



Morbidity and Mortality

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WEEKLY REPORT

Week Ending January 21, 1967

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE • PUBLIC HEALTH SERVICE
BUREAU OF DISEASE PREVENTION AND ENVIRONMENTAL CONTROL

CURRENT TRENDS
MEASLES - 1967

A total of 1,451 cases of measles was reported for the 3rd week (ending January 21), an increase of 106 cases from the total of the previous week and 3,481 less than the total of 4,932 reported for the 3rd week in 1966. The three states reporting the highest numbers of cases are Texas with 322, Washington with 160, and California with 77. Six states reported no measles activity; 15 states notified at least one but fewer than 10 cases.

Figure 1 presents the reported cases of measles from the beginning of the epidemiologic year (week ending October 15) in comparison with the same period during the previous 3 years.

The counties reporting outbreaks of measles cases during the 6-week period ending January 14 are listed in Table 1. Five counties have been added by the criteria

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used: Washoe County, Nevada; Eastland, Ector, and Galveston Counties, Texas; and Clallam County, Washington. Since Table 1 was last published, the number of cases in four previously listed counties fell below the threshold and they are no longer included: Lane and Washington Counties, Oregon; Hutchinson County, Texas; and Snohomish County, Washington.

(Reported by the Childhood Viral Diseases Unit, Epidemiology Program, NCDC.)

(Table 1 on page 18)

Figure 1
REPORTED MEASLES IN THE UNITED STATES
1966-67 COMPARED WITH 1963-64 TO 1965-66

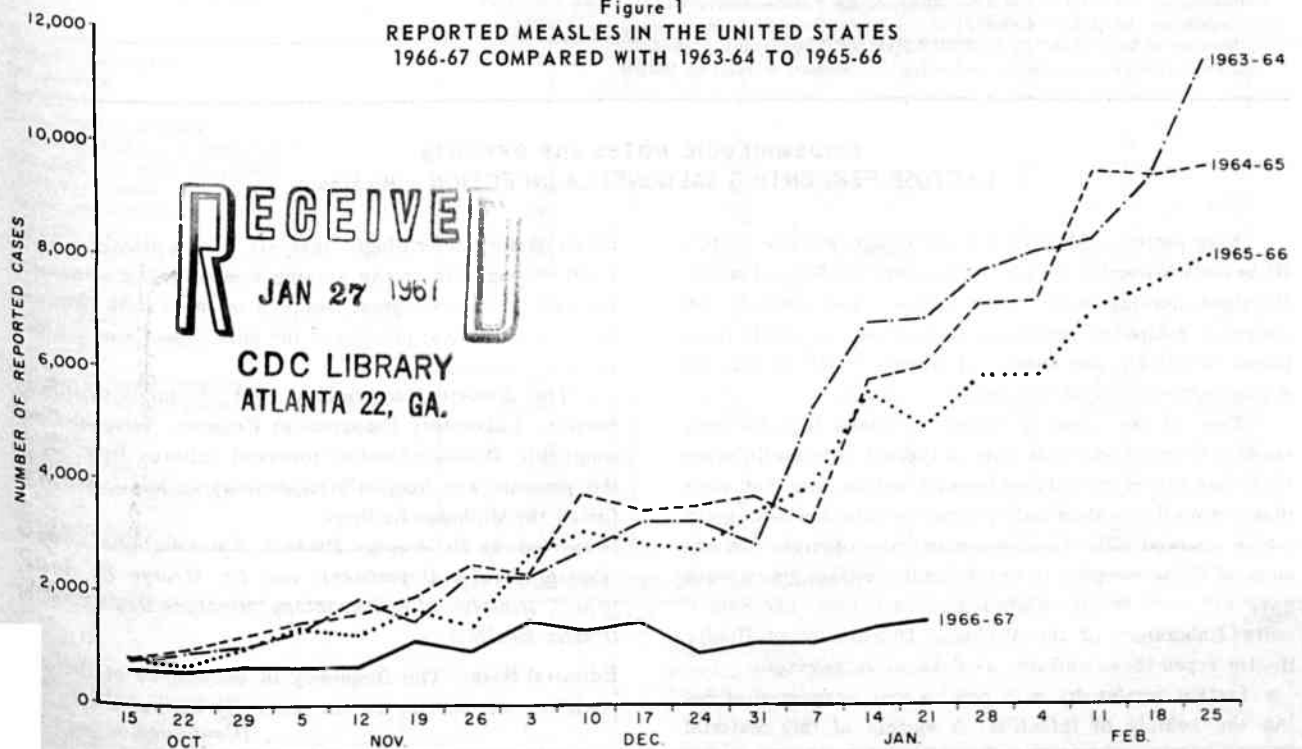


Table 1
Counties with Outbreaks of Measles*
December 4, 1966 - January 14, 1967

State - County	Pop. (1000's)	December				January	
		10	17	24	31	7	14
Arkansas							
Ouachita	32		119	35	80		
Colorado							
Pueblo	119	20	18	11	17	11	8
Michigan							
Wayne	2,666	†13	30	32	14	9	27
Mississippi							
Oktibbeha	26	73	58			52	25
Nebraska							
Richardson	14	27		14		2	25
Nevada							
Washoe	85					11	36
North Carolina							
Durham	112	42	64	42	22		22
Tennessee							
Maury	42	8	13		28	21	
Texas							
Brown	25	7	18		6	13	7
Eastland	20			4	20	18	
Ector	91	1	2	21	11	21	18
Galveston	140	22	8	3	5	20	33
Red River	16	10	19	11	10	6	
Travis	212	30	36	41	51	60	62
Washington							
Benton	62	5	30	15		10	21
Clallam	30	9	2	39	6	36	14
Franklyn	23	4	15	12		4	13
King	935	29	50	15	23	29	25
Spokane	278		49	2	21	71	37

*Criteria for outbreaks:

Population at least 1,000,000: 25 cases for 2 consecutive weeks.

Population 500,000 - 999,999: 20 cases for 2 consecutive weeks.

Population 100,000 - 499,999: 15 cases for 2 consecutive weeks.

Population less than 100,000: 10 cases for 2 consecutive weeks.

† Immunization program begun according to reports received by MMWR.

EPIDEMIOLOGIC NOTES AND REPORTS

LACTOSE-FERMENTING SALMONELLA INFECTION - Michigan

Nine patients, all over 65 years of age, became acutely ill in early November 1966 while residing in a Wayne County, Michigan nursing home which houses approximately 100 patients. Symptoms consisted of diarrhea, low-grade fever (mean of 101.2°), and abdominal cramps. Vomiting was not a prominent feature of the symptom complex.

Two of the stool specimens obtained from patients contained organisms that gave a typical salmonella reaction when plated directly on bismuth sulfite agar, but when plated directly on MacConkey's and on Salmonella-Shigella media showed only lactose-fermenting colonies. Enrichment of these samples in tetrathionate brilliant green broth gave the same results when plated as before. The Salmonella Laboratory of the Michigan Department of Public Health typed these cultures as *Salmonella newington*.

Instant nonfat dry milk powder was suspected of being the vehicle of infection. A sample of this material

obtained for bacteriologic analysis from a stainless steel lined storage bin at the nursing home yielded a lactose-fermenting *S. newington*. Samples of dried milk obtained from the plant that processed the milk in question yielded the same organism.

The Enteric Bacteriology Unit of the Bacteriology Section, Laboratory Improvement Program, National Communicable Disease Center, received cultures from one of the patients and from milk in the nursing home, and confirmed the Michigan findings.

(Reported by Dr. George Pickett, Epidemiologist, Wayne County Health Department; and Dr. George H. Agate, Chief, Division of Epidemiology, Michigan Department of Public Health.)

Editorial Note: The frequency of occurrence of lactose-positive salmonellae is not precisely known. Ewing and
(Continued on page 24)

SUMMARY OF REPORTED CASES OF INFECTIOUS SYPHILIS
DECEMBER 1965 AND DECEMBER 1966

CASES OF PRIMARY AND SECONDARY SYPHILIS: By Reporting Areas December 1965 and December 1966 - Provisional Data

Reporting Area	December		Cumulative Jan - Dec		Reporting Area	December		Cumulative Jan - Dec	
	1966	1965	1966	1965		1966	1965	1966	1965
NEW ENGLAND.....	27	41	452	477	EAST SOUTH CENTRAL.....	143	196	2,193	2,689
Maine.....	-	-	3	2	Kentucky.....	13	12	142	138
New Hampshire.....	-	1	12	28	Tennessee.....	31	33	306	503
Vermont.....	-	-	3	2	Alabama.....	71	99	1,233	1,417
Massachusetts.....	22	33	304	300	Mississippi.....	28	52	512	631
Rhode Island.....	-	-	26	23	WEST SOUTH CENTRAL.....	216	188	2,780	2,330
Connecticut.....	5	7	104	122	Arkansas.....	8	4	151	202
MIDDLE ATLANTIC.....	308	467	3,876	4,945	Louisiana.....	38	54	640	661
Upstate New York.....	25	43	359	558	Oklahoma.....	8	10	137	111
New York City.....	189	295	2,336	2,889	Texas.....	162	120	1,852	1,356
Pa. (Excl. Phila.).....	13	18	195	189	MOUNTAIN.....	52	41	480	546
Philadelphia.....	29	59	272	365	Montana.....	1	3	31	21
New Jersey.....	52	52	714	944	Idaho.....	5	-	25	9
EAST NORTH CENTRAL.....	311	277	3,281	3,031	Wyoming.....	1	-	2	9
Ohio.....	93	64	680	648	Colorado.....	2	6	47	51
Indiana.....	3	14	89	63	New Mexico.....	22	6	125	112
Downstate Illinois.....	24	12	182	193	Arizona.....	17	21	215	268
Chicago.....	73	92	1,027	1,189	Utah.....	-	4	10	21
Michigan.....	116	92	1,213	860	Nevada.....	4	1	25	55
Wisconsin.....	2	3	90	78	PACIFIC.....	136	179	1,733	2,032
WEST NORTH CENTRAL.....	35	45	411	553	Washington.....	4	6	43	70
Minnesota.....	11	4	42	91	Oregon.....	1	11	45	47
Iowa.....	4	6	73	49	California.....	128	160	1,604	1,675
Missouri.....	9	25	145	248	Alaska.....	-	1	11	8
North Dakota.....	-	-	4	2	Hawaii.....	2	1	29	32
South Dakota.....	6	1	37	39	U. S. TOTAL.....	1,676	1,937	21,332	23,338
Nebraska.....	3	5	51	88	TERRITORIES.....	59	85	969	900
Kansas.....	2	4	59	36	Puerto Rico.....	59	85	942	876
SOUTH ATLANTIC.....	448	503	6,126	6,735	Virgin Islands.....	-	-	27	24
Delaware.....	5	5	54	56	Note: Cumulative Totals include revised and delayed reports through previous months.				
Maryland.....	43	42	568	485					
District of Columbia.....	30	47	500	495					
Virginia.....	23	33	313	326					
West Virginia.....	3	12	72	107					
North Carolina.....	56	66	839	1,004					
South Carolina.....	68	79	875	851					
Georgia.....	77	61	1,015	1,055					
Florida.....	143	158	1,890	2,356					

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

DISEASE	3rd WEEK ENDED		MEDIAN 1962 - 1966	CUMULATIVE, FIRST 3 WEEKS		
	JANUARY 21, 1967	JANUARY 22, 1966		1967	1966	MEDIAN 1962 - 1966
Aseptic meningitis.....	29	16	32	76	87	87
Brucellosis.....	2	2	6	8	6	12
Diphtheria.....	1	3	3	3	6	12
Encephalitis, primary:						
Arthropod-borne & unspecified.....	20	25	---	57	68	---
Encephalitis, post-infectious.....	7	13	---	20	38	---
Hepatitis, serum.....	29	20	872	108	52	2,366
Hepatitis, infectious.....	746	631	872	2,016	1,991	2,366
Malaria.....	27	5	1	67	13	5
Measles (rubeola).....	1,451	4,932	6,805	3,915	14,360	18,754
Meningococcal infections, total.....	73	63	62	191	221	157
Civilian.....	68	54	---	177	200	---
Military.....	5	9	---	14	21	---
Poliomyelitis, total.....	---	---	---	---	1	1
Paralytic.....	---	---	---	---	---	---
Rubella (German measles).....	850	824	---	1,602	2,150	---
Streptococcal sore throat & scarlet fever.....	12,084	9,521	9,521	30,609	26,356	23,685
Tetanus.....	3	---	2	6	3	10
Tularemia.....	4	4	6	9	12	26
Typhoid fever.....	5	2	7	9	10	14
Typhus, tick-borne (Rky. Mt. spotted fever).....	---	---	---	3	7	3
Rabies in animals.....	71	61	57	205	203	171

NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax.....	---	Rabies in man.....	---
Botulism.....	---	Rubella, Congenital Syndrome.....	---
Leptospirosis.....	3	Trichinosis: N.H.-1.....	5
Plague.....	---	Typhus, murine.....	---
Psittacosis: Mass.-1.....	5		

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CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

JANUARY 21, 1967 AND JANUARY 22, 1966 (3rd WEEK) - CONTINUED

AREA	MALARIA	MEASLES (Rubeola)		MENINGOCOCCAL INFECTIONS, TOTAL			POLIOMYELITIS			RUBELLA	
	1967	1967	Cumulative		1967	Cumulative		Total	Paralytic		1967
			1967	1966		1967	1966		1967	Cum. 1967	
UNITED STATES...	27	1,451	3,915	14,360	73	191	221	-	-	-	850
NEW ENGLAND.....	1	9	33	203	2	6	16	-	-	-	89
Maine.....	-	-	4	27	-	1	-	-	-	-	12
New Hampshire.....	-	-	-	4	-	-	6	-	-	-	-
Vermont.....	-	3	4	80	-	-	1	-	-	-	-
Massachusetts.....	-	5	21	42	1	3	4	-	-	-	43
Rhode Island.....	-	-	2	20	-	-	2	-	-	-	2
Connecticut.....	1	1	2	30	1	2	3	-	-	-	32
MIDDLE ATLANTIC.....	10	68	160	2,470	8	29	44	-	-	-	43
New York City.....	-	11	24	1,160	2	6	13	-	-	-	23
New York, Up-State.	3	21	50	333	3	9	6	-	-	-	18
New Jersey.....	4	26	55	258	1	11	13	-	-	-	-
Pennsylvania.....	3	10	31	719	2	3	12	-	-	-	2
EAST NORTH CENTRAL...	-	188	440	5,900	7	15	38	-	-	-	126
Ohio.....	-	16	35	368	2	7	14	-	-	-	9
Indiana.....	-	38	79	269	1	1	4	-	-	-	13
Illinois.....	-	21	39	1,259	2	3	5	-	-	-	24
Michigan.....	-	45	117	755	2	3	13	-	-	-	18
Wisconsin.....	-	68	170	3,249	-	1	2	-	-	-	62
WEST NORTH CENTRAL...	-	51	140	457	3	10	12	-	-	-	35
Minnesota.....	-	1	5	230	-	1	3	-	-	-	-
Iowa.....	-	15	29	77	-	2	2	-	-	-	34
Missouri.....	-	4	6	30	1	3	3	-	-	-	-
North Dakota.....	-	12	49	114	-	-	-	-	-	-	1
South Dakota.....	-	14	14	1	1	1	1	-	-	-	-
Nebraska.....	-	5	37	5	-	2	1	-	-	-	-
Kansas.....	-	NN	NN	NN	1	1	2	-	-	-	-
SOUTH ATLANTIC.....	11	163	410	1,574	9	33	37	-	-	-	27
Delaware.....	-	4	4	26	-	-	-	-	-	-	-
Maryland.....	-	1	2	198	2	3	4	-	-	-	1
Dist. of Columbia..	-	-	4	63	-	-	-	-	-	-	-
Virginia.....	-	20	66	112	1	3	1	-	-	-	2
West Virginia.....	2	43	87	847	4	7	1	-	-	-	17
North Carolina.....	5	32	75	30	1	7	8	-	-	-	-
South Carolina.....	1	-	1	85	-	1	9	-	-	-	-
Georgia.....	2	8	8	24	-	4	4	-	-	-	-
Florida.....	1	55	163	189	1	8	10	-	-	-	7
EAST SOUTH CENTRAL...	-	192	465	1,592	9	15	5	-	-	-	65
Kentucky.....	-	32	65	493	3	4	2	-	-	-	24
Tennessee.....	-	74	195	1,057	3	7	2	-	-	-	6
Alabama.....	-	32	66	11	1	2	1	-	-	-	35
Mississippi.....	-	54	139	31	2	2	-	-	-	-	-
WEST SOUTH CENTRAL...	1	403	1,100	805	11	30	20	-	-	-	1
Arkansas.....	1	71	137	21	-	-	1	-	-	-	-
Louisiana.....	-	4	13	12	4	12	5	-	-	-	-
Oklahoma.....	-	6	69	10	-	-	-	-	-	-	-
Texas.....	-	322	881	762	7	18	14	-	-	-	1
MOUNTAIN.....	-	106	340	544	4	6	9	-	-	-	30
Montana.....	-	32	88	103	-	-	1	-	-	-	4
Idaho.....	-	6	28	142	1	1	-	-	-	-	-
Wyoming.....	-	-	-	12	-	-	-	-	-	-	-
Colorado.....	-	9	42	39	1	1	8	-	-	-	8
New Mexico.....	-	18	47	3	1	3	-	-	-	-	-
Arizona.....	-	12	55	233	-	-	-	-	-	-	17
Utah.....	-	6	10	8	-	-	-	-	-	-	1
Nevada.....	-	23	70	4	1	1	-	-	-	-	-
PACIFIC.....	4	271	827	815	20	47	40	-	-	-	434
Washington.....	-	160	429	228	-	1	1	-	-	-	98
Oregon.....	-	10	150	99	-	3	3	-	-	-	28
California.....	4	77	189	473	19	42	27	-	-	-	95
Alaska.....	-	8	39	-	1	1	7	-	-	-	3
Hawaii.....	-	16	20	15	-	-	2	-	-	-	210
Puerto Rico.....	-	63	113	169	-	-	-	-	-	-	3

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Week No. **DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED JANUARY 21, 1967**

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(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:	777	494	36	29	SOUTH ATLANTIC:	1,295	712	59	62
Boston, Mass.-----	232	126	11	11	Atlanta, Ga.-----	162	77	7	12
Bridgeport, Conn.-----	63	36	6	1	Baltimore, Md.-----	286	158	10	19
Cambridge, Mass.-----	41	33	-	2	Charlotte, N. C.-----	40	22	2	4
Fall River, Mass.-----	34	24	1	2	Jacksonville, Fla.-----	81	35	7	4
Hartford, Conn.-----	53	28	2	4	Miami, Fla.-----	83	47	-	2
Lowell, Mass.-----	29	23	3	1	Norfolk, Va.-----	57	27	5	-
Lynn, Mass.-----	19	12	1	-	Richmond, Va.-----	91	49	2	4
New Bedford, Mass.-----	23	15	-	-	Savannah, Ga.-----	39	17	4	4
New Haven, Conn.-----	47	26	-	2	St. Petersburg, Fla.-----	97	78	8	2
Providence, R. I.-----	63	39	-	2	Tampa, Fla.-----	72	54	8	6
Somerville, Mass.-----	13	12	-	-	Washington, D. C.-----	237	120	6	4
Springfield, Mass.-----	45	32	3	2	Wilmington, Del.-----	50	28	-	1
Waterbury, Conn.-----	29	20	-	-	EAST SOUTH CENTRAL:	670	348	35	39
Worcester, Mass.-----	86	68	9	2	Birmingham, Ala.-----	96	52	2	4
MIDDLE ATLANTIC:	3,466	2,053	131	148	Chattanooga, Tenn.-----	51	24	2	6
Albany, N. Y.-----	42	30	1	2	Knoxville, Tenn.-----	30	21	1	1
Allentown, Pa.-----	29	21	1	1	Louisville, Ky.-----	129	75	10	8
Buffalo, N. Y.-----	169	82	5	5	Memphis, Tenn.-----	136	64	5	8
Camden, N. J.-----	47	25	2	4	Mobile, Ala.-----	62	28	-	5
Elizabeth, N. J.-----	41	21	2	2	Montgomery, Ala.-----	40	21	5	1
Erie, Pa.-----	45	28	3	2	Nashville, Tenn.-----	126	63	10	6
Jersey City, N. J.-----	86	51	11	-	WEST SOUTH CENTRAL:	1,418	727	52	94
Newark, N. J.-----	95	45	7	13	Austin, Tex.-----	54	34	2	2
New York City, N. Y.-----	1,723	1,026	56	56	Baton Rouge, La.-----	36	17	-	2
Paterson, N. J.-----	45	29	2	4	Corpus Christi, Tex.-----	30	16	-	2
Philadelphia, Pa.-----	552	305	13	38	Dallas, Tex.-----	165	81	4	17
Pittsburgh, Pa.-----	201	128	5	8	El Paso, Tex.-----	41	19	7	7
Reading, Pa.-----	57	42	6	-	Fort Worth, Tex.-----	95	49	2	-
Rochester, N. Y.-----	118	82	6	7	Houston, Tex.-----	336	159	13	16
Schenectady, N. Y.-----	20	13	-	2	Little Rock, Ark.-----	92	51	3	10
Scranton, Pa.-----	25	17	1	-	New Orleans, La.-----	175	82	3	14
Syracuse, N. Y.-----	52	35	1	1	Oklahoma City, Okla.-----	112	63	4	5
Trenton, N. J.-----	52	35	3	1	San Antonio, Tex.-----	127	68	5	12
Utica, N. Y.-----	33	26	6	-	Shreveport, La.-----	62	37	1	3
Yonkers, N. Y.-----	34	22	-	2	Tulsa, Okla.-----	93	51	8	4
EAST NORTH CENTRAL:	2,630	1,485	69	134	MOUNTAIN:	454	281	22	23
Akron, Ohio-----	51	31	-	3	Albuquerque, N. Mex.-----	41	28	6	-
Canton, Ohio-----	36	17	2	3	Colorado Springs, Colo.-----	17	11	1	1
Chicago, Ill.-----	752	381	28	39	Denver, Colo.-----	134	84	5	11
Cincinnati, Ohio-----	207	118	3	6	Ogden, Utah-----	17	14	1	-
Cleveland, Ohio-----	225	122	1	9	Phoenix, Ariz.-----	110	61	7	6
Columbus, Ohio-----	118	64	3	5	Pueblo, Colo.-----	21	16	1	2
Dayton, Ohio-----	78	47	1	3	Salt Lake City, Utah-----	55	35	-	1
Detroit, Mich.-----	369	207	6	17	Tucson, Ariz.-----	59	32	1	2
Evansville, Ind.-----	36	27	3	-	PACIFIC:	2,112	1,322	64	87
Flint, Mich.-----	52	24	1	2	Berkeley, Calif.-----	20	15	-	-
Fort Wayne, Ind.-----	39	29	3	2	Fresno, Calif.-----	63	40	-	1
Gary, Ind.-----	32	18	3	5	Glendale, Calif.-----	45	31	-	-
Grand Rapids, Mich.-----	57	38	3	5	Honolulu, Hawaii-----	58	28	2	3
Indianapolis, Ind.-----	154	87	4	9	Long Beach, Calif.-----	107	68	3	2
Madison, Wis.-----	25	16	-	1	Los Angeles, Calif.-----	783	488	20	37
Milwaukee, Wis.-----	131	86	1	10	Oakland, Calif.-----	180	114	4	8
Peoria, Ill.-----	46	27	-	4	Pasadena, Calif.-----	43	27	-	2
Rockford, Ill.-----	30	19	3	3	Portland, Oreg.-----	127	72	-	5
South Bend, Ind.-----	40	26	2	1	Sacramento, Calif.-----	64	36	2	2
Toledo, Ohio-----	81	52	-	5	San Diego, Calif.-----	90	55	3	8
Youngstown, Ohio-----	71	49	2	2	San Francisco, Calif.-----	173	106	3	4
WEST NORTH CENTRAL:	935	557	58	57	San Jose, Calif.-----	47	29	10	2
Des Moines, Iowa-----	63	45	3	2	Seattle, Wash.-----	218	143	17	12
Duluth, Minn.-----	25	20	-	1	Spokane, Wash.-----	40	31	-	-
Kansas City, Kans.-----	34	20	4	6	Tacoma, Wash.-----	54	39	-	1
Kansas City, Mo.-----	152	85	4	7	Total	13,757	7,979	526	673
Lincoln, Nebr.-----	23	16	-	1	Cumulative Totals including reported corrections for previous weeks				
Minneapolis, Minn.-----	134	85	12	12	All Causes, All Ages -----	41,238			
Omaha, Nebr.-----	87	48	7	3	All Causes, Age 65 and over-----	23,662			
St. Louis, Mo.-----	263	139	17	18	Pneumonia and Influenza, All Ages-----	1,693			
St. Paul, Minn.-----	77	53	4	-	All Causes, Under 1 Year of Age-----	2,117			
Wichita, Kans.-----	77	46	7	7					

LACTOSE-FERMENTING SALMONELLA INFECTION

(Continued from page 18)

Ball state that of approximately 400 unselected various salmonella serotypes examined for their biochemical reactions, 0.8 percent fermented lactose. Seligmann and Saphra reported an organism which was biochemically classified as a coliform although it possessed the complete antigens of S. newington. Kauffmann stated that lactose-fermenting variants of S. anatum, S. newington, S. paratyphi B, S. typhi, S. typhi-murium, S. senftenberg, S. tennessee, S. ferlac, and others have been encountered.

Until the extent of this type of phenomena can be accurately determined, it is probably not necessary that laboratories isolating salmonellae use bismuth sulfite routinely. However, when salmonellosis is strongly suspected, but not isolated, the possibility of a lactose-fermenting variant should be considered, and proper media incorporated in the bacteriologic procedures.

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IN ADDITION TO THE ESTABLISHED PROCEDURES FOR REPORTING MORBIDITY AND MORTALITY, THE NATIONAL COMMUNICABLE DISEASE CENTER WELCOMES ACCOUNTS OF INTERESTING OUTBREAKS OR CASE INVESTIGATIONS WHICH ARE OF CURRENT INTEREST TO HEALTH OFFICIALS AND WHICH ARE DIRECTLY RELATED TO THE CONTROL OF COMMUNICABLE DISEASES. SUCH COMMUNICATIONS SHOULD BE ADDRESSED TO:

THE EDITOR
MORBIDITY AND MORTALITY WEEKLY REPORT
NATIONAL COMMUNICABLE DISEASE CENTER
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 ON SATURDAY; COMPILED DATA ON A NATIONAL BASIS ARE RELEASED ON THE SUCCEEDING FRIDAY.

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