



Morbidity and Mortality

Vol. 15, No. 49

WEEKLY REPORT

Week Ending December 10, 1966

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

MEASLES VACCINE DISTRIBUTION

A total of more than 20 million doses of live attenuated measles virus vaccine were distributed by manufacturers from licensure in March 1963 through October 1966 (Figure 1). This total represents 19,279,941 doses officially reported through September 1966 and an estimated 948,000 for October 1966.

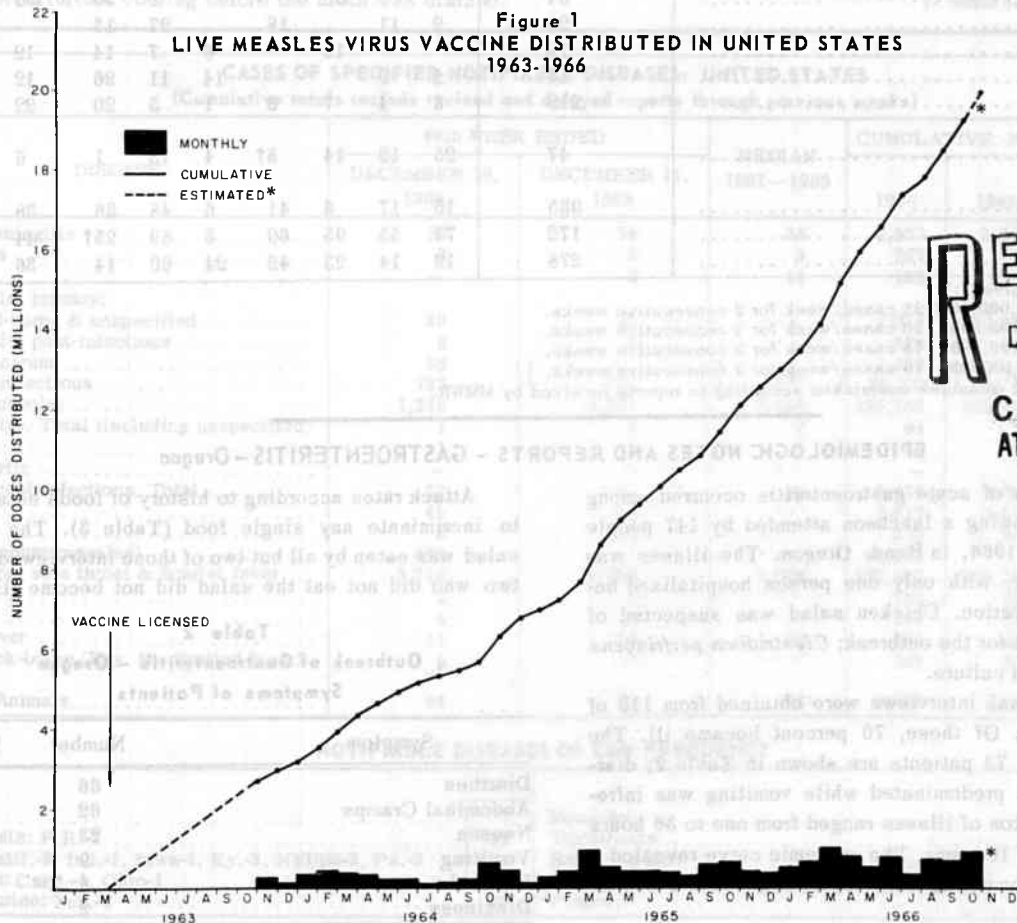
For the last 12 months for which data are available (November 1965 through October 1966), 8,069,148 doses were distributed. This represents more than twice the amount of vaccine which would be required to immunize the nearly four million children born in the United States during the same 12-month period. During the comparable

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months in 1964 and 1965, a total of 5,790,575 doses was distributed.

(Reported by the Childhood Viral Diseases Unit and the Statistics Section, Epidemiology Branch, CDC.)



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CURRENT TRENDS
MEASLES - 1966

A total of 1,338 cases was reported for the week ending December 10, 1966, a decrease of 134 cases from the previous week. Seven states notified more than 50 cases each and together accounted for 54.9 percent of the total reported: Texas, Washington, Oregon, Mississippi, North Dakota, California, and Oklahoma. Through the 49th week the total number of cases for the 1966 calendar year is 199,168, which is 57,282 less than the 256,450 cases

reported for the comparable period in 1965.

The counties reporting "outbreaks" of measles through the 48th week (ending December 3) are shown in Table 1. Sixteen counties in eight states notified almost 30 percent of the United States total for that week.

(Reported by the Childhood Viral Diseases Unit, Epidemiology Branch, CDC.)

Table 1
Counties Reporting "Outbreaks" of Measles*

State and County	Pop. (1,000's)	October			November			December	
		15	22	29	5	12	19	26	3
Michigan									
Wayne	2,666	20	21	26†	10	71	16	30	35
Nebraska									
Richardson	14				8	41	18	7	
North Dakota									
McHenry	11	3	21	14		10	6	1	
Oregon									
Washington	92			10	12	69	56	65†	83
Tennessee									
Maury	42	11	9	4		25	14	24	
Texas									
Brown	25			1	3	17	13	44	
Galveston	140	24	59	16	9	12	2	12	
Hutchinson	34			50		2	50	130	
Parker	23	2	11		18	27	13		
Pecos	12			12		6	7	14	
Red River	16	2	2			14	11	26	
Travis	212	3	4	7	3	1	5	20	
Vermont									
Rutland	47	25	12	14	5†	4	13	1	
Washington									
King	935	15	17	6	41	6	48	38	
Snohomish	172	71	55	95	60	3	89	25†	
Spokane	278	19	14	23	42	24	60	14	

*Criteria for "outbreaks:!"

Pop. at least 1,000,000: 25 cases/week for 2 consecutive weeks.

Pop. 500,000-999,999: 20 cases/week for 2 consecutive weeks.

Pop. 100,000-499,999: 15 cases/week for 2 consecutive weeks.

Pop. less than 100,000: 10 cases/week for 2 consecutive weeks.

†Organized control measures undertaken according to reports received by MMWR.

EPIDEMIOLOGIC NOTES AND REPORTS - GASTROENTERITIS - Oregon

An outbreak of acute gastroenteritis occurred among 77 persons following a luncheon attended by 147 people on October 18, 1966, in Bend, Oregon. The illness was mild in severity, with only one person hospitalized because of dehydration. Chicken salad was suspected of being responsible for the outbreak; *Clostridium perfringens* was identified on culture.

Investigational interviews were obtained from 112 of the participants. Of these, 70 percent became ill. The symptoms among 73 patients are shown in Table 2; diarrhea and cramps predominated while vomiting was infrequent. The duration of illness ranged from one to 36 hours with a median of 10 hours. The epidemic curve revealed a range of incubation period from 6 to 24 hours with a median of 15 hours.

Attack rates according to history of foods eaten failed to incriminate any single food (Table 3). The chicken salad was eaten by all but two of those interviewed. These two who did not eat the salad did not become ill, which

Table 2
Outbreak of Gastroenteritis - Oregon
Symptoms of Patients

Symptom	Number	Percent
Diarrhea	66	90
Abdominal Cramps	62	85
Nausea	23	32
Vomiting	9	12
Headache	6	8
Dizziness	2	3

Table 3
Outbreak of Gastroenteritis - Oregon
Food Histories

Food or beverage	Persons who ate specified food				Persons who did not eat specified food			
	Ill	Not Ill	Total	Attack rate (percent)	Ill	Not Ill	Total	Attack rate (percent)
Chicken Salad	77	33	110	70.0	0	2	2	0
Lemon Dessert	22	13	35	62.8	55	22	77	71.4
Chocolate Dessert	48	22	70	68.5	29	13	42	69.0
Milk	11	2	13	84.6	58	34	92	63.0
Butter	51	21	72	70.8	23	15	38	60.6
Coffee	33	19	52	63.4	9	4	13	59.2
Tea	4	2	7	57.0	35	20	55	63.6
Breadsticks	58	29	87	66.2	11	6	17	64.7
Lettuce	14	13	27	51.7	14	6	20	70.0

suggests that the salad may have been the vehicle of infection. No illness was reported among other family members of the group questioned.

The chicken salad was prepared from canned chicken which was cooked, diced, and freeze-dried prior to canning. The product is not refrigerated until after it is rehydrated. At 2:00 p.m. on October 17, two-thirds of a cup of powdered chicken broth mix was added to 24 quarts of hot water which was stirred and then cooled for 10 minutes. Twenty-four cans of chicken were opened and rehydrated when added to the broth. The mixture was allowed to stand for 15 minutes for further cooling before the broth was drained.

At 5:50 p.m., the chicken was divided into two large batches and put into two bowls that were placed in a walk-in refrigerator which has a temperature between 35° and 40°F. Hard-boiled eggs were prepared and refrigerated that same day.

On October 18 at approximately 11:00 a.m., sweet pickles, fresh diced celery and cucumbers, diced hard-boiled eggs, mayonnaise, and lemon juice were mixed in with the rehydrated chicken in a large stainless steel bowl. Individual portions of the chicken salad were then placed on lettuce leaves using an ice cream scoop. The salad

(Continued on page 432)

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

DISEASE	49th WEEK ENDED		MEDIAN 1961-1965	CUMULATIVE, FIRST 49 WEEKS		
	DECEMBER 10, 1966	DECEMBER 11, 1965		1966	1965	MEDIAN 1961-1965
Aseptic meningitis	52	34	38	2,833	2,033	2,041
Brucellosis	3	8	8	227	232	376
Diphtheria	-	2	11	182	149	275
Encephalitis, primary:						
Arthropod-borne & unspecified	30	25	---	2,035	1,800	---
Post-infectious	9	7	---	686	625	---
Hepatitis, serum	38			1,382		
Hepatitis, infectious	732	614	886	30,533	31,789	40,528
Measles (rubeola)	1,338	3,071	3,646	199,168	256,450	409,236
Poliomyelitis, Total (including unspecified)	1	2	6	94	58	423
Paralytic	1	2	4	89	44	362
Nonparalytic	-	-	---	-	9	---
Meningococcal infections, Total	53	47	51	3,230	2,848	2,208
Civilian	45	46	---	2,917	2,646	---
Military	8	1	---	313	202	---
Rubella (German measles)	407	---	---	44,902	---	---
Streptococcal sore throat & Scarlet fever	9,718	8,758	7,648	395,402	367,383	317,263
Tetanus	2	7	---	186	266	---
Tularemia	4	3	---	169	233	---
Typhoid fever	11	10	10	363	432	515
Typhus, tick-borne (Rky. Mt. Spotted fever)	6	-	---	248	260	---
Rabies in Animals	64	72	72	3,798	4,051	3,557

NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax	7	Botulism	10
Leptospirosis: P.R.-1	63	Trichinosis	94
Malaria: Calif.-3, Ind.-1, Iowa-1, Ky.-3, NYUpS-3, Pa.-3	470	Rabies in Man	1
Psittacosis: Calif.-1, Ohio-1	46	Rubella, Congenital Syndrome	23
Typhus, murine: Tex.-2	28	Plague	5

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED

DECEMBER 10, 1966 AND DECEMBER 11, 1965 (49th WEEK)

AREA	ASEPTIC MENINGITIS		BRUCellosIS	ENCEPHALITIS			DIPHTHERIA		HEPATITIS		
	1966	1965		Primary including unsp. cases		Post- Infectious	1966	1965	Serum	Infectious	Both Types
				1966	1965						
UNITED STATES...	52	34	3	30	25	9	-	2	38	732	614
NEW ENGLAND.....	3	-	-	3	2	2	-	-	2	48	28
Maine.....	-	-	-	-	-	-	-	-	-	10	8
New Hampshire.....	-	-	-	-	-	-	-	-	-	1	-
Vermont.....	-	-	-	-	1	-	-	-	-	-	1
Massachusetts.....	1	-	-	-	-	2	-	-	2	25	10
Rhode Island.....	2	-	-	3	-	-	-	-	-	1	3
Connecticut.....	-	-	-	-	1	-	-	-	-	11	6
MIDDLE ATLANTIC.....	2	3	1	9	9	-	-	-	22	102	124
New York City.....	1	1	-	6	3	-	-	-	15	27	39
New York, Up-State.....	-	1	1	2	3	-	-	-	4	32	43
New Jersey.....	-	1	-	-	3	-	-	-	3	24	19
Pennsylvania.....	1	-	-	1	-	-	-	-	-	19	23
EAST NORTH CENTRAL...	-	2	-	8	3	3	-	-	-	129	124
Ohio.....	-	-	-	6	1	-	-	-	-	31	30
Indiana.....	-	1	-	1	-	-	-	-	-	2	5
Illinois.....	-	-	-	-	1	2	-	-	-	24	23
Michigan.....	-	1	-	1	1	1	-	-	-	39	53
Wisconsin.....	-	-	-	-	-	-	-	-	-	33	13
WEST NORTH CENTRAL...	-	6	-	1	1	-	-	-	1	51	35
Minnesota.....	-	5	-	1	-	-	-	-	-	9	17
Iowa.....	-	-	-	-	-	-	-	-	-	1	7
Missouri.....	-	1	-	-	1	-	-	-	1	30	2
North Dakota.....	-	-	-	-	-	-	-	-	-	8	-
South Dakota.....	-	-	-	-	-	-	-	-	-	-	-
Nebraska.....	-	-	-	-	-	-	-	-	-	1	-
Kansas.....	-	-	-	-	-	-	-	-	-	2	9
SOUTH ATLANTIC.....	8	1	-	1	-	1	-	-	1	85	62
Delaware.....	1	-	-	1	-	-	-	-	-	4	8
Maryland.....	1	-	-	-	-	-	-	-	-	16	18
Dist. of Columbia..	-	-	-	-	-	-	-	-	-	2	1
Virginia.....	-	-	-	-	-	-	-	-	-	14	12
West Virginia.....	-	-	-	-	-	-	-	-	-	5	4
North Carolina.....	1	1	-	-	-	-	-	-	1	5	1
South Carolina.....	-	-	-	-	-	-	-	-	-	3	3
Georgia.....	-	-	-	-	-	-	-	-	-	26	4
Florida.....	5	-	-	-	-	1	-	-	-	10	11
EAST SOUTH CENTRAL...	2	1	-	-	1	-	-	2	-	47	38
Kentucky.....	1	1	-	-	-	-	-	-	-	13	12
Tennessee.....	1	-	-	-	1	-	-	-	-	26	12
Alabama.....	-	-	-	-	-	-	-	2	-	4	9
Mississippi.....	-	-	-	-	-	-	-	-	-	4	5
WEST SOUTH CENTRAL...	12	6	1	3	2	-	-	-	2	66	45
Arkansas.....	-	-	-	1	1	-	-	-	-	3	5
Louisiana.....	1	-	-	1	-	-	-	-	2	14	6
Oklahoma.....	-	-	-	-	-	-	-	-	-	5	-
Texas.....	11	6	1	1	1	-	-	-	-	44	34
MOUNTAIN.....	-	2	-	-	-	-	-	-	-	50	25
Montana.....	-	-	-	-	-	-	-	-	-	4	5
Idaho.....	-	-	-	-	-	-	-	-	-	2	1
Wyoming.....	-	-	-	-	-	-	-	-	-	-	1
Colorado.....	-	-	-	-	-	-	-	-	-	5	8
New Mexico.....	-	-	-	-	-	-	-	-	-	19	3
Arizona.....	-	1	-	-	-	-	-	-	-	10	6
Utah.....	-	1	-	-	-	-	-	-	-	10	1
Nevada.....	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	25	13	1	5	7	3	-	-	10	154	133
Washington.....	1	1	-	-	-	2	-	-	-	17	10
Oregon.....	2	1	-	1	1	-	-	-	-	21	16
California.....	21	11	1	4	6	1	-	-	10	115	103
Alaska.....	-	-	-	-	-	-	-	-	-	1	2
Hawaii.....	1	-	-	-	-	-	-	-	-	-	2
Puerto Rico.....	-	-	-	-	-	-	-	1	-	28	15

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CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

DECEMBER 10, AND DECEMBER 11, 1965 (49th WEEK) - CONTINUED

AREA	MEASLES (Rubeola)			MENINGOCOCCAL INFECTIONS, TOTAL			POLIOMYELITIS				RUBELLA
	1966	Cumulative		1966	Cumulative		Total		Paralytic		
		1966	1965		1966	1965	1966	1965	1966	Cumulative 1966	
UNITED STATES...	1,338	199,168	256,450	53	3,230	2,848	1	2	1	89	407
NEW ENGLAND.....	42	2,560	37,231	2	149	147	-	-	-	-	36
Maine.....	9	294	2,919	-	12	18	-	-	-	-	8
New Hampshire.....	-	80	383	-	9	9	-	-	-	-	-
Vermont.....	21	344	1,407	-	4	8	-	-	-	-	-
Massachusetts.....	6	831	19,374	-	62	55	-	-	-	-	6
Rhode Island.....	-	73	3,957	2	19	18	-	-	-	-	2
Connecticut.....	6	938	9,191	-	43	39	-	-	-	-	20
MIDDLE ATLANTIC.....	67	18,480	17,361	16	428	381	-	-	-	1	14
New York City.....	5	8,365	3,261	1	65	63	-	-	-	-	8
New York, Up-State.....	27	2,648	4,412	1	112	109	-	-	-	-	6
New Jersey.....	18	1,986	3,425	10	129	101	-	-	-	-	-
Pennsylvania.....	17	5,481	6,263	4	122	108	-	-	-	1	-
EAST NORTH CENTRAL...	153	70,133	61,066	8	510	432	-	-	-	7	71
Ohio.....	8	6,452	9,130	2	148	118	-	-	-	2	12
Indiana.....	17	5,804	2,313	-	88	48	-	-	-	1	13
Illinois.....	34	11,520	3,631	2	91	118	-	-	-	3	10
Michigan.....	49	15,036	27,613	2	130	100	-	-	-	1	10
Wisconsin.....	45	31,321	18,379	2	53	48	-	-	-	-	26
WEST NORTH CENTRAL...	103	9,231	17,303	1	166	137	-	-	-	1	27
Minnesota.....	7	1,681	808	1	36	32	-	-	-	1	2
Iowa.....	5	5,413	9,261	-	22	12	-	-	-	-	19
Missouri.....	-	538	2,661	-	64	54	-	-	-	-	1
North Dakota.....	63	1,374	3,995	-	11	13	-	-	-	-	5
South Dakota.....	-	40	116	-	6	3	-	-	-	-	-
Nebraska.....	28	185	462	-	11	10	-	-	-	-	-
Kansas.....	NN	NN	NN	-	16	13	-	-	-	-	-
SOUTH ATLANTIC.....	121	16,004	26,514	12	548	537	-	-	-	2	35
Delaware.....	4	267	516	2	7	11	-	-	-	-	-
Maryland.....	-	2,123	1,240	-	49	53	-	-	-	-	1
Dist. of Columbia..	-	390	127	1	15	11	-	-	-	-	-
Virginia.....	12	2,251	4,194	1	64	71	-	-	-	-	3
West Virginia.....	29	5,523	14,659	2	47	29	-	-	-	1	1
North Carolina.....	49	670	412	5	139	112	-	-	-	-	-
South Carolina.....	1	664	1,167	-	54	65	-	-	-	-	8
Georgia.....	-	241	628	-	77	61	-	-	-	1	-
Florida.....	26	3,875	3,571	1	96	124	-	-	-	-	22
EAST SOUTH CENTRAL...	171	20,568	15,521	2	277	219	-	1	-	4	56
Kentucky.....	25	4,834	3,473	1	96	86	-	-	-	-	44
Tennessee.....	36	12,643	8,547	1	93	68	-	-	-	-	12
Alabama.....	26	1,788	2,353	-	59	38	-	-	-	1	-
Mississippi.....	84	1,303	1,148	-	29	27	-	1	-	3	-
WEST SOUTH CENTRAL...	327	26,433	31,933	6	431	359	1	1	1	71	2
Arkansas.....	12	994	1,188	1	37	18	-	-	-	1	-
Louisiana.....	1	100	121	2	163	194	-	-	-	1	-
Oklahoma.....	52	630	233	1	23	21	-	-	-	1	-
Texas.....	262	24,709	30,391	2	208	126	1	1	1	68	2
MOUNTAIN.....	74	12,571	20,709	-	94	102	-	-	-	-	12
Montana.....	7	1,910	3,894	-	5	2	-	-	-	-	7
Idaho.....	14	1,690	2,985	-	5	13	-	-	-	-	1
Wyoming.....	1	234	873	-	6	6	-	-	-	-	-
Colorado.....	22	1,429	5,957	-	49	28	-	-	-	-	-
New Mexico.....	10	1,220	688	-	10	11	-	-	-	-	-
Arizona.....	8	5,359	1,451	-	13	20	-	-	-	-	4
Utah.....	2	664	4,636	-	1	17	-	-	-	-	-
Nevada.....	10	65	225	-	5	5	-	-	-	-	-
PACIFIC.....	280	23,188	28,812	6	627	534	-	-	-	3	154
Washington.....	120	4,854	7,494	2	54	47	-	-	-	2	98
Oregon.....	97	2,435	3,447	1	41	37	-	-	-	-	14
California.....	57	15,116	13,614	3	510	424	-	-	-	1	40
Alaska.....	4	619	205	-	18	18	-	-	-	-	1
Hawaii.....	2	164	4,052	-	4	8	-	-	-	-	1
Puerto Rico.....	56	3,412	2,826	1	18	11	-	-	-	1	-

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CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
DECEMBER 10, 1966 AND DECEMBER 11, 1965 (49th WEEK) - CONTINUED

AREA	STREPTOCOCCAL SORE THROAT & SCARLET FEVER		TETANUS		TULAREMIA		TYPHOID		TYPHUS FEVER TICK-BORNE (Rky. Mt. Spotted)		RABIES IN ANIMALS	
	1966	1966	1966	Cum. 1966	1966	Cum. 1966	1966	Cum. 1966	1966	Cum. 1966	1966	Cum. 1966
UNITED STATES...	9,718	2	186		4	169	11	363	6	248	64	3,798
NEW ENGLAND.....	1,355	-	4		-	1	-	13	-	3	-	86
Maine.....	84	-	-		-	-	-	-	-	-	-	26
New Hampshire.....	14	-	-		-	-	-	-	-	-	-	30
Vermont.....	106	-	-		-	-	-	-	-	-	-	25
Massachusetts.....	176	-	2		1	-	9	-	1	-	-	4
Rhode Island.....	127	-	-		-	-	-	-	-	-	-	-
Connecticut.....	848	-	2		-	-	4	-	2	-	-	1
MIDDLE ATLANTIC.....	290	-	15		-	-	3	60	2	49	4	225
New York City.....	12	-	5		-	-	-	25	-	-	-	1
New York, Up-State.	229	-	2		-	-	2	14	-	13	4	208
New Jersey.....	NN	-	3		-	-	-	8	1	16	-	-
Pennsylvania.....	49	-	5		-	-	1	13	1	20	-	16
EAST NORTH CENTRAL...	979	-	21		2	22	2	46	-	20	4	483
Ohio.....	128	-	5		-	3	1	21	-	9	1	201
Indiana.....	104	-	4		1	11	-	5	-	-	-	111
Illinois.....	245	-	4		1	7	1	7	-	11	2	74
Michigan.....	278	-	6		-	-	-	7	-	-	-	42
Wisconsin.....	224	-	2		-	1	-	6	-	-	1	55
WEST NORTH CENTRAL...	431	-	15		-	19	-	34	-	4	24	876
Minnesota.....	12	-	3		-	1	-	1	-	-	5	208
Iowa.....	162	-	2		-	-	-	5	-	-	4	161
Missouri.....	3	-	8		-	10	-	18	-	3	3	248
North Dakota.....	161	-	-		-	-	-	1	-	-	3	56
South Dakota.....	11	-	-		-	4	-	-	-	-	9	114
Nebraska.....	3	-	1		-	2	-	2	-	-	-	28
Kansas.....	79	-	1		-	2	-	7	-	1	-	61
SOUTH ATLANTIC.....	920	1	36		1	14	3	70	4	114	12	491
Delaware.....	13	-	-		-	-	-	1	-	2	-	-
Maryland.....	115	-	3		1	4	-	12	1	27	-	3
Dist. of Columbia..	-	-	-		-	-	-	2	-	-	-	-
Virginia.....	232	-	6		-	2	-	16	-	31	6	248
West Virginia.....	255	-	-		-	1	-	1	-	-	1	59
North Carolina.....	25	-	4		-	3	-	6	-	27	-	4
South Carolina.....	94	-	2		-	1	2	15	-	5	-	-
Georgia.....	6	-	8		-	3	-	4	3	22	4	106
Florida.....	180	1	13		-	-	1	13	-	-	1	71
EAST SOUTH CENTRAL...	1,459	-	26		-	24	2	46	-	43	13	492
Kentucky.....	200	-	2		-	2	-	10	-	9	1	117
Tennessee.....	1,073	-	7		-	14	2	24	-	25	12	333
Alabama.....	169	-	8		-	4	-	6	-	7	-	20
Mississippi.....	17	-	9		-	4	-	6	-	2	-	22
WEST SOUTH CENTRAL...	870	-	45		1	74	1	35	-	10	6	742
Arkansas.....	6	-	4		-	56	-	4	-	2	-	82
Louisiana.....	3	-	12		-	4	-	10	-	-	1	53
Oklahoma.....	60	-	3		-	7	1	10	-	7	-	182
Texas.....	801	-	26		1	7	-	11	-	1	5	425
MOUNTAIN.....	1,763	-	2		-	12	-	16	-	4	-	96
Montana.....	63	-	-		-	2	-	-	-	-	-	7
Idaho.....	188	-	-		-	-	-	-	-	-	-	-
Wyoming.....	93	-	-		-	6	-	-	-	1	-	-
Colorado.....	824	-	2		-	-	-	3	-	2	-	18
New Mexico.....	249	-	-		-	1	-	2	-	1	-	17
Arizona.....	194	-	-		-	1	-	5	-	-	-	42
Utah.....	145	-	-		-	2	-	5	-	-	-	3
Nevada.....	7	-	-		-	-	-	1	-	-	-	9
PACIFIC.....	1,651	1	22		-	3	-	43	-	1	1	307
Washington.....	379	-	-		-	-	-	13	-	-	-	15
Oregon.....	67	-	1		-	-	-	1	-	-	-	4
California.....	1,129	1	21		-	3	-	27	-	1	1	288
Alaska.....	27	-	-		-	-	-	-	-	-	-	-
Hawaii.....	49	-	-		-	-	-	2	-	-	-	-
Puerto Rico.....	3	1	54		-	-	-	18	-	-	1	19

Morbidity and Mortality Weekly Report

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Week No.

DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED DECEMBER 10, 1966

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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:	752	458	26	42	SOUTH ATLANTIC:	1,222	617	51	53
Boston, Mass.-----	256	146	7	16	Atlanta, Ga.-----	144	72	9	4
Bridgeport, Conn.-----	41	31	2	-	Baltimore, Md.-----	225	97	4	10
Cambridge, Mass.-----	28	22	-	-	Charlotte, N. C.-----	53	24	1	2
Fall River, Mass.-----	27	17	-	3	Jacksonville, Fla.-----	94	36	3	4
Hartford, Conn.-----	65	30	3	6	Miami, Fla.-----	100	54	1	6
Lowell, Mass.-----	39	27	3	1	Norfolk, Va.-----	53	28	2	4
Lynn, Mass.-----	20	13	1	1	Richmond, Va.-----	91	53	3	6
New Bedford, Mass.-----	23	13	-	-	Savannah, Ga.-----	27	14	3	2
New Haven, Conn.-----	51	26	2	5	St. Petersburg, Fla.-----	89	70	3	1
Providence, R. I.-----	45	31	-	1	Tampa, Fla.-----	109	62	17	5
Somerville, Mass.-----	18	9	-	2	Washington, D. C.-----	185	80	4	9
Springfield, Mass.-----	52	33	6	1	Wilmington, Del.-----	52	27	1	-
Waterbury, Conn.-----	41	28	-	3	EAST SOUTH CENTRAL:	689	350	32	47
Worcester, Mass.-----	46	32	2	3	Birmingham, Ala.-----	93	42	3	2
MIDDLE ATLANTIC:	3,389	1,970	131	153	Chattanooga, Tenn.-----	47	32	4	2
Albany, N. Y.-----	61	34	1	2	Knoxville, Tenn.-----	54	41	6	2
Allentown, Pa.-----	30	16	1	1	Louisville, Ky.-----	152	88	4	7
Buffalo, N. Y.-----	159	90	6	7	Memphis, Tenn.-----	161	73	3	23
Camden, N. J.-----	32	18	2	-	Mobile, Ala.-----	50	23	-	4
Elizabeth, N. J.-----	36	21	2	1	Montgomery, Ala.-----	43	19	4	2
Erie, Pa.-----	48	30	1	-	Nashville, Tenn.-----	89	32	8	5
Jersey City, N. J.-----	53	34	4	4	WEST SOUTH CENTRAL:	1,116	562	32	92
Newark, N. J.-----	98	49	10	6	Austin, Tex.-----	32	18	1	1
New York City, N. Y.-----	1,758	1,033	64	73	Baton Rouge, La.-----	24	13	1	2
Paterson, N. J.-----	52	33	1	2	Corpus Christi, Tex.-----	19	6	-	2
Philadelphia, Pa.-----	482	271	11	26	Dallas, Tex.-----	151	70	2	9
Pittsburgh, Pa.-----	199	100	1	12	El Paso, Tex.-----	25	11	1	-
Reading, Pa.-----	66	46	6	2	Fort Worth, Tex.-----	96	53	1	10
Rochester, N. Y.-----	109	69	6	6	Houston, Tex.-----	205	97	4	15
Schenectady, N. Y.-----	30	14	4	-	Little Rock, Ark.-----	61	34	3	3
Scranton, Pa.-----	30	21	1	1	New Orleans, La.-----	180	86	11	22
Syracuse, N. Y.-----	59	35	2	6	Oklahoma City, Okla.-----	97	50	3	7
Trenton, N. J.-----	21	10	1	3	San Antonio, Tex.-----	106	59	2	9
Utica, N. Y.-----	21	16	4	-	Shreveport, La.-----	61	31	2	7
Yonkers, N. Y.-----	45	30	3	1	Tulsa, Okla.-----	59	34	1	5
EAST NORTH CENTRAL:	2,820	1,609	85	159	MOUNTAIN:	409	231	24	18
Akron, Ohio-----	68	41	-	5	Albuquerque, N. Mex.-----	36	20	4	2
Canton, Ohio-----	37	19	1	1	Colorado Springs, Colo.-----	24	15	3	2
Chicago, Ill.-----	787	438	34	46	Denver, Colo.-----	96	51	2	4
Cincinnati, Ohio-----	183	99	2	8	Ogden, Utah-----	8	5	1	-
Cleveland, Ohio-----	228	139	2	9	Phoenix, Ariz.-----	123	69	8	6
Columbus, Ohio-----	143	78	3	9	Pueblo, Colo.-----	20	16	1	-
Dayton, Ohio-----	97	55	2	4	Salt Lake City, Utah-----	51	28	1	1
Detroit, Mich.-----	379	193	10	27	Tucson, Ariz.-----	51	27	4	3
Evansville, Ind.-----	47	31	1	4	PACIFIC:	1,832	1,113	51	88
Flint, Mich.-----	55	30	4	5	Berkeley, Calif.-----	28	21	-	3
Fort Wayne, Ind.-----	51	32	4	2	Fresno, Calif.-----	40	16	4	6
Gary, Ind.-----	42	20	3	2	Glendale, Calif.-----	43	31	1	1
Grand Rapids, Mich.-----	64	47	2	2	Honolulu, Hawaii-----	37	19	-	2
Indianapolis, Ind.-----	164	87	3	12	Long Beach, Calif.-----	64	44	4	4
Madison, Wis.-----	40	23	-	9	Los Angeles, Calif.-----	681	438	11	26
Milwaukee, Wis.-----	146	85	4	9	Oakland, Calif.-----	94	49	5	6
Peoria, Ill.-----	48	28	-	3	Pasadena, Calif.-----	44	36	-	-
Rockford, Ill.-----	32	18	2	2	Portland, Oreg.-----	126	78	3	5
South Bend, Ind.-----	37	28	5	-	Sacramento, Calif.-----	75	45	1	2
Toledo, Ohio-----	110	72	3	6	San Diego, Calif.-----	99	48	5	15
Youngstown, Ohio-----	62	46	-	3	San Francisco, Calif.-----	188	109	4	5
WEST NORTH CENTRAL:	887	527	30	47	San Jose, Calif.-----	40	18	2	1
Des Moines, Iowa-----	63	45	3	2	Seattle, Wash.-----	191	110	8	11
Duluth, Minn.-----	27	12	-	-	Spokane, Wash.-----	45	32	2	1
Kansas City, Kans.-----	44	26	4	6	Tacoma, Wash.-----	37	19	1	-
Kansas City, Mo.-----	126	74	4	6	Total	13,116	7,437	462	699
Lincoln, Nebr.-----	26	18	-	2	Cumulative Totals including reported corrections for previous weeks				
Minneapolis, Minn.-----	141	84	3	8	All Causes, All Ages-----				613,374
Omaha, Nebr.-----	61	33	1	3	All Causes, Age 65 and over-----				351,151
St. Louis, Mo.-----	237	141	9	8	Pneumonia and Influenza, All Ages-----				25,003
St. Paul, Minn.-----	77	46	2	5	All Causes, Under 1 Year of Age-----				32,763
Wichita, Kans.-----	85	48	4	7					

GASTROENTERITIS - Oregon

(Continued from page 427)

was not refrigerated again before the 1:00 p.m. luncheon.

The chicken salad was found to be contaminated with *Clostridium perfringens* with anaerobic colony counts of 60,000/gram and 11,400/gram on two occasions. The organism has not yet been typed with Hobbs' sera. The lot number of the cans used to make the chicken salad could not be determined. However, the two remaining sealed cans of dehydrated chicken which had different lot numbers but were taken from the same shipment were cultured and found to be negative. Other foods served were cultured and also were negative.

On Saturday, October 15, a similar luncheon was served to a large group of people in Oregon. The chicken salad was prepared in the same manner but on the same day as the luncheon. Salad not eaten at lunch was served to a small group for dinner. There was no leftover chicken salad. No reported illness followed the Saturday luncheon or dinner.

(Reported by Dr. Edward L. Goldblatt, State Epidemiologist, Oregon State Board of Health; and Mr. Jon F. Thompson, Senior Sanitarian, Mr. Ron Anderson, Sanitarian, Dr. C. J. Rademacher, Acting County Health Officer, and several public health nurses, all of the Tri-County Health Department, Portland, Oregon; and an EIS Officer.)

Editorial Note:

In the first well-documented report of *Clostridium perfringens* (*C. welchii*) food poisoning in the United States, which was published in 1945, chicken was incriminated as the source of the contamination.¹ Since then, poultry frequently has been implicated on epidemiological grounds as the cause of outbreaks. In addition, *C. perfringens* has been isolated from poultry in different food surveys.^{2,3}

This report of the Oregon luncheon offers presumptive evidence of *C. perfringens* food poisoning. Supporting this are the classical food preparation history, the typical epidemic curve, clinical features, incubation period, and the isolation of *C. perfringens* from the chicken salad despite the relatively low anaerobic colony counts. The food histories indicated the chicken salad as a possible vehicle of infection although too small a number of people did not eat the salad to provide definitive evidence. Considering the ubiquity of this organism, it would have been desirable to obtain *C. perfringens* isolates not only from stools of the patients, and test them for specific serotypes.

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- McKillop, Elizabeth J.: Bacterial contamination of hospital food with special reference to *Clostridium welchii* food poisoning. *J. Hyg.* 57:31-49, 1959.

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IN ADDITION TO THE ESTABLISHED PROCEDURES FOR REPORTING MORBIDITY AND MORTALITY, THE COMMUNICABLE DISEASE CENTER WELCOMES ACCOUNTS OF INTERESTING OUTBREAKS OR 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
COMMUNICABLE DISEASE CENTER
ATLANTA, GEORGIA 30333

NOTE: THE DATA IN THIS REPORT ARE PROVISIONAL AND ARE BASED ON WEEKLY TELEGRAMS TO THE CDC 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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