	-	-	-	-	20	14	1	1
New Hampshire.....	-	-	-	-	-	-	-	7	4	-	-
Vermont.....	-	-	-	-	-	-	-	2	3	-	1
Massachusetts.....	1	-	-	2	-	-	2	63	49	-	15
Rhode Island.....	-	-	-	-	-	2	1	22	19	1	5
Connecticut.....	-	-	-	-	-	-	3	11	6	-	6
MIDDLE ATLANTIC.....	2	-	-	-	6	1	46	131	166	8	91
New York City.....	2	-	-	-	5	-	31	24	53	2	18
New York, Up-State.*	-	-	-	-	-	-	5	56	30	-	23
New Jersey.....	-	-	-	-	1	-	3	16	33	4	27
Pennsylvania.....	-	-	-	-	-	1	7	35	50	2	23
EAST NORTH CENTRAL.....	6	-	-	10	1	-	24	175	224	1	41
Ohio.....	4	-	-	8	-	-	5	37	33	-	10
Indiana.....	-	-	-	-	-	-	-	20	10	-	3
Illinois.....	1	-	-	1	1	-	6	36	78	-	5
Michigan.....	1	-	-	1	-	-	13	77	88	1	23
Wisconsin.....	-	-	-	-	-	-	-	5	15	-	-
WEST NORTH CENTRAL.....	1	1	-	-	1	-	-	42	50	2	53
Minnesota.....	1	-	-	-	-	-	-	4	9	-	-
Iowa.....	-	1	-	-	1	-	-	5	11	-	6
Missouri.....	-	-	-	-	-	-	-	25	10	-	5
North Dakota.....	-	-	-	-	-	-	-	1	1	-	1
South Dakota.....	-	-	-	-	-	-	-	-	8	-	-
Nebraska.....	-	-	-	-	-	-	-	1	1	-	1
Kansas.....	-	-	-	-	-	-	-	6	10	2	40
SOUTH ATLANTIC.....	1	5	1	2	3	2	14	122	82	11	148
Delaware.....	-	-	-	-	-	-	-	2	1	-	1
Maryland.....	-	-	-	1	-	-	-	17	13	2	17
Dist. of Columbia....	-	-	-	-	-	-	-	2	3	-	-
Virginia.....	-	5	-	-	1	-	3	20	7	1	13
West Virginia.....	-	-	-	-	-	-	-	9	4	-	1
North Carolina.....	-	-	-	-	2	-	5	26	16	5	74
South Carolina.....	-	-	-	-	-	-	-	4	6	2	14
Georgia.....	-	-	-	-	-	-	-	6	16	-	19
Florida.....	1	-	1	1	-	2	6	36	16	1	9
EAST SOUTH CENTRAL.....	1	-	-	-	-	-	-	69	65	22	63
Kentucky.....	-	-	-	-	-	-	-	29	32	20	55
Tennessee.....	-	-	-	-	-	-	-	28	16	-	-
Alabama.....	-	-	-	-	-	-	-	1	8	2	7
Mississippi.....	1	-	-	-	-	-	-	11	9	-	1
WEST SOUTH CENTRAL.....	3	-	-	2	1	-	6	63	80	15	137
Arkansas.....	1	-	-	1	-	-	-	2	27	-	1
Louisiana.....	-	-	-	1	-	-	3	10	14	1	7
Oklahoma.....	-	-	-	-	1	-	-	10	5	-	18
Texas.....	2	-	-	-	-	-	3	41	34	14	111
MOUNTAIN.....	-	-	-	-	3	-	3	43	70	29	68
Montana.....	-	-	-	-	-	-	1	2	6	1	2
Idaho.....	-	-	-	-	-	-	-	3	2	-	1
Wyoming.....	-	-	-	-	-	-	-	1	6	-	-
Colorado.....	-	-	-	-	-	-	1	14	27	28	62
New Mexico.....	-	-	-	-	3	-	1	4	7	-	1
Arizona.....	-	-	-	-	-	-	-	14	7	-	2
Utah.....	-	-	-	-	-	-	-	5	15	-	-
Nevada.....	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	15	-	-	6	4	5	39	252	355	13	135
Washington.....	2	-	-	2	-	1	1	30	81	-	5
Oregon.....	-	-	-	-	-	-	1	21	21	-	8
California.....	13	-	-	4	4	4	37	195	249	13	105
Alaska.....	-	-	-	-	-	-	-	2	2	-	-
Hawaii.....	-	-	-	-	-	-	-	4	2	-	17
Puerto Rico.....	-	-	-	-	-	-	1	25	18	-	-
Virgin Islands.....	-	-	-	-	-	-	-	-	-	-	-

*Delayed reports: Hepatitis, infectious: N.J. delete 2
Malaria: N.Y. Ups. 6 (1969)

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TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

MARCH 21, 1970 AND MARCH 15, 1969 (11th WEEK) - CONTINUED

AREA	MEASLES (Rubeola)			MENINGOCOCCAL INFECTIONS, TOTAL			MUMPS		POLIOMYELITIS		
	Cumulative		1969	Cumulative		1969	Cum.	1970	Total	Paralytic	
	1970	1970		1970	1970				1970	1970	Cum. 1970
UNITED STATES.....	1,670	12,103	5,092	90	770	898	2,910	28,366	-	-	1
NEW ENGLAND.....	61	266	234	5	35	28	473	3,866	-	-	-
Maine.....	1	2	2	-	-	1	12	473	-	-	-
New Hampshire.....	-	13	60	-	3	-	5	192	-	-	-
Vermont.....	-	1	-	-	3	-	157	335	-	-	-
Massachusetts.....	57	206	30	1	12	14	131	1,174	-	-	-
Rhode Island.....	-	14	7	-	3	3	39	390	-	-	-
Connecticut.....	3	30	135	4	14	10	129	1,302	-	-	-
MIDDLE ATLANTIC.....	137	1,839	1,583	22	126	134	214	2,842	-	-	-
New York City.....	13	256	997	6	32	22	51	844	-	-	-
New York, Up-State...	4	64	143	2	24	17	-	4	-	-	-
New Jersey.....	101	832	283	12	42	61	79	838	-	-	-
Pennsylvania.....	19	687	160	2	28	34	84	1,156	-	-	-
EAST NORTH CENTRAL.....	337	2,765	550	9	98	103	859	7,262	-	-	-
Ohio.....	100	825	63	4	47	31	147	1,017	-	-	-
Indiana.....	13	119	134	2	12	17	131	696	-	-	-
Illinois.....	175	1,387	113	3	19	15	102	697	-	-	-
Michigan.....	29	240	64	-	17	34	172	1,704	-	-	-
Wisconsin.....	20	194	176	-	3	6	307	3,148	-	-	-
WEST NORTH CENTRAL.....	52	1,223	163	2	32	49	79	1,767	-	-	-
Minnesota.....	8	12	1	-	4	8	9	182	-	-	-
Iowa.....	10	40	87	-	3	6	57	1,133	-	-	-
Missouri.....	14	207	11	1	23	21	7	43	-	-	-
North Dakota.....	17	64	5	1	1	-	4	155	-	-	-
South Dakota.....	-	41	-	-	-	-	-	2	-	-	-
Nebraska.....	3	815	59	-	1	4	1	222	-	-	-
Kansas.....	-	44	-	-	-	10	1	30	-	-	-
SOUTH ATLANTIC.....	296	1,736	926	14	175	169	317	2,776	-	-	-
Delaware.....	7	119	16	-	2	3	10	64	-	-	-
Maryland.....	34	254	8	1	13	16	15	193	-	-	-
Dist. of Columbia....	7	260	-	-	1	2	6	74	-	-	-
Virginia.....	172	438	351	2	15	29	113	587	-	-	-
West Virginia.....	8	76	80	2	4	7	83	899	-	-	-
North Carolina.....	20	187	80	2	34	19	NN	NN	-	-	-
South Carolina.....	32	115	46	-	7	26	34	243	-	-	-
Georgia.....	-	2	1	-	24	28	-	-	-	-	-
Florida.....	16	285	344	7	75	39	56	716	-	-	-
EAST SOUTH CENTRAL.....	18	153	42	8	47	41	108	1,831	-	-	-
Kentucky.....	10	95	17	4	16	10	29	709	-	-	-
Tennessee.....	4	29	10	3	22	21	71	1,019	-	-	-
Alabama.....	3	15	-	1	6	7	7	93	-	-	-
Mississippi.....	1	14	15	-	3	3	1	10	-	-	-
WEST SOUTH CENTRAL.....	613	2,989	1,227	12	129	124	381	2,757	-	-	1
Arkansas.....	-	16	2	2	14	15	8	37	-	-	-
Louisiana.....	19	34	8	3	30	33	-	3	-	-	-
Oklahoma.....	25	93	103	-	8	14	124	905	-	-	-
Texas.....	569	2,846	1,114	7	77	62	249	1,812	-	-	1
MOUNTAIN.....	66	509	95	1	8	27	135	1,264	-	-	-
Montana.....	-	10	3	-	-	2	32	207	-	-	-
Idaho.....	-	5	-	1	1	5	3	52	-	-	-
Wyoming.....	-	-	-	-	1	-	-	10	-	-	-
Colorado.....	4	13	15	-	3	6	32	438	-	-	-
New Mexico.....	5	69	41	-	-	5	29	274	-	-	-
Arizona.....	57	404	34	-	1	6	37	221	-	-	-
Utah.....	-	4	1	-	2	1	2	62	-	-	-
Nevada.....	-	4	1	-	-	2	-	-	-	-	-
PACIFIC.....	90	623	272	17	120	223	344	4,001	-	-	-
Washington.....	5	40	24	-	15	14	128	1,618	-	-	-
Oregon.....	19	102	36	-	8	7	24	311	-	-	-
California.....	53	442	207	17	96	196	153	1,611	-	-	-
Alaska.....	-	1	4	-	-	-	8	185	-	-	-
Hawaii.....	13	38	1	-	1	6	31	276	-	-	-
Puerto Rico.....	50	537	125	-	2	3	33	276	-	-	-
Virgin Islands.....	1	4	-	-	1	-	1	1	-	-	-

Delayed reports: Measles: Ind. delete 1, No. 68, Ariz. 4

Meningococcal infections: Mo. 16

Mumps: Me. delete 46

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
MARCH 21, 1970 AND MARCH 15, 1969 (11th WEEK) - CONTINUED

AREA	RUBELLA		TETANUS		TULARENIA		TYPHOID FEVER		TYPHUS FEVER TICK-BORNE (Rky. Mt. Spotted)		RABIES IN ANIMALS	
	1970	Cum. 1970	1970	Cum. 1970	1970	Cum. 1970	1970	Cum. 1970	1970	Cum. 1970	1970	Cum. 1970
UNITED STATES.....	2,011	15,104	1	16	3	15	6	50	-	-	71	654
NEW ENGLAND.....	101	718	-	1	-	-	-	2	-	-	4	32
Maine.....	26	125	-	-	-	-	-	-	-	-	-	1
New Hampshire.....	13	73	-	-	-	-	-	-	-	-	-	31
Vermont.....	-	24	-	-	-	-	-	-	-	-	4	-
Massachusetts.....	40	279	-	1	-	-	-	1	-	-	-	-
Rhode Island.....	6	20	-	-	-	-	-	-	-	-	-	-
Connecticut.....	16	197	-	-	-	-	-	1	-	-	-	-
MIDDLE ATLANTIC.....	129	1,170	-	2	-	-	2	13	-	-	6	50
New York City.....	17	184	-	-	-	-	1	5	-	-	-	48
New York, Up-State..	15	117	-	-	-	-	1	5	-	-	6	-
New Jersey.....	37	402	-	1	-	-	-	1	-	-	-	2
Pennsylvania.....	60	467	-	1	-	-	-	2	-	-	-	-
EAST NORTH CENTRAL....	434	3,589	1	4	-	5	2	4	-	-	4	32
Ohio.....	84	539	-	-	-	2	1	2	-	-	2	10
Indiana.....	103	678	-	1	-	3	-	-	-	-	-	2
Illinois.....	54	394	1	2	-	-	1	1	-	-	2	9
Michigan.....	102	1,006	-	1	-	-	-	1	-	-	-	1
Wisconsin.....	91	972	-	-	-	-	-	-	-	-	-	10
WEST NORTH CENTRAL....	78	1,296	-	-	-	2	-	-	-	-	10	85
Minnesota.....	1	58	-	-	-	-	-	-	-	-	2	18
Iowa.....	61	820	-	-	-	-	-	-	-	-	2	19
Missouri.....	14	109	-	-	-	2	-	-	-	-	4	21
North Dakota.....	2	66	-	-	-	-	-	-	-	-	2	10
South Dakota.....	-	1	-	-	-	-	-	-	-	-	-	2
Nebraska.....	-	227	-	-	-	-	-	-	-	-	-	15
Kansas.....	-	15	-	-	-	-	-	-	-	-	-	-
SOUTH ATLANTIC.....	186	1,634	-	5	3	4	-	11	-	-	19	183
Delaware.....	3	15	-	-	-	-	-	-	-	-	-	1
Maryland.....	20	105	-	-	-	-	-	3	-	-	-	-
Dist. of Columbia...	1	8	-	1	-	-	-	-	-	-	-	93
Virginia.....	33	308	-	-	-	-	-	1	-	-	8	42
West Virginia.....	34	440	-	-	-	-	-	-	-	-	10	-
North Carolina.....	-	3	-	-	3	3	-	1	-	-	-	-
South Carolina.....	15	94	-	-	-	-	-	-	-	-	-	31
Georgia.....	-	-	-	1	-	-	-	4	-	-	1	16
Florida.....	80	661	-	3	-	1	-	2	-	-	-	-
EAST SOUTH CENTRAL....	183	891	-	-	-	2	-	1	-	-	7	75
Kentucky.....	69	314	-	-	-	1	-	-	-	-	6	45
Tennessee.....	65	443	-	-	-	1	-	-	-	-	1	17
Alabama.....	49	118	-	-	-	-	-	1	-	-	-	13
Mississippi.....	-	16	-	-	-	-	-	-	-	-	-	-
WEST SOUTH CENTRAL....	398	2,345	-	2	-	2	1	2	-	-	16	119
Arkansas.....	-	4	-	1	-	1	-	1	-	-	1	16
Louisiana.....	3	6	-	1	-	-	1	1	-	-	4	33
Oklahoma.....	21	480	-	-	-	1	-	-	-	-	4	14
Texas.....	374	1,855	-	-	-	-	-	-	-	-	7	56
MOUNTAIN.....	76	611	-	-	-	-	-	4	-	-	1	6
Montana.....	11	137	-	-	-	-	-	1	-	-	-	-
Idaho.....	3	21	-	-	-	-	-	-	-	-	-	-
Wyoming.....	4	36	-	-	-	-	-	-	-	-	-	-
Colorado.....	15	125	-	-	-	-	-	1	-	-	-	6
New Mexico.....	-	32	-	-	-	-	-	1	-	-	1	-
Arizona.....	37	184	-	-	-	-	-	1	-	-	-	-
Utah.....	6	76	-	-	-	-	-	-	-	-	-	-
Nevada.....	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	426	2,850	-	2	-	-	1	13	-	-	4	72
Washington.....	262	1,384	-	-	-	-	-	1	-	-	-	-
Oregon.....	17	260	-	1	-	-	-	-	-	-	-	72
California.....	138	1,056	-	1	-	-	1	11	-	-	4	-
Alaska.....	-	56	-	-	-	-	-	1	-	-	-	-
Hawaii.....	9	94	-	-	-	-	-	-	-	-	-	-
Puerto Rico.....	1	10	-	3	-	-	1	2	-	-	-	9
Virgin Islands.....	-	-	-	-	-	-	-	-	-	-	-	-

*Delayed reports: Rubella: Me. 46

Typhoid fever: Tex. 2 (1969)

Morbidity and Mortality Weekly Report

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Week No.
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TABLE IV. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED MARCH 21, 1970

(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:	717	419	46	19	SOUTH ATLANTIC:	1,348	716	94	57
Boston, Mass.-----	238	122	22	6	Atlanta, Ga.-----	138	67	12	9
Bridgeport, Conn.-----	40	21	1	2	Baltimore, Md.-----	237	129	8	10
Cambridge, Mass.-----	26	17	6	—	Charlotte, N. C.-----	62	31	4	1
Fall River, Mass.-----	36	30	—	—	Jacksonville, Fla.-----	90	46	2	5
Hartford, Conn.-----	56	30	1	3	Miami, Fla.-----	134	64	10	1
Lowell, Mass.-----	41	22	1	1	Norfolk, Va.-----	59	29	6	1
Lynn, Mass.-----	15	10	—	—	Richmond, Va.-----	93	49	9	4
New Bedford, Mass.-----	26	22	1	—	Savannah, Ga.-----	49	25	6	4
New Haven, Conn.-----	44	26	2	—	St. Petersburg, Fla.-----	115	95	3	2
Providence, R. I.-----	53	28	2	1	Tampa, Fla.-----	80	43	15	5
Somerville, Mass.-----	14	9	1	1	Washington, D. C.-----	256	117	16	14
Springfield, Mass.-----	54	33	9	1	Wilmington, Del.-----	35	21	3	1
Waterbury, Conn.-----	29	17	—	1					
Worcester, Mass.-----	45	32	—	3	EAST SOUTH CENTRAL:	733	381	46	39
MIDDLE ATLANTIC:	3,327	1,975	155	109	Birmingham, Ala.-----	114	58	2	10
Albany, N. Y.-----	58	29	—	3	Chattanooga, Tenn.-----	59	27	6	3
Allentown, Pa.-----	39	21	3	1	Knoxville, Tenn.-----	47	30	3	1
Buffalo, N. Y.-----	136	93	6	2	Louisville, Ky.-----	101	62	16	6
Camden, N. J.-----	37	24	—	2	Memphis, Tenn.-----	196	100	8	12
Elizabeth, N. J.-----	36	22	2	—	Mobile, Ala.-----	68	40	6	3
Erie, Pa.-----	43	26	5	3	Montgomery, Ala.-----	24	8	—	1
Jersey City, N. J.-----	74	44	7	2	Nashville, Tenn.-----	124	56	5	3
Newark, N. J.-----	87	43	3	7	WEST SOUTH CENTRAL:	1,287	662	56	90
New York City, N. Y.-----	1,858	1,094	84	56	Austin, Tex.-----	41	22	7	3
Paterson, N. J.-----	42	23	—	1	Baton Rouge, La.-----	50	23	—	10
Philadelphia, Pa.-----	290	169	6	12	Corpus Christi, Tex.-----	31	13	—	5
Pittsburgh, Pa.-----	195	107	13	7	Dallas, Tex.-----	195	102	4	13
Reading, Pa.-----	50	35	3	2	El Paso, Tex.-----	53	23	4	8
Rochester, N. Y.-----	128	86	5	3	Fort Worth, Tex.-----	86	40	4	4
Schenectady, N. Y.-----	23	14	4	1	Houston, Tex.-----	209	97	8	1
Scranton, Pa.-----	32	20	2	—	Little Rock, Ark.-----	65	30	3	4
Syracuse, N. Y.-----	72	46	2	3	New Orleans, La.-----	180	87	5	15
Trenton, N. J.-----	56	32	1	2	Oklahoma City, Okla.-----	94	57	2	3
Utica, N. Y.-----	31	21	4	—	San Antonio, Tex.-----	141	82	5	15
Yonkers, N. Y.-----	40	26	5	2	Shreveport, La.-----	87	52	11	6
EAST NORTH CENTRAL:	2,636	1,416	87	134	Tulsa, Okla.-----	55	34	3	3
Akron, Ohio-----	58	31	—	7	MOUNTAIN:	488	295	24	17
Canton, Ohio-----	37	22	3	1	Albuquerque, N. Mex.-----	60	32	7	3
Chicago, Ill.-----	763	385	15	36	Colorado Springs, Colo.-----	34	19	3	2
Cincinnati, Ohio-----	175	99	4	8	Denver, Colo.-----	141	85	4	4
Cleveland, Ohio-----	219	109	8	13	Ogden, Utah-----	11	9	2	—
Columbus, Ohio-----	140	70	—	8	Phoenix, Ariz.-----	113	64	—	3
Dayton, Ohio-----	84	38	5	8	Pueblo, Colo.-----	18	13	5	—
Detroit, Mich.-----	351	196	12	19	Salt Lake City, Utah-----	50	32	—	2
Evansville, Ind.-----	42	31	2	2	Tucson, Ariz.-----	61	41	3	3
Flint, Mich.-----	34	19	2	3	PACIFIC:	1,820	1,083	48	90
Fort Wayne, Ind.-----	44	22	5	1	Berkeley, Calif.-----	22	15	3	1
Gary, Ind.-----	27	13	3	2	Fresno, Calif.-----	58	32	1	3
Grand Rapids, Mich.-----	59	36	3	2	Glendale, Calif.-----	44	28	—	1
Indianapolis, Ind.-----	155	71	4	9	Honolulu, Hawaii-----	45	24	—	4
Madison, Wis.-----	37	19	6	1	Long Beach, Calif.-----	104	54	2	2
Milwaukee, Wis.-----	140	92	—	6	Los Angeles, Calif.-----	571	352	12	27
Peoria, Ill.-----	44	22	1	3	Oakland, Calif.-----	99	62	1	5
Rockford, Ill.-----	34	23	6	1	Pasadena, Calif.-----	41	28	—	—
South Bend, Ind.-----	28	19	3	1	Portland, Oreg.-----	151	89	5	5
Toledo, Ohio-----	99	60	5	2	Sacramento, Calif.-----	59	36	3	1
Youngstown, Ohio-----	66	39	—	1	San Diego, Calif.-----	107	50	4	18
WEST NORTH CENTRAL:	813	503	31	38	San Francisco, Calif.-----	220	129	7	7
Des Moines, Iowa-----	55	39	1	—	San Jose, Calif.-----	39	24	1	—
Duluth, Minn.-----	29	23	1	—	Seattle, Wash.-----	157	95	4	8
Kansas City, Kans.-----	40	18	3	7	Spokane, Wash.-----	42	25	—	3
Kansas City, Mo.-----	131	76	2	6	Tacoma, Wash.-----	61	40	5	5
Lincoln, Nebr.-----	28	19	5	2					
Minneapolis, Minn.-----	104	72	4	8	Total	13,169	7,450	587	593
Omaha, Nebr.-----	85	43	2	5	Expected Number	13,098	7,708	500	501
St. Louis, Mo.-----	226	138	8	8	Cumulative Total (includes reported corrections for previous weeks)	157,225	91,064	7,871	6,831
St. Paul, Minn.-----	64	45	—	—					
Wichita, Kans.-----	51	30	5	2					
Las Vegas, Nev.*	18	4	—	—					

*Mortality data are being collected from Las Vegas, Nev., for possible inclusion in this table, however, for statistical reasons, these data will be listed only and not included in the total, expected number, or cumulative total, until 5 years of data are collected.

SALMONELLOSIS - (Continued from page 115)

Figure 3
REPORTED HUMAN ISOLATIONS OF SALMONELLAE
UNITED STATES - 1965-1969

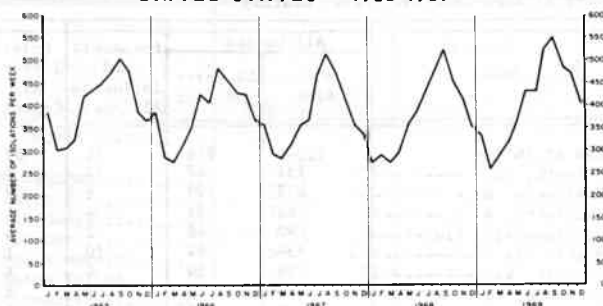


Table 2
10 Most Frequently Reported Salmonella Serotypes
Isolated from Humans and Nonhumans
October, November, and December 1969

Serotype	Number	Percent
Human		
typhi-murium*	1,590	25.1
enteritidis	534	8.4
newport	498	7.9
heidelberg	422	6.7
thompson	306	4.8
saint-paul	303	4.8
infantis	246	3.9
javiana	176	2.8
typhi	165	2.6
	153	2.4
Subtotal	4,393	69.5
Total all serotypes	6,324	
Nonhuman		
typhi-murium**	354	12.3
heidelberg	300	10.5
saint-paul	192	6.7
anatum	188	6.6
cholera-suis K	172	6.0
thompson	101	3.5
derby	92	3.2
senftenberg	91	3.2
montevideo	87	3.0
infantis	85	3.0
Subtotal	1,662	57.9
Total all serotypes	2,868	

*Includes var. copenhagen 73 1.2

**Includes var. copenhagen 46 1.6

chickens, turkeys, swine, and tankage. The increase may well represent intensified sampling practices rather than an increase in the incidence of salmonella infection.

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

Copies of the reports from which these data were derived are available on request from

National Communicable Disease Center
Attn: Chief, Salmonellosis Unit, Epidemiology Program
Atlanta, Georgia 30333

THE MORBIDITY AND MORTALITY WEEKLY REPORT, WITH A CIRCULATION OF 21,000 IS PUBLISHED AT THE NATIONAL COMMUNICABLE DISEASE CENTER, ATLANTA, GEORGIA.

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ATTN: THE EDITOR
MORBIDITY AND MORTALITY WEEKLY REPORT
ATLANTA, GEORGIA 30333

NOTE: THE DATA IN THIS REPORT ARE PROVISIONAL AND ARE BASED ON WEEKLY TELEGRAMS TO THE NCDC BY THE INDIVIDUAL STATE HEALTH DEPARTMENTS. THE REPORTING WEEK CONCLUDES AT CLOSE OF BUSINESS ON FRIDAY; COMPILED DATA ON A NATIONAL BASIS ARE OFFICIALLY RELEASED TO THE PUBLIC ON THE SUCCEEDING FRIDAY.

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