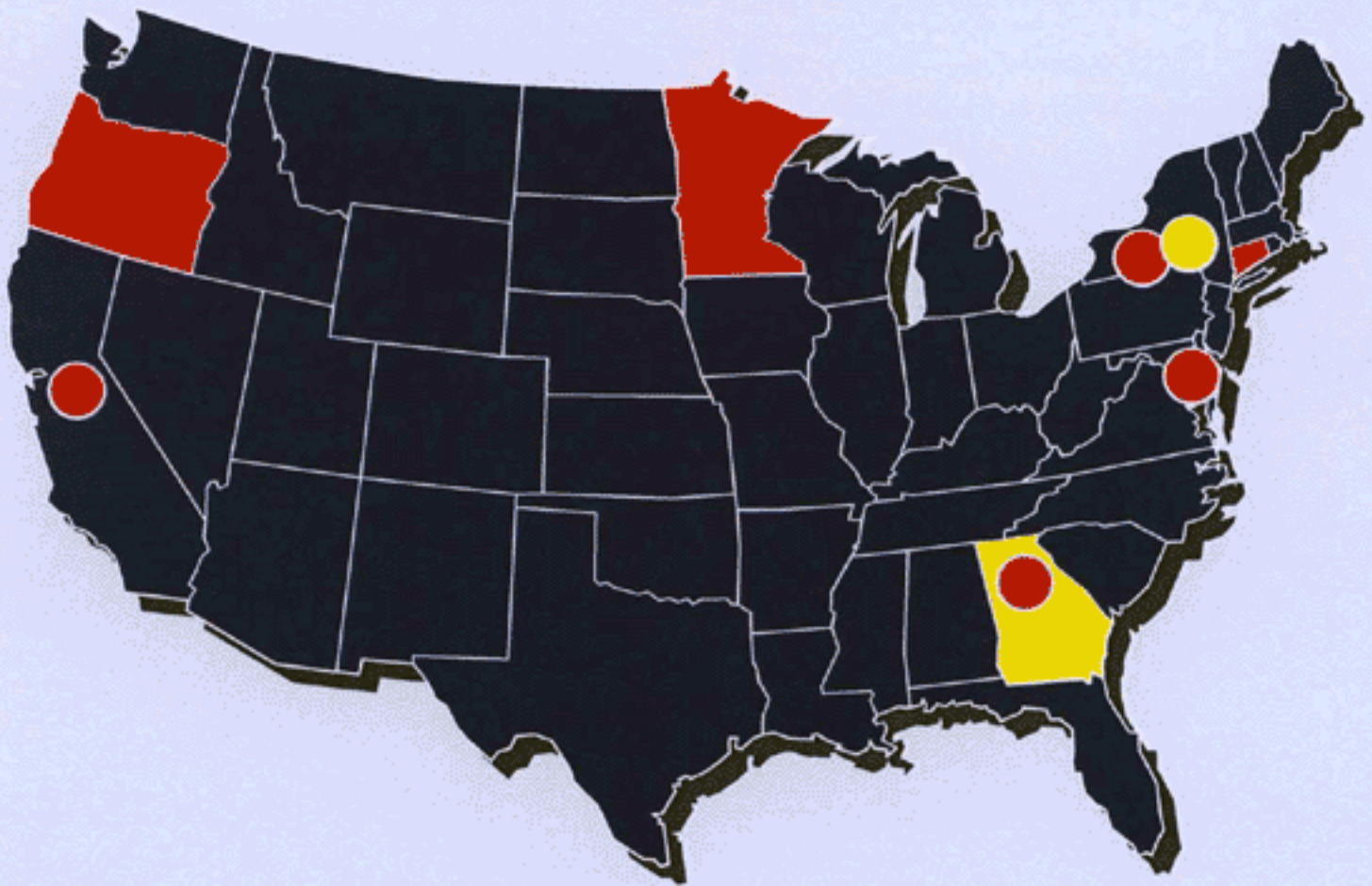


FoodNet Surveillance Report for 1998 (Final Report)



FoodNet
Foodborne Diseases Active Surveillance Network
CDC's Emerging Infections Program

Centers for Disease Control and Prevention
Division of Bacterial and Mycotic Diseases
Foodborne and Diarrheal Diseases Branch
March 2000



U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Public Health Service
Centers for Disease Control and Prevention

CDC
CENTERS FOR DISEASE CONTROL
AND PREVENTION

The *Revised 1996 Final FoodNet Surveillance Report* provides revised 1996 incidence rates for data published in the United States Department of Agriculture's (USDA) 1996 Report to Congress, the *FoodNet 1996 Final Report*, and the Morbidity and Mortality Weekly Report (*Foodborne Diseases Active Surveillance Network, 1996* March 28th, 1997 vol 46 No. 12 pgs 258-261). All previously reported 1996 incidence rates were calculated using the United States Census Bureau 1990 census data. Incidence rates in this report were recalculated using the U.S. Census Bureau 1996 postcensus estimates, which became available in August, 1996. This report, *FoodNet 1996 Final Report*, and the Morbidity and Mortality Weekly Report have the same number of cases; only the incidence rates (tables 2a, 2b, 3, 6, 6a-e) have been changed using the 1996 postcensus estimates. The USDA's report only included cases as of February 15, 1997. After the USDA report was written, but before the official surveillance closeout date, additional cases were reported to the Centers for Disease Control and Prevention (CDC).

These data are reported by the Foodborne Diseases Active Surveillance Network (FoodNet). FoodNet is the principal foodborne disease component of the CDC's Emerging Infections Program (EIP). FoodNet is a collaborative project among CDC, USDA, the Food and Drug Administration (FDA), and the state health departments of the FoodNet sites.

The objectives of FoodNet are to determine the frequency and severity of foodborne diseases; determine the proportion of common foodborne diseases that results from eating specific foods; and describe the epidemiology of new and emerging bacterial and parasitic foodborne pathogens. To address these objectives, FoodNet uses active surveillance and conducts related epidemiologic studies. By monitoring the burden of foodborne diseases over time, FoodNet will document the effectiveness of new food safety initiatives, such as the USDA Pathogen Reduction and Hazard Analysis and Critical Control Points (HACCP) Rule, in decreasing the number of cases of foodborne diseases in the United States each year.

In 1996, FoodNet conducted population-based active surveillance for confirmed cases of *Campylobacter*, *Escherichia coli* O157, *Listeria*, *Salmonella*, *Shigella*, *Vibrio*, and *Yersinia*

infections in Minnesota, Oregon, and selected counties in California, Connecticut, and Georgia (population 14.3 million). To identify all cases of laboratory-confirmed disease, FoodNet personnel contact each of the clinical laboratories within the catchment areas, either weekly or monthly, depending on the size of the clinical laboratory.

Further information concerning FoodNet can be obtained by contacting the Foodborne and Diarrheal Diseases Branch at telephone number 404.639.2206 or via the internet at <http://www.cdc.gov/ncidod/dbmd/foodnet/foodnet.htm>.

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Rates per 100,000 by pathogen per month

Campylobacter

Escherichia coli O157

Listeria

Salmonella

Salmonella Enteritidis

Salmonella Typhimurium

Salmonella Heidelberg

Salmonella Newport

Salmonella Montevideo

Salmonella Agona

Shigella

Shigella sonnei

Shigella flexneri

Shigella dysenteriae

Vibrio

Yersinia

Age-specific rates per 100,000 distribution by pathogen

Campylobacter

Escherichia coli O157

Listeria

Salmonella

Shigella

Vibrio

Yersinia

CDC's EMERGING INFECTIONS PROGRAM

CDC/USDA/FDA Foodborne Diseases Active Surveillance Network (FoodNet)
FoodNet 1996 Final Report

Population in Catchment Areas:		Percent
California*.....	2,063,454	14.4%
Connecticut*.....	1,626,366	11.4%
Georgia.....	2,729,783	19.1%
Minnesota.....	4,657,758	32.6%
Oregon.....	3,203,735	22.4%
Total.....	14,281,096	100.0%
United States Population.....	265,189,612	

* Selected Counties

NOTE: All population denominators originate from 1996 Postcensus
Population Estimates.

CDC's Emerging Infections Program (FoodNet)
 FoodNet 1996 Final Report
 Table 1a - Percent Site by Pathogen

		Site					Total
		Ca.	Ct.	Ga.	Mn.	Or.	
Pathogen							
CAMPYLOBACTER	Cases	1181	265	326	891	696	3359
	Percent	35.2	7.9	9.7	26.5	20.7	100.0
E. COLI 0157	Cases	22	38	15	240	73	388
	Percent	5.7	9.8	3.9	61.9	18.8	100.0
LISTERIA	Cases	14	15	12	10	15	66
	Percent	21.2	22.7	18.2	15.2	22.7	100.0
SALMONELLA	Cases	377	284	388	644	376	2069
	Percent	18.2	13.7	18.8	31.1	18.2	100.0
SHIGELLA	Cases	376	107	482	166	141	1272
	Percent	29.6	8.4	37.9	13.1	11.1	100.0
VIBRIO	Cases	8	1	4	4	4	21
	Percent	38.1	4.8	19.0	19.0	19.0	100.0
YERSINIA	Cases	18	20	65	29	17	149
	Percent	12.1	13.4	43.6	19.5	11.4	100.0
Total	Cases	1996	730	1292	1984	1322	7324
	Percent	27.3	10.0	17.6	27.1	18.1	100.0

CDC's Emerging Infections Program (FoodNet)
 FoodNet 1996 Final Report
 Table 1b - Percent Pathogen by Site

		Pathogen							Total
		CAMPY- LOBAC- TER	E. COLI 0157	LISTE- RIA	SALMO- NELLA	SHIGE- LLA	VIBRIO	YERSI- NIA	
Site									
Ca.	Cases	1181	22	14	377	376	8	18	1996
	Percent	59.2	1.1	0.7	18.9	18.8	0.4	0.9	100.0
Ct.	Cases	265	38	15	284	107	1	20	730
	Percent	36.3	5.2	2.1	38.9	14.7	0.1	2.7	100.0
Ga.	Cases	326	15	12	388	482	4	65	1292
	Percent	25.2	1.2	0.9	30.0	37.3	0.3	5.0	100.0
Mn.	Cases	891	240	10	644	166	4	29	1984
	Percent	44.9	12.1	0.5	32.5	8.4	0.2	1.5	100.0
Or.	Cases	696	73	15	376	141	4	17	1322
	Percent	52.6	5.5	1.1	28.4	10.7	0.3	1.3	100.0
Total	Cases	3359	388	66	2069	1272	21	149	7324
	Percent	45.9	5.3	0.9	28.2	17.4	0.3	2.0	100.0

CDC's Emerging Infections Program (FoodNet)
 FoodNet 1996 Final Report
 Table 2a - Cases per 100,000 by Pathogen for All Sites

	Cases per 100,000	Total Cases
Pathogen		
CAMPYLOBACTER	23.5	3359
E. COLI 0157	2.7	388
LISTERIA	0.5	66
SALMONELLA	14.5	2069
SHIGELLA	8.9	1272
VIBRIO	0.1	21
YERSINIA	1.0	149
Total	51.3	7324

CDC's Emerging Infections Program (FoodNet)
 FoodNet 1996 Final Report
 Table 2b - Cases per 100,000 by Pathogen by Site

	Cases per 100,000				
	Ca.	Ct.	Ga.	Mn.	Or.
Pathogen					
CAMPYLOBACTER	57.2	16.3	11.9	19.1	21.7
E. COLI O157	1.1	2.3	0.5	5.2	2.3
LISTERIA	0.7	0.9	0.4	0.2	0.5
SALMONELLA	18.3	17.5	14.2	13.8	11.7
SHIGELLA	18.2	6.6	17.7	3.6	4.4
VIBRIO	0.4	0.1	0.1	0.1	0.1
YERSINIA	0.9	1.2	2.4	0.6	0.5
Total	96.7	44.9	47.3	42.6	41.3

CDC's Emerging Infections Program (FoodNet)
 FoodNet 1996 Final Report
 Table 3 - Cases per 100,000 by Month by Pathogen for All Sites

Cases per 100,000	Month											
	JAN96	FEB96	MAR96	APR96	MAY96	JUN96	JUL96	AUG96	SEP96	OCT96	NOV96	DEC96
Pathogen												
CAMPYLOBACTER	1.4	1.5	1.5	1.4	2.0	2.8	2.9	2.5	2.2	1.9	2.1	1.2
E. COLI 0157	0.0	0.1	0.0	0.0	0.1	0.4	0.5	0.5	0.7	0.3	0.1	0.0
LISTERIA	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0
SALMONELLA	1.2	1.1	0.9	0.9	1.1	1.4	1.9	1.6	1.5	1.0	0.9	1.1
SHIGELLA	0.8	0.7	0.7	0.5	0.7	0.6	1.0	1.0	0.8	0.8	0.9	0.5
VIBRIO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
YERSINIA	0.2	0.1	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.2

CDC's Emerging Infections Program (FoodNet)
 FoodNet 1996 Final Report
 Table 4 - Pathogen by Month Collected for All Sites

Cases	Month												Total
	JAN96	FEB96	MAR96	APR96	MAY96	JUN96	JUL96	AUG96	SEP96	OCT96	NOV96	DEC96	
Pathogen													
CAMPYLOBACTER	202	215	220	196	290	393	414	360	321	271	299	178	3359
E. COLI O157	7	11	6	4	14	59	68	66	95	36	16	6	388
LISTERIA	8	2	5	4	4	6	3	9	10	6	5	4	66
SALMONELLA	175	152	126	127	156	197	269	231	216	138	127	155	2069
SHIGELLA	109	101	104	73	95	90	139	137	110	117	129	68	1272
VIBRIO	0	0	0	0	2	1	2	6	4	4	0	2	21
YERSINIA	26	18	6	12	6	11	10	7	5	13	12	23	149
Total	527	499	467	416	567	757	905	816	761	585	588	436	7324

CDC's Emerging Infections Program (FoodNet)
 FoodNet 1996 Final Report
 Tables 4a through 4e - Pathogen by Month Collected by Site

Table 4a: Site = California

Cases	Month												Total
	JAN96	FEB96	MAR96	APR96	MAY96	JUN96	JUL96	AUG96	SEP96	OCT96	NOV96	DEC96	
Pathogen													
CAMPYLOBACTER	78	81	82	81	103	127	116	101	112	102	126	72	1181
E. COLI 0157	-	2	1	1	1	1	3	6	2	5	-	-	22
LISTERIA	6	-	1	2	1	1	-	2	1	-	-	-	14
SALMONELLA	15	26	17	20	46	55	72	31	28	27	21	19	377
SHIGELLA	40	35	37	23	35	32	27	47	30	23	29	18	376
VIBRIO	-	-	-	-	1	-	-	3	-	2	-	2	8
YERSINIA	3	1	1	1	1	2	1	1	3	-	3	1	18
Total	142	145	139	128	188	218	219	191	176	159	179	112	1996

CDC's Emerging Infections Program (FoodNet)
 FoodNet 1996 Final Report
 Tables 4a through 4e - Pathogen by Month Collected by Site

Table 4b: Site = Connecticut

Cases	Month												Total
	JAN96	FEB96	MAR96	APR96	MAY96	JUN96	JUL96	AUG96	SEP96	OCT96	NOV96	DEC96	
Pathogen													
CAMPYLOBACTER	13	15	16	17	21	40	36	34	18	28	18	9	265
E. COLI O157	-	-	-	-	2	16	2	4	1	12	1	-	38
LISTERIA	-	1	2	-	-	1	1	4	4	2	-	-	15
SALMONELLA	20	14	15	17	21	22	30	46	38	21	17	23	284
SHIGELLA	13	9	9	12	13	10	6	15	2	3	11	4	107
VIBRIO	-	-	-	-	-	-	1	-	-	-	-	-	1
YERSINIA	3	1	-	1	-	3	3	2	-	4	1	2	20
Total	49	40	42	47	57	92	79	105	63	70	48	38	730

CDC's Emerging Infections Program (FoodNet)
 FoodNet 1996 Final Report
 Tables 4a through 4e - Pathogen by Month Collected by Site

Table 4c: Site = Georgia

Cases	Month												Total
	JAN96	FEB96	MAR96	APR96	MAY96	JUN96	JUL96	AUG96	SEP96	OCT96	NOV96	DEC96	
Pathogen													
CAMPYLOBACTER	19	24	22	18	42	42	44	31	25	27	21	11	326
E. COLI 0157	1	1	-	-	1	2	3	4	2	1	-	-	15
LISTERIA	1	-	1	-	-	1	1	2	-	1	2	3	12
SALMONELLA	39	31	21	22	35	24	38	28	36	34	31	49	388
SHIGELLA	26	29	26	24	19	26	65	47	54	68	65	33	482
VIBRIO	-	-	-	-	-	-	1	-	2	1	-	-	4
YERSINIA	17	9	3	7	3	1	2	2	-	3	4	14	65
Total	103	94	73	71	100	96	154	114	119	135	123	110	1292

CDC's Emerging Infections Program (FoodNet)
 FoodNet 1996 Final Report
 Tables 4a through 4e - Pathogen by Month Collected by Site

Table 4d: Site = Minnesota

Cases	Month												Total
	JAN96	FEB96	MAR96	APR96	MAY96	JUN96	JUL96	AUG96	SEP96	OCT96	NOV96	DEC96	
Pathogen													
CAMPYLOBACTER	56	47	49	43	49	90	126	127	105	77	74	48	891
E. COLI 0157	3	4	1	3	5	32	49	36	84	12	8	3	240
LISTERIA	-	-	1	1	1	1	-	-	2	3	1	-	10
SALMONELLA	45	38	48	37	36	59	87	97	83	39	39	36	644
SHIGELLA	13	18	12	6	9	19	29	7	11	12	21	9	166
VIBRIO	-	-	-	-	1	1	-	1	-	1	-	-	4
YERSINIA	3	2	2	1	1	2	3	2	2	6	2	3	29
Total	120	109	113	91	102	204	294	270	287	150	145	99	1984

CDC's Emerging Infections Program (FoodNet)
 FoodNet 1996 Final Report
 Tables 4a through 4e - Pathogen by Month Collected by Site

Table 4e: Site = Oregon

Cases	Month												Total
	JAN96	FEB96	MAR96	APR96	MAY96	JUN96	JUL96	AUG96	SEP96	OCT96	NOV96	DEC96	
Pathogen													
CAMPYLOBACTER	36	48	51	37	75	94	92	67	61	37	60	38	696
E. COLI O157	3	4	4	-	5	8	11	16	6	6	7	3	73
LISTERIA	1	1	-	1	2	2	1	1	3	-	2	1	15
SALMONELLA	56	43	25	31	18	37	42	29	31	17	19	28	376
SHIGELLA	17	10	20	8	19	3	12	21	13	11	3	4	141
VIBRIO	-	-	-	-	-	-	-	2	2	-	-	-	4
YERSINIA	-	5	-	2	1	3	1	-	-	-	2	3	17
Total	113	111	100	79	120	147	159	136	116	71	93	77	1322

CDC's Emerging Infections Program (FoodNet)
 FoodNet 1996 Final Report
 Table 5 - Age Distribution by Pathogen for All Sites

		Age Specific Strata									Total
		UNKNWN	0-<1 YR	1-<10 YRS	10-<20 YRS	20-<30 YRS	30-<40 YRS	40-<50 YRS	50-<60 YRS	60+	
Pathogen											
CAMPYLOBACTER	Cases	3	137	518	313	675	623	490	240	360	3359
	Percent	0.1	4.1	15.4	9.3	20.1	18.5	14.6	7.1	10.7	100.0
E. COLI O157	Cases	1	17	150	69	32	29	21	27	42	388
	Percent	0.3	4.4	38.7	17.8	8.2	7.5	5.4	7.0	10.8	100.0
SALMONELLA	Cases	4	274	425	189	309	281	219	138	230	2069
	Percent	0.2	13.2	20.5	9.1	14.9	13.6	10.6	6.7	11.1	100.0
SHIGELLA	Cases	4	31	589	82	166	217	105	46	32	1272
	Percent	0.3	2.4	46.3	6.4	13.1	17.1	8.3	3.6	2.5	100.0
LISTERIA	Cases	0	8	1	3	4	6	3	4	37	66
	Percent	0	12.1	1.5	4.5	6.1	9.1	4.5	6.1	56.1	100.0
YERSINIA	Cases	0	60	40	8	13	6	7	6	9	149
	Percent	0	40.3	26.8	5.4	8.7	4.0	4.7	4.0	6.0	100.0
VIBRIO	Cases	0	1	0	2	1	5	4	4	4	21
	Percent	0	4.8	0	9.5	4.8	23.8	19.0	19.0	19.0	100.0
Total	Cases	12	528	1723	666	1200	1167	849	465	714	7324
	Percent	0.2	7.2	23.5	9.1	16.4	15.9	11.6	6.3	9.7	100.0

CDC's Emerging Infections Program (FoodNet)
 FoodNet 1996 Final Report
 Tables 5a through 5e - Age Distribution by Pathogen by Site

Table 5a: Site = California		Age Specific Strata									Total
		UNKNWN	0-<1 YR	1-<10 YRS	10-<20 YRS	20-<30 YRS	30-<40 YRS	40-<50 YRS	50-<60 YRS	60+ YRS	
Pathogen											
CAMPYLOBACTER	Cases	1	57	189	111	267	215	148	82	111	1181
	Percent	0.1	4.8	16.0	9.4	22.6	18.2	12.5	6.9	9.4	100.0
E. COLI 0157	Cases	-	2	7	1	3	2	3	1	3	22
	Percent	-	9.1	31.8	4.5	13.6	9.1	13.6	4.5	13.6	100.0
LISTERIA	Cases	-	1	1	-	2	-	1	1	8	14
	Percent	-	7.1	7.1	-	14.3	-	7.1	7.1	57.1	100.0
SALMONELLA	Cases	2	55	72	28	59	53	37	30	41	377
	Percent	0.5	14.6	19.1	7.4	15.6	14.1	9.8	8.0	10.9	100.0
SHIGELLA	Cases	-	5	116	21	53	102	49	16	14	376
	Percent	-	1.3	30.9	5.6	14.1	27.1	13.0	4.3	3.7	100.0
VIBRIO	Cases	-	1	-	-	-	1	3	2	1	8
	Percent	-	12.5	-	-	-	12.5	37.5	25.0	12.5	100.0
YERSINIA	Cases	-	4	5	1	3	1	3	1	-	18
	Percent	-	22.2	27.8	5.6	16.7	5.6	16.7	5.6	-	100.0
Total	Cases	3	125	390	162	387	374	244	133	178	1996
	Percent	0.2	6.3	19.5	8.1	19.4	18.7	12.2	6.7	8.9	100.0

CDC's Emerging Infections Program (FoodNet)
 FoodNet 1996 Final Report
 Tables 5a through 5e - Age Distribution by Pathogen by Site

Table 5b: Site = Connecticut		Age Specific Strata									Total
		UNKNWN	0-<1 YR	1-<10 YRS	10-<20 YRS	20-<30 YRS	30-<40 YRS	40-<50 YRS	50-<60 YRS	60+ YRS	
Pathogen											
CAMPYLOBACTER	Cases	-	10	24	20	53	51	50	17	40	265
	Percent	-	3.8	9.1	7.5	20.0	19.2	18.9	6.4	15.1	100.0
E. COLI O157	Cases	-	-	11	9	1	2	4	3	8	38
	Percent	-	-	28.9	23.7	2.6	5.3	10.5	7.9	21.1	100.0
LISTERIA	Cases	-	-	-	-	-	2	-	1	12	15
	Percent	-	-	-	-	-	13.3	-	6.7	80.0	100.0
SALMONELLA	Cases	-	18	64	29	50	48	29	16	30	284
	Percent	-	6.3	22.5	10.2	17.6	16.9	10.2	5.6	10.6	100.0
SHIGELLA	Cases	-	3	58	7	16	14	3	2	4	107
	Percent	-	2.8	54.2	6.5	15.0	13.1	2.8	1.9	3.7	100.0
VIBRIO	Cases	-	-	-	-	-	-	-	-	1	1
	Percent	-	-	-	-	-	-	-	-	100.0	100.0
YERSINIA	Cases	-	6	7	-	2	-	1	-	4	20
	Percent	-	30.0	35.0	-	10.0	-	5.0	-	20.0	100.0
Total	Cases	-	37	164	65	122	117	87	39	99	730
	Percent	-	5.1	22.5	8.9	16.7	16.0	11.9	5.3	13.6	100.0

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 Tables 5a through 5e - Age Distribution by Pathogen by Site

Table 5c: Site = Georgia		Age Specific Strata									Total
		UNKNWN	0-<1 YR	1-<10 YRS	10-<20 YRS	20-<30 YRS	30-<40 YRS	40-<50 YRS	50-<60 YRS	60+ YRS	
Pathogen											
CAMPYLOBACTER	Cases	1	11	47	21	76	75	55	16	24	326
	Percent	0.3	3.4	14.4	6.4	23.3	23.0	16.9	4.9	7.4	100.0
E. COLI 0157	Cases	-	-	5	4	2	2	-	1	1	15
	Percent	-	-	33.3	26.7	13.3	13.3	-	6.7	6.7	100.0
LISTERIA	Cases	-	2	-	1	-	1	1	1	6	12
	Percent	-	16.7	-	8.3	-	8.3	8.3	8.3	50.0	100.0
SALMONELLA	Cases	2	105	109	23	42	34	33	15	25	388
	Percent	0.5	27.1	28.1	5.9	10.8	8.8	8.5	3.9	6.4	100.0
SHIGELLA	Cases	4	16	288	33	46	60	18	8	9	482
	Percent	0.8	3.3	59.8	6.8	9.5	12.4	3.7	1.7	1.9	100.0
VIBRIO	Cases	-	-	-	-	1	2	-	-	1	4
	Percent	-	-	-	-	25.0	50.0	-	-	25.0	100.0
YERSINIA	Cases	-	44	17	3	1	-	-	-	-	65
	Percent	-	67.7	26.2	4.6	1.5	-	-	-	-	100.0
Total	Cases	7	178	466	85	168	174	107	41	66	1292
	Percent	0.5	13.8	36.1	6.6	13.0	13.5	8.3	3.2	5.1	100.0

CDC's Emerging Infections Program (FoodNet)
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 Tables 5a through 5e - Age Distribution by Pathogen by Site

Table 5d: Site = Minnesota		Age Specific Strata									Total
		UNKNWN	0-<1 YR	1-<10 YRS	10-<20 YRS	20-<30 YRS	30-<40 YRS	40-<50 YRS	50-<60 YRS	60+ YRS	
Pathogen											
CAMPYLOBACTER	Cases	-	32	144	90	163	175	123	69	95	891
	Percent	-	3.6	16.2	10.1	18.3	19.6	13.8	7.7	10.7	100.0
E. COLI O157	Cases	-	14	98	46	20	17	9	15	21	240
	Percent	-	5.8	40.8	19.2	8.3	7.1	3.8	6.3	8.8	100.0
LISTERIA	Cases	-	2	-	1	2	-	-	1	4	10
	Percent	-	20.0	-	10.0	20.0	-	-	10.0	40.0	100.0
SALMONELLA	Cases	-	66	114	72	97	104	68	52	71	644
	Percent	-	10.2	17.7	11.2	15.1	16.1	10.6	8.1	11.0	100.0
SHIGELLA	Cases	-	4	79	7	29	20	18	7	2	166
	Percent	-	2.4	47.6	4.2	17.5	12.0	10.8	4.2	1.2	100.0
VIBRIO	Cases	-	-	-	2	-	-	1	1	-	4
	Percent	-	-	-	50.0	-	-	25.0	25.0	-	100.0
YERSINIA	Cases	-	5	7	1	5	3	2	3	3	29
	Percent	-	17.2	24.1	3.4	17.2	10.3	6.9	10.3	10.3	100.0
Total	Cases	-	123	442	219	316	319	221	148	196	1984
	Percent	-	6.2	22.3	11.0	15.9	16.1	11.1	7.5	9.9	100.0

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 Tables 5a through 5e - Age Distribution by Pathogen by Site

Table 5e: Site = Oregon		Age Specific Strata									Total
		UNKNWN	0-<1 YR	1-<10 YRS	10-<20 YRS	20-<30 YRS	30-<40 YRS	40-<50 YRS	50-<60 YRS	60+	
Pathogen											
CAMPYLOBACTER	Cases	1	27	114	71	116	107	114	56	90	696
	Percent	0.1	3.9	16.4	10.2	16.7	15.4	16.4	8.0	12.9	100.0
E. COLI 0157	Cases	1	1	29	9	6	6	5	7	9	73
	Percent	1.4	1.4	39.7	12.3	8.2	8.2	6.8	9.6	12.3	100.0
LISTERIA	Cases	-	3	-	1	-	3	1	-	7	15
	Percent	-	20.0	-	6.7	-	20.0	6.7	-	46.7	100.0
SALMONELLA	Cases	-	30	66	37	61	42	52	25	63	376
	Percent	-	8.0	17.6	9.8	16.2	11.2	13.8	6.6	16.8	100.0
SHIGELLA	Cases	-	3	48	14	22	21	17	13	3	141
	Percent	-	2.1	34.0	9.9	15.6	14.9	12.1	9.2	2.1	100.0
VIBRIO	Cases	-	-	-	-	-	2	-	1	1	4
	Percent	-	-	-	-	-	50.0	-	25.0	25.0	100.0
YERSINIA	Cases	-	1	4	3	2	2	1	2	2	17
	Percent	-	5.9	23.5	17.6	11.8	11.8	5.9	11.8	11.8	100.0
Total	Cases	2	65	261	135	207	183	190	104	175	1322
	Percent	0.2	4.9	19.7	10.2	15.7	13.8	14.4	7.9	13.2	100.0

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Table 6 - Cases per 100,000 by Age Distribution by Pathogen for All Sites

Cases per 100,000	Age Specific Strata							
	0 - <1 YR	1 - <10 YRS	10 - <20 YRS	20 - <30 YRS	30 - <40 YRS	40 - <50 YRS	50 - <60 YRS	60+ YRS
Pathogen								
CAMPYLOBACTER	70.8	28.8	15.8	34.3	24.7	21.9	17.9	16.2
E. COLI 0157	8.8	8.3	3.5	1.6	1.2	0.9	2.0	1.9
LISTERIA	4.1	0.1	0.2	0.2	0.2	0.1	0.3	1.7
SALMONELLA	141.6	23.6	9.5	15.7	11.2	9.8	10.3	10.3
SHIGELLA	16.0	32.7	4.1	8.4	8.6	4.7	3.4	1.4
VIBRIO	0.5	0.0	0.1	0.1	0.2	0.2	0.3	0.2
YERSINIA	31.0	2.2	0.4	0.7	0.2	0.3	0.4	0.4

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Tables 6a through 6e - Cases per 100,000 by Age Distribution by Pathogen by Site

Table 6a: Site = California

Cases per 100,000	Age Specific Strata							
	0 - <1 YR	1 - <10 YRS	10 - <20 YRS	20 - <30 YRS	30 - <40 YRS	40 - <50 YRS	50 - <60 YRS	60+ YRS
Pathogen								
CAMPYLOBACTER	211.1	78.2	47.0	84.8	55.2	45.7	43.6	32.4
E. COLI 0157	7.4	2.9	0.4	1.0	0.5	0.9	0.5	0.9
LISTERIA	3.7	0.4	-	0.6	-	0.3	0.5	2.3
SALMONELLA	203.7	29.8	11.9	18.7	13.6	11.4	15.9	12.0
SHIGELLA	18.5	48.0	8.9	16.8	26.2	15.1	8.5	4.1
VIBRIO	3.7	-	-	-	0.3	0.9	1.1	0.3
YERSINIA	14.8	2.1	0.4	1.0	0.3	0.9	0.5	-

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Tables 6a through 6e - Cases per 100,000 by Age Distribution by Pathogen by Site

Table 6b: Site = Connecticut

Cases per 100,000	Age Specific Strata							
	0 - <1 YR	1 - <10 YRS	10 - <20 YRS	20 - <30 YRS	30 - <40 YRS	40 - <50 YRS	50 - <60 YRS	60+ YRS
Pathogen								
CAMPYLOBACTER	46.2	11.7	9.7	25.3	18.1	21.1	10.8	13.0
E. COLI 0157	-	5.4	4.4	0.5	0.7	1.7	1.9	2.6
LISTERIA	-	-	-	-	0.7	-	0.6	3.9
SALMONELLA	83.1	31.2	14.1	23.9	17.1	12.2	10.2	9.7
SHIGELLA	13.8	28.3	3.4	7.6	5.0	1.3	1.3	1.3
VIBRIO	-	-	-	-	-	-	-	0.3
YERSINIA	27.7	3.4	-	1.0	-	0.4	-	1.3

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Tables 6a through 6e - Cases per 100,000 by Age Distribution by Pathogen by Site

Table 6c: Site = Georgia

Cases per 100,000	Age Specific Strata							
	0 - <1 YR	1 - <10 YRS	10 - <20 YRS	20 - <30 YRS	30 - <40 YRS	40 - <50 YRS	50 - <60 YRS	60+ YRS
Pathogen								
CAMPYLOBACTER	26.9	13.1	5.7	17.3	13.6	12.2	6.6	8.5
E. COLI 0157	-	1.4	1.1	0.5	0.4	-	0.4	0.4
LISTERIA	4.9	-	0.3	-	0.2	0.2	0.4	2.1
SALMONELLA	256.3	30.3	6.3	9.6	6.2	7.3	6.2	8.8
SHIGELLA	39.1	80.0	9.0	10.5	10.9	4.0	3.3	3.2
VIBRIO	-	-	-	0.2	0.4	-	-	0.4
YERSINIA	107.4	4.7	0.8	0.2	-	-	-	-

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Tables 6a through 6e - Cases per 100,000 by Age Distribution by Pathogen by Site

Table 6d: Site = Minnesota

Cases per 100,000	Age Specific Strata							
	0 - <1 YR	1 - <10 YRS	10 - <20 YRS	20 - <30 YRS	30 - <40 YRS	40 - <50 YRS	50 - <60 YRS	60+ YRS
Pathogen								
CAMPYLOBACTER	51.7	23.9	12.6	27.1	21.9	17.5	16.0	12.8
E. COLI 0157	22.6	16.3	6.4	3.3	2.1	1.3	3.5	2.8
LISTERIA	3.2	-	0.1	0.3	-	-	0.2	0.5
SALMONELLA	106.6	19.0	10.1	16.1	13.0	9.7	12.0	9.6
SHIGELLA	6.5	13.1	1.0	4.8	2.5	2.6	1.6	0.3
VIBRIO	-	-	0.3	-	-	0.1	0.2	-
YERSINIA	8.1	1.2	0.1	0.8	0.4	0.3	0.7	0.4

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Tables 6a through 6e - Cases per 100,000 by Age Distribution by Pathogen by Site

Table 6e: Site = Oregon

Cases per 100,000	Age Specific Strata							
	0 - <1 YR	1 - <10 YRS	10 - <20 YRS	20 - <30 YRS	30 - <40 YRS	40 - <50 YRS	50 - <60 YRS	60+ YRS
Pathogen								
CAMPYLOBACTER	64.3	29.1	15.3	28.6	21.5	21.6	17.3	16.3
E. COLI 0157	2.4	7.4	1.9	1.5	1.2	0.9	2.2	1.6
LISTERIA	7.1	-	0.2	-	0.6	0.2	-	1.3
SALMONELLA	71.4	16.8	8.0	15.0	8.4	9.8	7.7	11.4
SHIGELLA	7.1	12.2	3.0	5.4	4.2	3.2	4.0	0.5
VIBRIO	-	-	-	-	0.4	-	0.3	0.2
YERSINIA	2.4	1.0	0.6	0.5	0.4	0.2	0.6	0.4

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 Table 7 - Sex Distribution by Pathogen for All Sites

		Sex		Total
		M	F	
Pathogen				
CAMPYLOBACTER	Cases	1778	1570	3348
	Percent	53.1	46.9	100.0
E. COLI O157	Cases	176	211	387
	Percent	45.5	54.5	100.0
LISTERIA	Cases	28	38	66
	Percent	42.4	57.6	100.0
SALMONELLA	Cases	997	1068	2065
	Percent	48.3	51.7	100.0
SHIGELLA	Cases	665	596	1261
	Percent	52.7	47.3	100.0
VIBRIO	Cases	14	7	21
	Percent	66.7	33.3	100.0
YERSINIA	Cases	74	73	147
	Percent	50.3	49.7	100.0
Total	Cases	3732	3563	7295
	Percent	51.2	48.8	100.0

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 Tables 7a through 7e - Sex Distribution by Pathogen by Site

Table 7a: Site = California		Sex		Total
		M	F	
Pathogen				
CAMPYLOBACTER	Cases	646	531	1177
	Percent	54.9	45.1	100.0
E. COLI 0157	Cases	6	16	22
	Percent	27.3	72.7	100.0
LISTERIA	Cases	6	8	14
	Percent	42.9	57.1	100.0
SALMONELLA	Cases	178	198	376
	Percent	47.3	52.7	100.0
SHIGELLA	Cases	223	152	375
	Percent	59.5	40.5	100.0
VIBRIO	Cases	6	2	8
	Percent	75.0	25.0	100.0
YERSINIA	Cases	10	6	16
	Percent	62.5	37.5	100.0
Total	Cases	1075	913	1988
	Percent	54.1	45.9	100.0

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 Tables 7a through 7e - Sex Distribution by Pathogen by Site

Table 7b: Site = Connecticut		Sex		Total
		M	F	
Pathogen				
CAMPYLOBACTER	Cases	123	142	265
	Percent	46.4	53.6	100.0
E. COLI 0157	Cases	11	27	38
	Percent	28.9	71.1	100.0
LISTERIA	Cases	7	8	15
	Percent	46.7	53.3	100.0
SALMONELLA	Cases	143	140	283
	Percent	50.5	49.5	100.0
SHIGELLA	Cases	52	53	105
	Percent	49.5	50.5	100.0
VIBRIO	Cases	0	1	1
	Percent	0	100.0	100.0
YERSINIA	Cases	13	7	20
	Percent	65.0	35.0	100.0
Total	Cases	349	378	727
	Percent	48.0	52.0	100.0

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 Tables 7a through 7e - Sex Distribution by Pathogen by Site

Table 7c: Site = Georgia		Sex		Total
		M	F	
Pathogen				
CAMPYLOBACTER	Cases	175	151	326
	Percent	53.7	46.3	100.0
E. COLI 0157	Cases	5	10	15
	Percent	33.3	66.7	100.0
LISTERIA	Cases	7	5	12
	Percent	58.3	41.7	100.0
SALMONELLA	Cases	191	197	388
	Percent	49.2	50.8	100.0
SHIGELLA	Cases	233	243	476
	Percent	48.9	51.1	100.0
VIBRIO	Cases	3	1	4
	Percent	75.0	25.0	100.0
YERSINIA	Cases	28	37	65
	Percent	43.1	56.9	100.0
Total	Cases	642	644	1286
	Percent	49.9	50.1	100.0

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 Tables 7a through 7e - Sex Distribution by Pathogen by Site

Table 7d: Site = Minnesota		Sex		Total
		M	F	
Pathogen				
CAMPYLOBACTER	Cases	463	428	891
	Percent	52.0	48.0	100.0
E. COLI 0157	Cases	125	115	240
	Percent	52.1	47.9	100.0
LISTERIA	Cases	3	7	10
	Percent	30.0	70.0	100.0
SALMONELLA	Cases	312	332	644
	Percent	48.4	51.6	100.0
SHIGELLA	Cases	86	80	166
	Percent	51.8	48.2	100.0
VIBRIO	Cases	2	2	4
	Percent	50.0	50.0	100.0
YERSINIA	Cases	15	14	29
	Percent	51.7	48.3	100.0
Total	Cases	1006	978	1984
	Percent	50.7	49.3	100.0

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 Tables 7a through 7e - Sex Distribution by Pathogen by Site

Table 7e: Site = Oregon		Sex		Total
		M	F	
Pathogen				
CAMPYLOBACTER	Cases	371	318	689
	Percent	53.8	46.2	100.0
E. COLI 0157	Cases	29	43	72
	Percent	40.3	59.7	100.0
LISTERIA	Cases	5	10	15
	Percent	33.3	66.7	100.0
SALMONELLA	Cases	173	201	374
	Percent	46.3	53.7	100.0
SHIGELLA	Cases	71	68	139
	Percent	51.1	48.9	100.0
VIBRIO	Cases	3	1	4
	Percent	75.0	25.0	100.0
YERSINIA	Cases	8	9	17
	Percent	47.1	52.9	100.0
Total	Cases	660	650	1310
	Percent	50.4	49.6	100.0

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 Table 8 - Race by Pathogen for All Sites

		Race Category					Total
		ASIAN	BLACK	NATIVE AMERICAN	WHITE	UNKNOWN	
Pathogen							
CAMPYLOBACTER	Cases	179	129	29	1388	1634	3359
	Percent	5.3	3.8	0.9	41.3	48.6	100.0
E. COLI 0157	Cases	6	9	1	326	46	388
	Percent	1.5	2.3	0.3	84.0	11.9	100.0
LISTERIA	Cases	5	10	0	38	13	66
	Percent	7.6	15.2	0	57.6	19.7	100.0
SALMONELLA	Cases	126	252	9	1156	526	2069
	Percent	6.1	12.2	0.4	55.9	25.4	100.0
SHIGELLA	Cases	23	330	28	487	404	1272
	Percent	1.8	25.9	2.2	38.3	31.8	100.0
VIBRIO	Cases	3	1	1	14	2	21
	Percent	14.3	4.8	4.8	66.7	9.5	100.0
YERSINIA	Cases	11	58	1	38	41	149
	Percent	7.4	38.9	0.7	25.5	27.5	100.0
Total	Cases	353	789	69	3447	2666	7324
	Percent	4.8	10.8	0.9	47.1	36.4	100.0

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 Tables 8a through 8e - Race by Pathogen by Site

Table 8a: Site = California		Race Category					Total
		ASIAN	BLACK	NATIVE AMERICAN	WHITE	UNKNOWN	
Pathogen							
CAMPYLOBACTER	Cases	155	56	3	421	546	1181
	Percent	13.1	4.7	0.3	35.6	46.2	100.0
E. COLI O157	Cases	3	6	-	12	1	22
	Percent	13.6	27.3	-	54.5	4.5	100.0
LISTERIA	Cases	5	4	-	5	-	14
	Percent	35.7	28.6	-	35.7	-	100.0
SALMONELLA	Cases	81	49	2	165	80	377
	Percent	21.5	13.0	0.5	43.8	21.2	100.0
SHIGELLA	Cases	13	80	1	174	108	376
	Percent	3.5	21.3	0.3	46.3	28.7	100.0
VIBRIO	Cases	2	-	-	6	-	8
	Percent	25.0	-	-	75.0	-	100.0
YERSINIA	Cases	6	3	-	1	8	18
	Percent	33.3	16.7	-	5.6	44.4	100.0
Total	Cases	265	198	6	784	743	1996
	Percent	13.3	9.9	0.3	39.3	37.2	100.0

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 Tables 8a through 8e - Race by Pathogen by Site

Table 8b: Site = Connecticut		Race Category					Total
		ASIAN	BLACK	NATIVE AMERICAN	WHITE	UNKNOWN	
Pathogen							
CAMPYLOBACTER	Cases	1	4	-	24	236	265
	Percent	0.4	1.5	-	9.1	89.1	100.0
E. COLI O157	Cases	-	1	-	34	3	38
	Percent	-	2.6	-	89.5	7.9	100.0
LISTERIA	Cases	-	-	-	7	8	15
	Percent	-	-	-	46.7	53.3	100.0
SALMONELLA	Cases	1	36	-	172	75	284
	Percent	0.4	12.7	-	60.6	26.4	100.0
SHIGELLA	Cases	-	44	-	25	38	107
	Percent	-	41.1	-	23.4	35.5	100.0
VIBRIO	Cases	-	-	-	1	-	1
	Percent	-	-	-	100.0	-	100.0
YERSINIA	Cases	-	7	-	6	7	20
	Percent	-	35.0	-	30.0	35.0	100.0
Total	Cases	2	92	-	269	367	730
	Percent	0.3	12.6	-	36.8	50.3	100.0

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 Tables 8a through 8e - Race by Pathogen by Site

Table 8c: Site = Georgia		Race Category					Total
		ASIAN	BLACK	NATIVE AMERICAN	WHITE	UNKNOWN	
Pathogen							
CAMPYLOBACTER	Cases	7	51	-	171	97	326
	Percent	2.1	15.6	-	52.5	29.8	100.0
E. COLI O157	Cases	1	1	-	11	2	15
	Percent	6.7	6.7	-	73.3	13.3	100.0
LISTERIA	Cases	-	6	-	5	1	12
	Percent	-	50.0	-	41.7	8.3	100.0
SALMONELLA	Cases	6	143	-	138	101	388
	Percent	1.5	36.9	-	35.6	26.0	100.0
SHIGELLA	Cases	5	188	-	148	141	482
	Percent	1.0	39.0	-	30.7	29.3	100.0
VIBRIO	Cases	-	1	-	3	-	4
	Percent	-	25.0	-	75.0	-	100.0
YERSINIA	Cases	2	46	-	11	6	65
	Percent	3.1	70.8	-	16.9	9.2	100.0
Total	Cases	21	436	-	487	348	1292
	Percent	1.6	33.7	-	37.7	26.9	100.0

CDC's Emerging Infections Program (FoodNet)
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 Tables 8a through 8e - Race by Pathogen by Site

Table 8d: Site = Minnesota		Race Category					Total
		ASIAN	BLACK	NATIVE AMERICAN	WHITE	UNKNOWN	
Pathogen							
CAMPYLOBACTER	Cases	13	16	9	474	379	891
	Percent	1.5	1.8	1.0	53.2	42.5	100.0
E. COLI 0157	Cases	2	1	-	207	30	240
	Percent	0.8	0.4	-	86.3	12.5	100.0
LISTERIA	Cases	-	-	-	10	-	10
	Percent	-	-	-	100.0	-	100.0
SALMONELLA	Cases	32	20	3	391	198	644
	Percent	5.0	3.1	0.5	60.7	30.7	100.0
SHIGELLA	Cases	4	8	25	62	67	166
	Percent	2.4	4.8	15.1	37.3	40.4	100.0
VIBRIO	Cases	1	-	1	2	-	4
	Percent	25.0	-	25.0	50.0	-	100.0
YERSINIA	Cases	1	2	-	15	11	29
	Percent	3.4	6.9	-	51.7	37.9	100.0
Total	Cases	53	47	38	1161	685	1984
	Percent	2.7	2.4	1.9	58.5	34.5	100.0

CDC's Emerging Infections Program (FoodNet)
 FoodNet 1996 Final Report
 Tables 8a through 8e - Race by Pathogen by Site

Table 8e: Site = Oregon		Race Category					Total
		ASIAN	BLACK	NATIVE AMERICAN	WHITE	UNKNOWN	
Pathogen							
CAMPYLOBACTER	Cases	3	2	17	298	376	696
	Percent	0.4	0.3	2.4	42.8	54.0	100.0
E. COLI 0157	Cases	-	-	1	62	10	73
	Percent	-	-	1.4	84.9	13.7	100.0
LISTERIA	Cases	-	-	-	11	4	15
	Percent	-	-	-	73.3	26.7	100.0
SALMONELLA	Cases	6	4	4	290	72	376
	Percent	1.6	1.1	1.1	77.1	19.1	100.0
SHIGELLA	Cases	1	10	2	78	50	141
	Percent	0.7	7.1	1.4	55.3	35.5	100.0
VIBRIO	Cases	-	-	-	2	2	4
	Percent	-	-	-	50.0	50.0	100.0
YERSINIA	Cases	2	-	1	5	9	17
	Percent	11.8	-	5.9	29.4	52.9	100.0
Total	Cases	12	16	25	746	523	1322
	Percent	0.9	1.2	1.9	56.4	39.6	100.0

CDC's Emerging Infections Program (FoodNet)
 FoodNet 1996 Final Report
 Table 9 - Ethnicity by Pathogen for All Sites

		Ethnicity Category			Total
		HISPANIC	NON HISPANIC	UNKNOWN	
Pathogen					
CAMPYLOBACTER	Cases	134	899	2326	3359
	Percent	4.0	26.8	69.2	100.0
E. COLI 0157	Cases	5	241	142	388
	Percent	1.3	62.1	36.6	100.0
LISTERIA	Cases	5	30	31	66
	Percent	7.6	45.5	47.0	100.0
SALMONELLA	Cases	139	907	1023	2069
	Percent	6.7	43.8	49.4	100.0
SHIGELLA	Cases	131	376	765	1272
	Percent	10.3	29.6	60.1	100.0
VIBRIO	Cases	2	11	8	21
	Percent	9.5	52.4	38.1	100.0
YERSINIA	Cases	8	33	108	149
	Percent	5.4	22.1	72.5	100.0
Total	Cases	424	2497	4403	7324
	Percent	5.8	34.1	60.1	100.0

CDC's Emerging Infections Program (FoodNet)
 FoodNet 1996 Final Report
 Tables 9a through 9e - Ethnicity by Pathogen by Site

Table 9a: Site = California		Ethnicity Category			Total
		HISPANIC	NON HISPANIC	UNKNOWN	
Pathogen					
CAMPYLOBACTER	Cases	86	544	551	1181
	Percent	7.3	46.1	46.7	100.0
E. COLI 0157	Cases	1	20	1	22
	Percent	4.5	90.9	4.5	100.0
LISTERIA	Cases	-	14	-	14
	Percent	-	100.0	-	100.0
SALMONELLA	Cases	48	247	82	377
	Percent	12.7	65.5	21.8	100.0
SHIGELLA	Cases	52	214	110	376
	Percent	13.8	56.9	29.3	100.0
VIBRIO	Cases	1	7	-	8
	Percent	12.5	87.5	-	100.0
YERSINIA	Cases	-	9	9	18
	Percent	-	50.0	50.0	100.0
Total	Cases	188	1055	753	1996
	Percent	9.4	52.9	37.7	100.0

CDC's Emerging Infections Program (FoodNet)
 FoodNet 1996 Final Report
 Tables 9a through 9e - Ethnicity by Pathogen by Site

Table 9b: Site = Connecticut		Ethnicity Category			Total
		HISPANIC	NON HISPANIC	UNKNOWN	
Pathogen					
CAMPYLOBACTER	Cases	6	4	255	265
	Percent	2.3	1.5	96.2	100.0
E. COLI 0157	Cases	1	34	3	38
	Percent	2.6	89.5	7.9	100.0
LISTERIA	Cases	-	6	9	15
	Percent	-	40.0	60.0	100.0
SALMONELLA	Cases	39	166	79	284
	Percent	13.7	58.5	27.8	100.0
SHIGELLA	Cases	21	47	39	107
	Percent	19.6	43.9	36.4	100.0
VIBRIO	Cases	-	1	-	1
	Percent	-	100.0	-	100.0
YERSINIA	Cases	3	3	14	20
	Percent	15.0	15.0	70.0	100.0
Total	Cases	70	261	399	730
	Percent	9.6	35.8	54.7	100.0

CDC's Emerging Infections Program (FoodNet)
 FoodNet 1996 Final Report
 Tables 9a through 9e - Ethnicity by Pathogen by Site

Table 9c: Site = Georgia		Ethnicity Category			Total
		HISPANIC	NON HISPANIC	UNKNOWN	
Pathogen					
CAMPYLOBACTER	Cases	8	47	271	326
	Percent	2.5	14.4	83.1	100.0
E. COLI 0157	Cases	-	4	11	15
	Percent	-	26.7	73.3	100.0
LISTERIA	Cases	-	1	11	12
	Percent	-	8.3	91.7	100.0
SALMONELLA	Cases	17	80	291	388
	Percent	4.4	20.6	75.0	100.0
SHIGELLA	Cases	14	55	413	482
	Percent	2.9	11.4	85.7	100.0
VIBRIO	Cases	-	1	3	4
	Percent	-	25.0	75.0	100.0
YERSINIA	Cases	4	7	54	65
	Percent	6.2	10.8	83.1	100.0
Total	Cases	43	195	1054	1292
	Percent	3.3	15.1	81.6	100.0

CDC's Emerging Infections Program (FoodNet)
 FoodNet 1996 Final Report
 Tables 9a through 9e - Ethnicity by Pathogen by Site

Table 9d: Site = Minnesota		Ethnicity Category			Total
		HISPANIC	NON HISPANIC	UNKNOWN	
Pathogen					
CAMPYLOBACTER	Cases	9	150	732	891
	Percent	1.0	16.8	82.2	100.0
E. COLI 0157	Cases	-	134	106	240
	Percent	-	55.8	44.2	100.0
LISTERIA	Cases	-	4	6	10
	Percent	-	40.0	60.0	100.0
SALMONELLA	Cases	14	195	435	644
	Percent	2.2	30.3	67.5	100.0
SHIGELLA	Cases	8	18	140	166
	Percent	4.8	10.8	84.3	100.0
VIBRIO	Cases	1	-	3	4
	Percent	25.0	-	75.0	100.0
YERSINIA	Cases	-	9	20	29
	Percent	-	31.0	69.0	100.0
Total	Cases	32	510	1442	1984
	Percent	1.6	25.7	72.7	100.0

CDC's Emerging Infections Program (FoodNet)
 FoodNet 1996 Final Report
 Tables 9a through 9e - Ethnicity by Pathogen by Site

Table 9e: Site = Oregon		Ethnicity Category			Total
		HISPANIC	NON HISPANIC	UNKNOWN	
Pathogen					
CAMPYLOBACTER	Cases	25	154	517	696
	Percent	3.6	22.1	74.3	100.0
E. COLI 0157	Cases	3	49	21	73
	Percent	4.1	67.1	28.8	100.0
LISTERIA	Cases	5	5	5	15
	Percent	33.3	33.3	33.3	100.0
SALMONELLA	Cases	21	219	136	376
	Percent	5.6	58.2	36.2	100.0
SHIGELLA	Cases	36	42	63	141
	Percent	25.5	29.8	44.7	100.0
VIBRIO	Cases	-	2	2	4
	Percent	-	50.0	50.0	100.0
YERSINIA	Cases	1	5	11	17
	Percent	5.9	29.4	64.7	100.0
Total	Cases	91	476	755	1322
	Percent	6.9	36.0	57.1	100.0

CDC's Emerging Infections Program (FoodNet)
 FoodNet 1996 Final Report
 Table 10 - Salmonella Serotypes by Site

Cases	Site					Total
	Ca.	Ct.	Ga.	Mn.	Or.	
Serotype						
TYPHIMURIUM	75	63	118	198	105	559
ENTERITIDIS	59	128	14	118	39	358
HEIDELBERG	22	9	20	52	12	115
NEWPORT	6	4	9	23	69	111
MONTEVIDEO	39	3	0	7	24	73
AGONA	18	2	6	15	4	45
INFANTIS	5	3	9	21	4	42
ORANIENBURG	8	6	0	6	15	35
SAINTPAUL	6	3	3	10	13	35
BRAENDERUP	4	3	2	22	2	33
THOMPSON	6	11	5	10	0	32
HADAR	11	6	2	10	1	30
POONA	5	4	2	9	8	28
TYPHI	11	1	3	8	4	27
ANATUM	4	3	6	3	3	19
MUENCHEN	5	2	3	4	3	17
MBANDAKA	1	3	5	4	2	15
JAVA	0	3	4	8	0	15
PARATYPHI B	4	2	0	0	8	14
BRANDENBURG	2	1	2	3	4	12
DUBLIN	5	1	0	2	4	12
DERBY	5	0	0	5	1	11
JAVIANA	1	1	4	5	0	11
MELEAGRIDIS	11	0	0	0	0	11
SUBSPECIES IV	0	0	1	9	1	11
STANLEY	3	1	0	2	3	9
ADELAIDE	2	2	0	4	0	8

(CONTINUED)

CDC's Emerging Infections Program (FoodNet)
 FoodNet 1996 Final Report
 Table 10 - Salmonella Serotypes by Site

Cases	Site					Total
	Ca.	Ct.	Ga.	Mn.	Or.	
Serotype						
LITCHFIELD	3	2	0	2	1	8
SANDIEGO	1	1	0	3	3	8
PANAMA	6	0	1	0	0	7
SCHWARZENGRUND	1	1	2	2	1	7
MISSISSIPPI	0	0	7	0	0	7
BERTA	0	0	0	2	5	7
BLOCKLEY	1	0	2	2	1	6
CHOLERAESUIS	1	0	1	4	0	6
SENFENBERG	3	0	0	3	0	6
OSLO	0	1	0	2	3	6
INDIANA	3	1	0	1	0	5
OHIO	2	1	0	2	0	5
PARATYPHI A	1	0	3	1	0	5
SUBSPECIES III	0	0	3	0	2	5
MANHATTAN	1	0	0	3	0	4
URBANA	1	1	1	1	0	4
WORTHINGTON	2	0	1	0	1	4
IDIKAN	0	0	0	4	0	4
BOVISMORBIFICANS	2	0	0	1	0	3
READING	1	0	1	0	1	3
NOT TYPHI	0	0	3	0	0	3
MUENSTER	0	0	0	3	0	3
TENNESSEE	0	0	0	2	1	3
BAREILLY	1	0	1	0	0	2
CHAILEY	1	1	0	0	0	2
NEWINGTON	1	0	0	0	1	2
POMONA	2	0	0	0	0	2

(CONTINUED)

CDC's Emerging Infections Program (FoodNet)
 FoodNet 1996 Final Report
 Table 10 - Salmonella Serotypes by Site

Cases	Site					Total
	Ca.	Ct.	Ga.	Mn.	Or.	
Serotype						
VIRCHOW	1	0	0	1	0	2
ABAETETUBA	0	1	0	0	1	2
HARTFORD	0	1	0	1	0	2
LOMALINDA	0	1	1	0	0	2
4,5,12:i:-	0	0	2	0	0	2
JOHANNESBURG	0	0	1	1	0	2
MIAMI	0	0	1	1	0	2
ALBANY	0	0	0	2	0	2
EALING	0	0	0	2	0	2
GIVE	0	0	0	2	0	2
KIAMBU	0	0	0	2	0	2
SUBSPECIES II	0	0	0	2	0	2
GLOSTRUP	0	0	0	0	2	2
MARINA	0	0	0	0	2	2
SINGAPORE	0	0	0	0	2	2
BARDO	1	0	0	0	0	1
CHESTER	1	0	0	0	0	1
SOERENGA	1	0	0	0	0	1
UGANDA	1	0	0	0	0	1
BUZU	0	1	0	0	0	1
48: GZ5I--SUBSP. IV	0	0	1	0	0	1
6,14,25:B:- MONO	0	0	1	0	0	1
ARIZONAE	0	0	1	0	0	1
KENTUCKY	0	0	1	0	0	1
LONDON	0	0	1	0	0	1
NEWROCHELLE	0	0	1	0	0	1
ORION	0	0	1	0	0	1

(CONTINUED)

CDC's Emerging Infections Program (FoodNet)
 FoodNet 1996 Final Report
 Table 10 - Salmonella Serotypes by Site

Cases	Site					Total
	Ca.	Ct.	Ga.	Mn.	Or.	
Serotype						
SUBSP IV SER48:GZ51:	0	0	1	0	0	1
U	0	0	1	0	0	1
UCCLE	0	0	1	0	0	1
WESTHAMPTON	0	0	1	0	0	1
DOEL	0	0	0	1	0	1
FARMOSEN	0	0	0	1	0	1
GAMINARA	0	0	0	1	0	1
HAVANA	0	0	0	1	0	1
KINTAMBO	0	0	0	1	0	1
KRALENDYK	0	0	0	1	0	1
NORWICH	0	0	0	1	0	1
VIRGINIA	0	0	0	1	0	1
ALACHUA	0	0	0	0	1	1
BREDENEY	0	0	0	0	1	1
CERRO	0	0	0	0	1	1
CLACKAMAS	0	0	0	0	1	1
NEWHAW	0	0	0	0	1	1
PATIENCE	0	0	0	0	1	1
PHOENIX	0	0	0	0	1	1
PUTTEN	0	0	0	0	1	1
TILENE	0	0	0	0	1	1
WELTEVREDEN	0	0	0	0	1	1
NOT SEROTYPED	20	6	128	26	10	190
Total	377	284	388	644	376	2069

CDC's Emerging Infections Program (FoodNet)
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 Table 11 - Percent Shigella Species by Site

		Species					Total
		BOYDII	DYSENTERIA	FLEXNERI	SONNEI	UNKNOWN	
Site							
California	Cases	13	4	103	239	17	376
	Percent	3.5	1.1	27.4	63.6	4.5	100.0
Connecticut	Cases	-	-	12	95	-	107
	Percent	-	-	11.2	88.8	-	100.0
Georgia	Cases	4	1	46	401	30	482
	Percent	0.8	0.2	9.5	83.2	6.2	100.0
Minnesota	Cases	2	1	54	106	3	166
	Percent	1.2	0.6	32.5	63.9	1.8	100.0
Oregon	Cases	3	2	68	66	2	141
	Percent	2.1	1.4	48.2	46.8	1.4	100.0
Total	Cases	22	8	283	907	52	1272
	Percent	1.7	0.6	22.2	71.3	4.1	100.0

CDC's Emerging Infections Program (FoodNet)
 FoodNet 1996 Final Report
 Table 12 - Source of Specimen by Pathogen for All Sites

		Source of Specimen							Total
		ABSCESS	BLOOD	CSF	ORTHO	OTHER	OTHER STERILE SITE	STOOL	
Pathogen									
CAMPYLOBACTER	Cases	1	28	0	0	9	0	3321	3359
	Percent	0.0	0.8	0	0	0.3	0	98.9	100.0
E. COLI 0157	Cases	0	0	0	0	0	0	388	388
	Percent	0	0	0	0	0	0	100.0	100.0
LISTERIA	Cases	1	47	11	1	1	4	1	66
	Percent	1.5	71.2	16.7	1.5	1.5	6.1	1.5	100.0
SALMONELLA	Cases	7	139	1	4	14	7	1897	2069
	Percent	0.3	6.7	0.0	0.2	0.7	0.3	91.7	100.0
SHIGELLA	Cases	1	11	0	1	18	0	1241	1272
	Percent	0.1	0.9	0	0.1	1.4	0	97.6	100.0
VIBRIO	Cases	1	2	0	0	2	0	16	21
	Percent	4.8	9.5	0	0	9.5	0	76.2	100.0
YERSINIA	Cases	1	5	0	0	0	1	142	149
	Percent	0.7	3.4	0	0	0	0.7	95.3	100.0
Total	Cases	12	232	12	6	44	12	7006	7324
	Percent	0.2	3.2	0.2	0.1	0.6	0.2	95.7	100.0

CDC's Emerging Infections Program (FoodNet)
 FoodNet 1996 Final Report
 Tables 12a through 12e - Source of Specimen by Pathogen by Site

Table 12a: Site = California		Source of Specimen							Total
		ABSCESS	BLOOD	CSF	ORTHO	OTHER	OTHER STERILE SITE	STOOL	
Pathogen									
CAMPYLOBACTER	Cases	1	17	-	-	7	-	1156	1181
	Percent	0.1	1.4	-	-	0.6	-	97.9	100.0
E. COLI 0157	Cases	-	-	-	-	-	-	22	22
	Percent	-	-	-	-	-	-	100.0	100.0
LISTERIA	Cases	-	8	2	-	-	3	1	14
	Percent	-	57.1	14.3	-	-	21.4	7.1	100.0
SALMONELLA	Cases	-	41	-	1	2	1	332	377
	Percent	-	10.9	-	0.3	0.5	0.3	88.1	100.0
SHIGELLA	Cases	-	5	-	1	15	-	355	376
	Percent	-	1.3	-	0.3	4.0	-	94.4	100.0
VIBRIO	Cases	-	-	-	-	1	-	7	8
	Percent	-	-	-	-	12.5	-	87.5	100.0
YERSINIA	Cases	-	2	-	-	-	-	16	18
	Percent	-	11.1	-	-	-	-	88.9	100.0
Total	Cases	1	73	2	2	25	4	1889	1996
	Percent	0.1	3.7	0.1	0.1	1.3	0.2	94.6	100.0

CDC's Emerging Infections Program (FoodNet)
 FoodNet 1996 Final Report
 Tables 12a through 12e - Source of Specimen by Pathogen by Site

Table 12b: Site = Connecticut		Source of Specimen							Total
		ABSCESS	BLOOD	CSF	ORTHO	OTHER	OTHER STERILE SITE	STOOL	
Pathogen									
CAMPYLOBACTER	Cases	-	3	-	-	-	-	262	265
	Percent	-	1.1	-	-	-	-	98.9	100.0
E. COLI 0157	Cases	-	-	-	-	-	-	38	38
	Percent	-	-	-	-	-	-	100.0	100.0
LISTERIA	Cases	-	13	2	-	-	-	-	15
	Percent	-	86.7	13.3	-	-	-	-	100.0
SALMONELLA	Cases	2	23	-	-	2	2	255	284
	Percent	0.7	8.1	-	-	0.7	0.7	89.8	100.0
SHIGELLA	Cases	-	1	-	-	-	-	106	107
	Percent	-	0.9	-	-	-	-	99.1	100.0
VIBRIO	Cases	-	1	-	-	-	-	-	1
	Percent	-	100.0	-	-	-	-	-	100.0
YERSINIA	Cases	-	2	-	-	-	-	18	20
	Percent	-	10.0	-	-	-	-	90.0	100.0
Total	Cases	2	43	2	-	2	2	679	730
	Percent	0.3	5.9	0.3	-	0.3	0.3	93.0	100.0

CDC's Emerging Infections Program (FoodNet)
 FoodNet 1996 Final Report
 Tables 12a through 12e - Source of Specimen by Pathogen by Site

Table 12c: Site = Georgia		Source of Specimen							Total
		ABSCESS	BLOOD	CSF	ORTHO	OTHER	OTHER STERILE SITE	STOOL	
Pathogen									
CAMPYLOBACTER	Cases	-	5	-	-	1	-	320	326
	Percent	-	1.5	-	-	0.3	-	98.2	100.0
E. COLI 0157	Cases	-	-	-	-	-	-	15	15
	Percent	-	-	-	-	-	-	100.0	100.0
LISTERIA	Cases	-	10	1	1	-	-	-	12
	Percent	-	83.3	8.3	8.3	-	-	-	100.0
SALMONELLA	Cases	-	34	-	2	1	-	351	388
	Percent	-	8.8	-	0.5	0.3	-	90.5	100.0
SHIGELLA	Cases	-	5	-	-	2	-	475	482
	Percent	-	1.0	-	-	0.4	-	98.5	100.0
VIBRIO	Cases	1	-	-	-	-	-	3	4
	Percent	25.0	-	-	-	-	-	75.0	100.0
YERSINIA	Cases	-	1	-	-	-	-	64	65
	Percent	-	1.5	-	-	-	-	98.5	100.0
Total	Cases	1	55	1	3	4	-	1228	1292
	Percent	0.1	4.3	0.1	0.2	0.3	-	95.0	100.0

CDC's Emerging Infections Program (FoodNet)
 FoodNet 1996 Final Report
 Tables 12a through 12e - Source of Specimen by Pathogen by Site

Table 12d: Site = Minnesota		Source of Specimen							Total
		ABSCESS	BLOOD	CSF	ORTHO	OTHER	OTHER STERILE SITE	STOOL	
Pathogen									
CAMPYLOBACTER	Cases	-	1	-	-	-	-	890	891
	Percent	-	0.1	-	-	-	-	99.9	100.0
E. COLI 0157	Cases	-	-	-	-	-	-	240	240
	Percent	-	-	-	-	-	-	100.0	100.0
LISTERIA	Cases	1	6	2	-	-	1	-	10
	Percent	10.0	60.0	20.0	-	-	10.0	-	100.0
SALMONELLA	Cases	3	22	1	-	4	1	613	644
	Percent	0.5	3.4	0.2	-	0.6	0.2	95.2	100.0
SHIGELLA	Cases	1	-	-	-	1	-	164	166
	Percent	0.6	-	-	-	0.6	-	98.8	100.0
VIBRIO	Cases	-	-	-	-	1	-	3	4
	Percent	-	-	-	-	25.0	-	75.0	100.0
YERSINIA	Cases	-	-	-	-	-	-	29	29
	Percent	-	-	-	-	-	-	100.0	100.0
Total	Cases	5	29	3	-	6	2	1939	1984
	Percent	0.3	1.5	0.2	-	0.3	0.1	97.7	100.0

CDC's Emerging Infections Program (FoodNet)
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 Tables 12a through 12e - Source of Specimen by Pathogen by Site

Table 12e: Site = Oregon		Source of Specimen							Total
		ABSCESS	BLOOD	CSF	ORTHO	OTHER	OTHER STERILE SITE	STOOL	
Pathogen									
CAMPYLOBACTER	Cases	-	2	-	-	1	-	693	696
	Percent	-	0.3	-	-	0.1	-	99.6	100.0
E. COLI 0157	Cases	-	-	-	-	-	-	73	73
	Percent	-	-	-	-	-	-	100.0	100.0
LISTERIA	Cases	-	10	4	-	1	-	-	15
	Percent	-	66.7	26.7	-	6.7	-	-	100.0
SALMONELLA	Cases	2	19	-	1	5	3	346	376
	Percent	0.5	5.1	-	0.3	1.3	0.8	92.0	100.0
SHIGELLA	Cases	-	-	-	-	-	-	141	141
	Percent	-	-	-	-	-	-	100.0	100.0
VIBRIO	Cases	-	1	-	-	-	-	3	4
	Percent	-	25.0	-	-	-	-	75.0	100.0
YERSINIA	Cases	1	-	-	-	-	1	15	17
	Percent	5.9	-	-	-	-	5.9	88.2	100.0
Total	Cases	3	32	4	1	7	4	1271	1322
	Percent	0.2	2.4	0.3	0.1	0.5	0.3	96.1	100.0

CDC's Emerging Infections Program (FoodNet)
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 Table 13 - Patient Status by Pathogen for All Sites

		Patient Status			Total
		OUTPATIENT	HOSPITALIZED	UNKNOWN	
Pathogen					
CAMPYLOBACTER	Cases	2775	328	256	3359
	Percent	82.6	9.8	7.6	100.0
E. COLI 0157	Cases	269	116	3	388
	Percent	69.3	29.9	0.8	100.0
LISTERIA	Cases	3	63	0	66
	Percent	4.5	95.5	0	100.0
SALMONELLA	Cases	1566	462	41	2069
	Percent	75.7	22.3	2.0	100.0
SHIGELLA	Cases	1054	173	45	1272
	Percent	82.9	13.6	3.5	100.0
VIBRIO	Cases	17	4	0	21
	Percent	81.0	19.0	0	100.0
YERSINIA	Cases	99	48	2	149
	Percent	66.4	32.2	1.3	100.0
Total	Cases	5783	1194	347	7324
	Percent	79.0	16.3	4.7	100.0

CDC's Emerging Infections Program (FoodNet)
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 Tables 13a through 13e - Patient Status by Pathogen by Site

Table 13a: Site = California		Patient Status			Total
		OUTPATIENT	HOSPITALIZED	UNKNOWN	
Pathogen					
CAMPYLOBACTER	Cases	871	63	247	1181
	Percent	73.8	5.3	20.9	100.0
E. COLI 0157	Cases	15	7	-	22
	Percent	68.2	31.8	-	100.0
LISTERIA	Cases	1	13	-	14
	Percent	7.1	92.9	-	100.0
SALMONELLA	Cases	270	91	16	377
	Percent	71.6	24.1	4.2	100.0
SHIGELLA	Cases	306	46	24	376
	Percent	81.4	12.2	6.4	100.0
VIBRIO	Cases	8	-	-	8
	Percent	100.0	-	-	100.0
YERSINIA	Cases	9	8	1	18
	Percent	50.0	44.4	5.6	100.0
Total	Cases	1480	228	288	1996
	Percent	74.1	11.4	14.4	100.0

CDC's Emerging Infections Program (FoodNet)
 FoodNet 1996 Final Report
 Tables 13a through 13e - Patient Status by Pathogen by Site

Table 13b: Site = Connecticut		Patient Status			Total
		OUTPATIENT	HOSPITALIZED	UNKNOWN	
Pathogen					
CAMPYLOBACTER	Cases	230	35	-	265
	Percent	86.8	13.2	-	100.0
E. COLI 0157	Cases	20	18	-	38
	Percent	52.6	47.4	-	100.0
LISTERIA	Cases	-	15	-	15
	Percent	-	100.0	-	100.0
SALMONELLA	Cases	214	67	3	284
	Percent	75.4	23.6	1.1	100.0
SHIGELLA	Cases	96	11	-	107
	Percent	89.7	10.3	-	100.0
VIBRIO	Cases	-	1	-	1
	Percent	-	100.0	-	100.0
YERSINIA	Cases	11	9	-	20
	Percent	55.0	45.0	-	100.0
Total	Cases	571	156	3	730
	Percent	78.2	21.4	0.4	100.0

CDC's Emerging Infections Program (FoodNet)
 FoodNet 1996 Final Report
 Tables 13a through 13e - Patient Status by Pathogen by Site

Table 13c: Site = Georgia		Patient Status			Total
		OUTPATIENT	HOSPITALIZED	UNKNOWN	
Pathogen					
CAMPYLOBACTER	Cases	263	60	3	326
	Percent	80.7	18.4	0.9	100.0
E. COLI 0157	Cases	7	7	1	15
	Percent	46.7	46.7	6.7	100.0
LISTERIA	Cases	1	11	-	12
	Percent	8.3	91.7	-	100.0
SALMONELLA	Cases	281	96	11	388
	Percent	72.4	24.7	2.8	100.0
SHIGELLA	Cases	399	73	10	482
	Percent	82.8	15.1	2.1	100.0
VIBRIO	Cases	3	1	-	4
	Percent	75.0	25.0	-	100.0
YERSINIA	Cases	42	23	-	65
	Percent	64.6	35.4	-	100.0
Total	Cases	996	271	25	1292
	Percent	77.1	21.0	1.9	100.0

CDC's Emerging Infections Program (FoodNet)
 FoodNet 1996 Final Report
 Tables 13a through 13e - Patient Status by Pathogen by Site

Table 13d: Site = Minnesota		Patient Status			Total
		OUTPATIENT	HOSPITALIZED	UNKNOWN	
Pathogen					
CAMPYLOBACTER	Cases	795	96	-	891
	Percent	89.2	10.8	-	100.0
E. COLI 0157	Cases	174	66	-	240
	Percent	72.5	27.5	-	100.0
LISTERIA	Cases	1	9	-	10
	Percent	10.0	90.0	-	100.0
SALMONELLA	Cases	503	141	-	644
	Percent	78.1	21.9	-	100.0
SHIGELLA	Cases	141	25	-	166
	Percent	84.9	15.1	-	100.0
VIBRIO	Cases	3	1	-	4
	Percent	75.0	25.0	-	100.0
YERSINIA	Cases	22	7	-	29
	Percent	75.9	24.1	-	100.0
Total	Cases	1639	345	-	1984
	Percent	82.6	17.4	-	100.0

CDC's Emerging Infections Program (FoodNet)
 FoodNet 1996 Final Report
 Tables 13a through 13e - Patient Status by Pathogen by Site

Table 13e: Site = Oregon		Patient Status			Total
		OUTPATIENT	HOSPITALIZED	UNKNOWN	
Pathogen					
CAMPYLOBACTER	Cases	616	74	6	696
	Percent	88.5	10.6	0.9	100.0
E. COLI 0157	Cases	53	18	2	73
	Percent	72.6	24.7	2.7	100.0
LISTERIA	Cases	-	15	-	15
	Percent	-	100.0	-	100.0
SALMONELLA	Cases	298	67	11	376
	Percent	79.3	17.8	2.9	100.0
SHIGELLA	Cases	112	18	11	141
	Percent	79.4	12.8	7.8	100.0
VIBRIO	Cases	3	1	-	4
	Percent	75.0	25.0	-	100.0
YERSINIA	Cases	15	1	1	17
	Percent	88.2	5.9	5.9	100.0
Total	Cases	1097	194	31	1322
	Percent	83.0	14.7	2.3	100.0

CDC's Emerging Infections Program (FoodNet)
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 Table 14 - Patient Outcome by Pathogen for All Sites

		Patient Outcome			Total
		ALIVE	DEAD	UNKNOWN	
Pathogen					
CAMPYLOBACTER	Cases	2124	4	1231	3359
	Percent	63.2	0.1	36.6	100.0
E. COLI 0157	Cases	382	2	4	388
	Percent	98.5	0.5	1.0	100.0
LISTERIA	Cases	56	10	0	66
	Percent	84.8	15.2	0	100.0
SALMONELLA	Cases	1810	16	243	2069
	Percent	87.5	0.8	11.7	100.0
SHIGELLA	Cases	904	2	366	1272
	Percent	71.1	0.2	28.8	100.0
VIBRIO	Cases	11	1	9	21
	Percent	52.4	4.8	42.9	100.0
YERSINIA	Cases	140	0	9	149
	Percent	94.0	0	6.0	100.0
Total	Cases	5427	35	1862	7324
	Percent	74.1	0.5	25.4	100.0

CDC's Emerging Infections Program (FoodNet)
 FoodNet 1996 Final Report
 Tables 14a through 14e - Patient Outcome by Pathogen by Site

Table 14a: Site = California		Patient Outcome			Total
		ALIVE	DEAD	UNKNOWN	
Pathogen					
CAMPYLOBACTER	Cases	211	-	970	1181
	Percent	17.9	-	82.1	100.0
E. COLI 0157	Cases	22	-	-	22
	Percent	100.0	-	-	100.0
LISTERIA	Cases	13	1	-	14
	Percent	92.9	7.1	-	100.0
SALMONELLA	Cases	258	2	117	377
	Percent	68.4	0.5	31.0	100.0
SHIGELLA	Cases	122	1	253	376
	Percent	32.4	0.3	67.3	100.0
VIBRIO	Cases	1	-	7	8
	Percent	12.5	-	87.5	100.0
YERSINIA	Cases	12	-	6	18
	Percent	66.7	-	33.3	100.0
Total	Cases	639	4	1353	1996
	Percent	32.0	0.2	67.8	100.0

CDC's Emerging Infections Program (FoodNet)
 FoodNet 1996 Final Report
 Tables 14a through 14e - Patient Outcome by Pathogen by Site

Table 14b: Site = Connecticut		Patient Outcome			Total
		ALIVE	DEAD	UNKNOWN	
Pathogen					
CAMPYLOBACTER	Cases	139	1	125	265
	Percent	52.5	0.4	47.2	100.0
E. COLI 0157	Cases	38	-	-	38
	Percent	100.0	-	-	100.0
LISTERIA	Cases	11	4	-	15
	Percent	73.3	26.7	-	100.0
SALMONELLA	Cases	231	2	51	284
	Percent	81.3	0.7	18.0	100.0
SHIGELLA	Cases	61	-	46	107
	Percent	57.0	-	43.0	100.0
VIBRIO	Cases	1	-	-	1
	Percent	100.0	-	-	100.0
YERSINIA	Cases	18	-	2	20
	Percent	90.0	-	10.0	100.0
Total	Cases	499	7	224	730
	Percent	68.4	1.0	30.7	100.0

CDC's Emerging Infections Program (FoodNet)
 FoodNet 1996 Final Report
 Tables 14a through 14e - Patient Outcome by Pathogen by Site

Table 14c: Site = Georgia		Patient Outcome			Total
		ALIVE	DEAD	UNKNOWN	
Pathogen					
CAMPYLOBACTER	Cases	291	1	34	326
	Percent	89.3	0.3	10.4	100.0
E. COLI O157	Cases	14	-	1	15
	Percent	93.3	-	6.7	100.0
LISTERIA	Cases	10	2	-	12
	Percent	83.3	16.7	-	100.0
SALMONELLA	Cases	348	8	32	388
	Percent	89.7	2.1	8.2	100.0
SHIGELLA	Cases	436	1	45	482
	Percent	90.5	0.2	9.3	100.0
VIBRIO	Cases	4	-	-	4
	Percent	100.0	-	-	100.0
YERSINIA	Cases	64	-	1	65
	Percent	98.5	-	1.5	100.0
Total	Cases	1167	12	113	1292
	Percent	90.3	0.9	8.7	100.0

CDC's Emerging Infections Program (FoodNet)
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 Tables 14a through 14e - Patient Outcome by Pathogen by Site

Table 14d: Site = Minnesota		Patient Outcome			Total
		ALIVE	DEAD	UNKNOWN	
Pathogen					
CAMPYLOBACTER	Cases	891	-	-	891
	Percent	100.0	-	-	100.0
E. COLI O157	Cases	239	1	-	240
	Percent	99.6	0.4	-	100.0
LISTERIA	Cases	8	2	-	10
	Percent	80.0	20.0	-	100.0
SALMONELLA	Cases	642	2	-	644
	Percent	99.7	0.3	-	100.0
SHIGELLA	Cases	166	-	-	166
	Percent	100.0	-	-	100.0
VIBRIO	Cases	4	-	-	4
	Percent	100.0	-	-	100.0
YERSINIA	Cases	29	-	-	29
	Percent	100.0	-	-	100.0
Total	Cases	1979	5	-	1984
	Percent	99.7	0.3	-	100.0

CDC's Emerging Infections Program (FoodNet)
 FoodNet 1996 Final Report
 Tables 14a through 14e - Patient Outcome by Pathogen by Site

Table 14e: Site = Oregon		Patient Outcome			Total
		ALIVE	DEAD	UNKNOWN	
Pathogen					
CAMPYLOBACTER	Cases	592	2	102	696
	Percent	85.1	0.3	14.7	100.0
E. COLI 0157	Cases	69	1	3	73
	Percent	94.5	1.4	4.1	100.0
LISTERIA	Cases	14	1	-	15
	Percent	93.3	6.7	-	100.0
SALMONELLA	Cases	331	2	43	376
	Percent	88.0	0.5	11.4	100.0
SHIGELLA	Cases	119	-	22	141
	Percent	84.4	-	15.6	100.0
VIBRIO	Cases	1	1	2	4
	Percent	25.0	25.0	50.0	100.0
YERSINIA	Cases	17	-	-	17
	Percent	100.0	-	-	100.0
Total	Cases	1143	7	172	1322
	Percent	86.5	0.5	13.0	100.0

CDC's Emerging Infections Program (FoodNet)
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 Table 15 - Age Distribution for Invasive Specimens for All Sites

		Age Specific Strata								Total
		0-<1 YR	1-<10 YRS	10-<20 YRS	20-<30 YRS	30-<40 YRS	40-<50 YRS	50-<60 YRS	60+ YRS	
Pathogen										
CAMPYLOBACTER	Cases	1	2	4	0	10	3	2	6	28
	Percent	3.6	7.1	14.3	0	35.7	10.7	7.1	21.4	100.0
LISTERIA	Cases	8	1	3	3	5	3	2	34	59
	Percent	13.6	1.7	5.1	5.1	8.5	5.1	3.4	57.6	100.0
SALMONELLA	Cases	20	18	6	14	21	29	9	27	144
	Percent	13.9	12.5	4.2	9.7	14.6	20.1	6.3	18.8	100.0
SHIGELLA	Cases	0	2	0	1	3	1	1	4	12
	Percent	0	16.7	0	8.3	25.0	8.3	8.3	33.3	100.0
VIBRIO	Cases	0	0	0	0	0	0	0	2	2
	Percent	0	0	0	0	0	0	0	100.0	100.0
YERSINIA	Cases	1	0	1	0	0	0	1	2	5
	Percent	20.0	0	20.0	0	0	0	20.0	40.0	100.0
Total	Cases	30	23	14	18	39	36	15	75	250
	Percent	12.0	9.2	5.6	7.2	15.6	14.4	6.0	30.0	100.0

CDC's Emerging Infections Program (FoodNet)
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 Tables 15a through 15e - Age Distribution for Invasive Specimens by Site

Table 15a: Site = California		Age Specific Strata								Total
		0-<1 YR	1-<10 YRS	10-<20 YRS	20-<30 YRS	30-<40 YRS	40-<50 YRS	50-<60 YRS	60+ YRS	
Pathogen										
CAMPYLOBACTER	Cases	-	1	3	-	6	2	1	4	17
	Percent	-	5.9	17.6	-	35.3	11.8	5.9	23.5	100.0
LISTERIA	Cases	1	1	-	2	-	1	-	5	10
	Percent	10.0	10.0	-	20.0	-	10.0	-	50.0	100.0
SALMONELLA	Cases	3	3	1	8	9	10	5	3	42
	Percent	7.1	7.1	2.4	19.0	21.4	23.8	11.9	7.1	100.0
SHIGELLA	Cases	-	-	-	-	2	1	1	2	6
	Percent	-	-	-	-	33.3	16.7	16.7	33.3	100.0
VIBRIO	Cases	-	-	-	-	-	-	-	-	-
	Percent	-	-	-	-	-	-	-	-	-
YERSINIA	Cases	1	-	-	-	-	-	1	-	2
	Percent	50.0	-	-	-	-	-	50.0	-	100.0
Total	Cases	5	5	4	10	17	14	8	14	77
	Percent	6.5	6.5	5.2	13.0	22.1	18.2	10.4	18.2	100.0

CDC's Emerging Infections Program (FoodNet)
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 Tables 15a through 15e - Age Distribution for Invasive Specimens by Site

Table 15b: Site = Connecticut		Age Specific Strata								Total
		0-<1 YR	1-<10 YRS	10-<20 YRS	20-<30 YRS	30-<40 YRS	40-<50 YRS	50-<60 YRS	60+ YRS	
Pathogen										
CAMPYLOBACTER	Cases	-	-	-	-	1	-	-	2	3
	Percent	-	-	-	-	33.3	-	-	66.7	100.0
LISTERIA	Cases	-	-	-	-	2	-	1	12	15
	Percent	-	-	-	-	13.3	-	6.7	80.0	100.0
SALMONELLA	Cases	4	5	-	-	3	6	1	4	23
	Percent	17.4	21.7	-	-	13.0	26.1	4.3	17.4	100.0
SHIGELLA	Cases	-	-	-	-	-	-	-	1	1
	Percent	-	-	-	-	-	-	-	100.0	100.0
VIBRIO	Cases	-	-	-	-	-	-	-	1	1
	Percent	-	-	-	-	-	-	-	100.0	100.0
YERSINIA	Cases	-	-	-	-	-	-	-	2	2
	Percent	-	-	-	-	-	-	-	100.0	100.0
Total	Cases	4	5	-	-	6	6	2	22	45
	Percent	8.9	11.1	-	-	13.3	13.3	4.4	48.9	100.0

CDC's Emerging Infections Program (FoodNet)
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 Tables 15a through 15e - Age Distribution for Invasive Specimens by Site

Table 15c: Site = Georgia		Age Specific Strata								Total
		0-<1 YR	1-<10 YRS	10-<20 YRS	20-<30 YRS	30-<40 YRS	40-<50 YRS	50-<60 YRS	60+ YRS	
Pathogen										
CAMPYLOBACTER	Cases	1	1	-	-	3	-	-	-	5
	Percent	20.0	20.0	-	-	60.0	-	-	-	100.0
LISTERIA	Cases	2	-	1	-	1	1	1	6	12
	Percent	16.7	-	8.3	-	8.3	8.3	8.3	50.0	100.0
SALMONELLA	Cases	7	5	2	1	5	11	-	5	36
	Percent	19.4	13.9	5.6	2.8	13.9	30.6	-	13.9	100.0
SHIGELLA	Cases	-	2	-	1	1	-	-	1	5
	Percent	-	40.0	-	20.0	20.0	-	-	20.0	100.0
VIBRIO	Cases	-	-	-	-	-	-	-	-	-
	Percent	-	-	-	-	-	-	-	-	-
YERSINIA	Cases	-	-	1	-	-	-	-	-	1
	Percent	-	-	100.0	-	-	-	-	-	100.0
Total	Cases	10	8	4	2	10	12	1	12	59
	Percent	16.9	13.6	6.8	3.4	16.9	20.3	1.7	20.3	100.0

CDC's Emerging Infections Program (FoodNet)
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 Tables 15a through 15e - Age Distribution for Invasive Specimens by Site

Table 15d: Site = Minnesota		Age Specific Strata								Total
		0-<1 YR	1-<10 YRS	10-<20 YRS	20-<30 YRS	30-<40 YRS	40-<50 YRS	50-<60 YRS	60+ YRS	
Pathogen										
CAMPYLOBACTER	Cases	-	-	1	-	-	-	-	-	1
	Percent	-	-	100.0	-	-	-	-	-	100.0
LISTERIA	Cases	2	-	1	1	-	-	-	4	8
	Percent	25.0	-	12.5	12.5	-	-	-	50.0	100.0
SALMONELLA	Cases	4	2	1	3	3	1	2	7	23
	Percent	17.4	8.7	4.3	13.0	13.0	4.3	8.7	30.4	100.0
SHIGELLA	Cases	-	-	-	-	-	-	-	-	-
	Percent	-	-	-	-	-	-	-	-	-
VIBRIO	Cases	-	-	-	-	-	-	-	-	-
	Percent	-	-	-	-	-	-	-	-	-
YERSINIA	Cases	-	-	-	-	-	-	-	-	-
	Percent	-	-	-	-	-	-	-	-	-
Total	Cases	6	2	3	4	3	1	2	11	32
	Percent	18.8	6.3	9.4	12.5	9.4	3.1	6.3	34.4	100.0

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 Tables 15a through 15e - Age Distribution for Invasive Specimens by Site

Table 15e: Site = Oregon		Age Specific Strata								Total
		0-<1 YR	1-<10 YRS	10-<20 YRS	20-<30 YRS	30-<40 YRS	40-<50 YRS	50-<60 YRS	60+ YRS	
Pathogen										
CAMPYLOBACTER	Cases	-	-	-	-	-	1	1	-	2
	Percent	-	-	-	-	-	50.0	50.0	-	100.0
LISTERIA	Cases	3	-	1	-	2	1	-	7	14
	Percent	21.4	-	7.1	-	14.3	7.1	-	50.0	100.0
SALMONELLA	Cases	2	3	2	2	1	1	1	8	20
	Percent	10.0	15.0	10.0	10.0	5.0	5.0	5.0	40.0	100.0
SHIGELLA	Cases	-	-	-	-	-	-	-	-	-
	Percent	-	-	-	-	-	-	-	-	-
VIBRIO	Cases	-	-	-	-	-	-	-	1	1
	Percent	-	-	-	-	-	-	-	100.0	100.0
YERSINIA	Cases	-	-	-	-	-	-	-	-	-
	Percent	-	-	-	-	-	-	-	-	-
Total	Cases	5	3	3	2	3	3	2	16	37
	Percent	13.5	8.1	8.1	5.4	8.1	8.1	5.4	43.2	100.0

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 Table 16 - Sex Distribution for Invasive Specimens for All Sites

		Sex		Total
		F	M	
Pathogen				
CAMPYLOBACTER	Cases	11	17	28
	Percent	39.3	60.7	100.0
LISTERIA	Cases	33	26	59
	Percent	55.9	44.1	100.0
SALMONELLA	Cases	48	95	143
	Percent	33.6	66.4	100.0
SHIGELLA	Cases	5	7	12
	Percent	41.7	58.3	100.0
VIBRIO	Cases	1	1	2
	Percent	50.0	50.0	100.0
YERSINIA	Cases	3	2	5
	Percent	60.0	40.0	100.0
Total	Cases	101	148	249
	Percent	40.6	59.4	100.0

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Tables 16a through 16e - Sex Distribution for Invasive Specimens by Site

Table 16a: Site = California		Sex		Total
		F	M	
Pathogen				
CAMPYLOBACTER	Cases	6	11	17
	Percent	35.3	64.7	100.0
LISTERIA	Cases	5	5	10
	Percent	50.0	50.0	100.0
SALMONELLA	Cases	16	25	41
	Percent	39.0	61.0	100.0
SHIGELLA	Cases	3	3	6
	Percent	50.0	50.0	100.0
VIBRIO	Cases	-	-	-
	Percent	-	-	-
YERSINIA	Cases	1	1	2
	Percent	50.0	50.0	100.0
Total	Cases	31	45	76
	Percent	40.8	59.2	100.0

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Tables 16a through 16e - Sex Distribution for Invasive Specimens by Site

Table 16b: Site = Connecticut		Sex		Total
		F	M	
Pathogen				
CAMPYLOBACTER	Cases	1	2	3
	Percent	33.3	66.7	100.0
LISTERIA	Cases	8	7	15
	Percent	53.3	46.7	100.0
SALMONELLA	Cases	8	15	23
	Percent	34.8	65.2	100.0
SHIGELLA	Cases	1	-	1
	Percent	100.0	-	100.0
VIBRIO	Cases	1	-	1
	Percent	100.0	-	100.0
YERSINIA	Cases	1	1	2
	Percent	50.0	50.0	100.0
Total	Cases	20	25	45
	Percent	44.4	55.6	100.0

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Tables 16a through 16e - Sex Distribution for Invasive Specimens by Site

Table 16c: Site = Georgia		Sex		Total
		F	M	
Pathogen				
CAMPYLOBACTER	Cases	3	2	5
	Percent	60.0	40.0	100.0
LISTERIA	Cases	5	7	12
	Percent	41.7	58.3	100.0
SALMONELLA	Cases	11	25	36
	Percent	30.6	69.4	100.0
SHIGELLA	Cases	1	4	5
	Percent	20.0	80.0	100.0
VIBRIO	Cases	-	-	-
	Percent	-	-	-
YERSINIA	Cases	1	-	1
	Percent	100.0	-	100.0
Total	Cases	21	38	59
	Percent	35.6	64.4	100.0

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Tables 16a through 16e - Sex Distribution for Invasive Specimens by Site

Table 16d: Site = Minnesota		Sex		Total
		F	M	
Pathogen				
CAMPYLOBACTER	Cases	-	1	1
	Percent	-	100.0	100.0
LISTERIA	Cases	6	2	8
	Percent	75.0	25.0	100.0
SALMONELLA	Cases	6	17	23
	Percent	26.1	73.9	100.0
SHIGELLA	Cases	-	-	-
	Percent	-	-	-
VIBRIO	Cases	-	-	-
	Percent	-	-	-
YERSINIA	Cases	-	-	-
	Percent	-	-	-
Total	Cases	12	20	32
	Percent	37.5	62.5	100.0

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Tables 16a through 16e - Sex Distribution for Invasive Specimens by Site

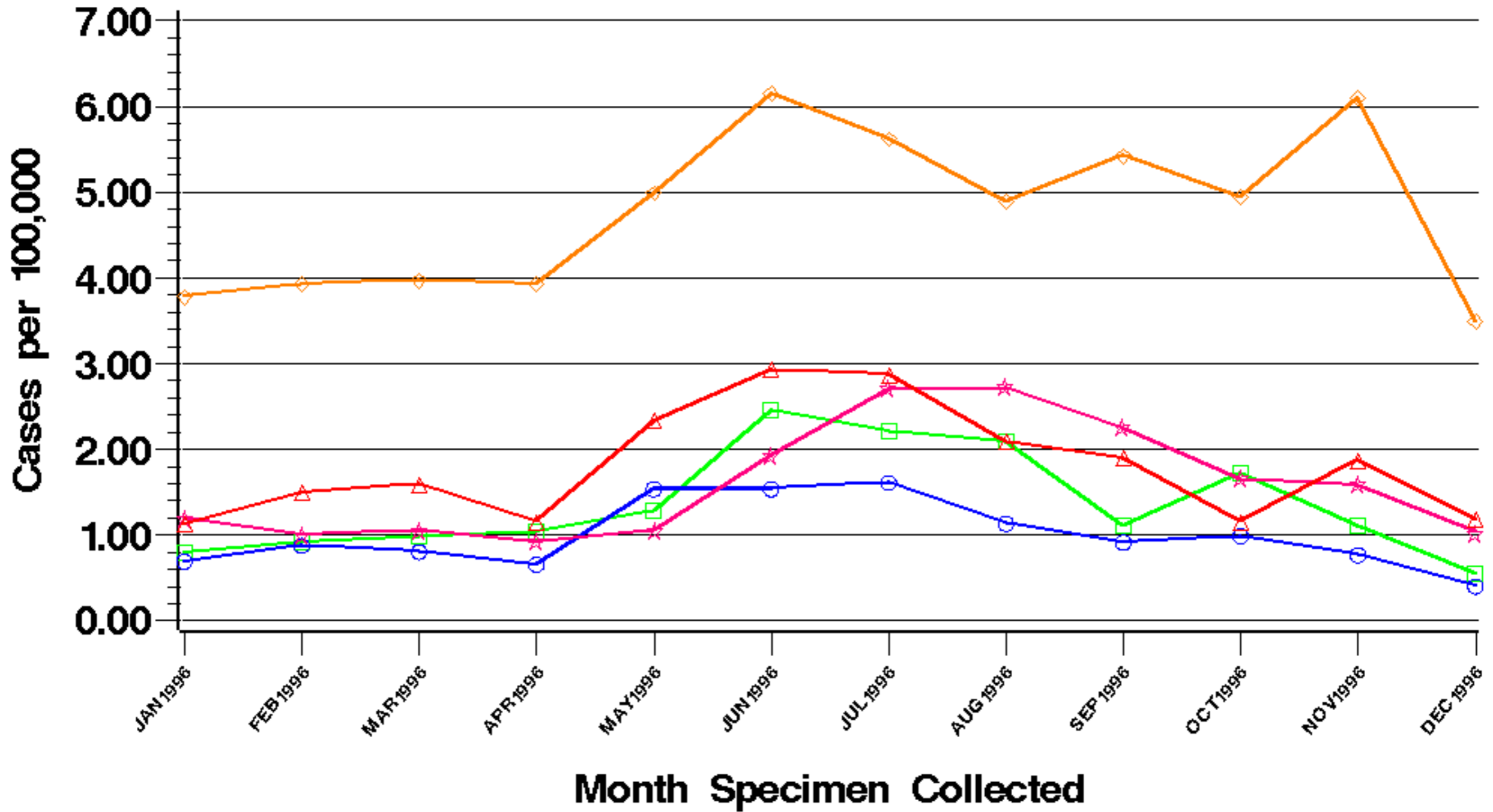
Table 16e: Site = Oregon		Sex		Total
		F	M	
Pathogen				
CAMPYLOBACTER	Cases	1	1	2
	Percent	50.0	50.0	100.0
LISTERIA	Cases	9	5	14
	Percent	64.3	35.7	100.0
SALMONELLA	Cases	7	13	20
	Percent	35.0	65.0	100.0
SHIGELLA	Cases	-	-	-
	Percent	-	-	-
VIBRIO	Cases	-	1	1
	Percent	-	100.0	100.0
YERSINIA	Cases	-	-	-
	Percent	-	-	-
Total	Cases	17	20	37
	Percent	45.9	54.1	100.0

CDC's Emerging Infections Program

CDC/USDA/FDA Foodborne Diseases Active Surveillance Network (FoodNet)

Rate per 100,000 per Month Postcensal Population Estimates

Pathogen = CAMPYLOBACTER



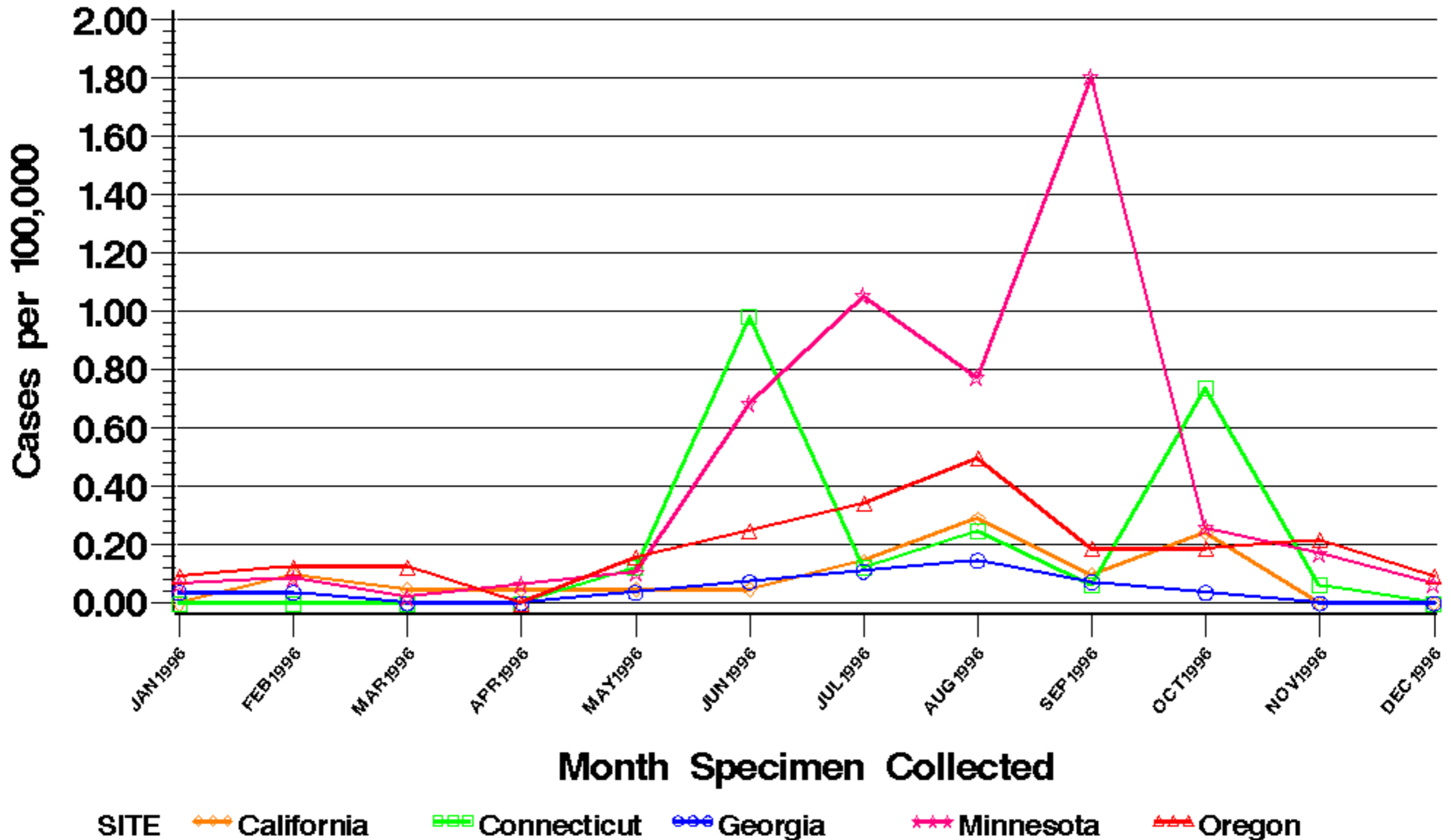
SITE California Connecticut Georgia Minnesota Oregon

CDC's Emerging Infections Program

CDC/USDA/FDA Foodborne Diseases Active Surveillance Network (FoodNet)

Rate per 100,000 per Month Postcensal Population Estimates

Pathogen = E. COLI O157

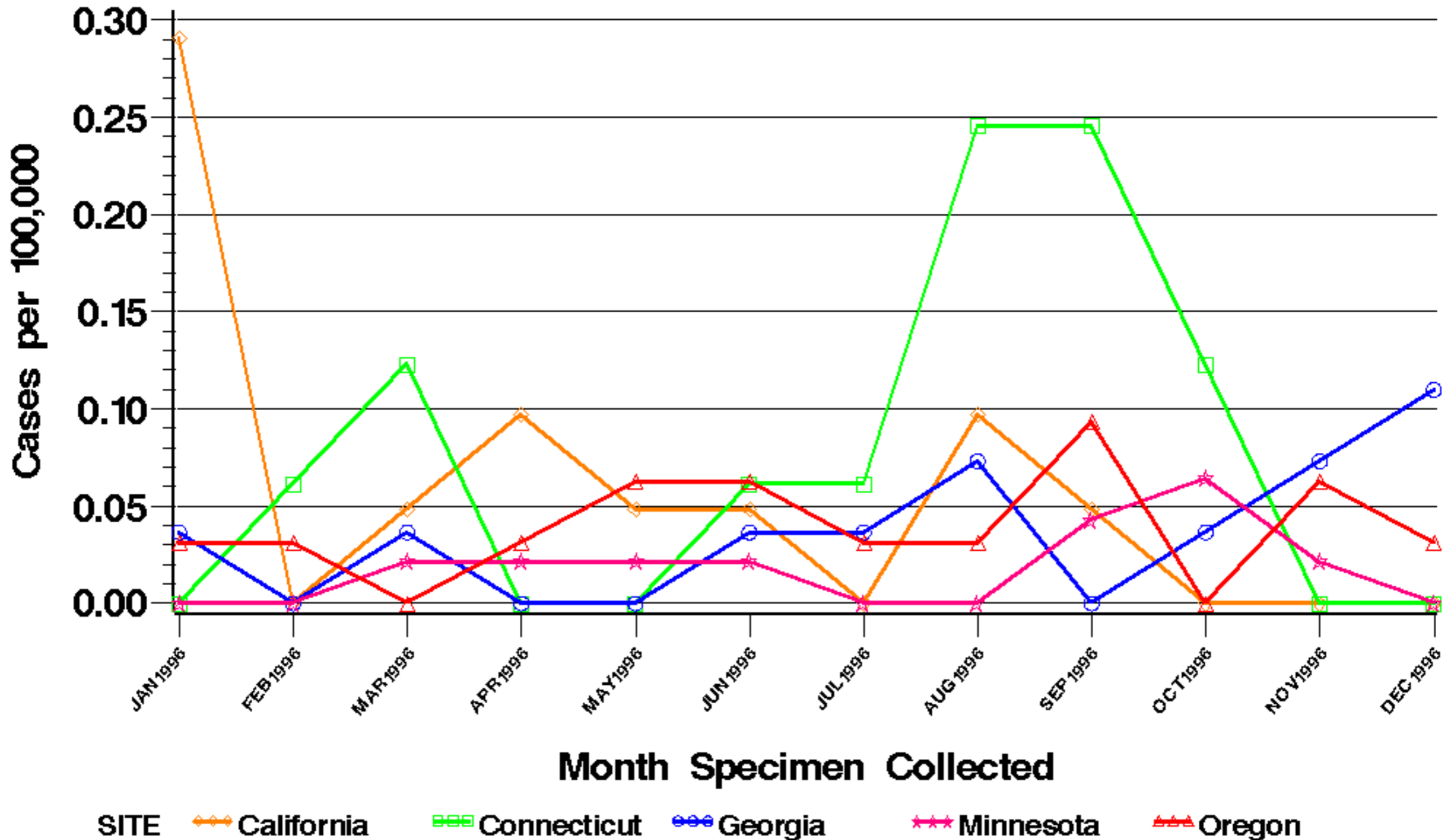


CDC's Emerging Infections Program

CDC/USDA/FDA Foodborne Diseases Active Surveillance Network (FoodNet)

Rate per 100,000 per Month Postcensal Population Estimates

Pathogen = LISTERIA

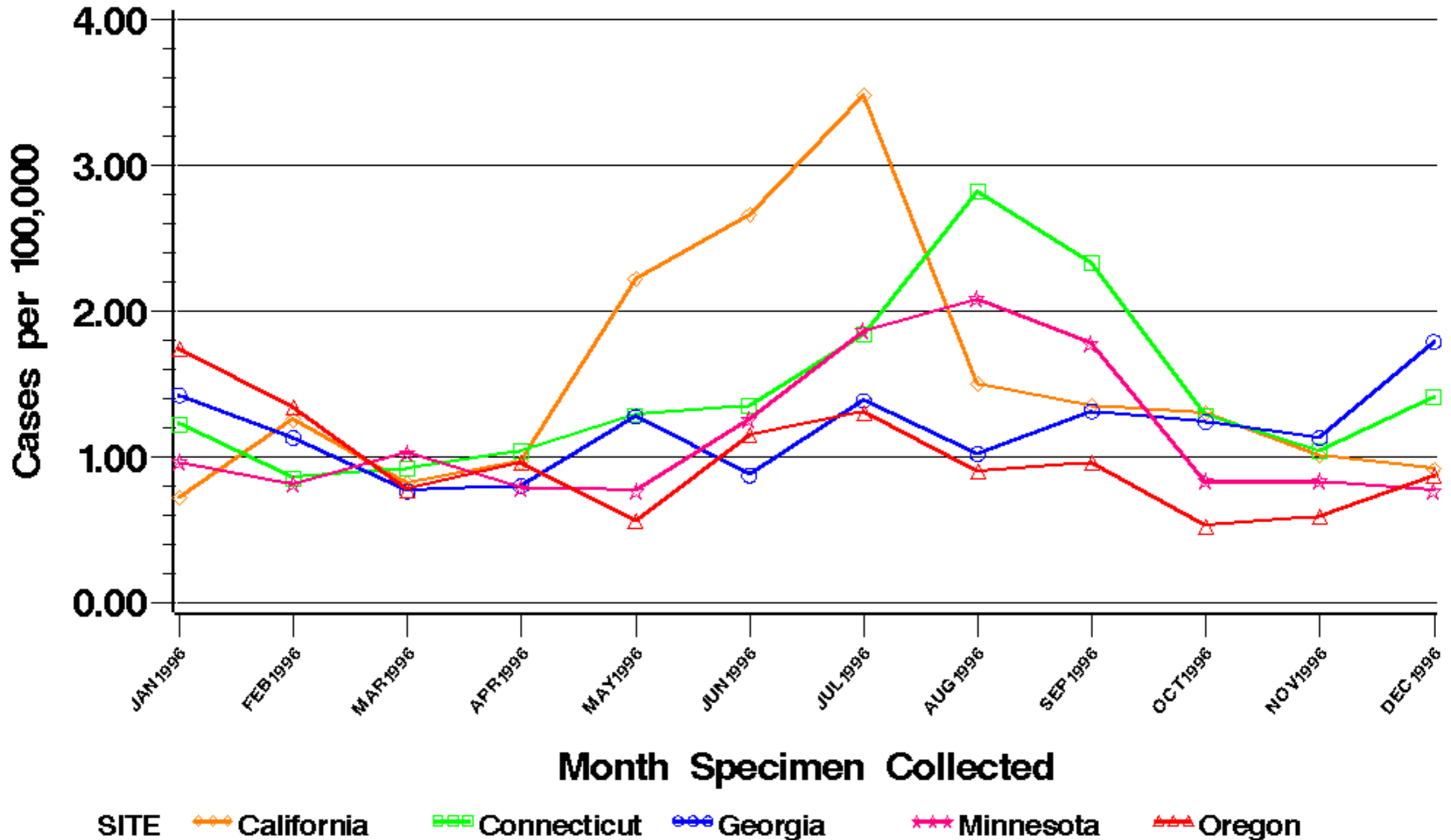


CDC's Emerging Infections Program

CDC/USDA/FDA Foodborne Diseases Active Surveillance Network (FoodNet)

Rate per 100,000 per Month Postcensal Population Estimates

Pathogen = SALMONELLA

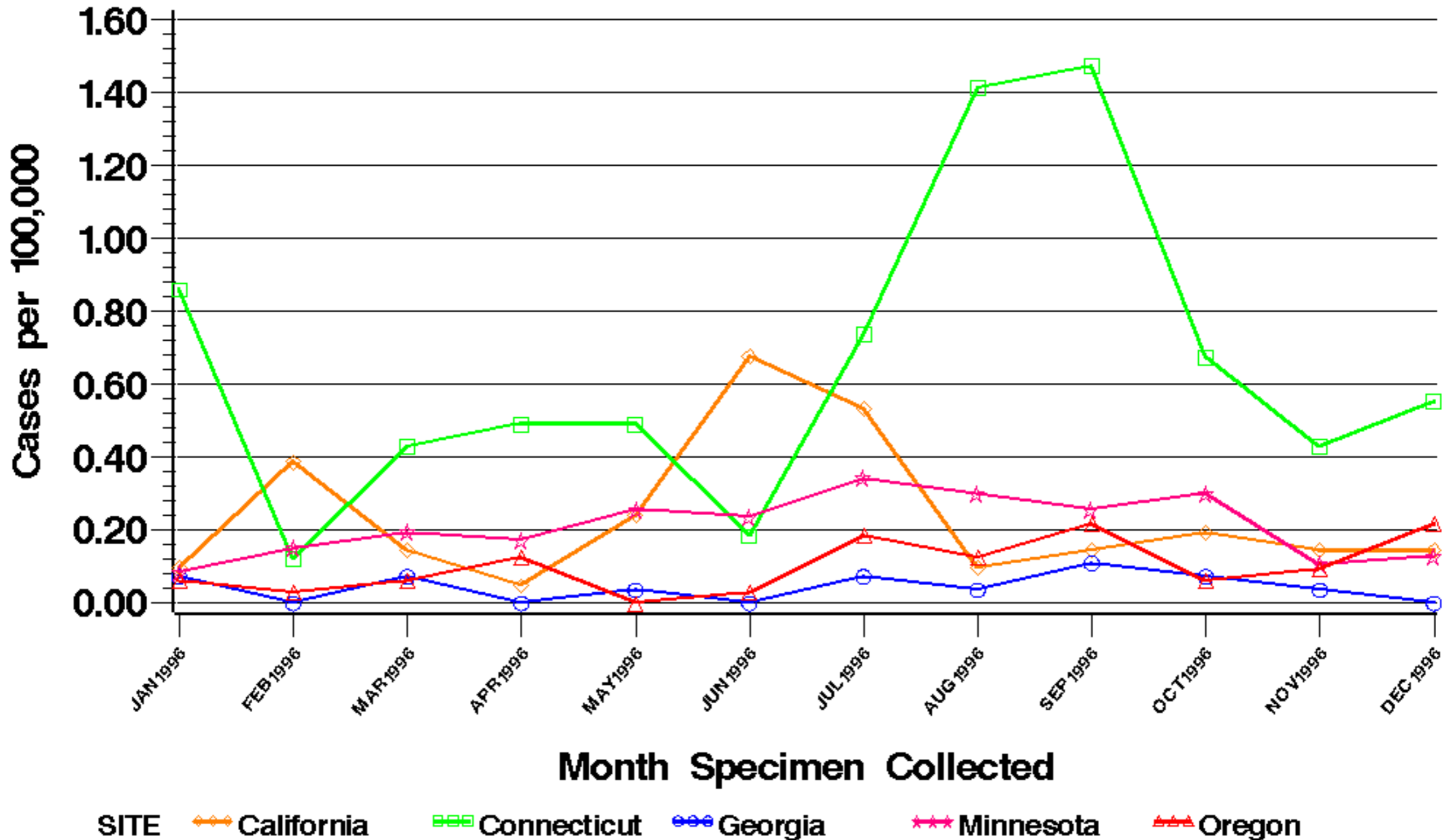


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CDC/USDA/FDA Foodborne Diseases Active Surveillance Network (FoodNet)

Rate per 100,000 per Month Postcensal Population Estimates

Pathogen = SALMONELLA Serotype/Species = ENTERITIDIS

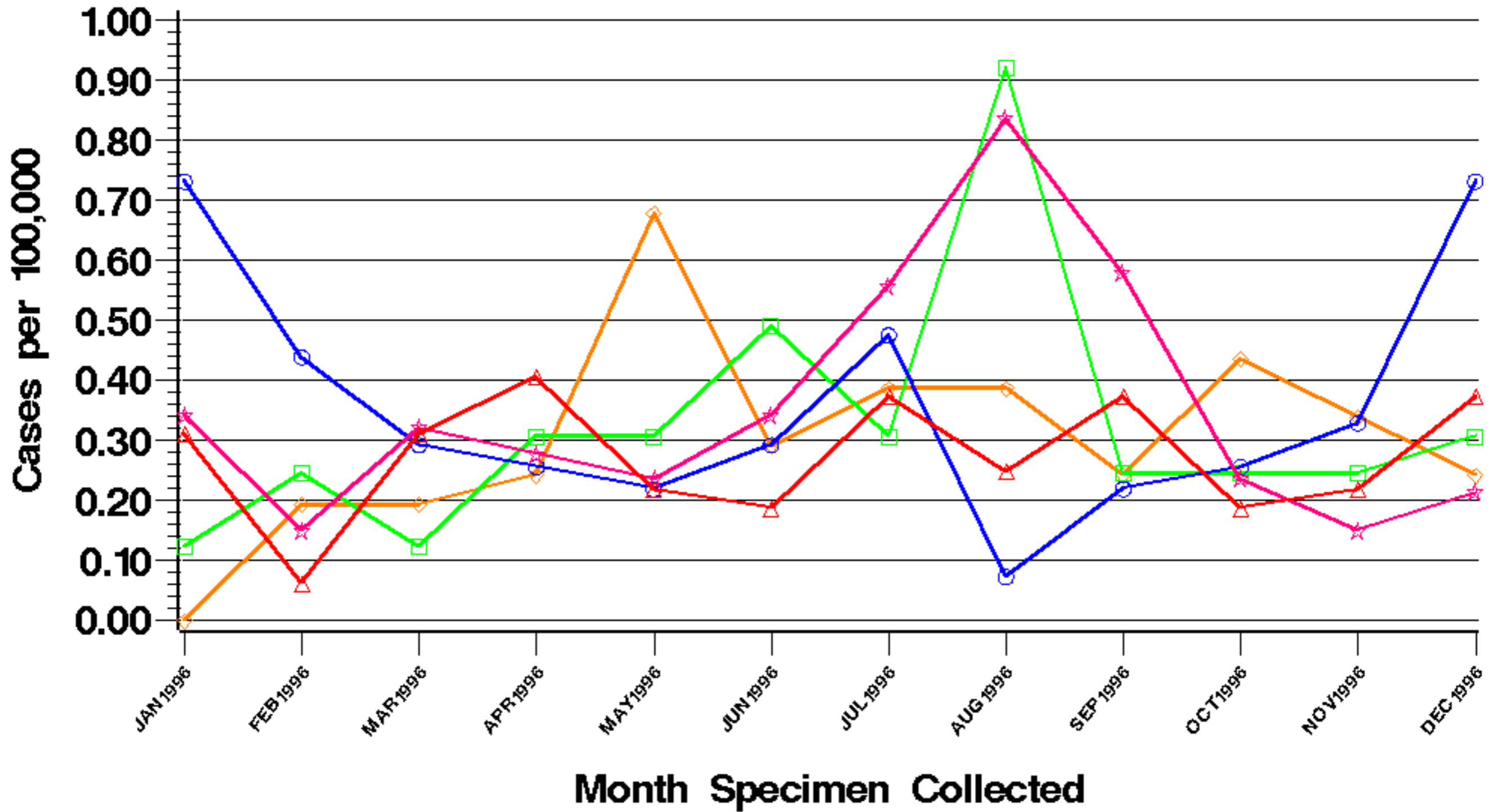


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Rate per 100,000 per Month Postcensal Population Estimates

Pathogen = SALMONELLA Serotype/Species = TYPHIMURIUM



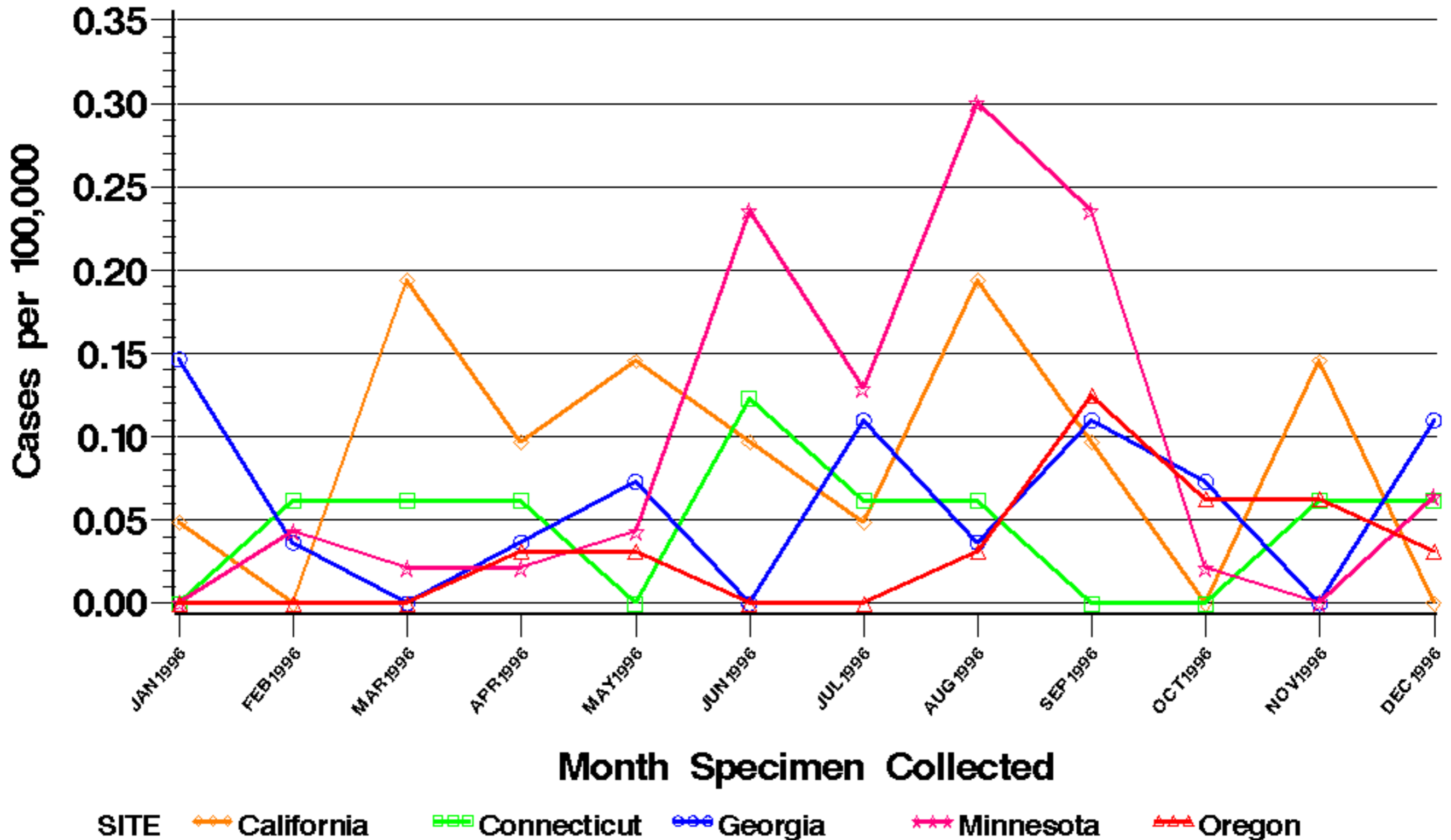
SITE California Connecticut Georgia Minnesota Oregon

CDC's Emerging Infections Program

CDC/USDA/FDA Foodborne Diseases Active Surveillance Network (FoodNet)

Rate per 100,000 per Month Postcensal Population Estimates

Pathogen = SALMONELLA Serotype/Species = HEIDELBERG

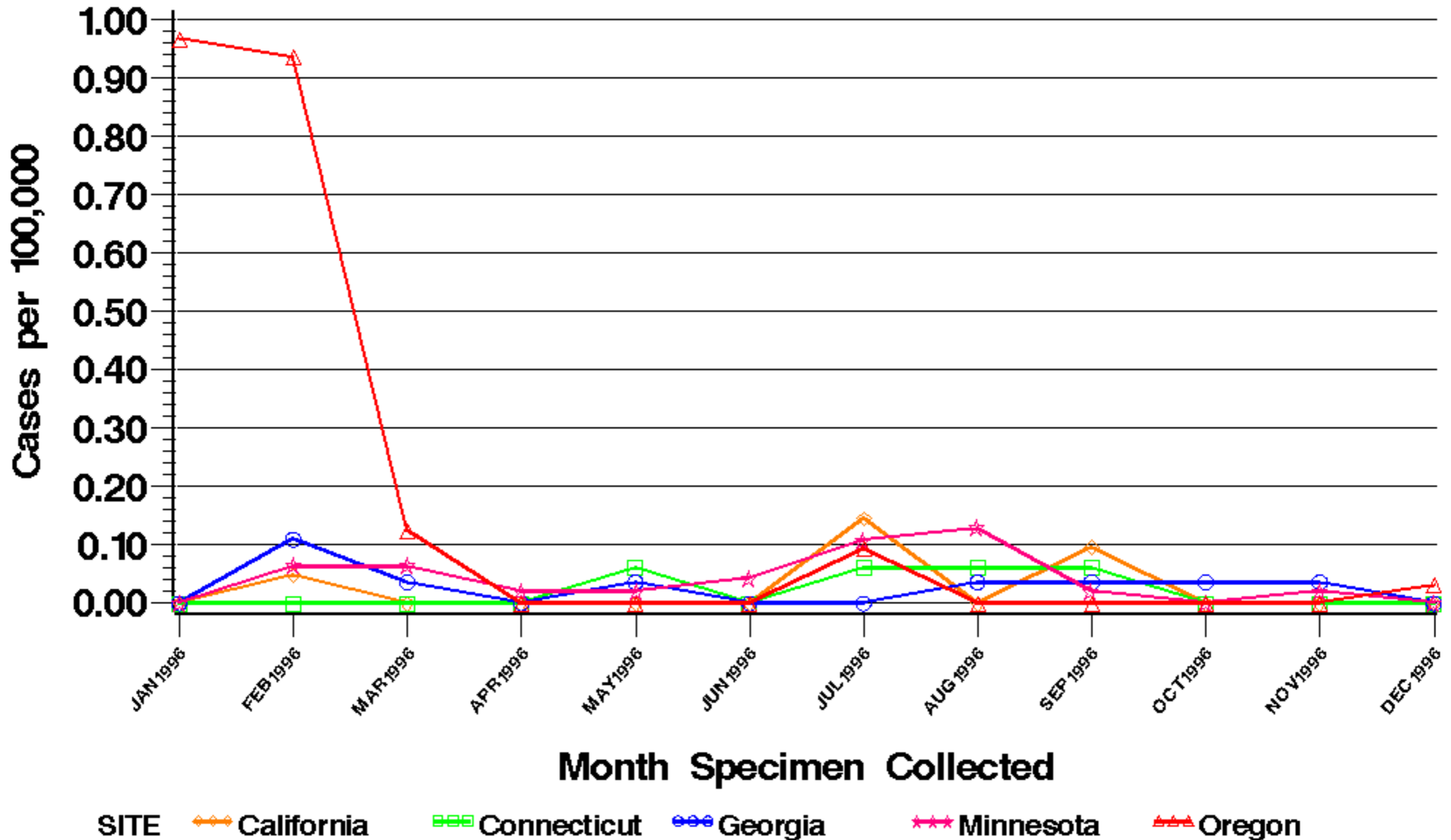


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CDC/USDA/FDA Foodborne Diseases Active Surveillance Network (FoodNet)

Rate per 100,000 per Month Postcensal Population Estimates

Pathogen = SALMONELLA Serotype/Species = NEWPORT

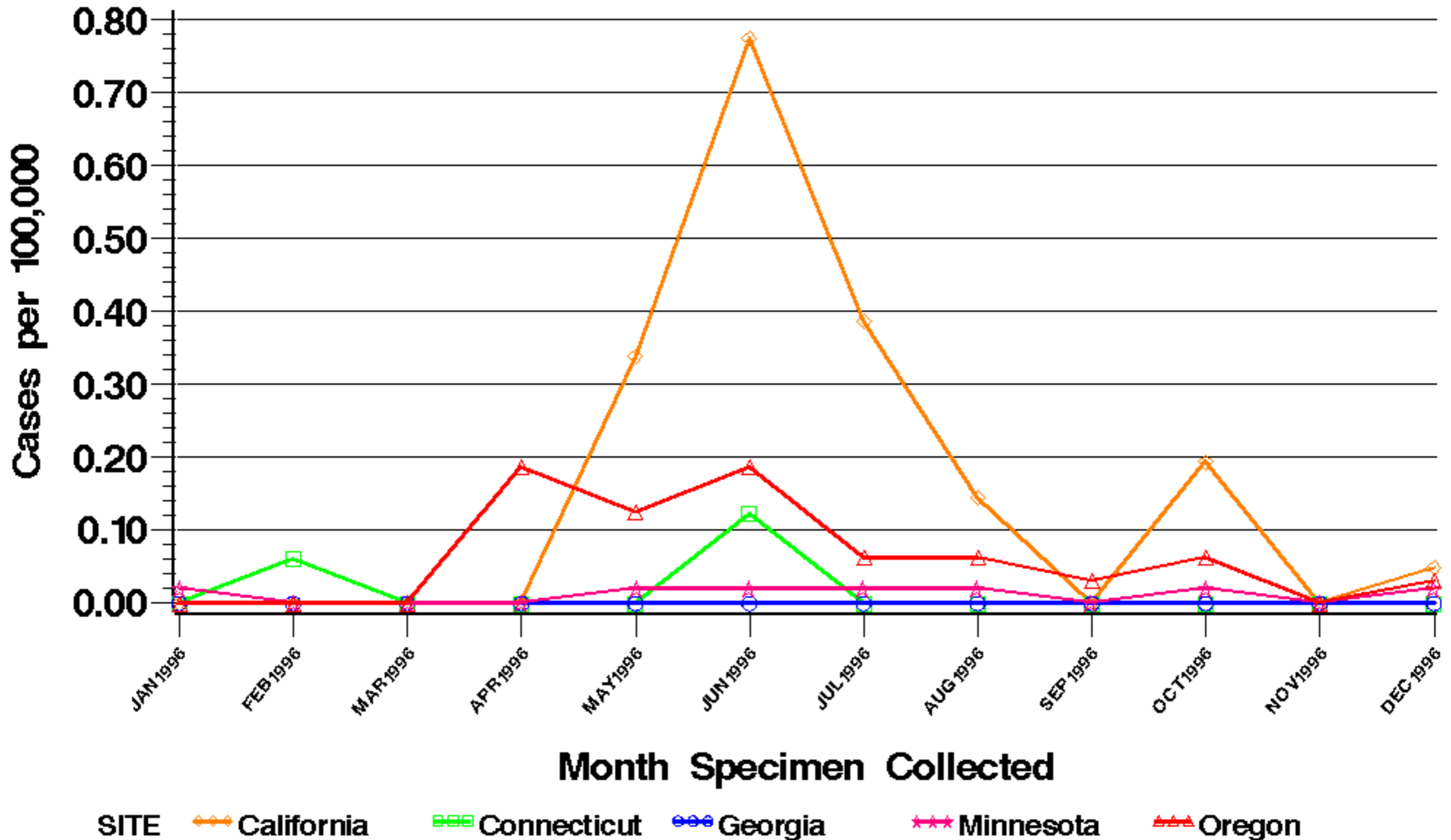


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Rate per 100,000 per Month Postcensal Population Estimates

Pathogen = SALMONELLA Serotype/Species = MONTEVIDEO

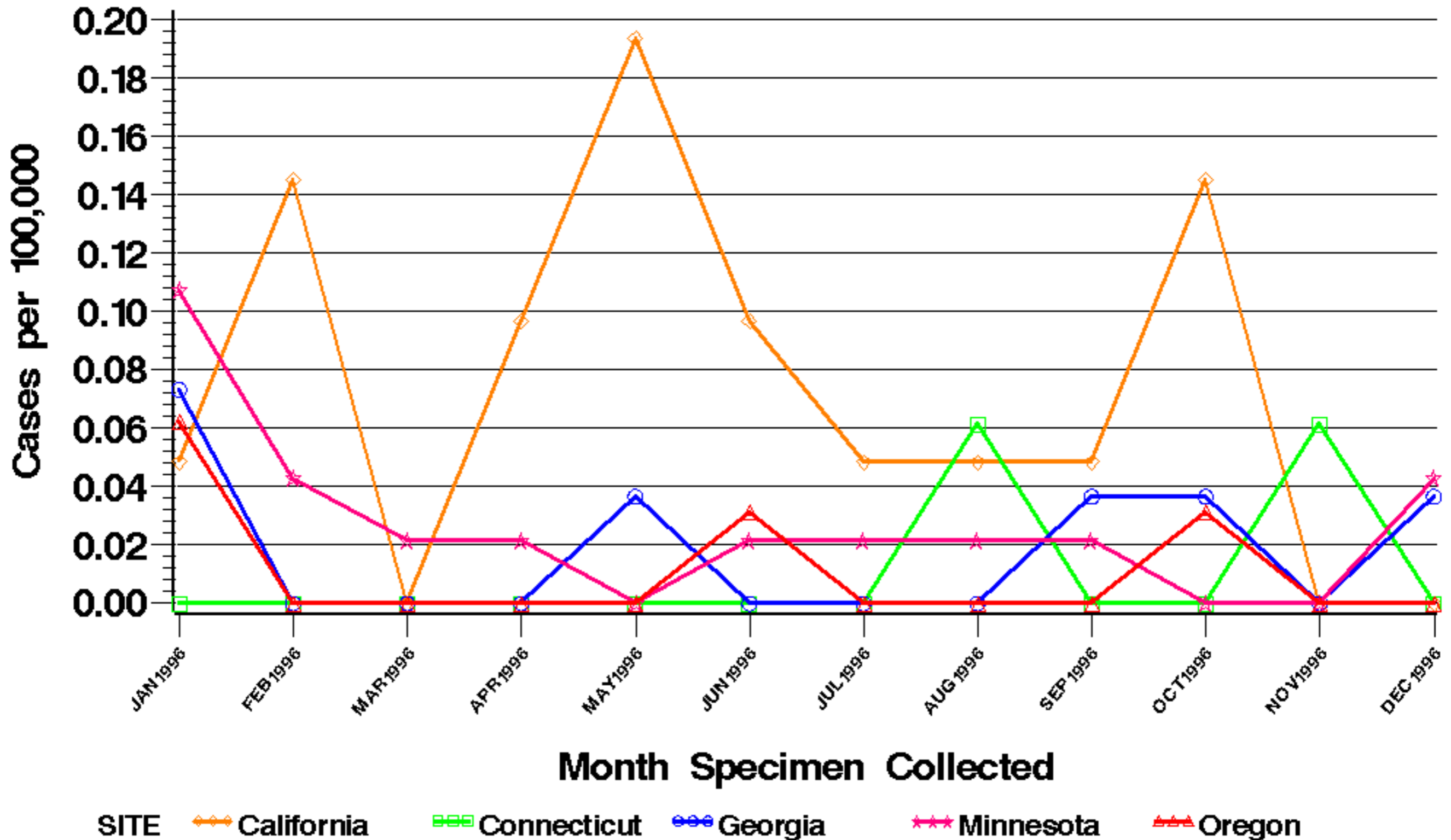


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Rate per 100,000 per Month Postcensal Population Estimates

Pathogen = SALMONELLA Serotype/Species = AGONA

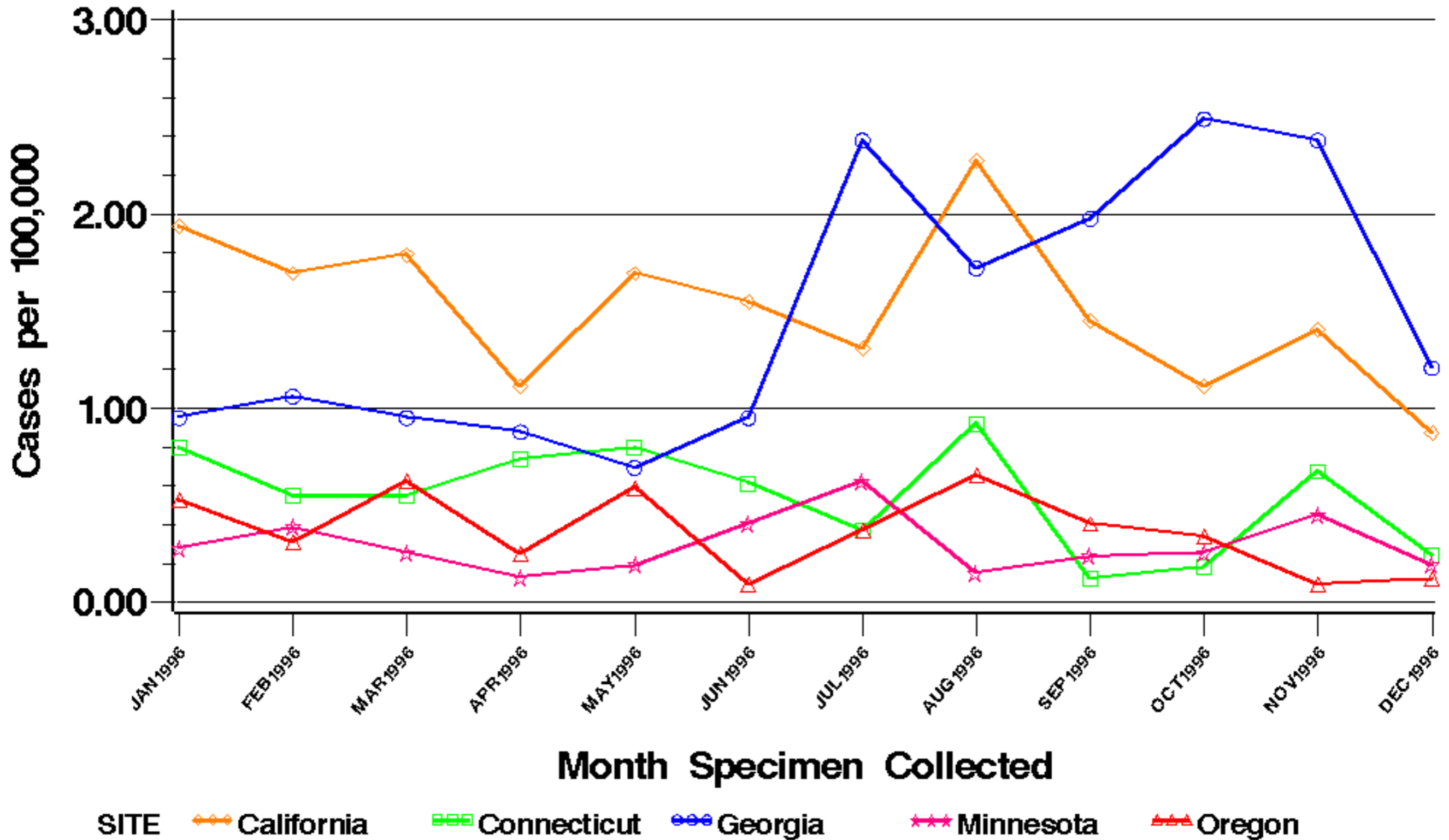


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Rate per 100,000 per Month Postcensal Population Estimates

Pathogen = SHIGELLA

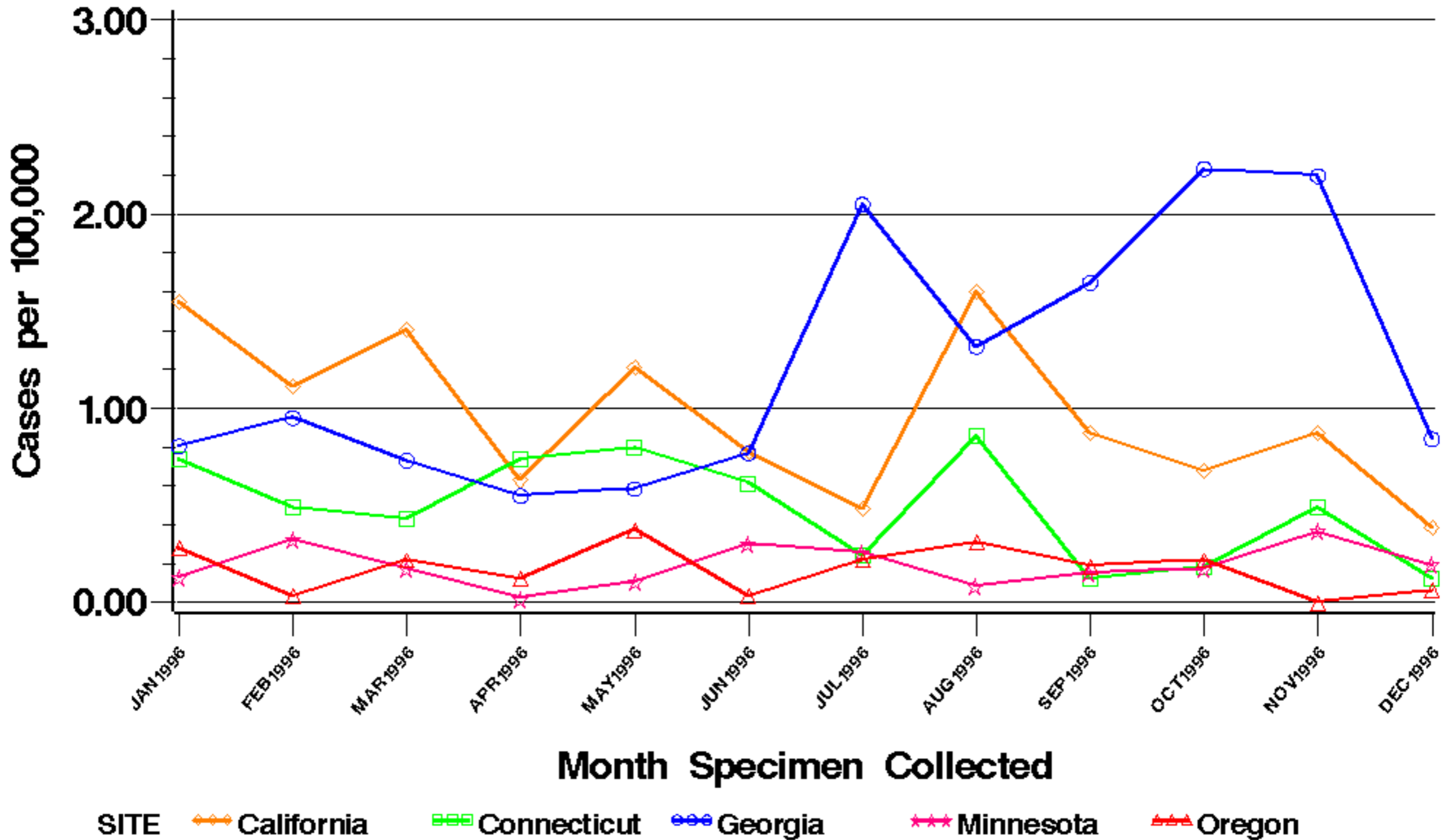


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CDC/USDA/FDA Foodborne Diseases Active Surveillance Network (FoodNet)

Rate per 100,000 per Month Postcensal Population Estimates

Pathogen = SHIGELLA Serotype/Species = SONNEI

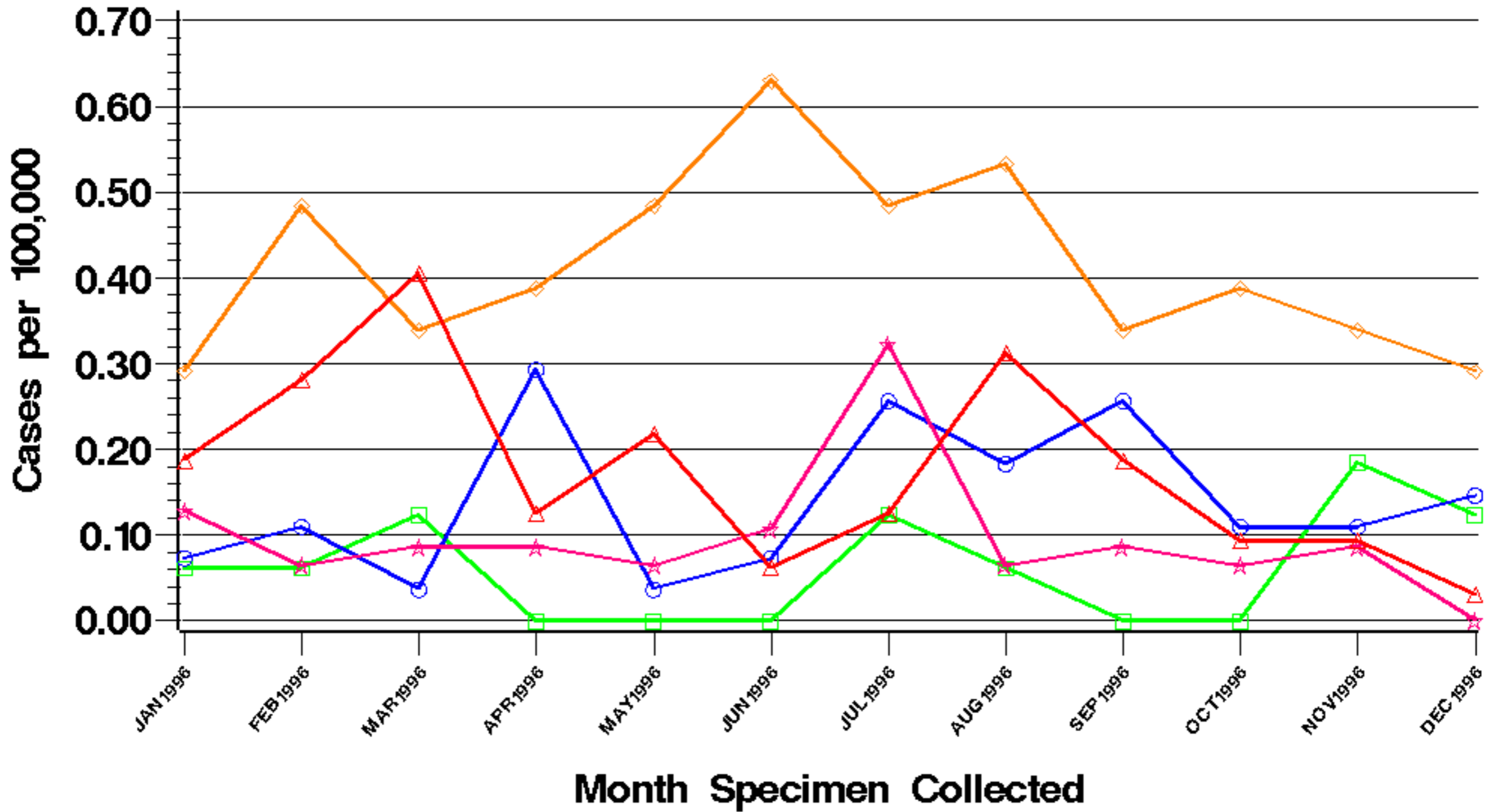


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CDC/USDA/FDA Foodborne Diseases Active Surveillance Network (FoodNet)

Rate per 100,000 per Month Postcensal Population Estimates

Pathogen = SHIGELLA Serotype/Species = FLEXNERI



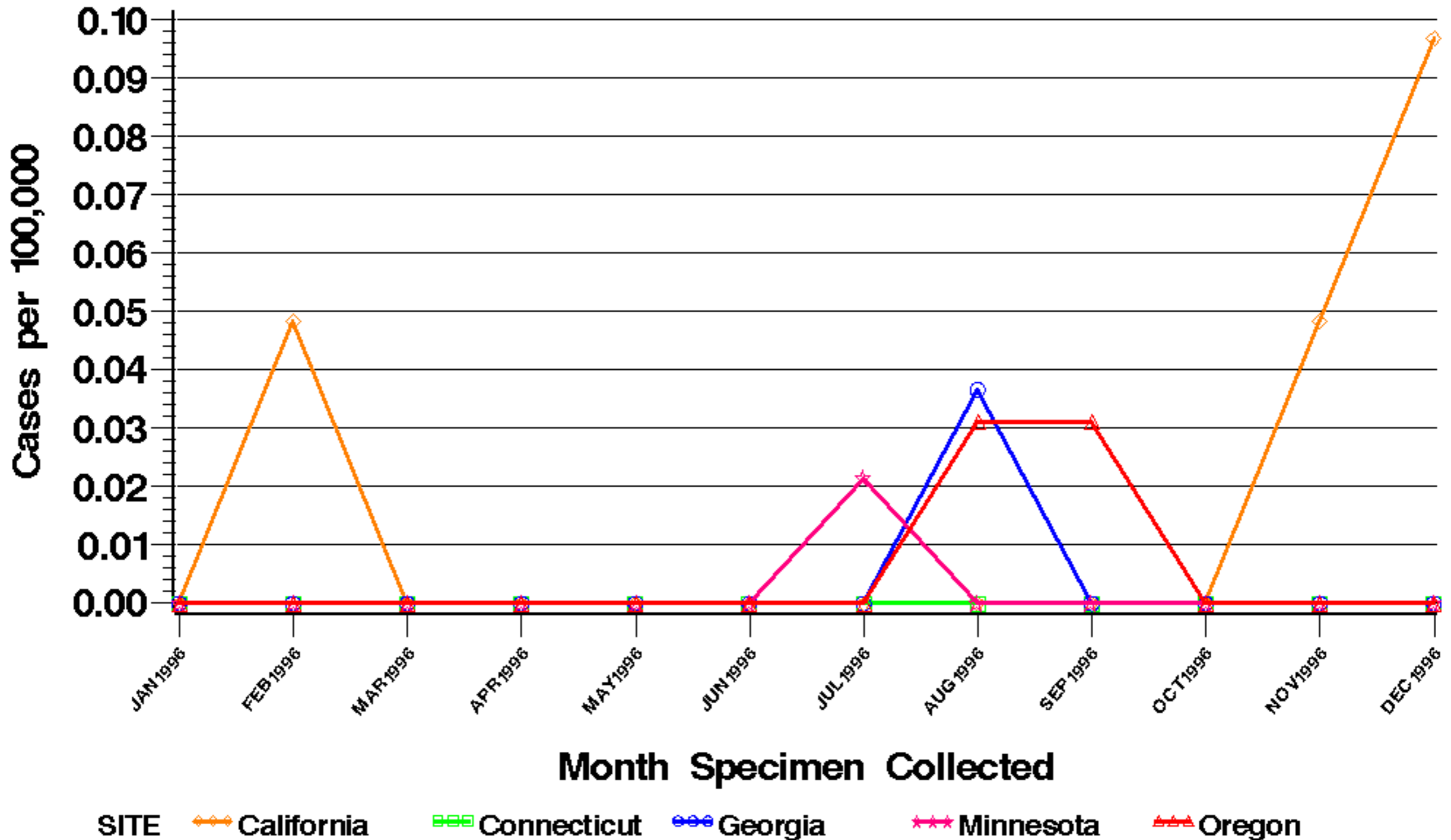
SITE California Connecticut Georgia Minnesota Oregon

CDC's Emerging Infections Program

CDC/USDA/FDA Foodborne Diseases Active Surveillance Network (FoodNet)

Rate per 100,000 per Month Postcensal Population Estimates

Pathogen = SHIGELLA Serotype/Species = DYSENTERIA

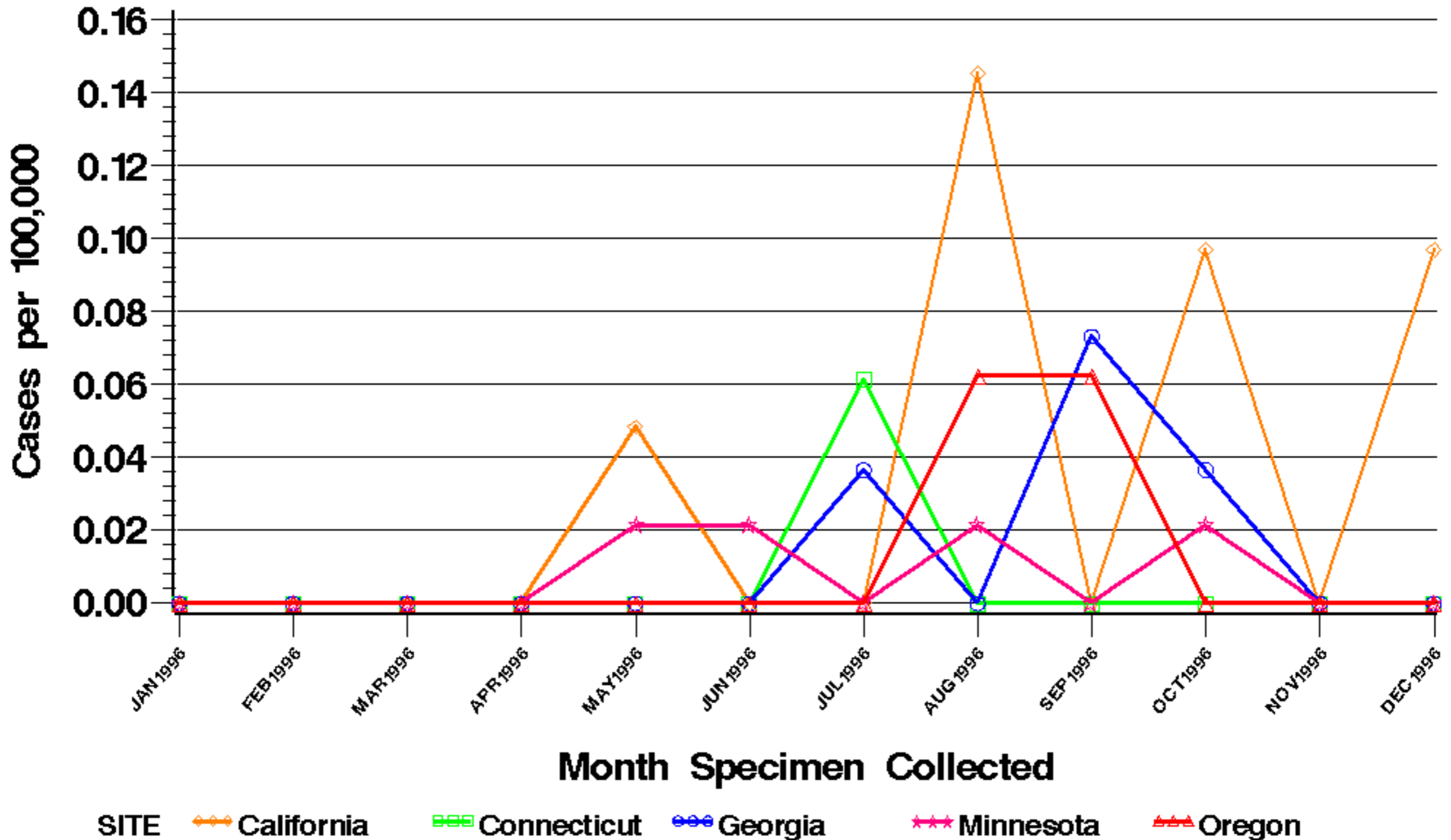


CDC's Emerging Infections Program

CDC/USDA/FDA Foodborne Diseases Active Surveillance Network (FoodNet)

Rate per 100,000 per Month Postcensal Population Estimates

Pathogen = VIBRIO

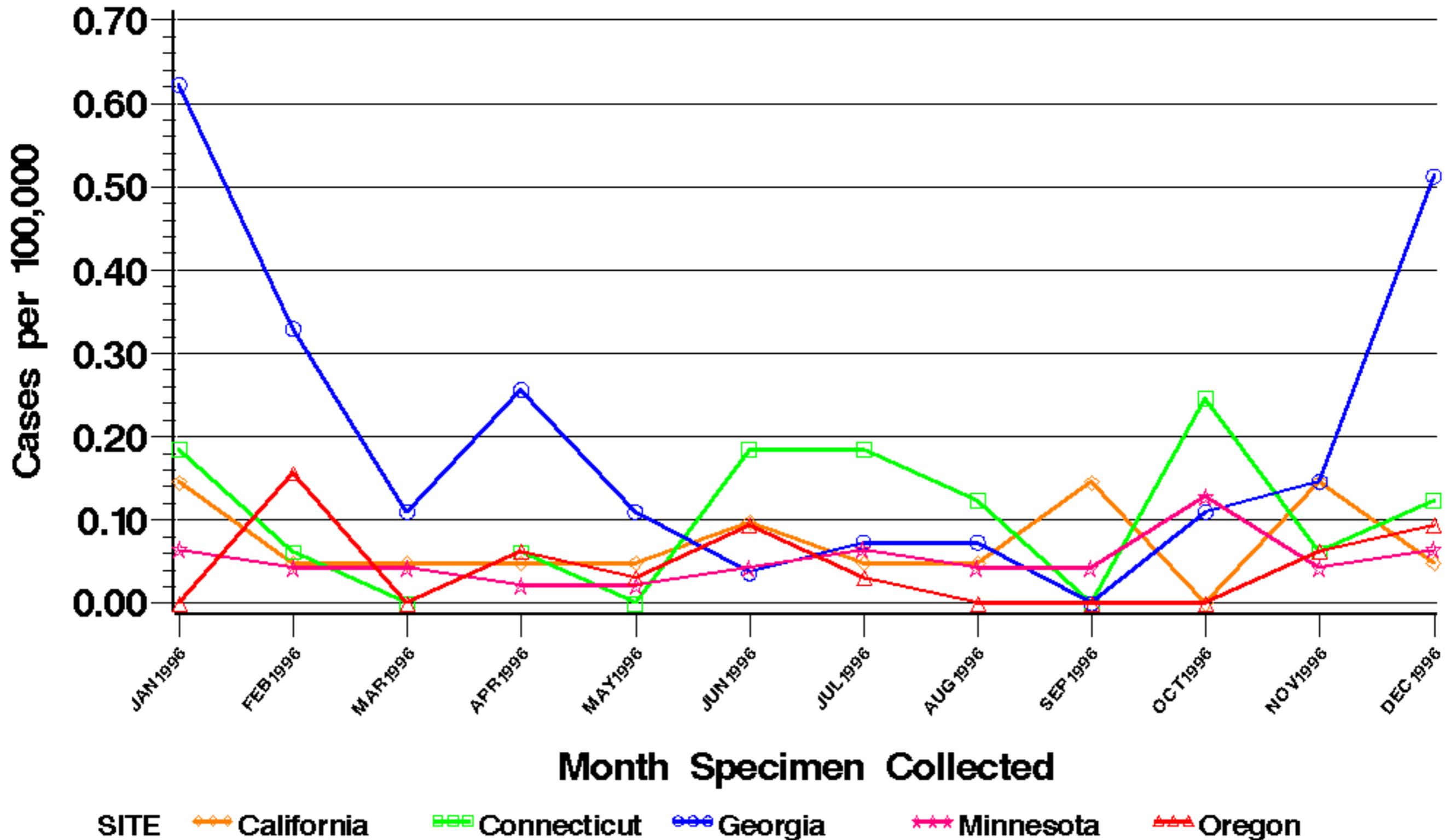


CDC's Emerging Infections Program

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Rate per 100,000 per Month Postcensal Population Estimates

Pathogen = YERSINIA



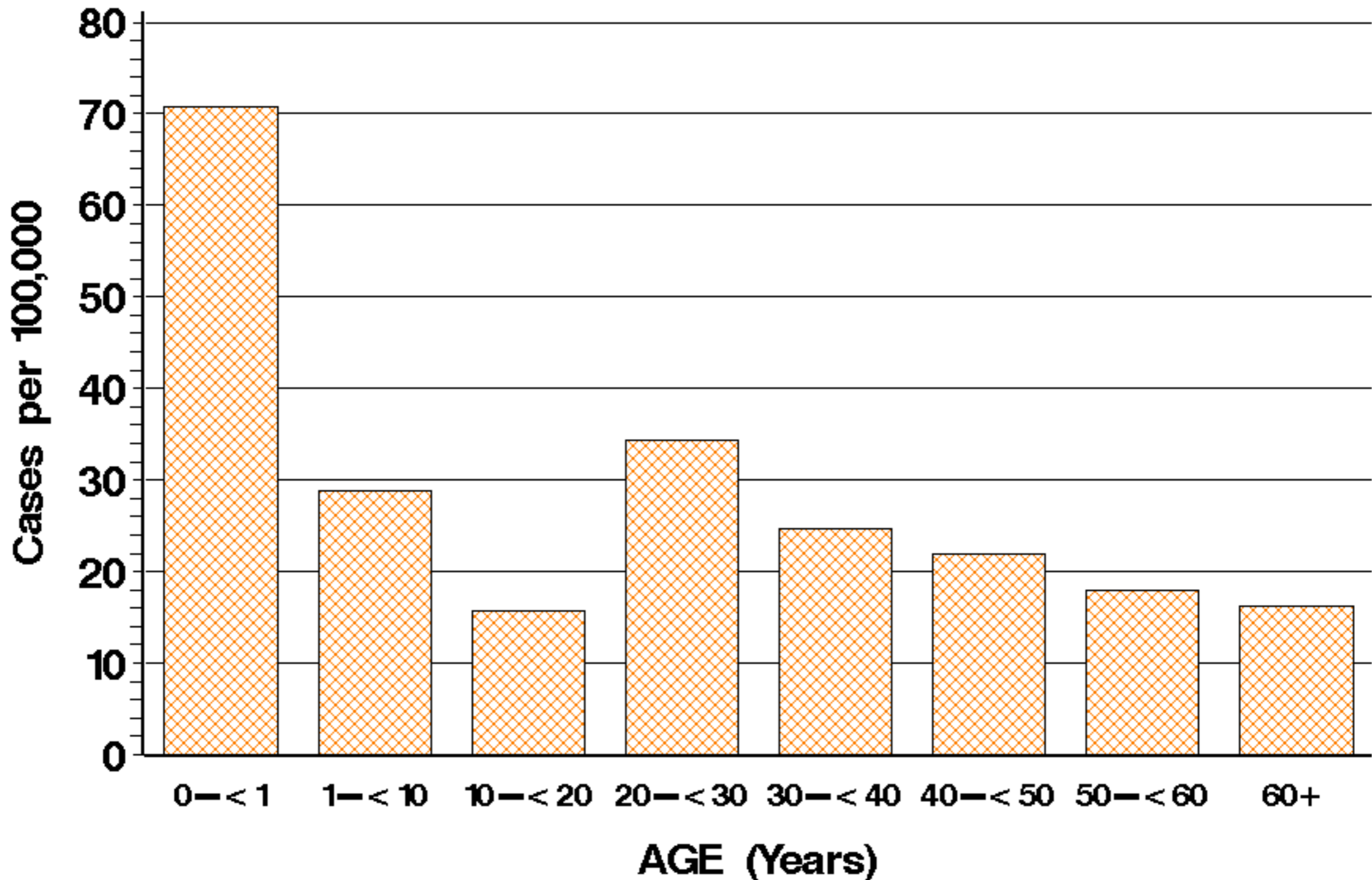
CDC's Emerging Infections Program

CDC/USDA/FDA Foodborne Diseases Active Surveillance Network (FoodNet)

Cases per 100,000 Postcensal Population Estimates Age Distribution by Pathogen for All Sites

FoodNet 1996 Final Report

Pathogen = **CAMPYLOBACTER**



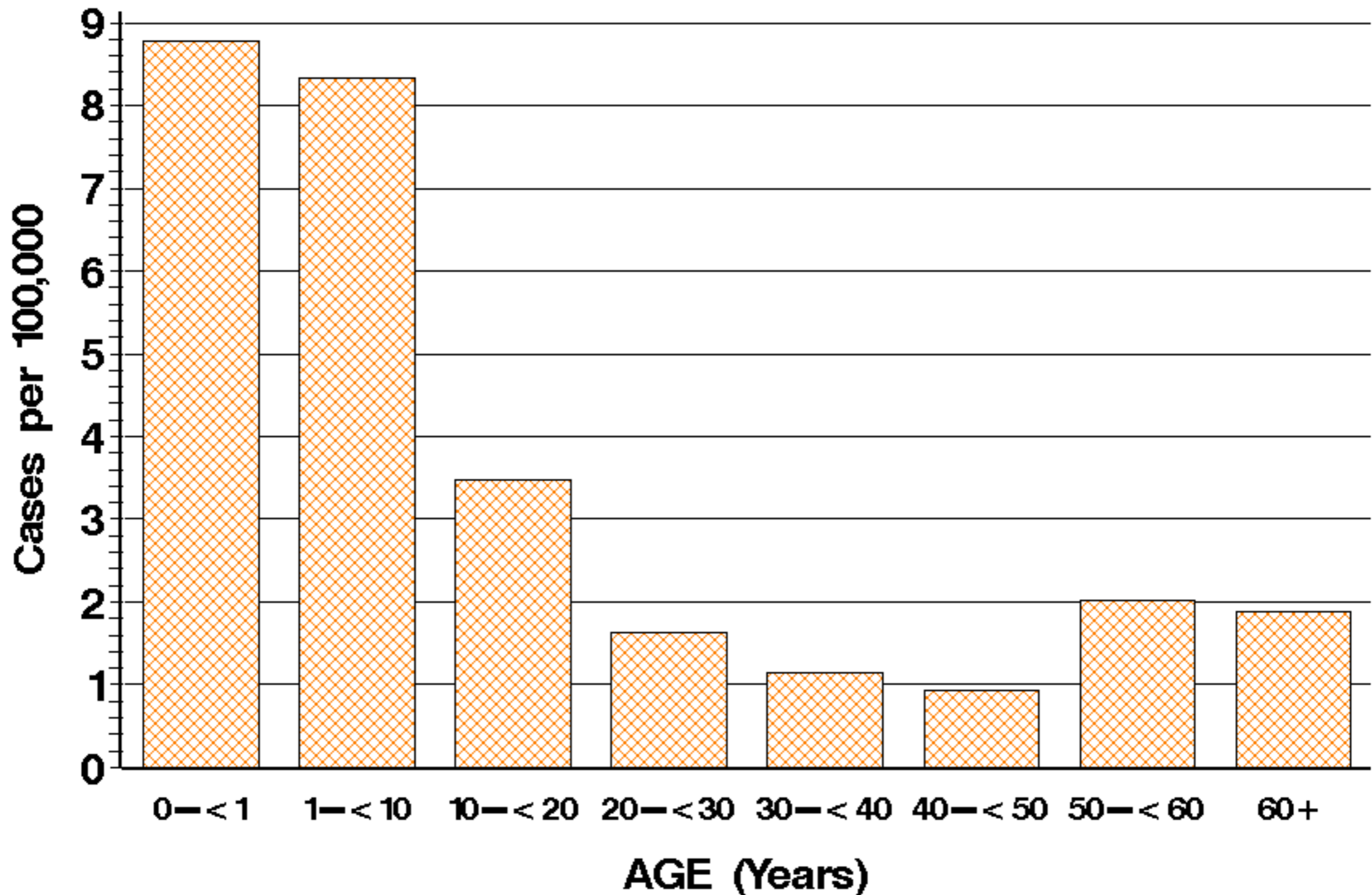
CDC's Emerging Infections Program

CDC/USDA/FDA Foodborne Diseases Active Surveillance Network (FoodNet)

Cases per 100,000 Postcensal Population Estimates Age Distribution by Pathogen for All Sites

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Pathogen = E. COLI O157



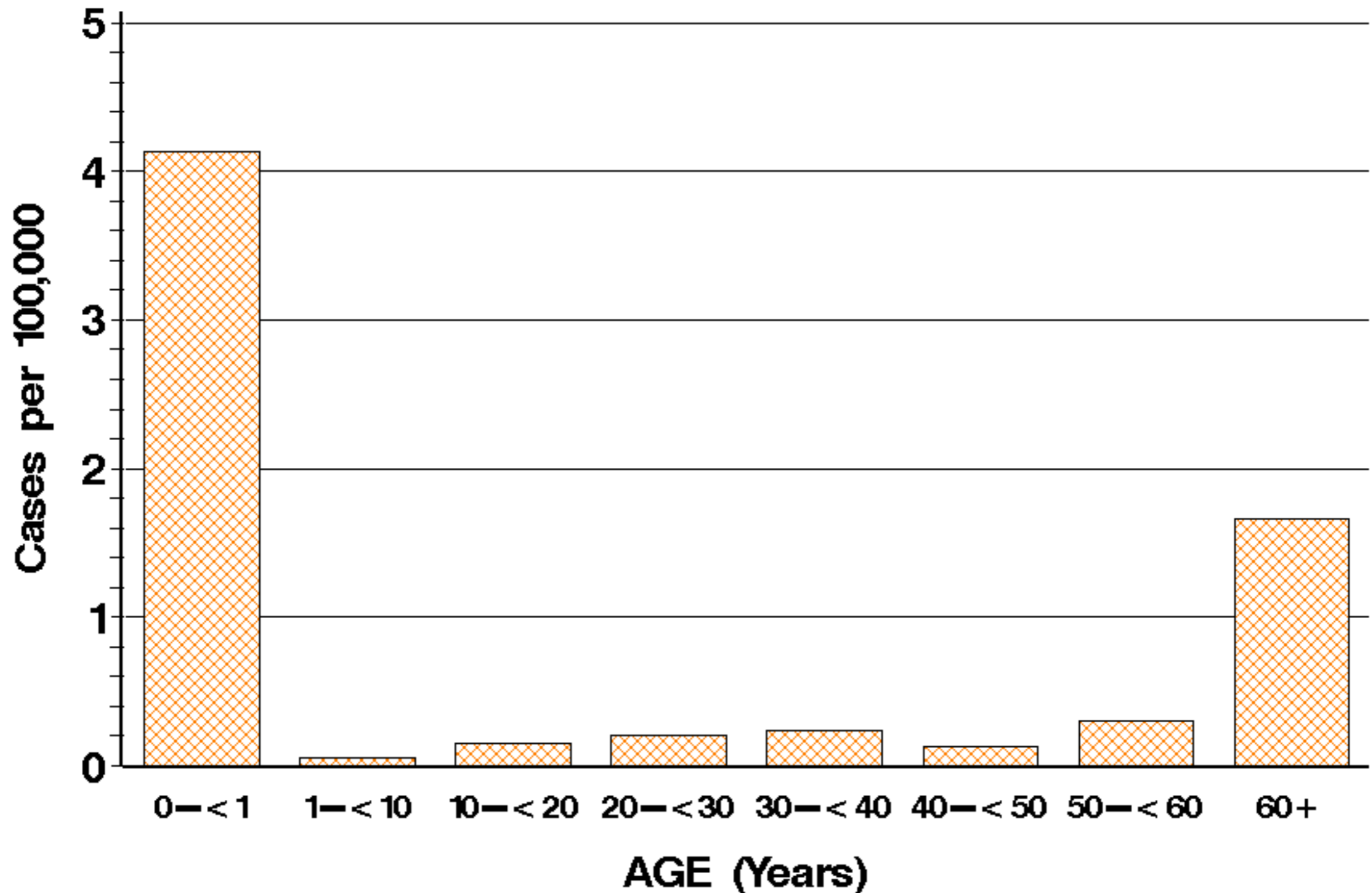
CDC's Emerging Infections Program

CDC/USDA/FDA Foodborne Diseases Active Surveillance Network (FoodNet)

Cases per 100,000 Postcensal Population Estimates Age Distribution by Pathogen for All Sites

FoodNet 1996 Final Report

Pathogen = LISTERIA



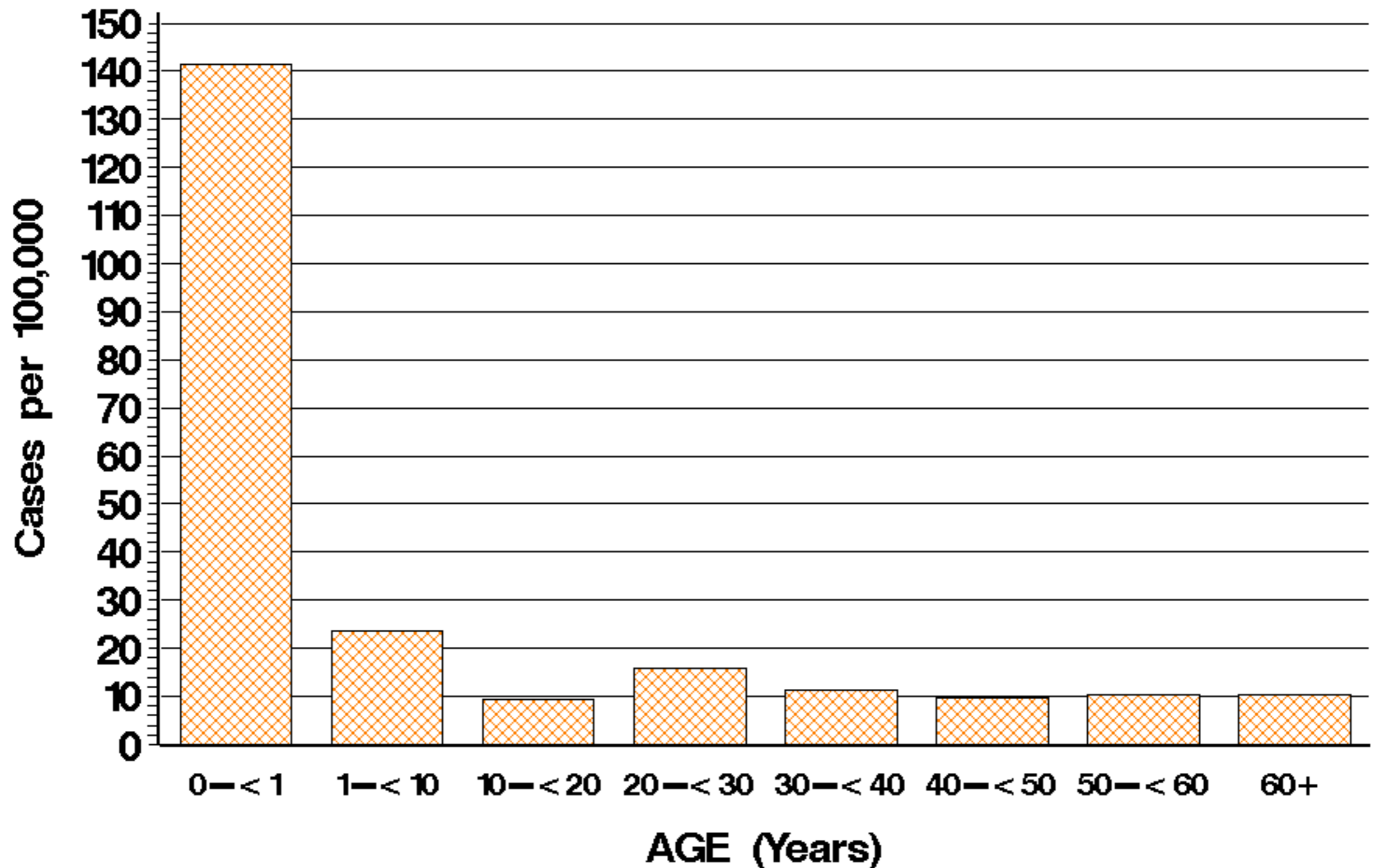
CDC's Emerging Infections Program

CDC/USDA/FDA Foodborne Diseases Active Surveillance Network (FoodNet)

Cases per 100,000 Postcensal Population Estimates Age Distribution by Pathogen for All Sites

FoodNet 1996 Final Report

Pathogen = SALMONELLA



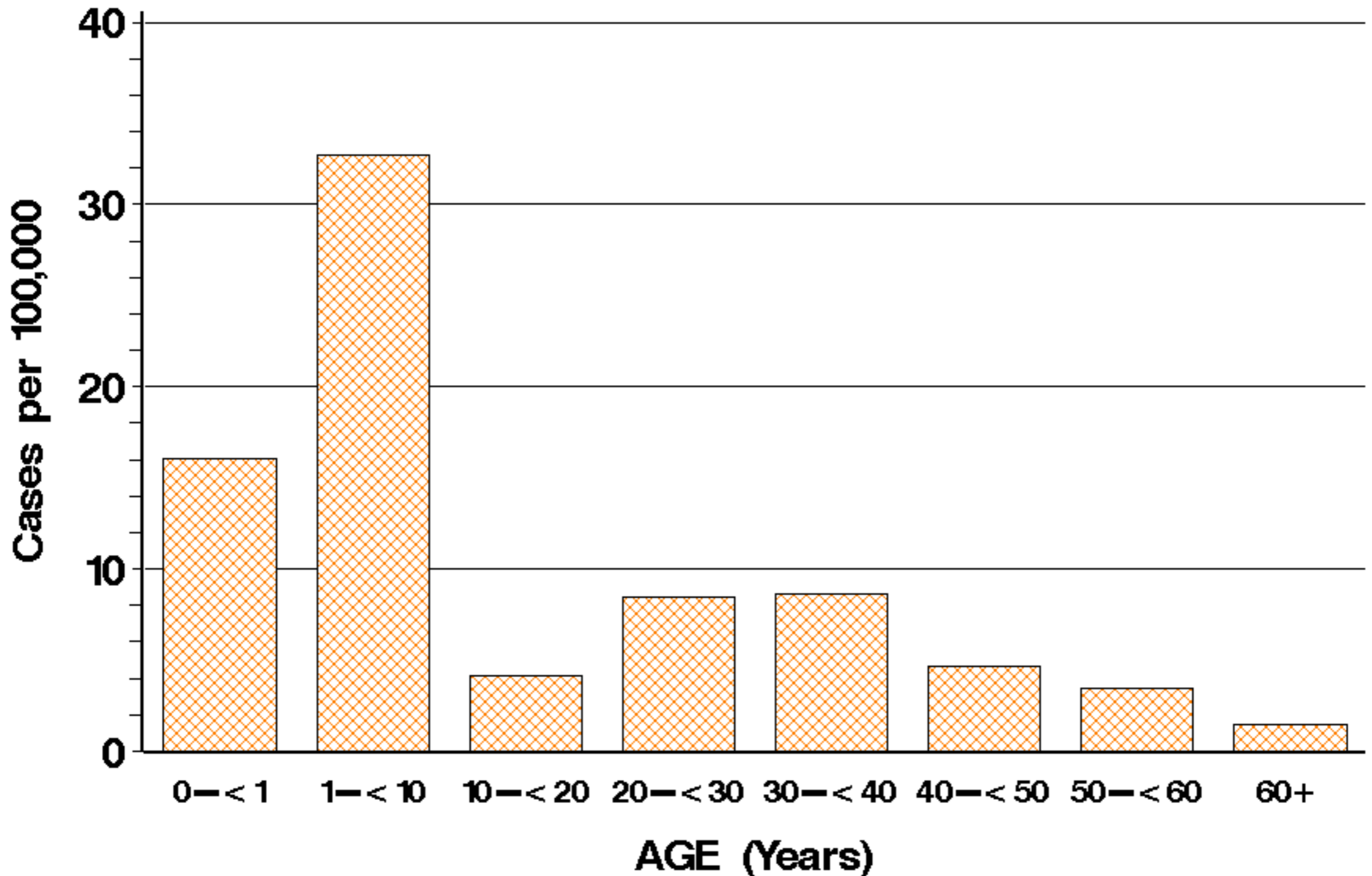
CDC's Emerging Infections Program

CDC/USDA/FDA Foodborne Diseases Active Surveillance Network (FoodNet)

Cases per 100,000 Postcensal Population Estimates Age Distribution by Pathogen for All Sites

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Pathogen = SHIGELLA



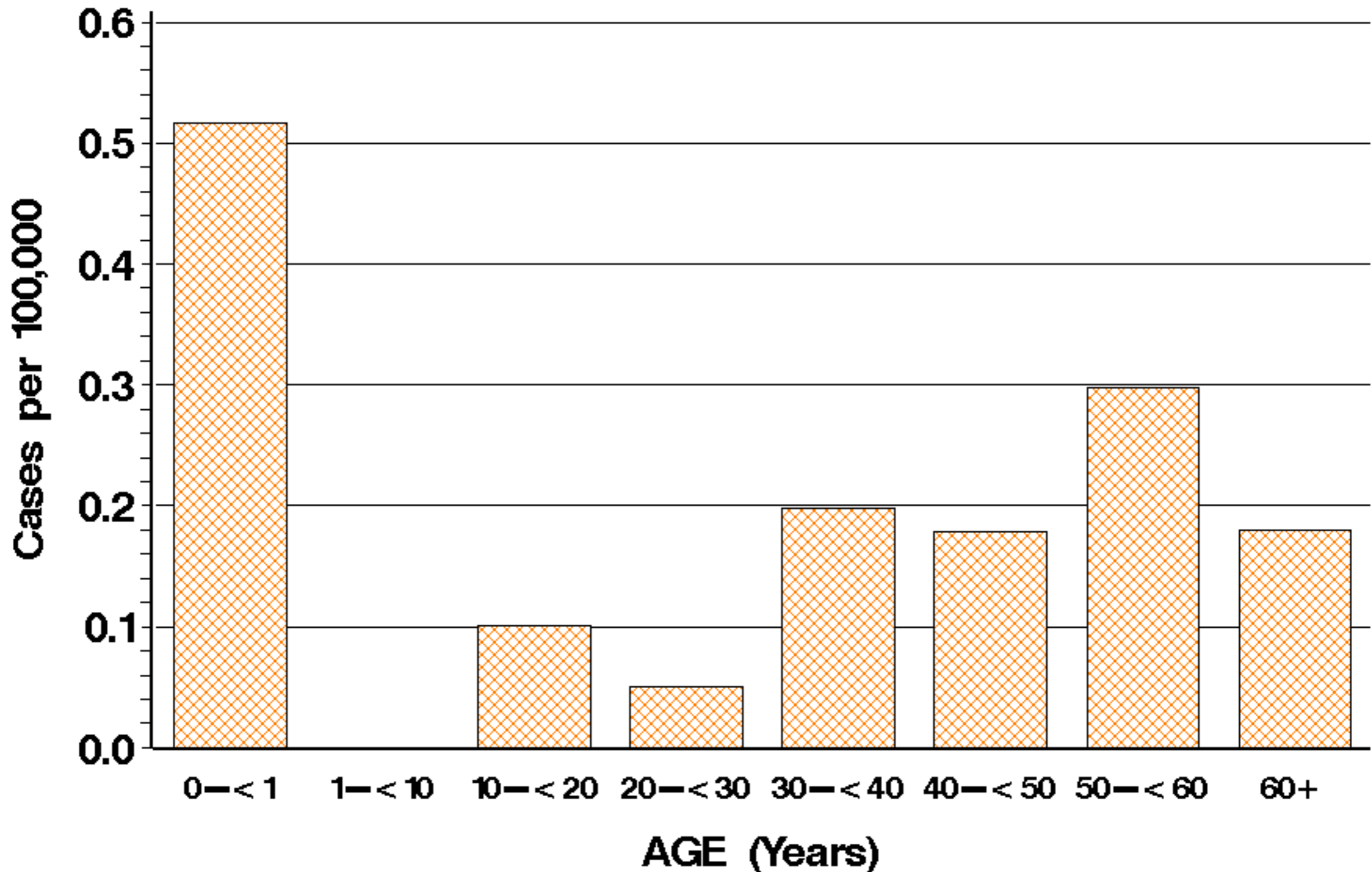
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Cases per 100,000 Postcensal Population Estimates Age Distribution by Pathogen for All Sites

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Pathogen = VIBRIO



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Cases per 100,000 Postcensal Population Estimates Age Distribution by Pathogen for All Sites

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Pathogen = YERSINIA

