CDC's Emerging Infections Program
CDC/USDA/FDA Foodborne Diseases Active Surveillance Network
Steering Committee Conference Call

Date: Thursday, June 14, 2007 (2:00-3:00pm ET)
Number: 1-866-793-9108; Passcode: 2074317

A. Administrative
   1. Funding

B. Project
   1. Novel pathogens project

C. Surveillance
   1. Sending carriers and duplicates
   2. Case definition – invasive versus first isolation

D. Working Groups and Special Studies
   1. Study recruitment tables
      a. Clinical outcomes
      b. Select *Salmonella* serotypes
      c. Cohort study
   2. STEC lab survey
   3. Genomics study

E. Proposals
   1. Trends in hospitalizations – Foodborne Diseases Active Surveillance Network, 1996 to 2004

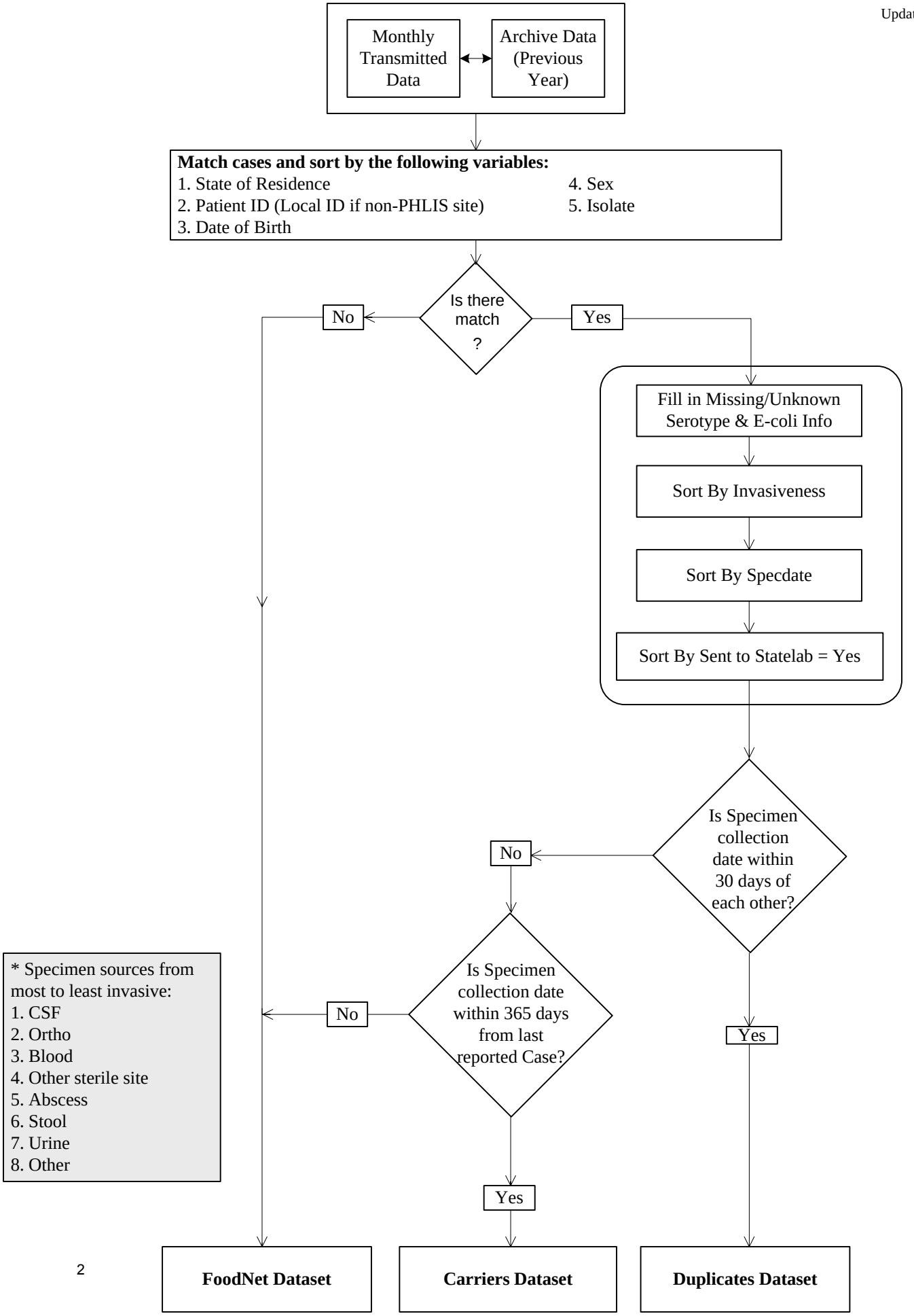
F. Surveillance data
   1. Active
   2. Outbreak
   3. HUS

G. Upcoming FoodNet conference calls, meetings, and deadlines

1.	Friday, June 15th	*E.coli* cohort study	12:00-1:00pm
2.	Thursday, June 21st	FoodNet coordinator	2:00-3:00pm
3.	Thursday, June 21st	Outbreak working group	3:00-4:00pm
4.	Tuesday, June 26th	Interventions working group	2:00-3:00pm
5.	Wednesday, June 27th	Selected *Salmonella* serotypes study	3:00-4:00pm
6.	Thursday, June 28th	Antibiotic resistance working group	1:00-2:00pm
7.	Thursday, July 5th	Attributions working group	11:00-12:00pm
8.	Thursday, July 12th	STEC/HUS working group	12:00-1:00pm

Appendix I: FoodNet Application Coding Scheme for Duplicates and Carriers, 2007

Updated 22 Feb 07



update 3-30-2006

FoodNet Site

	CA	CO	CT	GA (MSA)	GA (GOA)	MD	MN	NM	NY	OR	TN
1996	dups & carriers	-	dups & carriers	dups & carriers	-	-	dups & carriers	-	-	dups & carriers	-
1997	dups & carriers	-	dups & carriers	dups & carriers	-	-	dups & carriers	-	-	dups & carriers	-
1998	dups & carriers	-	dups & carriers	dups & carriers	-	-	dups & carriers	-	-	dups & carriers	-
1999	dups & carriers	-	dups & carriers	dups & carriers	dups & carriers	dups & carriers	dups & carriers	-	dups & carriers	dups & carriers	-
2000	dups & carriers	-	dups & carriers	dups & carriers	dups & carriers	dups & carriers	dups & carriers	-	dups & carriers	dups & carriers	dups & carriers
2001	dups & carriers	dups & carriers	dups & carriers	dups & carriers	dups & carriers	dups & carriers	dups & carriers	-	dups & carriers	dups & carriers	dups & carriers
2002	dups & carriers	only cases	dups & carriers	dups & carriers	dups & carriers	dups & carriers	dups & carriers	-	carrier? (line list)	only cases	dups & carriers
2003	dups & carriers	only cases	dups & carriers	dups & carriers	dups & carriers	only cases	dups & carriers	-	carrier? (line list)	only cases	dups & carriers
2004	dups & carriers	only cases	dups & carriers	dups & carriers	carrier?	only cases	dups & carriers	dups & carriers (caseco variable)	dups & carriers (caseco variable)	only cases	dups & carriers
2005	dups & carriers	only cases	dups & carriers	dups & carriers	carrier?	only cases	dups & carriers	dups & carriers (caseco variable)	dups & carriers (caseco variable)	only cases	dups
2006	carriers	only cases	carriers	dups & carriers	carriers	only cases	carriers	cases only	carriers	only cases	dups
Comments				sends entire database				separate database for carriers and duplicates	try not to send dups		had to remove carriers because of pat_id format change in swtich to NEDSS

Definitions

- Isolation
  - Referring to a single isolation of a FoodNet pathogen
  - May or may not be a FoodNet case
  - Could be a duplicate or carrier record
- FoodNet case
  - Referring to a FoodNet case or instance of laboratory-confirmed infection
  - Not referring to a patient

Current Surveillance

- Most sites send all instances of isolation of any FoodNet pathogen
- CDC FoodNet applies algorithm to identify duplicates, carriers, and cases per case definition
- CDC selects most invasive isolation per case definition
- CDC fills in serotype information for most invasive isolation

Surveillance Proposal

- Sites would identify their own duplicates and carriers per case definition
- Sites would select the most invasive isolation per case definition and fill in serotype information where necessary
- Sites would only send instances of FoodNet cases
- CDC would continue to run algorithm to catch any duplicates or carriers that sites do not remove

Impact

- Sites would be responsible for identifying their own duplicates, carriers, and cases per FoodNet case definitions
- Sites would need to identify the record with the most invasive specimen source
- Sites would need to fill in some serotype information
- Possibility of less standardization for treatment of case definitions
- Impact on data?

Data 2004-2007
Includes cases, carriers, duplicates from CA, CT, GA, & MN

- **28,743** cases total
- **661 (2%)** cases had a matching carrier and/or duplicate

State	Count
CA	129
CT	153
GA	232
MN	147

- **269 (40%)** of these cases had different specimen sources than that of their matching carrier and/or duplicate

- Of these, **45 (17%)** instances were identified where the case with the most invasive specimen source was not the first isolation

Pathogen	Count
Campylobacter	2
Listeria	1
Salmonella	40
Shigella	1
Yersinia	1

Year	Count
2004	13
2005	12
2006	14
2007	6

State	Count
CA	12
CT	13
GA	12
MN	8

- **Time between isolations:**
  - **27 (60%)** of these matching isolations occurred within one month of each other
    - **24 (53%)** of these matching isolations occurred within one week of each other
  - **8 (17%)** matching isolations occurred within 2 months
  - **4 (8%)** matching isolations occurred within 3 months
  - **6 (13%)** matching isolations occurred after 3 months

- Only two instances occurred in which the year changed due to keeping the most invasive isolation
  - 2004/2005 case of Salmonella Enteritidis in CA
  - 2006/2007 case of Salmonella Derby in MN

non-Typhi *Salmonella* Clinical Outcomes Cohort Study Status

2006

State	Sampling Scheme	Study Start Date	FoodNet Cases	Eligible	Interviewed (% of eligible)	Pending (% of eligible)	Refused (% of eligible)	Other Not Enrolled (% of eligible)
CA	1/10	1/1/2006	473	52	31 (60%)	0 (0%)	5 (10%)	16 (31%)
CO	1/4	1/1/2006	352	87	64 (74%)	0 (0%)	17 (20%)	6 (7%)
CT	1/4	1/1/2006	502	109	98 (90%)	0 (0%)	9 (8%)	2 (2%)
GA	1/20	3/15/2007	1545	76	4 (5%)	0 (0%)	2 (3%)	30 (39%)
MD	1/10	5/1/2006	618	68	50 (74%)	0 (0%)	5 (7%)	13 (19%)
MN	1/5	1/1/2006	720	142	114 (80%)	2 (1%)	13 (9%)	13 (9%)
NM	1/5	1/1/2006	258	45	27 (60%)	0 (0%)	5 (11%)	13 (29%)
NY	1/5	1/1/2006	492	96	57 (59%)	0 (0%)	14 (15%)	25 (26%)
OR	1/20	1/1/2006	397	25	20 (80%)	0 (0%)	3 (12%)	2 (8%)
TN	1/10	1/1/2006	785	76	65 (86%)	0 (0%)	4 (5%)	7 (9%)
		Total	6142	776	530 (68%)	2 (0%)	77 (10%)	127 (16%)

2007

State	Sampling Scheme	Study Start Date	FoodNet Cases	Eligible	Interviewed (% of eligible)	Pending (% of eligible)	Refused (% of eligible)	Other Not Enrolled (% of eligible)
CA	1/10	1/1/2006	103	16	4 (25%)	5 (31%)	3 (19%)	4 (25%)
CO	1/10	1/1/2006	107	8	5 (63%)	2 (25%)	1 (13%)	0 (0%)
CT	1/20	1/1/2006	98	5	4 (80%)	0 (0%)	0 (0%)	1 (20%)
GA	1/20	3/15/2006	355	46	28 (61%)	6 (13%)	4 (9%)	8 (17%)
MD	1/10	5/1/2006	109	16	9 (56%)	3 (19%)	1 (6%)	3 (19%)
MN*	1/20	1/1/2006	216	8	2 (25%)	2 (25%)	1 (13%)	3 (38%)
NM	1/5	1/1/2006	56	14	6 (43%)	4 (29%)	1 (7%)	3 (21%)
NY	1/5	1/1/2006	167	27	11 (41%)	9 (33%)	4 (15%)	3 (11%)
OR	1/10	1/1/2006	86	12	7 (58%)	0 (0%)	3 (25%)	2 (17%)
TN	1/10	1/1/2006	83	21	15 (71%)	3 (14%)	0 (0%)	3 (14%)
		Total	1380	173	91 (53%)	34 (20%)	18 (10%)	30 (17%)

Updated 5/26/07

*MN counts have not been updated.

Enrollment Status for Selected *Salmonella* Serotypes Study, as of May 30, 2007

	S. Javiana	*S.* Infantis	*S.* I 4,[5],12:i:-	Total	Interviewed	Pending	Refused	Other Not Enrolled
	# Eligible				# (% of Eligible)			
CA	0	2	4	6	3 (50)	1 (17)	0	2 (3)
CO	3	2	0	5	2 (40)	1 (20)	0	2 (40)
CT	1	1	4	6	5 (83)	0	0	1 (17)
GA	17	5	15	37	16 (43)	5 (15)	3 (8)	13 (35)
MD	1	0	10	11	4 (36)	0	0	7 (64)
MN	0	5	8	13	7 (54)	2 (15)	0	4 (31)
NM	3	1	3	7	2 (29)	2 (29)	0	3 (43)
NY	0	1	6	7	1 (14)	1 (14)	0	5 (71)
OR	1	1	7	9	3 (33)	2 (22)	3 (33)	1 (11)
TN	1	0	16	17	11 (65)	0	3 (18)	3 (18)
Total (Cases)	27	18	73	118	54 (46)	14 (12)	9 (8)	41 (35)
Controls	-	-	-	-	426	-	-	-

Enrollment Status for Validation Sub-Studies for Selected *Salmonella* Serotypes Study, as of May 30, 2007

	Selection Bias Sub-Study		Misclassification Bias Sub-Study	
	Eligible	Completed Questionnaires Received (% of eligible)	Eligible	Completed Questionnaires Received (% of eligible)
CA	1	0	0	0
CO	1	0	0	0
CT	0	0	0	0
GA	4	2	0	0
MD	0	0	2	0
MN	0	0	0	0
NM	1	0	0	0
NY	0	0	0	0
OR	2	1	0	0
TN	4	1	1	0
Total (Cases)	13	4 (31)	3	0
Controls	319 (with known addresses)	26 (8)	16	5 (31)

E. *coli* O157 Cohort Study Status

State	Study Start Date	FoodNet Cases	Eligible	Interviewed (% of eligible)	Pending (% of eligible)	Refused (% of eligible)	Other Not Enrolled (% of eligible)
CA	3/1/2006	47	53	38 (72%)	2 (4%)	4 (8%)	9 (17%)
CO	2/1/2006	38	39	28 (72%)	0 (0%)	7 (18%)	4 (10%)
CT	6/1/2006	42	43	29 (67%)	0 (0%)	11 (26%)	3 (7%)
GA	1/22/2007	48	6	3 (50%)	0 (0%)	1 (17%)	2 (33%)
MD	5/1/2006	38	40	23 (58%)	0 (0%)	7 (18%)	10 (25%)
MN	3/1/2006	164	168	102 (61%)	6 (4%)	20 (12%)	40 (24%)
NM	6/1/2006	21	20	10 (50%)	1 (5%)	3 (15%)	6 (30%)
NY	3/1/2006	58	59	26 (44%)	1 (2%)	20 (34%)	12 (20%)
OR	3/1/2006	85	88	74 (84%)	0 (0%)	5 (6%)	9 (10%)
TN	1/1/2006	89	94	61 (65%)	1 (1%)	4 (4%)	28 (30%)
	Total	630	610	394 (65%)	11 (2%)	82 (13%)	123 (20%)

Updated 6/06/07

E Coli Cohort Study: Isolate Profiles

	STX1	STX2	# of isolates	HUS cases	% HUS
	+	-	3	1	33.3%
	+	+	127	6	4.7%
	-	-	3	0	0.0%
	-	+	163	13	8.0%
Totals:			**296**	**20**	**6.8%**

Title: Trends in hospitalizations – Foodborne Diseases Active Surveillance Network, 1996 to 2004

Submitted by: Laura Moyer, Olga Henao

Research Question/Interest:

We propose to compare FoodNet trends with the national datasets, the Nationwide Inpatient Sample and the National Hospital Discharge Survey. We will examine hospitalizations in each of the three datasets for *Campylobacter*, *Listeria*, and *Salmonella* by sex, age, geographic area and year and then compare the hospitalization data to reported FoodNet trends. This analysis may validate FoodNet as a representative sample of the United States population and support pathogen trends seen in FoodNet sites from the 1996-1998 baseline to 2004.

Pathogen(s): *Campylobacter*, *Listeria*, *Salmonella*

Publication Timeline:

Analysis/writing summer 2007,
CDC clearance fall 2007,
Publication Nov/Dec 2007

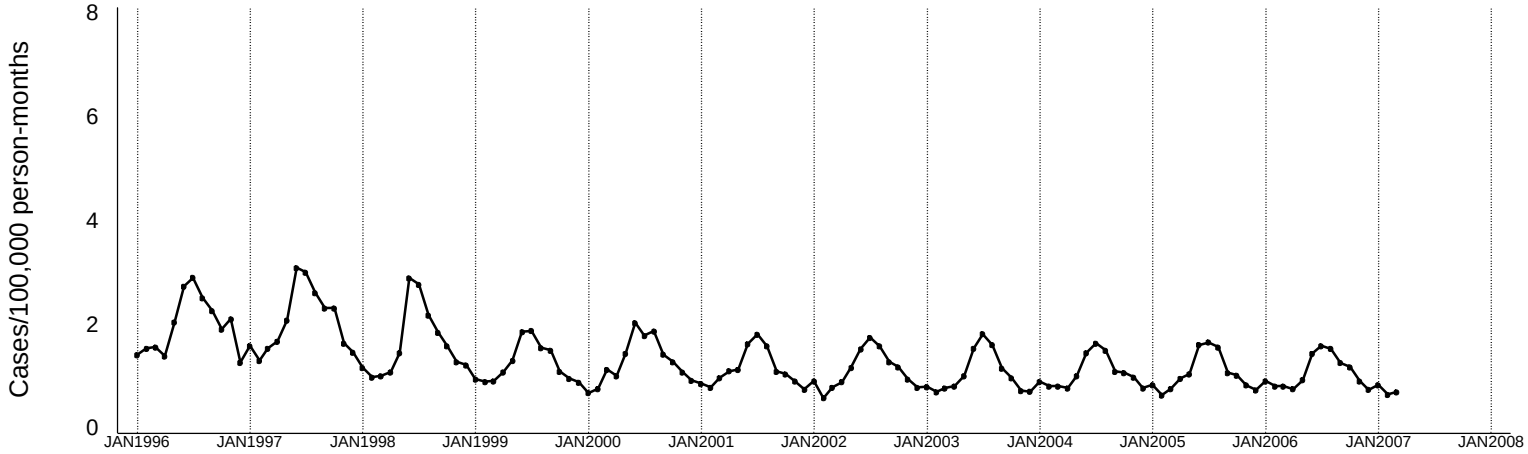
Proposed Publication: Foodborne Pathogens and Disease/Clinical Infectious Diseases

FoodNet Data through March
(data transmitted 5/18/2007)

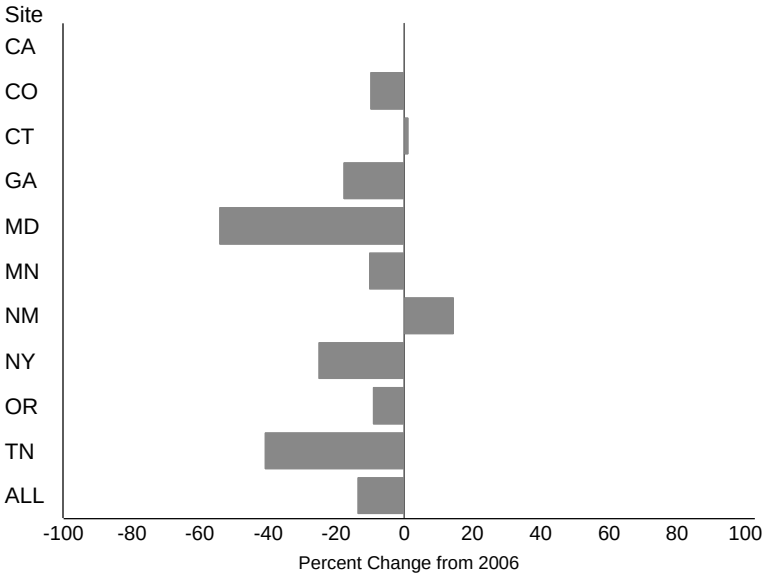
Pathogen	2006		2007		2007 vs 2006	5 year Mean	
	count	rate	count	rate	p-value	count	Rate
Campylobacter	1134	2.52	980	2.18	0.0008	1031	2.36
Listeria	29	0.06	18	0.04		22	0.05
***Salmonella* , all serotypes**	927	2.06	1061	2.36	0.0027	942	2.17
***S. T* yphimurium**	179	0.40	161	0.36		207	0.48
***S.* Enteritidis**	165	0.37	184	0.41		168	0.39
S. Newport	50	0.11	50	0.11		60	0.14
***S.* Heidelberg**	41	0.09	48	0.11		50	0.12
***S.* Javiana**	18	0.04	17	0.04		20	0.04
***Salmonella* , all others**	474	1.05	691	1.54	0.0000	437	1.00
***Shigella* , all species**	395	0.88	415	0.92		540	1.25
Shigella sonnei	277	0.62	306	0.68		414	0.96
Shigella flexneri	85	0.19	73	0.16		90	0.21
***Shigella* , all others**	33	0.07	36	0.08		36	0.08
STEC O157	62	0.14	47	0.10		44	0.10
STEC non-O157	34	0.08	16	0.04	0.0110	15	0.03
***Vibrio* , all species**	9	0.02	5	0.01		9	0.02
Vibrio parahaemolyticus	2	0.00	4	0.01		2	0.01
Vibrio vulnificus	0	0.00	0	0.00		0	0.00
***Vibrio* , all others**	7	0.02	1	0.00	0.0391	6	0.02
Yersinia	48	0.11	50	0.11		44	0.10
Cryptosporidium	151	0.34	116	0.26	0.0000	105	0.24
Cyclospora	0	0.00	1	0.00		3	0.01

Campylobacter

Incidence rate of culture-confirmed infections, FoodNet sites, January 1996-March 2007



Calendar year through March: Percent change in rates between 2006 and 2007 by site



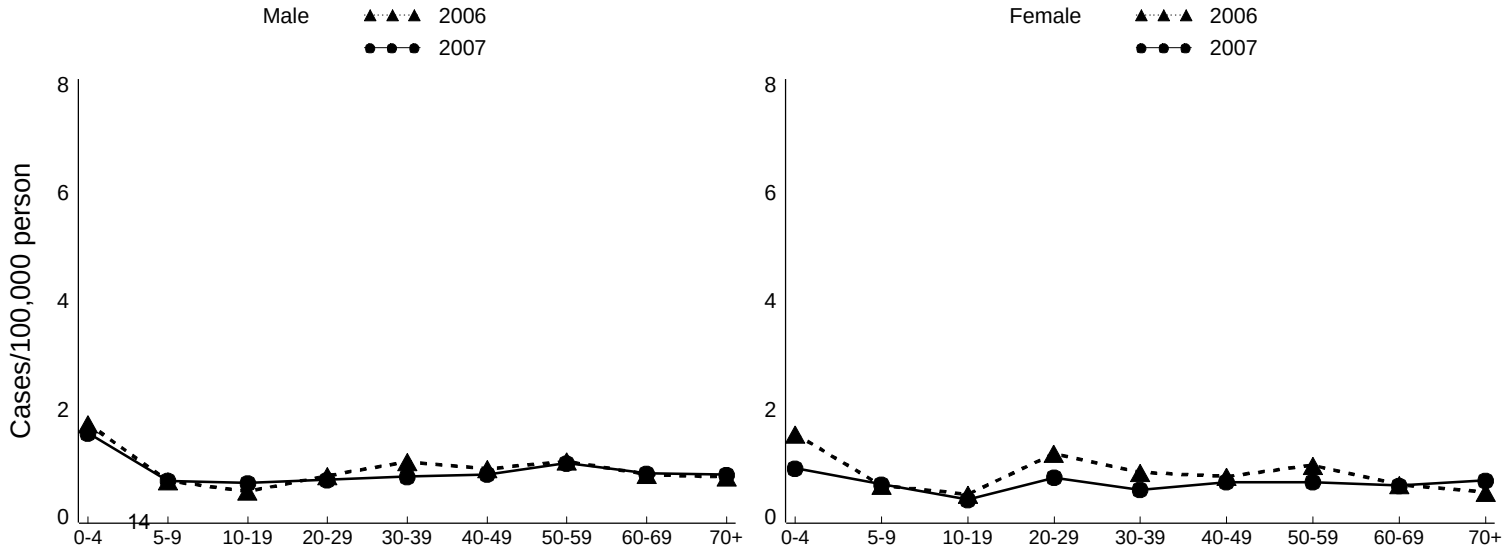
* Change exceeds 100%, +Percent increase cannot be calculated because 2006 rate is 0

	2007		2006		5 year mean*	
Site	**Cases**	**Rate^**	**Cases**	**Rate^**	**Cases**	**Rate^**
CA	205	6.394	205	6.394	211	6.584
CO	82	3.170	91	3.518	78	3.044
CT	90	2.564	89	2.535	95	2.707
GA	112	1.234	136	1.499	116	1.305
MD	33	0.589	72	1.286	63	1.129
MN	157	3.059	175	3.409	150	2.943
NM	48	2.489	42	2.178	50	2.606
NY	75	1.741	100	2.321	84	2.076
OR	130	3.570	143	3.927	118	3.296
TN	48	0.805	81	1.358	67	1.236
ALL	980	2.180	1134	2.523	1031	2.356

*year 2002-2006 except for NM (2004-2006)

^cases/100,000 person

Calendar year through March: Rates for 2006 and 2007 by age group and sex

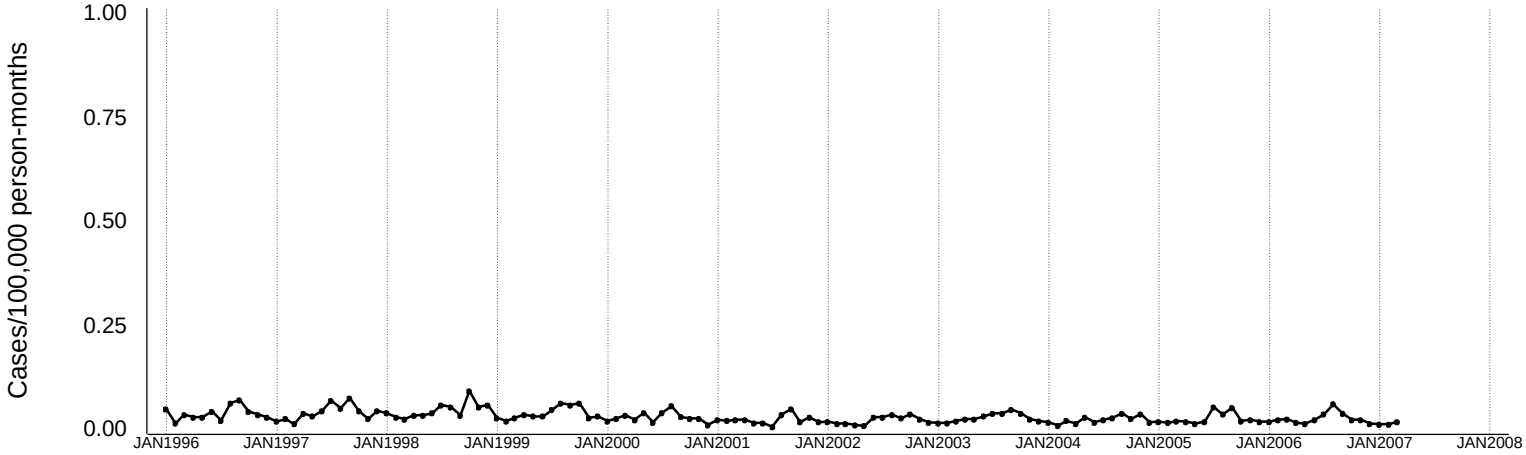


Data source: Preliminary FoodNet data, subject to change, not for public distribution.

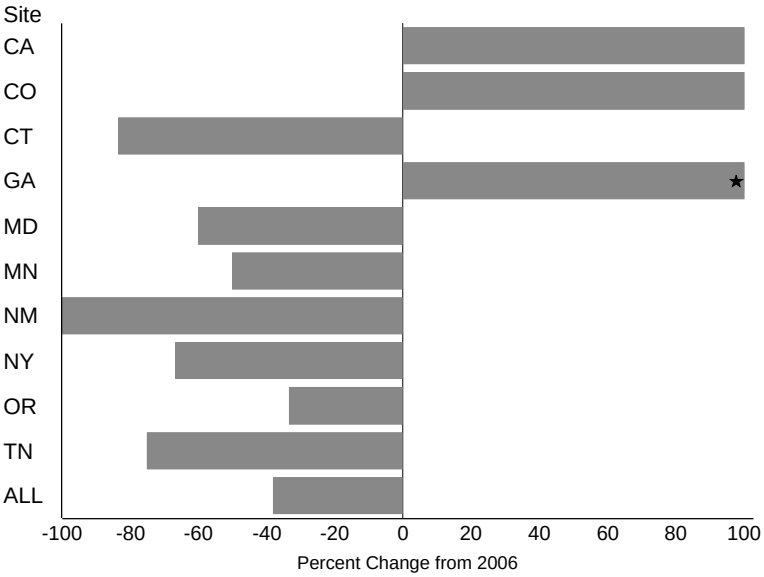
Report date: 01-June-2007

Listeria

Incidence rate of culture-confirmed infections, FoodNet sites, January 1996-March 2007



Calendar year through March: Percent change in rates between 2006 and 2007 by site

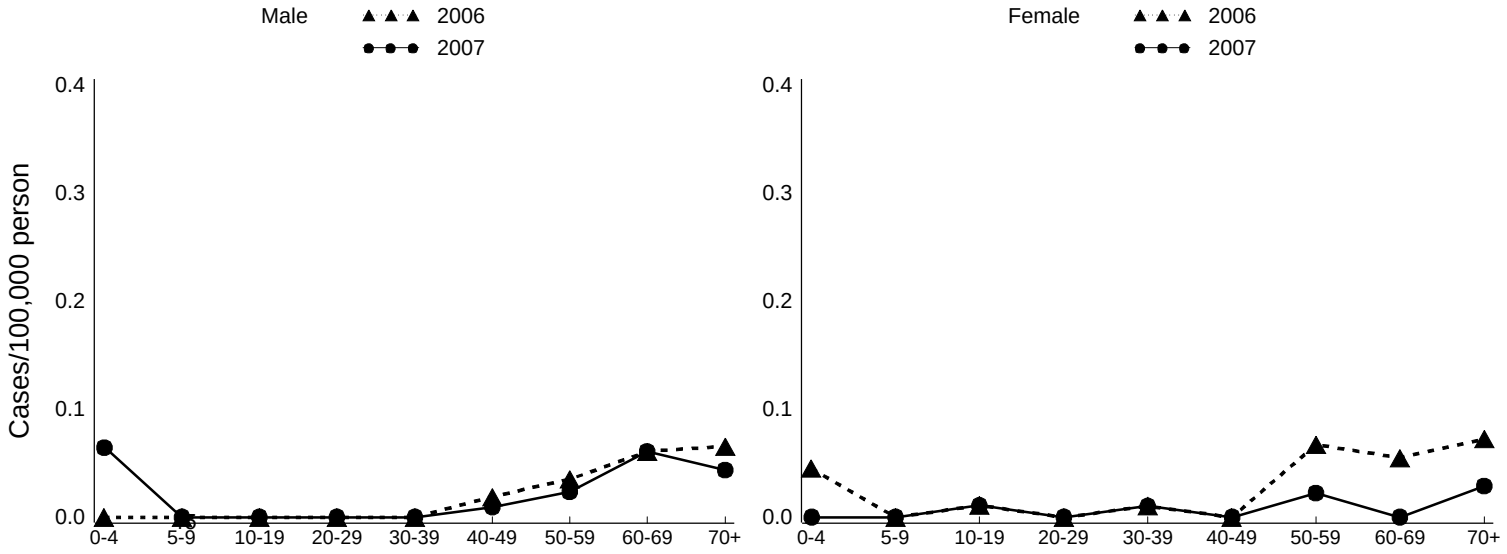


* Change exceeds 100%, +Percent increase cannot be calculated because 2006 rate is 0

	2007		2006		5 year mean*	
Site	Cases	Rate^	Cases	Rate^	Cases	Rate^
CA	2	0.062	1	0.031	2	0.056
CO	2	0.077	1	0.039	1	0.024
CT	1	0.028	6	0.171	3	0.074
GA	6	0.066	2	0.022	4	0.047
MD	2	0.036	5	0.089	3	0.061
MN	1	0.019	2	0.039	1	0.027
NM	0	0.000	2	0.104	1	0.035
NY	1	0.023	3	0.070	3	0.076
OR	2	0.055	3	0.082	2	0.056
TN	1	0.017	4	0.067	3	0.047
ALL	18	0.040	29	0.065	22	0.051

*year 2002-2006 except for NM (2004-2006)
^cases/100,000 person

Calendar year through March: Rates for 2006 and 2007 by age group and sex



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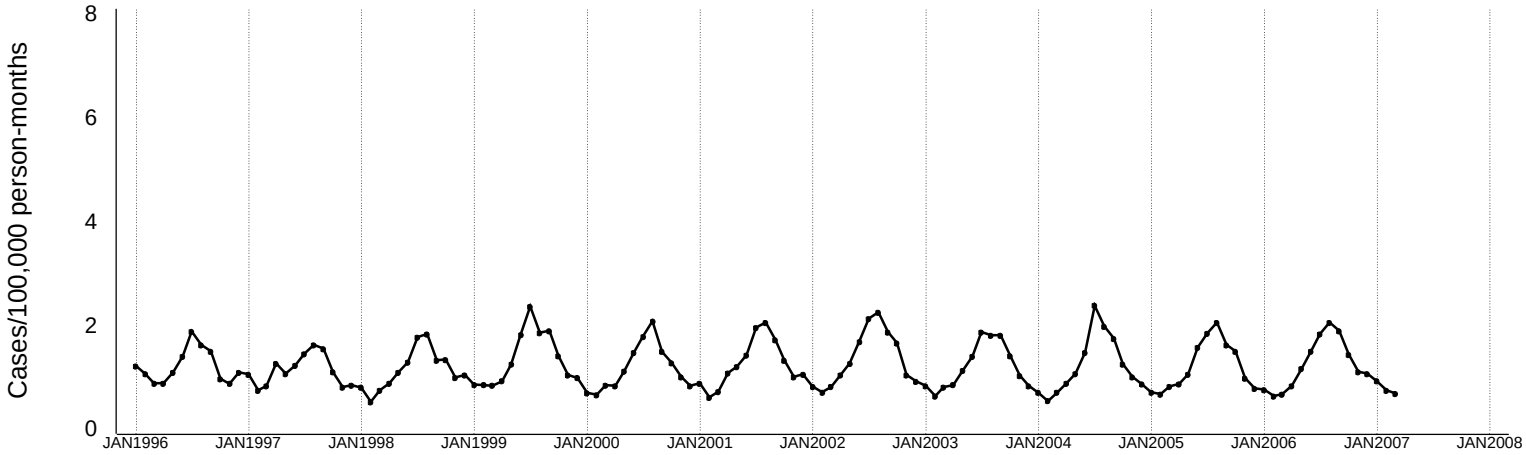
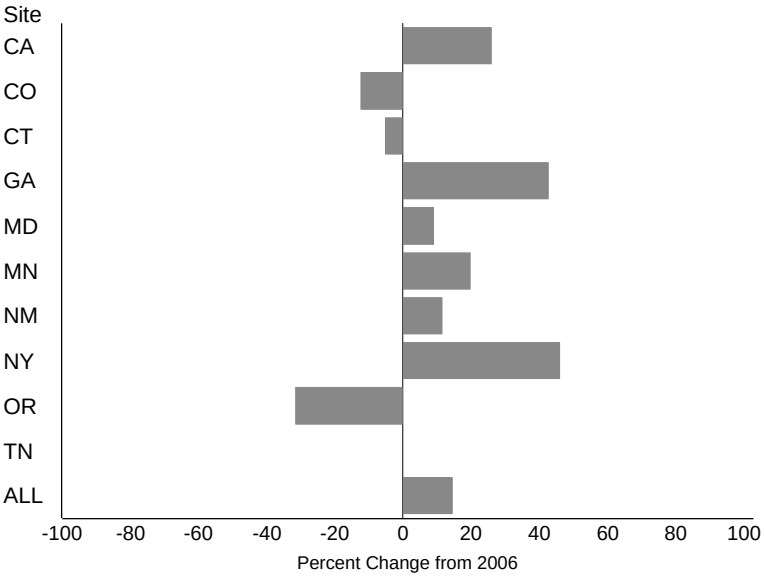
Salmonella, all serotypes

Incidence rate of culture-confirmed infections, FoodNet sites, January 1996-March 2007



Calendar year through March: Percent change in rates between 2006 and 2007 by site

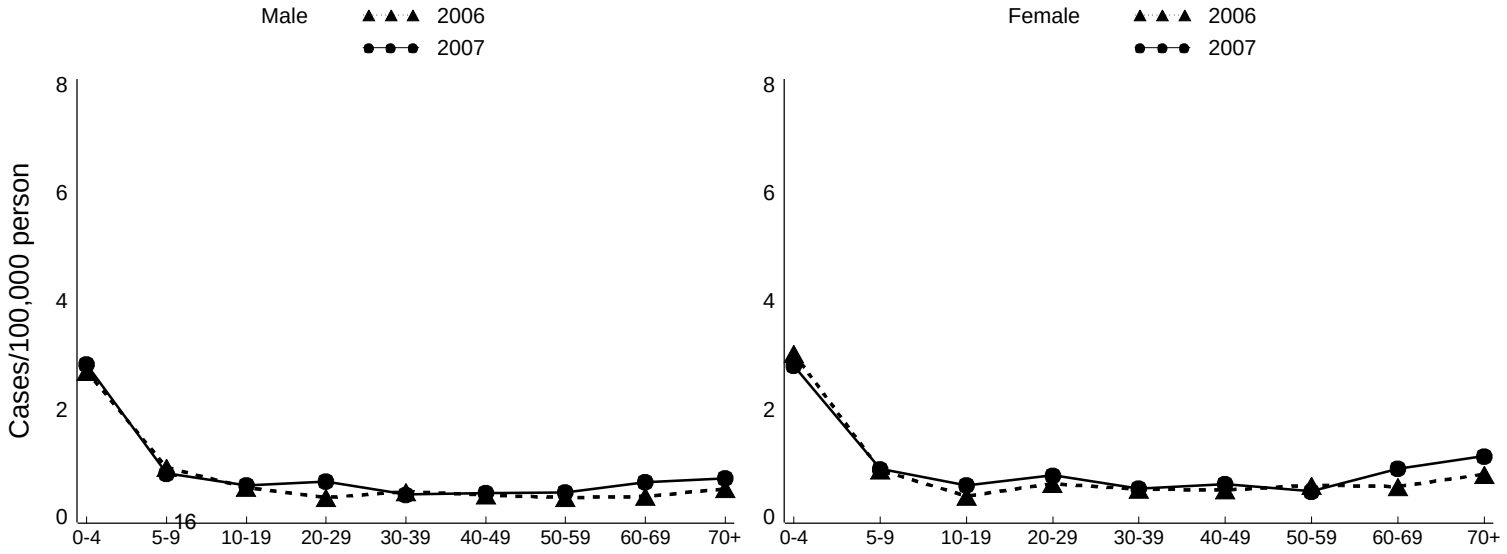


	2007		2006		5 year mean*	
Site	**Cases**	**Rate^**	**Cases**	**Rate^**	**Cases**	**Rate^**
CA	83	2.59	66	2.06	91	2.83
CO	64	2.47	73	2.82	56	2.21
CT	73	2.08	77	2.19	74	2.12
GA	295	3.25	207	2.28	201	2.27
MD	109	1.95	100	1.79	119	2.14
MN	128	2.49	107	2.08	106	2.08
NM	49	2.54	44	2.28	40	2.07
NY	108	2.51	74	1.72	73	1.83
OR	59	1.62	86	2.36	75	2.10
TN	93	1.56	93	1.56	107	2.04
ALL	1061	2.36	927	2.06	942	2.17

*year 2002-2006 except for NM (2004-2006)
^cases/100,000 person

* Change exceeds 100%, +Percent increase cannot be calculated because 2006 rate is 0

Calendar year through March: Rates for 2006 and 2007 by age group and sex



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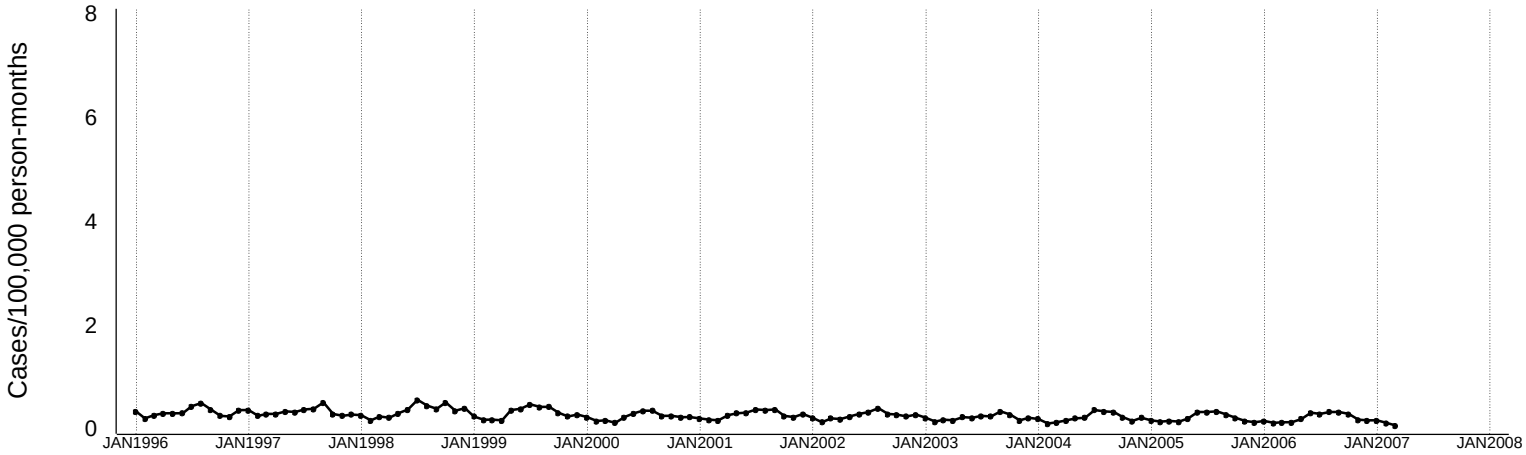
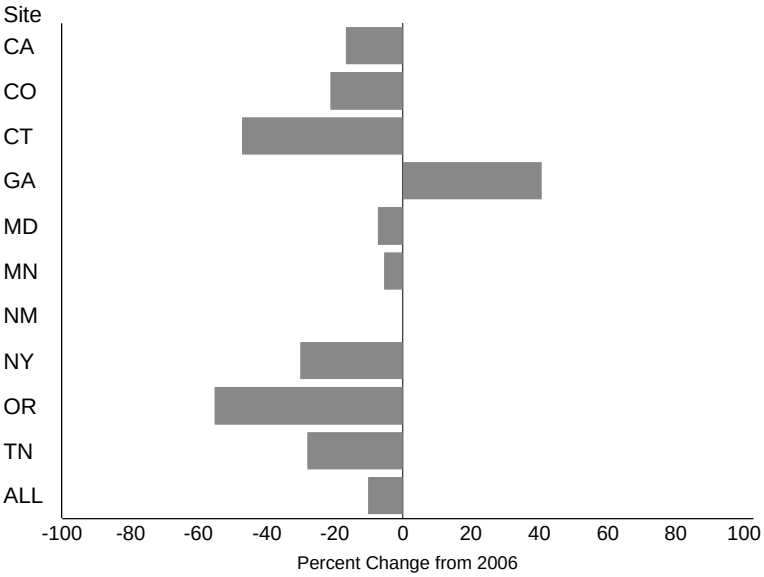
Salmonella Typhimurium

Incidence rate of culture-confirmed infections, FoodNet sites, January 1996-March 2007



Calendar year through March: Percent change in rates between 2006 and 2007 by site

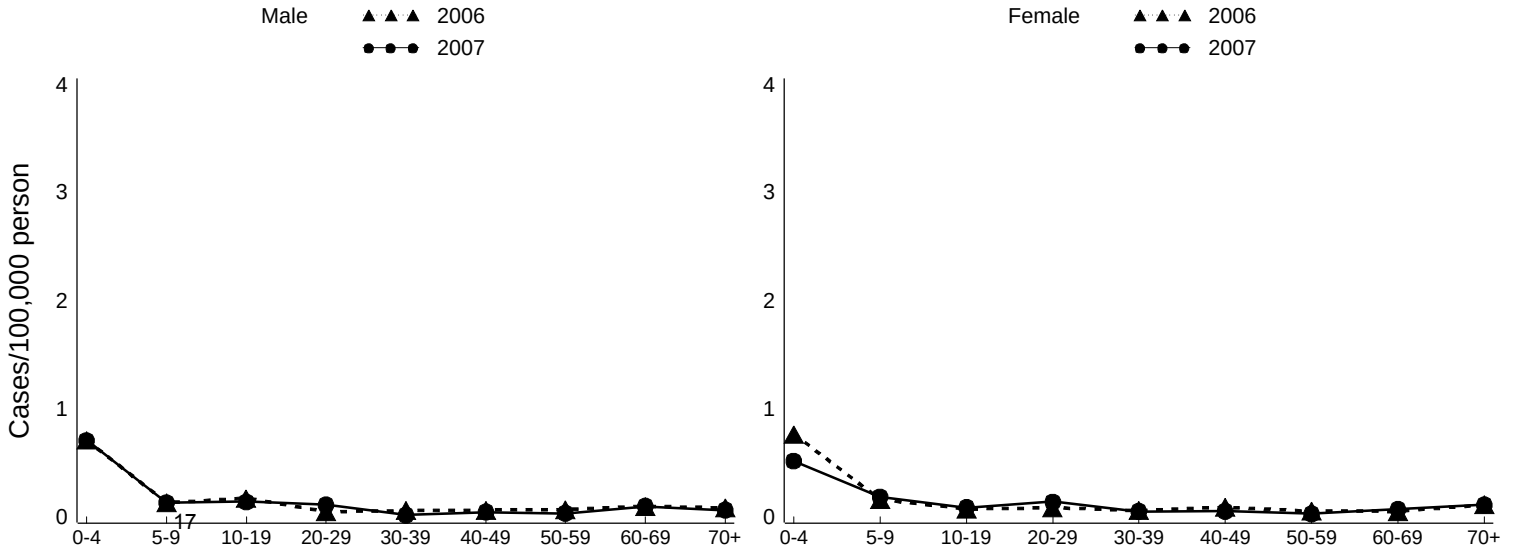


* Change exceeds 100%, +Percent increase cannot be calculated because 2006 rate is 0

	2007		2006		5 year mean*	
Site	Cases	Rate^	Cases	Rate^	Cases	Rate^
CA	10	0.31	12	0.37	19	0.59
CO	15	0.58	19	0.73	13	0.52
CT	9	0.26	17	0.48	16	0.45
GA	59	0.65	42	0.46	48	0.54
MD	13	0.23	14	0.25	22	0.40
MN	18	0.35	19	0.37	22	0.43
NM	8	0.41	8	0.41	7	0.38
NY	7	0.16	10	0.23	13	0.34
OR	9	0.25	20	0.55	16	0.44
TN	13	0.22	18	0.30	31	0.61
ALL	161	0.36	179	0.40	207	0.48

*year 2002-2006 except for NM (2004-2006)
^cases/100,000 person

Calendar year through March: Rates for 2006 and 2007 by age group and sex



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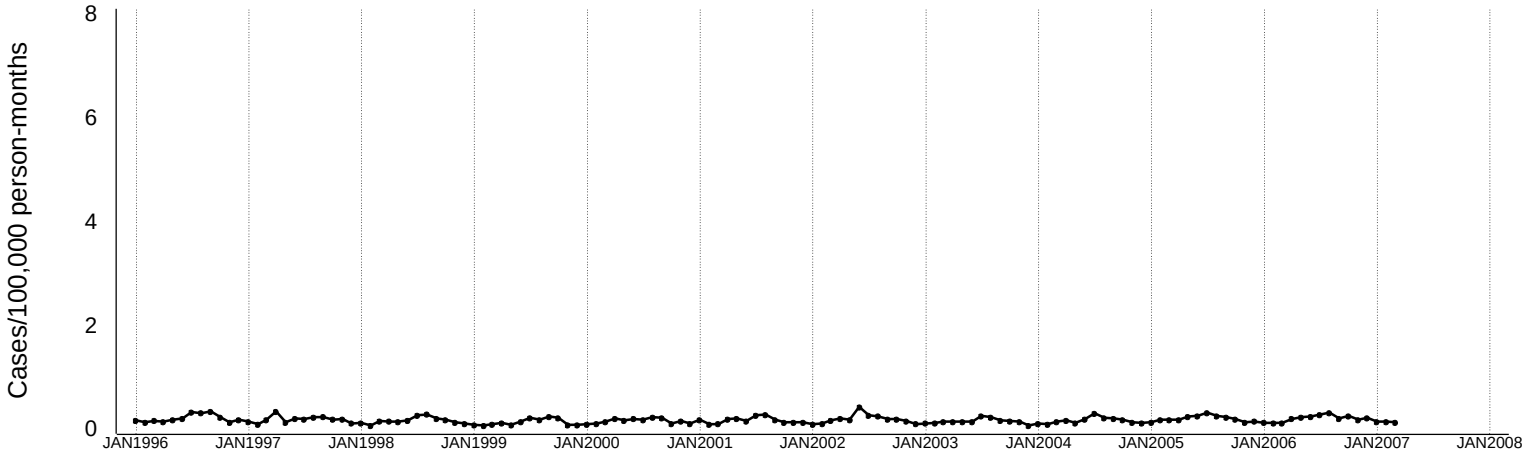
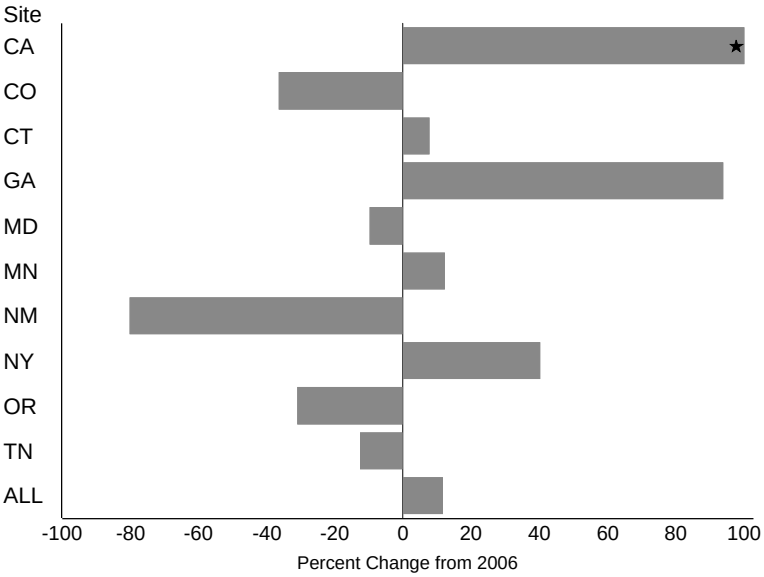
Salmonella Enteritidis

Incidence rate of culture-confirmed infections, FoodNet sites, January 1996-March 2007



Calendar year through March: Percent change in rates between 2006 and 2007 by site

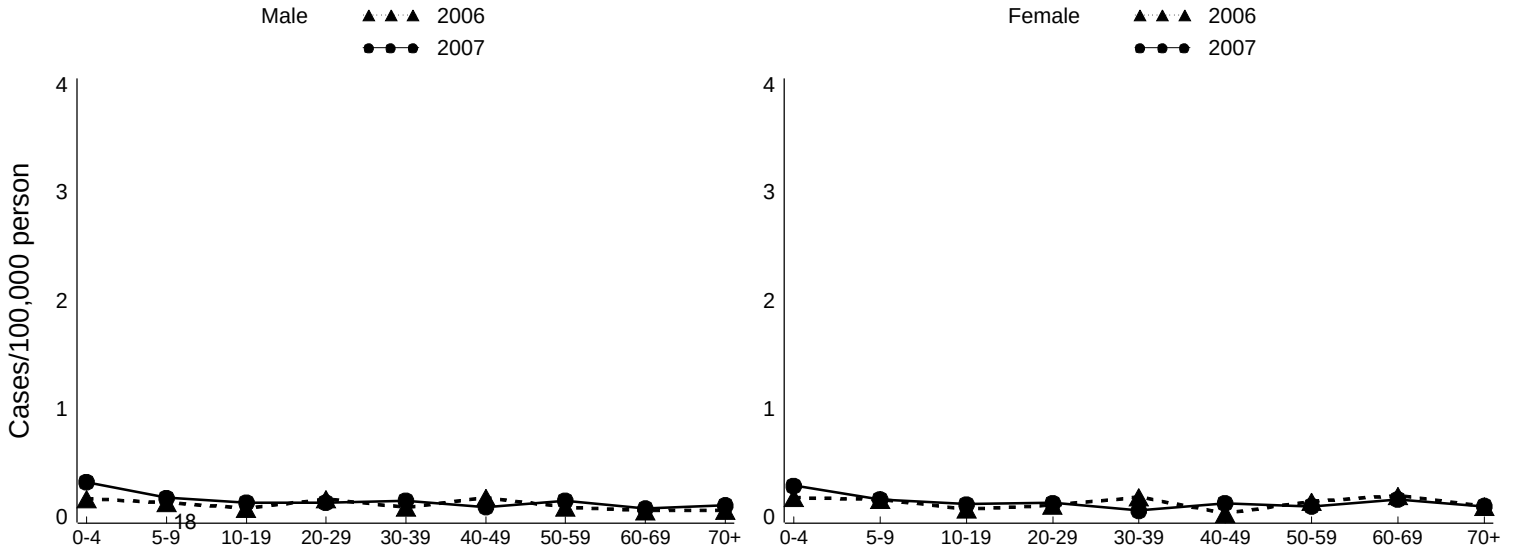


* Change exceeds 100%, +Percent increase cannot be calculated because 2006 rate is 0

	2007		2006		5 year mean*	
Site	Cases	Rate^	Cases	Rate^	Cases	Rate^
CA	15	0.468	7	0.218	14	0.436
CO	7	0.271	11	0.425	12	0.463
CT	28	0.798	26	0.741	22	0.635
GA	31	0.342	16	0.176	13	0.146
MD	28	0.500	31	0.554	37	0.668
MN	37	0.721	33	0.643	26	0.506
NM	1	0.052	5	0.259	4	0.208
NY	21	0.487	15	0.348	13	0.323
OR	9	0.247	13	0.357	14	0.380
TN	7	0.117	8	0.134	13	0.236
ALL	184	0.409	165	0.367	168	0.387

*year 2002-2006 except for NM (2004-2006)
^cases/100,000 person

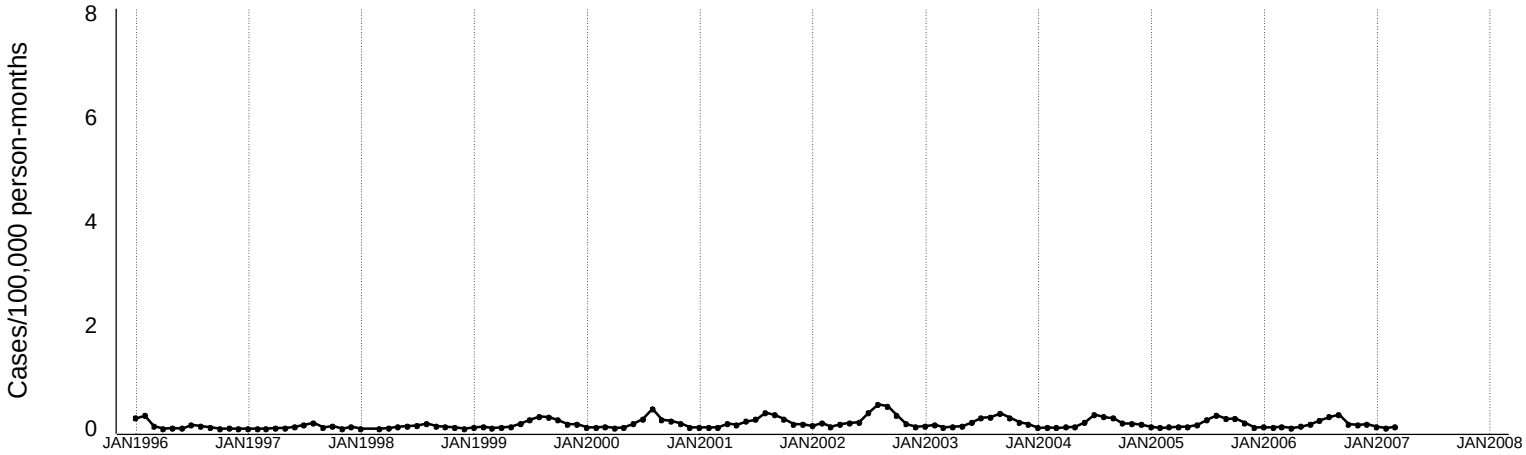
Calendar year through March: Rates for 2006 and 2007 by age group and sex



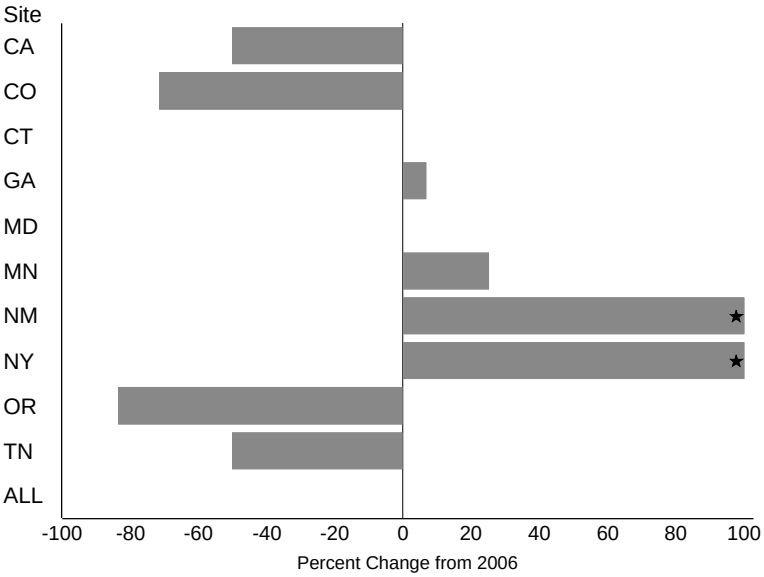
Data source: Preliminary FoodNet data, subject to change, not for public distribution. Report date: 01-June-2007

Salmonella Newport

Incidence rate of culture-confirmed infections, FoodNet sites, January 1996-March 2007



Calendar year through March: Percent change in rates between 2006 and 2007 by site

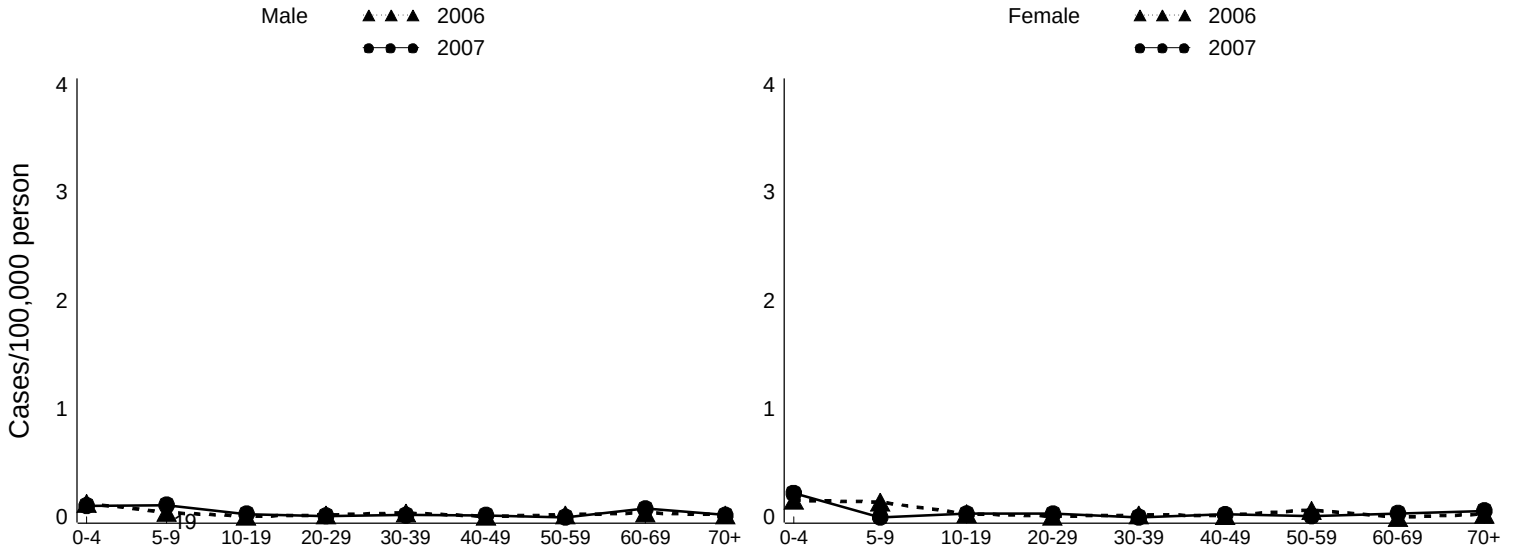


* Change exceeds 100%, +Percent increase cannot be calculated because 2006 rate is 0

	2007		2006		5 year mean*	
Site	Cases	Rate^	Cases	Rate^	Cases	Rate^
CA	2	0.062	4	0.125	5	0.162
CO	2	0.077	7	0.271	4	0.164
CT	3	0.085	3	0.085	6	0.161
GA	16	0.176	15	0.165	15	0.169
MD	2	0.036	2	0.036	4	0.065
MN	5	0.097	4	0.078	6	0.122
NM	11	0.570	3	0.156	4	0.191
NY	6	0.139	2	0.046	8	0.215
OR	1	0.027	6	0.165	7	0.184
TN	2	0.034	4	0.067	2	0.044
ALL	50	0.111	50	0.111	60	0.140

*year 2002-2006 except for NM (2004-2006)
^cases/100,000 person

Calendar year through March: Rates for 2006 and 2007 by age group and sex

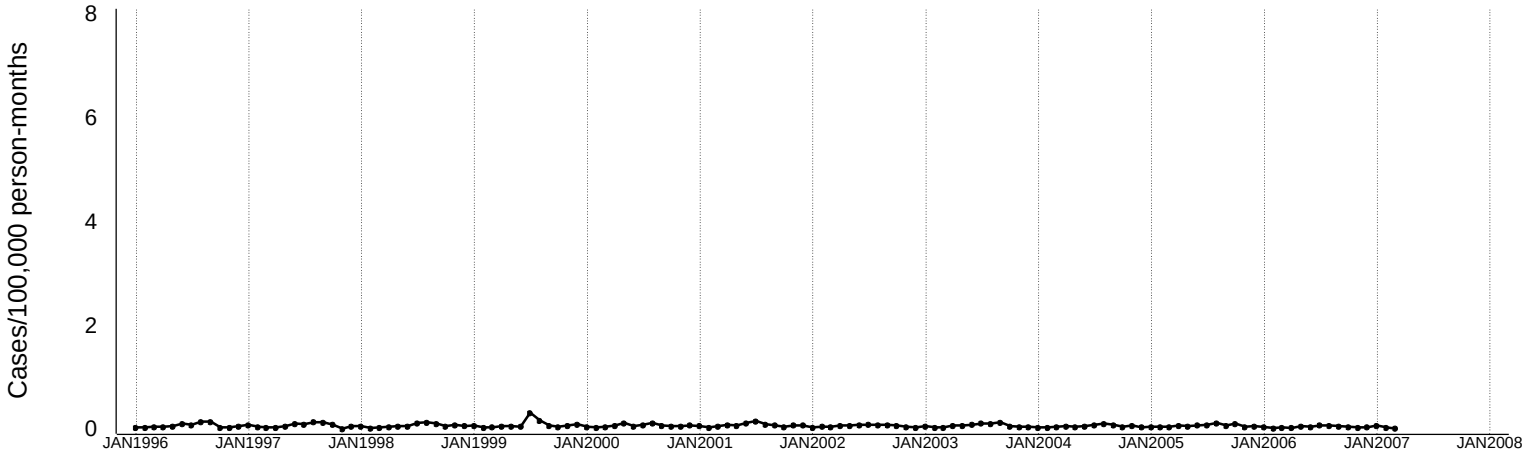


Data source: Preliminary FoodNet data, subject to change, not for public distribution.

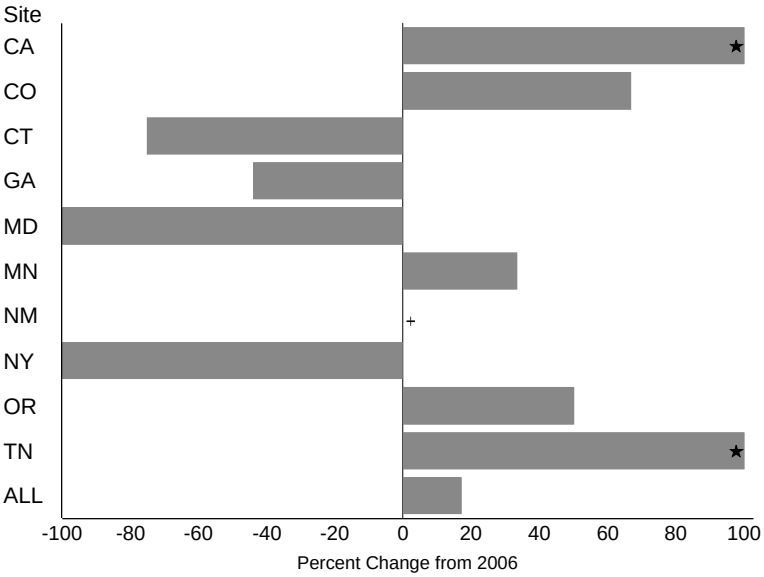
Report date: 01-June-2007

Salmonella Heidelberg

Incidence rate of culture-confirmed infections, FoodNet sites, January 1996-March 2007



Calendar year through March: Percent change in rates between 2006 and 2007 by site

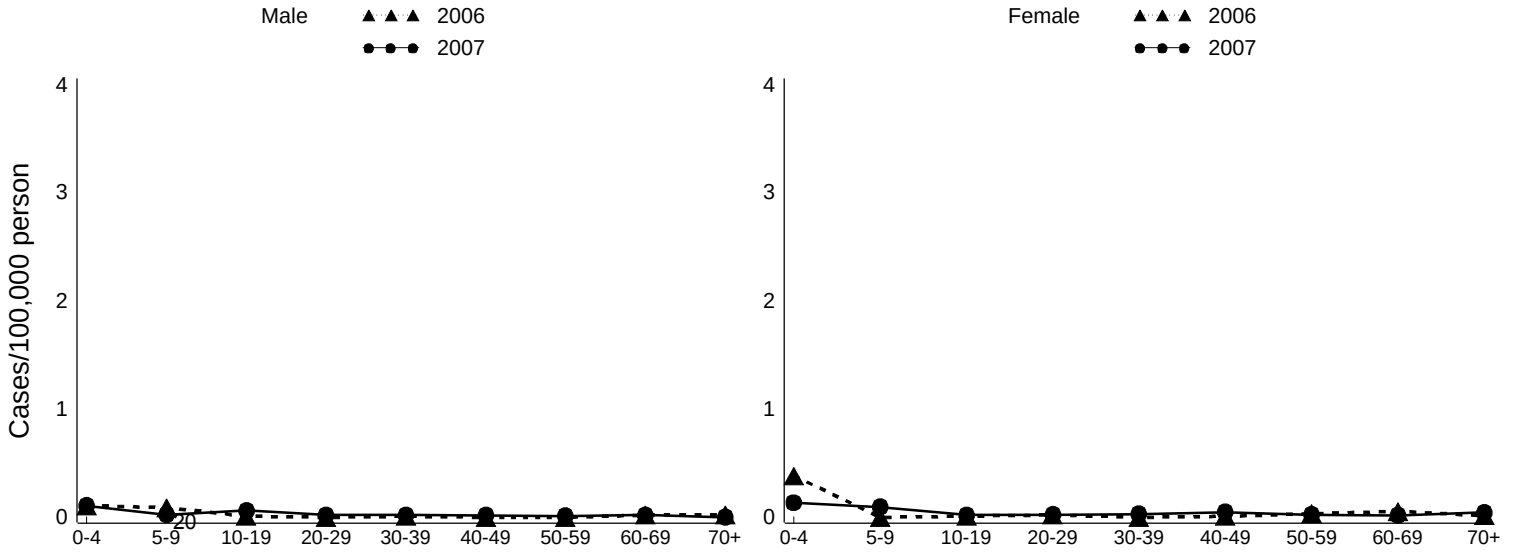


* Change exceeds 100%, +Percent increase cannot be calculated because 2006 rate is 0

	2007		2006		5 year mean*	
Site	Cases	Rate^	Cases	Rate^	Cases	Rate^
CA	3	0.094	1	0.031	7	0.231
CO	5	0.193	3	0.116	2	0.087
CT	1	0.028	4	0.114	3	0.086
GA	9	0.099	16	0.176	13	0.144
MD	0	0.000	2	0.036	4	0.080
MN	4	0.078	3	0.058	5	0.098
NM	1	0.052	0	0.000	0	0.000
NY	0	0.000	6	0.139	4	0.105
OR	3	0.082	2	0.055	5	0.133
TN	22	0.369	4	0.067	6	0.123
ALL	48	0.107	41	0.091	50	0.117

*year 2002-2006 except for NM (2004-2006)
^cases/100,000 person

Calendar year through March: Rates for 2006 and 2007 by age group and sex

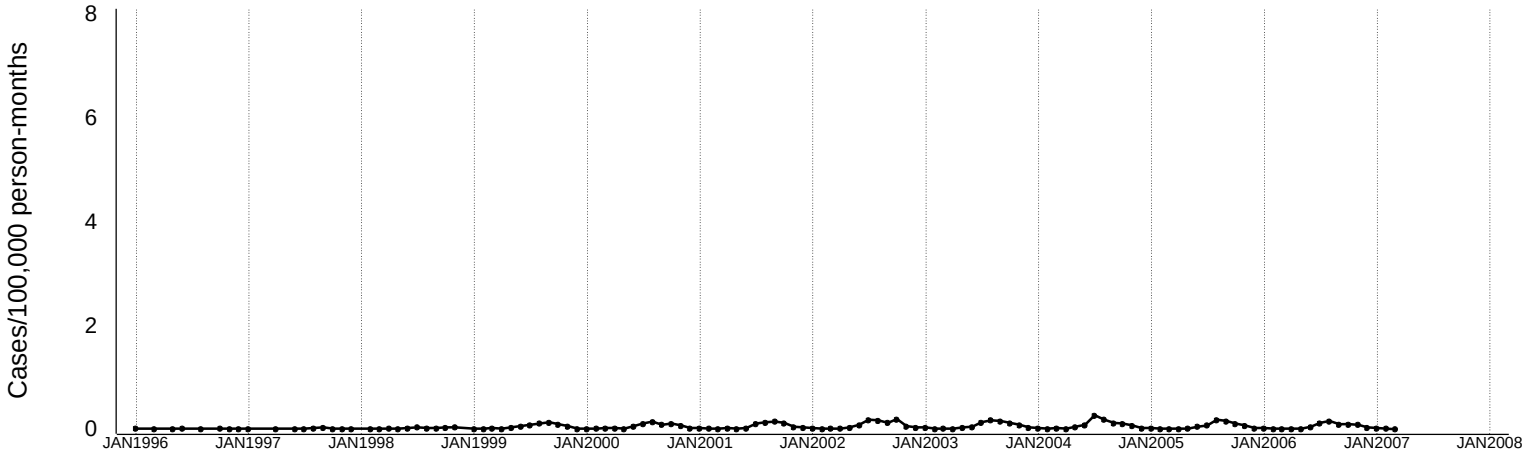


Data source: Preliminary FoodNet data, subject to change, not for public distribution.

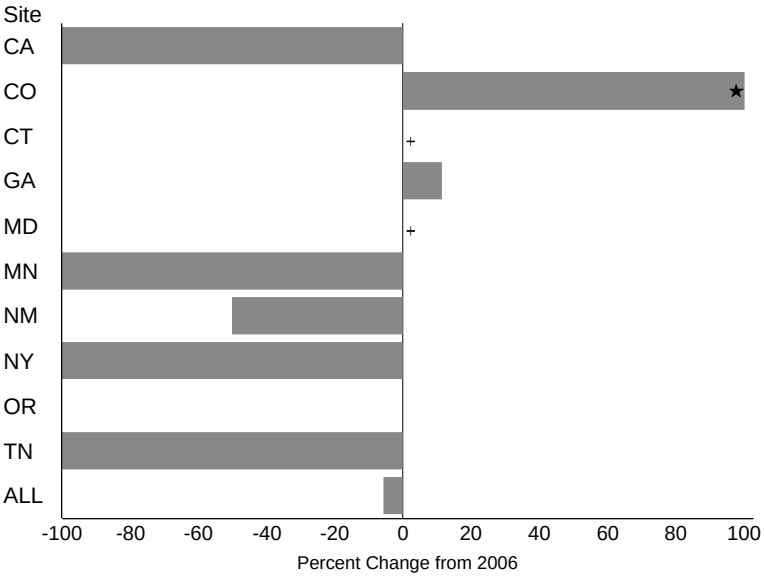
Report date: 01-June-2007

Salmonella Javiana

Incidence rate of culture-confirmed infections, FoodNet sites, January 1996-March 2007



Calendar year through March: Percent change in rates between 2006 and 2007 by site

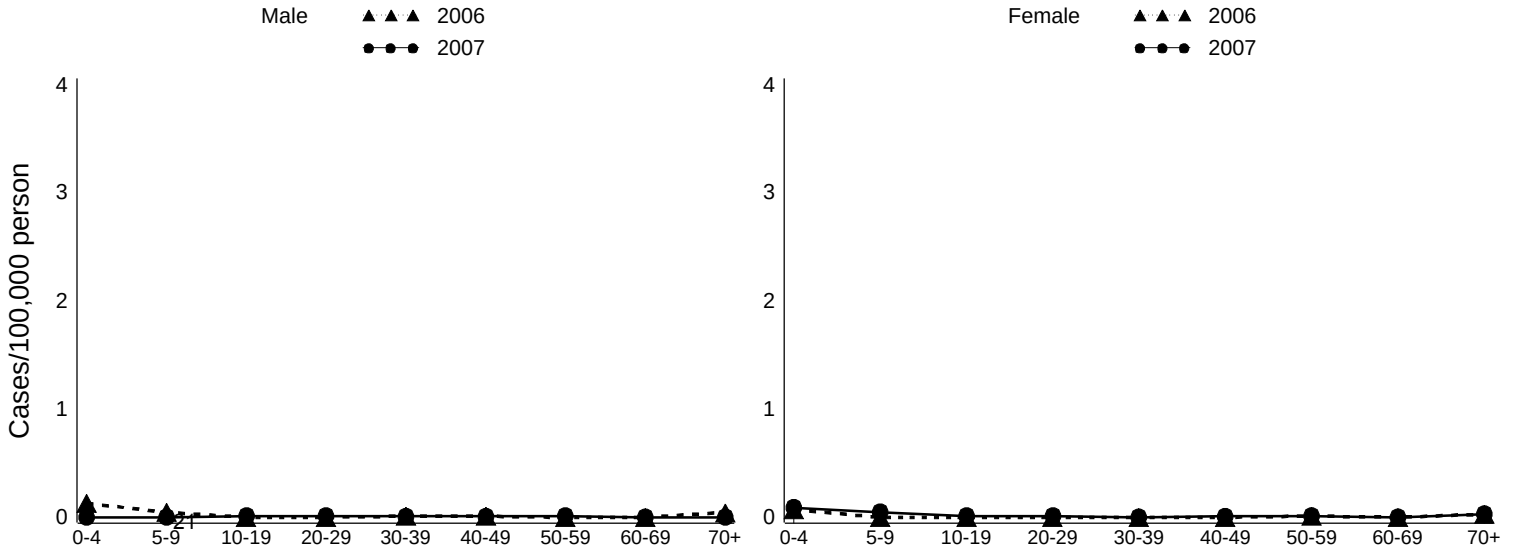


* Change exceeds 100%, +Percent increase cannot be calculated because 2006 rate is 0

	2007		2006		5 year mean*	
Site	Cases	Rate^	Cases	Rate^	Cases	Rate^
CA	0	0.000	2	0.062	2	0.050
CO	3	0.116	1	0.039	0	0.008
CT	1	0.028	0	0.000	0	0.006
GA	10	0.110	9	0.099	11	0.126
MD	1	0.018	0	0.000	0	0.007
MN	0	0.000	1	0.019	1	0.024
NM	1	0.052	2	0.104	3	0.140
NY	0	0.000	1	0.023	0	0.005
OR	1	0.027	1	0.027	1	0.017
TN	0	0.000	1	0.017	2	0.034
ALL	17	0.038	18	0.040	20	0.044

*year 2002-2006 except for NM (2004-2006)
^cases/100,000 person

Calendar year through March: Rates for 2006 and 2007 by age group and sex



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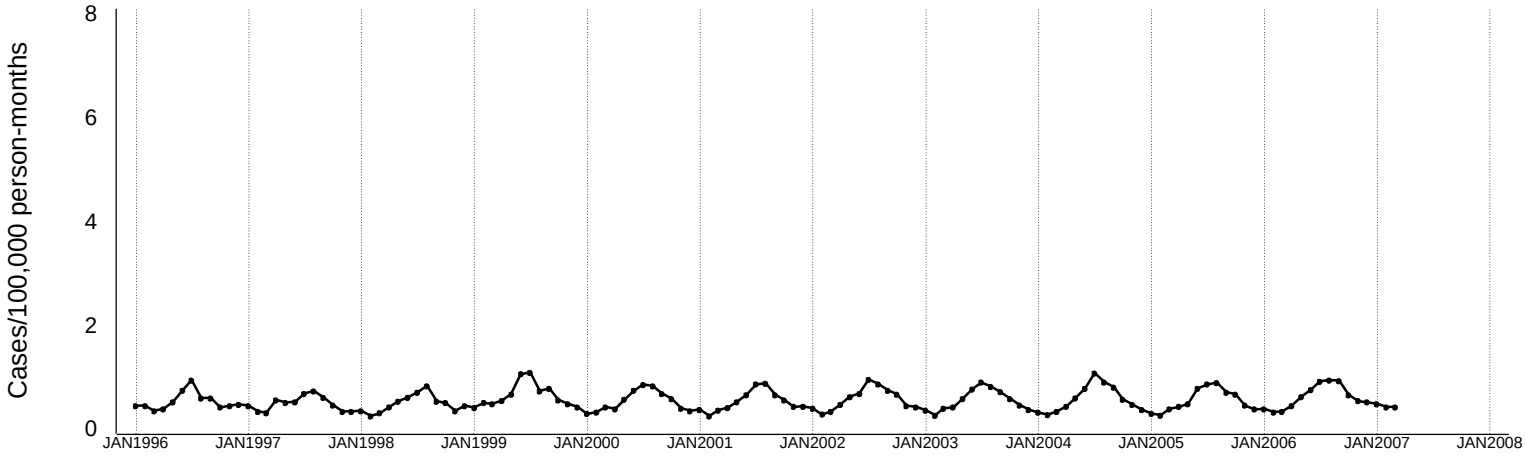
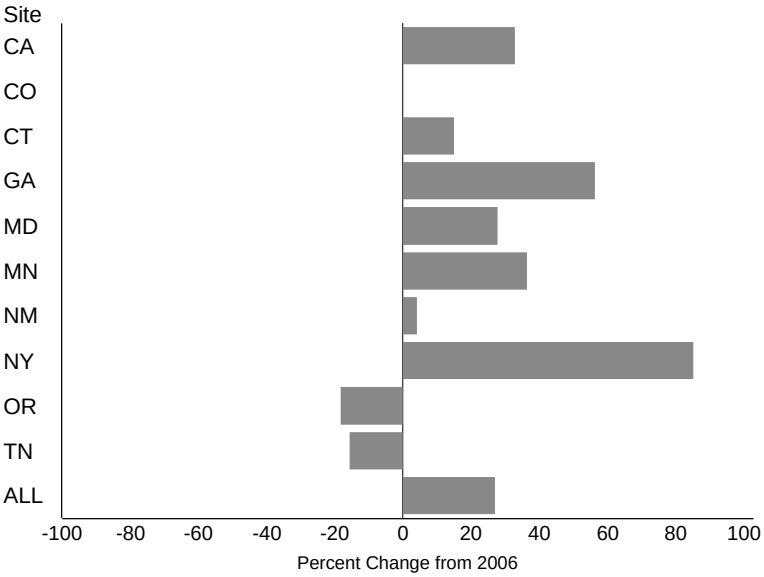
Report date: 01-June-2007

Salmonella, all others

Incidence rate of culture-confirmed infections, FoodNet sites, January 1996-March 2007



Calendar year through March: Percent change in rates between 2006 and 2007 by site

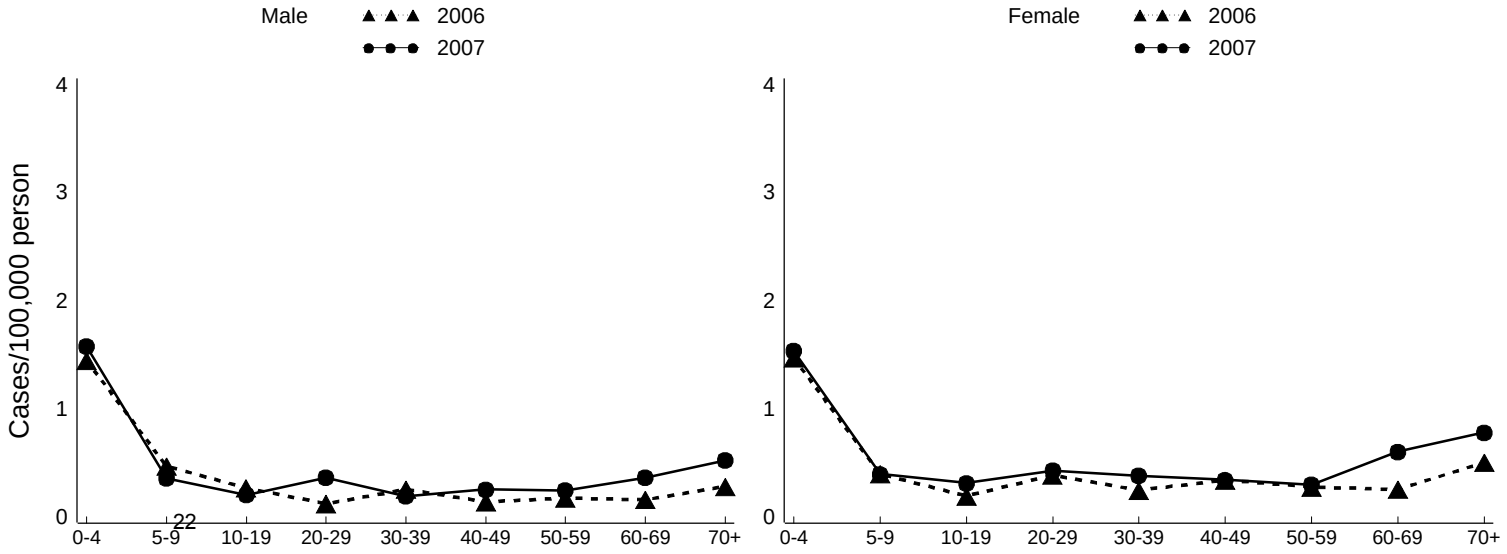


* Change exceeds 100%, +Percent increase cannot be calculated because 2006 rate is 0

	2007		2006		5 year mean*	
Site	Cases	Rate^	Cases	Rate^	Cases	Rate^
CA	53	1.65	40	1.25	44	1.37
CO	32	1.24	32	1.24	25	0.97
CT	31	0.88	27	0.77	27	0.78
GA	170	1.87	109	1.20	102	1.15
MD	65	1.16	51	0.91	51	0.92
MN	64	1.25	47	0.92	46	0.90
NM	27	1.40	26	1.35	22	1.15
NY	74	1.72	40	0.93	34	0.85
OR	36	0.99	44	1.21	34	0.94
TN	49	0.82	58	0.97	52	0.99
ALL	601	1.34	474	1.05	437	1.00

*year 2002-2006 except for NM (2004-2006)
^cases/100,000 person

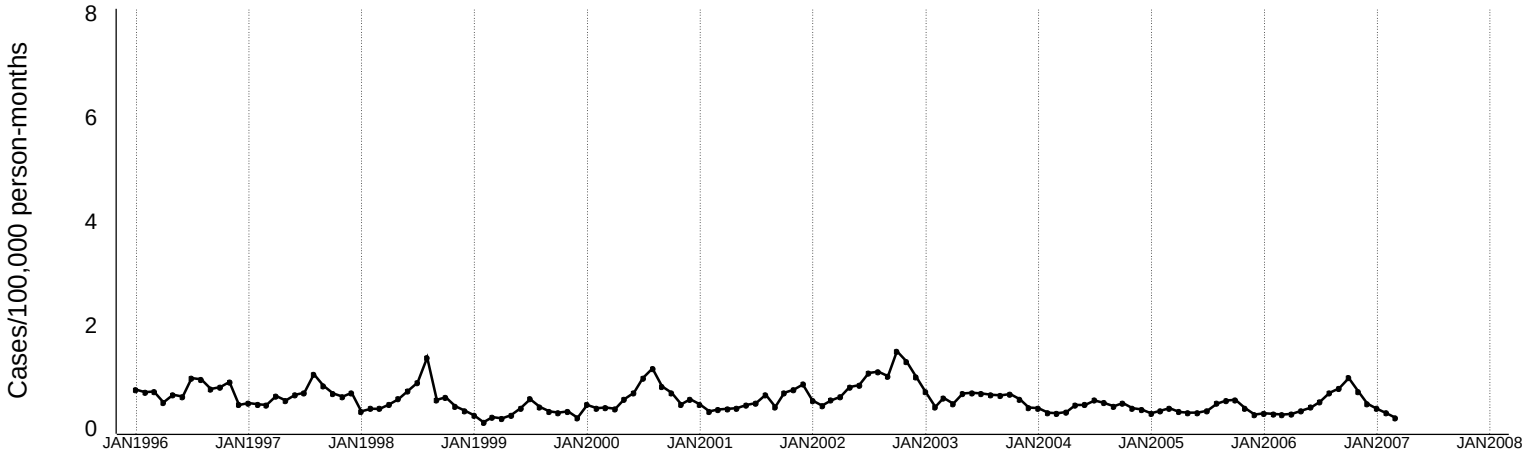
Calendar year through March: Rates for 2006 and 2007 by age group and sex



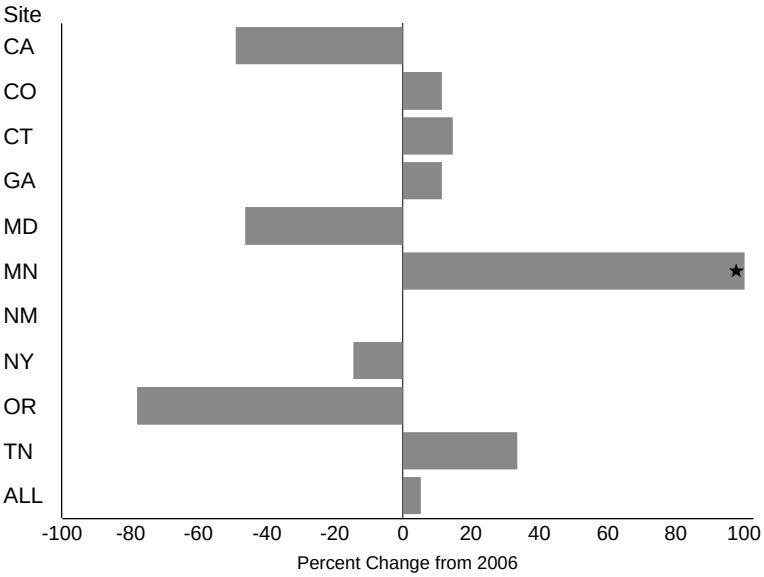
Data source: Preliminary FoodNet data, subject to change, not for public distribution. Report date: 01-June-2007

Shigella, all species

Incidence rate of culture-confirmed infections, FoodNet sites, January 1996-March 2007



Calendar year through March: Percent change in rates between 2006 and 2007 by site

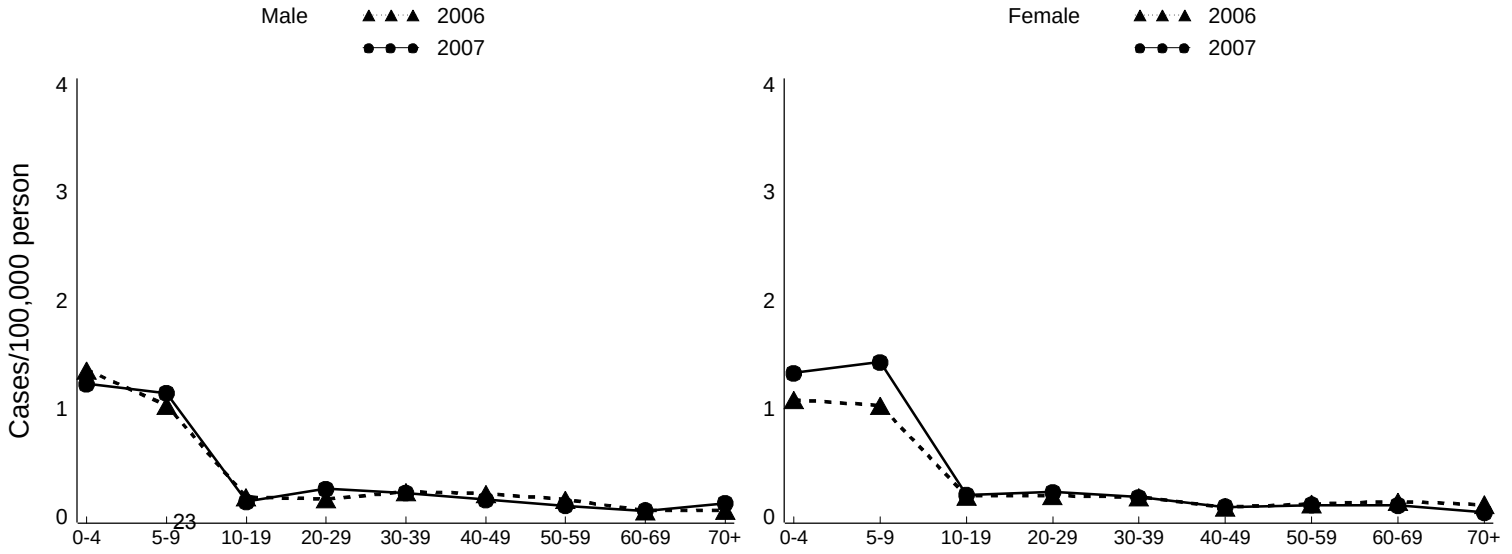


* Change exceeds 100%, +Percent increase cannot be calculated because 2006 rate is 0

	2007		2006		5 year mean*	
Site	Cases	Rate^	Cases	Rate^	Cases	Rate^
CA	23	0.72	45	1.40	58	1.80
CO	20	0.77	18	0.70	18	0.71
CT	8	0.23	7	0.20	14	0.41
GA	208	2.29	187	2.06	207	2.35
MD	14	0.25	26	0.46	61	1.11
MN	74	1.44	22	0.43	23	0.45
NM	26	1.35	26	1.35	29	1.50
NY	6	0.14	7	0.16	25	0.61
OR	8	0.22	36	0.99	22	0.60
TN	28	0.47	21	0.35	83	1.45
ALL	415	0.92	395	0.88	540	1.25

*year 2002-2006 except for NM (2004-2006)
^cases/100,000 person

Calendar year through March: Rates for 2006 and 2007 by age group and sex



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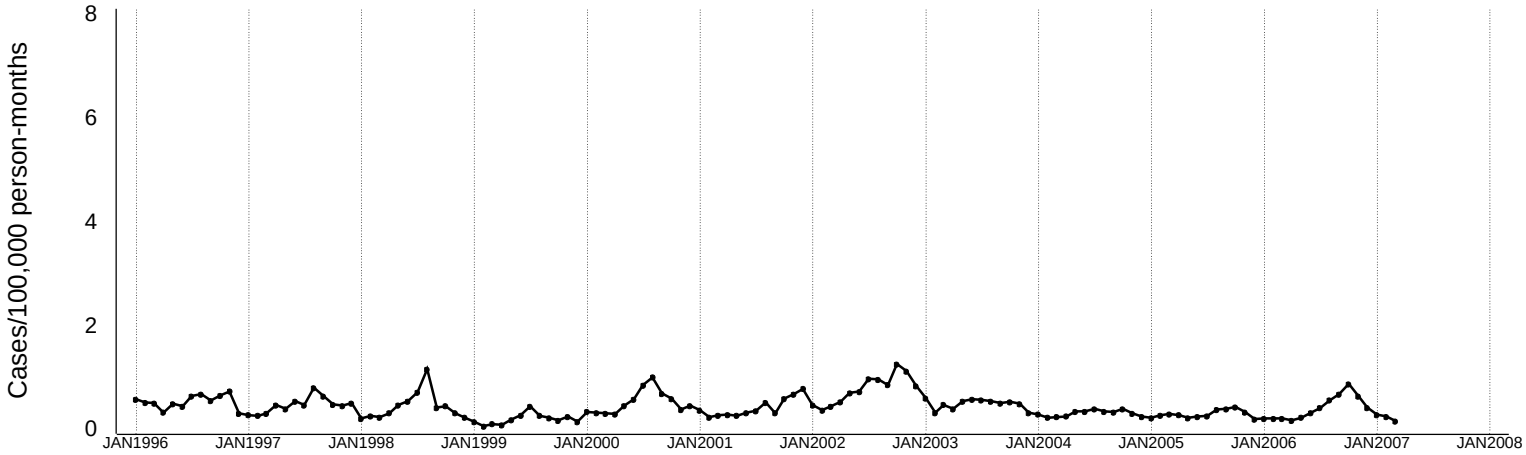
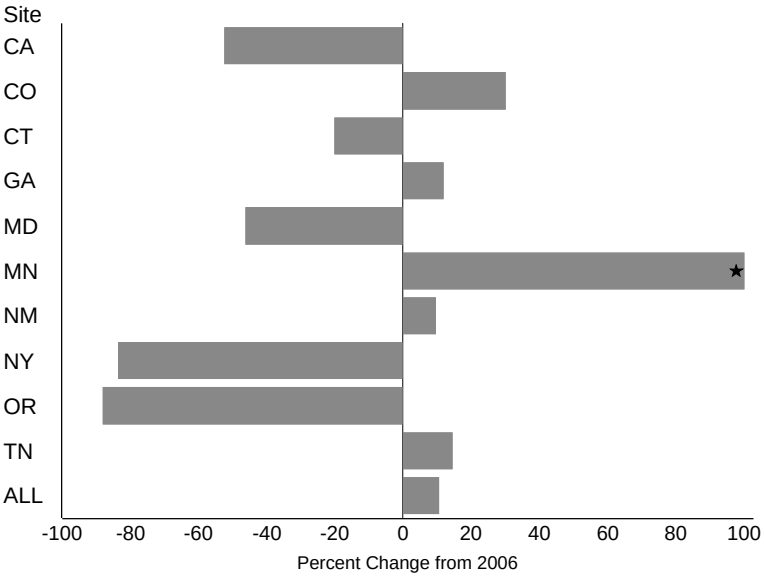
Shigella sonnei

Incidence rate of culture-confirmed infections, FoodNet sites, January 1996-March 2007



Calendar year through March: Percent change in rates between 2006 and 2007 by site

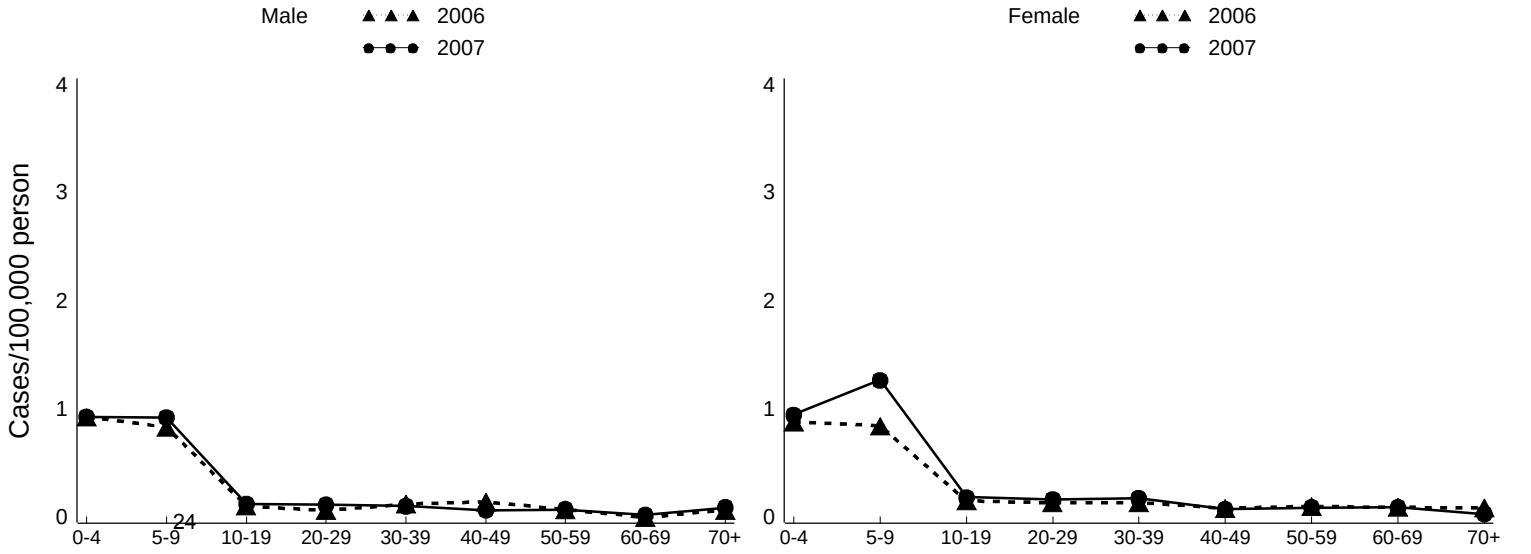


* Change exceeds 100%, +Percent increase cannot be calculated because 2006 rate is 0

	2007		2006		5 year mean*	
Site	Cases	Rate^	Cases	Rate^	Cases	Rate^
CA	11	0.343	23	0.717	28	0.860
CO	13	0.503	10	0.387	11	0.449
CT	4	0.114	5	0.142	9	0.264
GA	161	1.775	144	1.587	166	1.891
MD	7	0.125	13	0.232	51	0.926
MN	67	1.305	16	0.312	16	0.308
NM	23	1.193	21	1.089	23	1.217
NY	1	0.023	6	0.139	23	0.552
OR	3	0.082	25	0.687	13	0.367
TN	16	0.268	14	0.235	73	1.250
ALL	306	0.681	277	0.616	414	0.959

*year 2002-2006 except for NM (2004-2006)
^cases/100,000 person

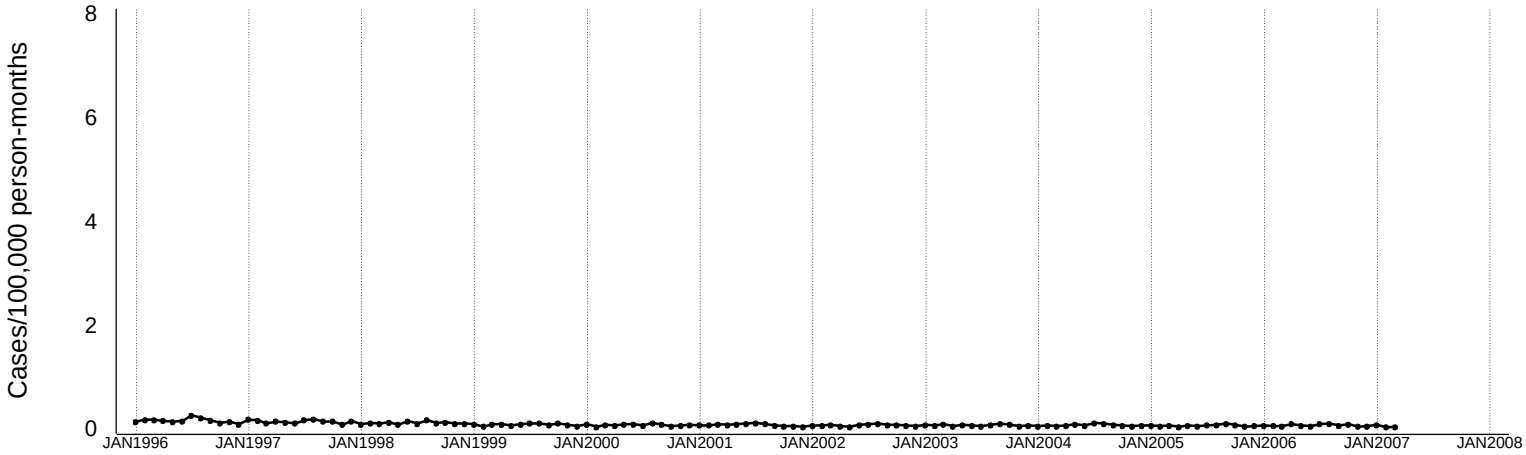
Calendar year through March: Rates for 2006 and 2007 by age group and sex



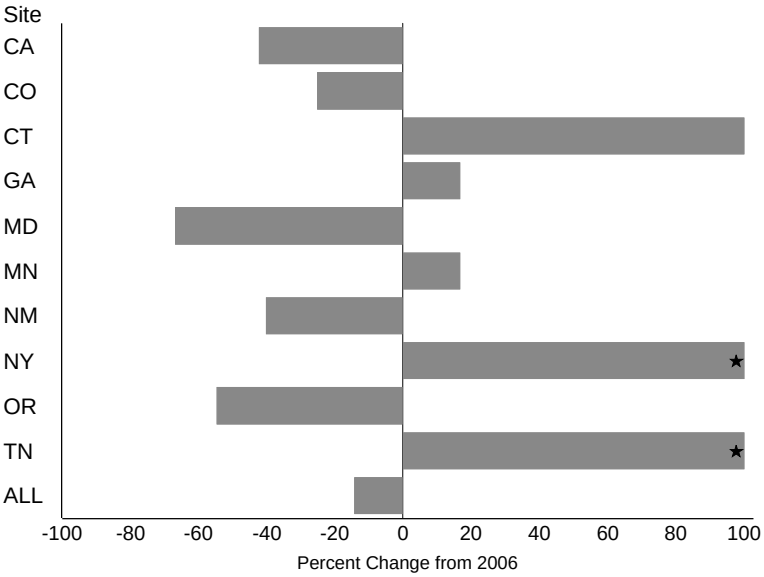
Data source: Preliminary FoodNet data, subject to change, not for public distribution. Report date: 01-June-2007

Shigella flexneri

Incidence rate of culture-confirmed infections, FoodNet sites, January 1996-March 2007



Calendar year through March: Percent change in rates between 2006 and 2007 by site

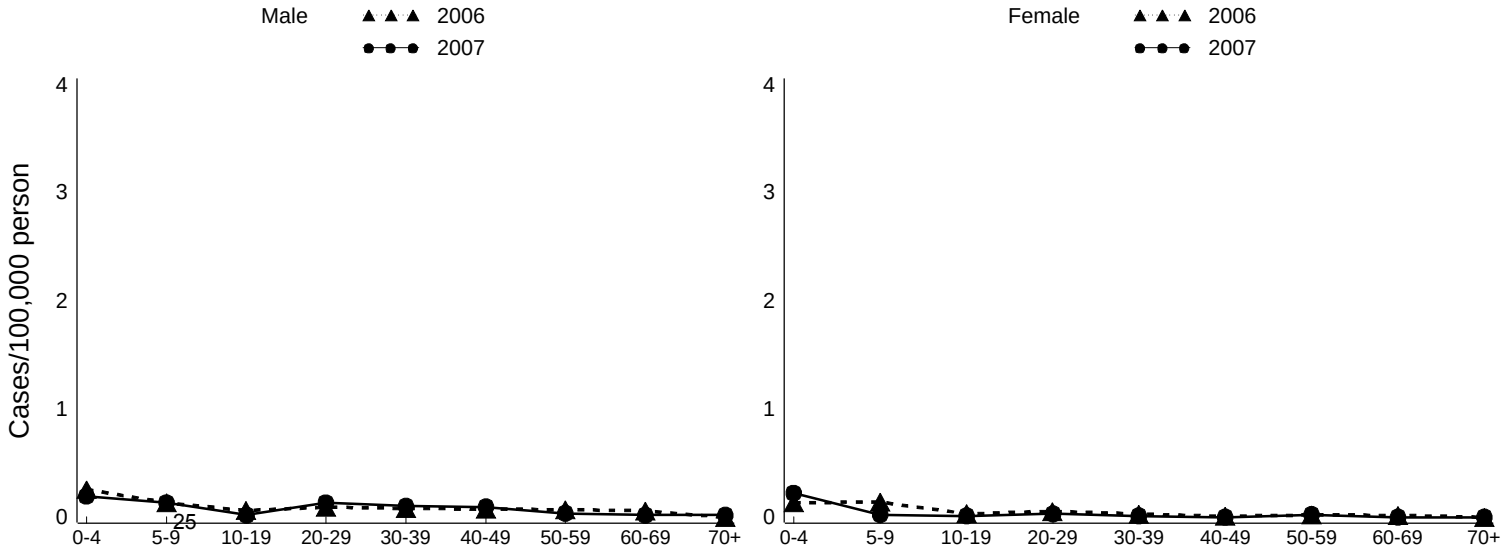


* Change exceeds 100%, +Percent increase cannot be calculated because 2006 rate is 0

	2007		2006		5 year mean*	
Site	Cases	Rate^	Cases	Rate^	Cases	Rate^
CA	11	0.343	19	0.593	25	0.792
CO	6	0.232	8	0.309	7	0.259
CT	4	0.114	2	0.057	4	0.115
GA	21	0.231	18	0.198	20	0.221
MD	4	0.071	12	0.214	9	0.162
MN	7	0.136	6	0.117	6	0.126
NM	3	0.156	5	0.259	5	0.243
NY	4	0.093	1	0.023	2	0.050
OR	5	0.137	11	0.302	8	0.233
TN	8	0.134	3	0.050	4	0.085
ALL	73	0.162	85	0.189	90	0.207

*year 2002-2006 except for NM (2004-2006)
^cases/100,000 person

Calendar year through March: Rates for 2006 and 2007 by age group and sex

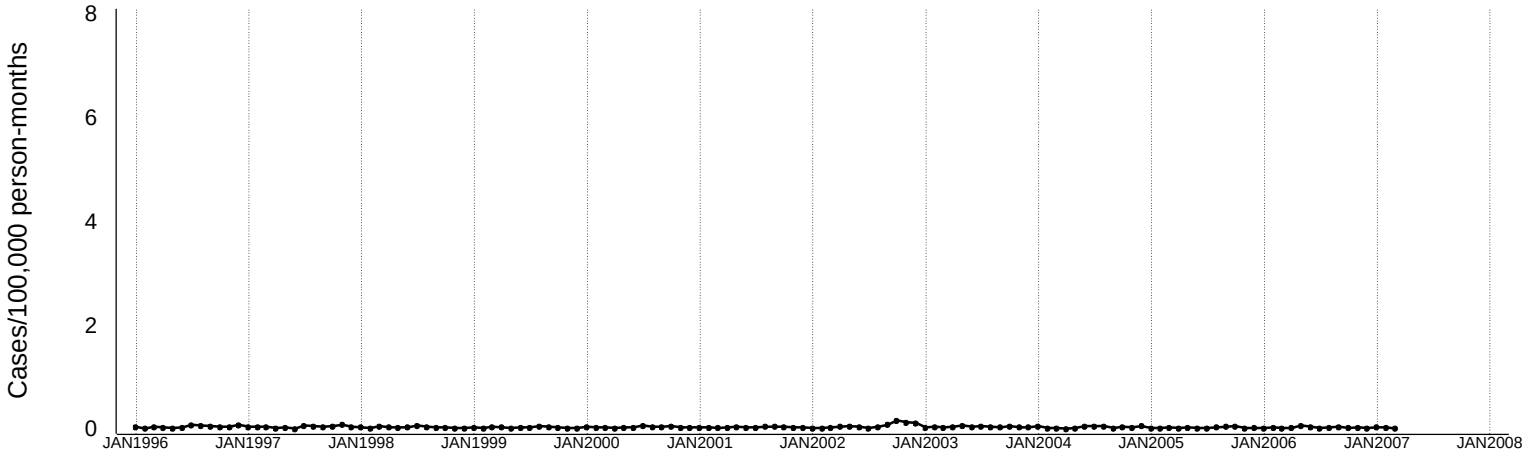


Data source: Preliminary FoodNet data, subject to change, not for public distribution.

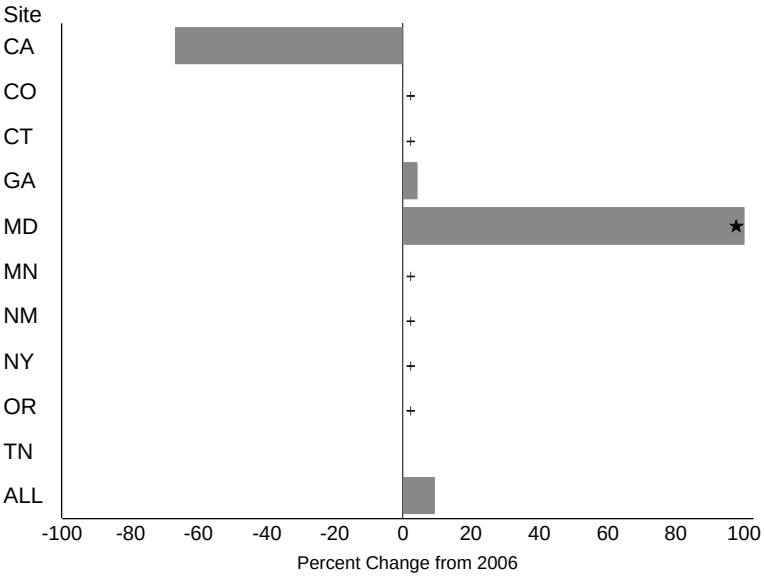
Report date: 01-June-2007

Shigella, all others

Incidence rate of culture-confirmed infections, FoodNet sites, January 1996-March 2007



Calendar year through March: Percent change in rates between 2006 and 2007 by site

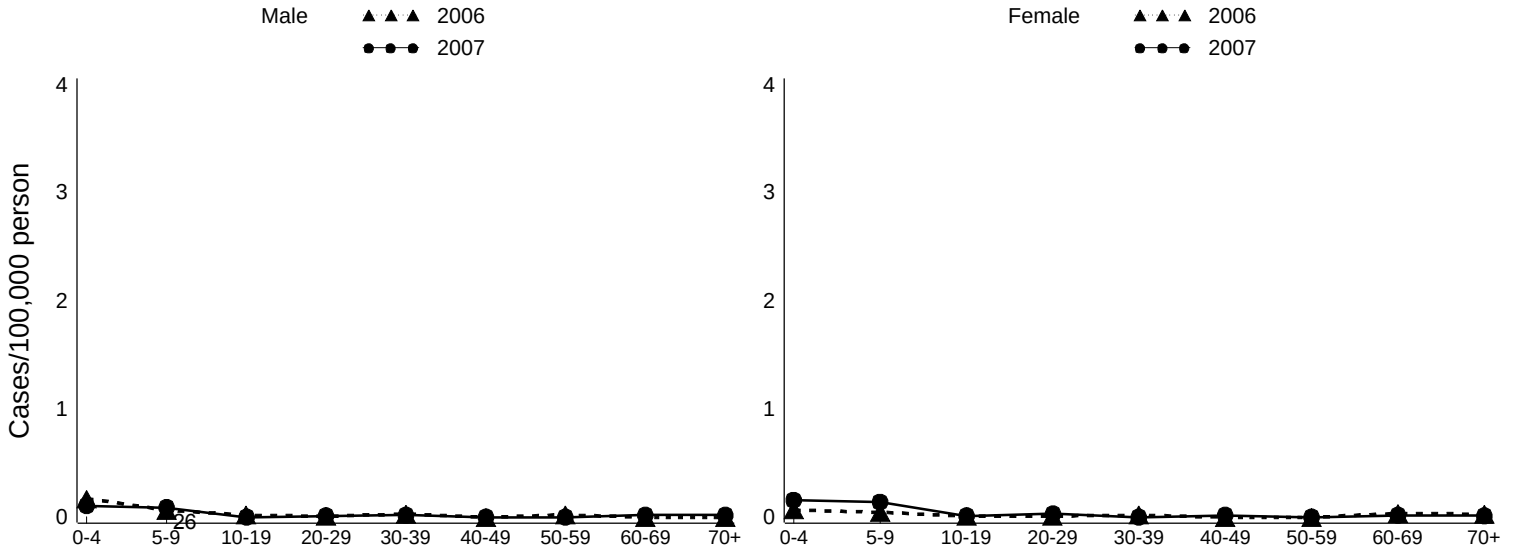


* Change exceeds 100%, +Percent increase cannot be calculated because 2006 rate is 0

	2007		2006		5 year mean*	
Site	Cases	Rate^	Cases	Rate^	Cases	Rate^
CA	1	0.031	3	0.094	5	0.150
CO	1	0.039	0	0.000	0	0.000
CT	0	0.000	0	0.000	1	0.029
GA	26	0.287	25	0.276	21	0.240
MD	3	0.054	1	0.018	1	0.018
MN	0	0.000	0	0.000	1	0.012
NM	0	0.000	0	0.000	1	0.035
NY	1	0.023	0	0.000	0	0.005
OR	0	0.000	0	0.000	0	0.000
TN	4	0.067	4	0.067	6	0.120
ALL	36	0.080	33	0.073	36	0.083

*year 2002-2006 except for NM (2004-2006)
^cases/100,000 person

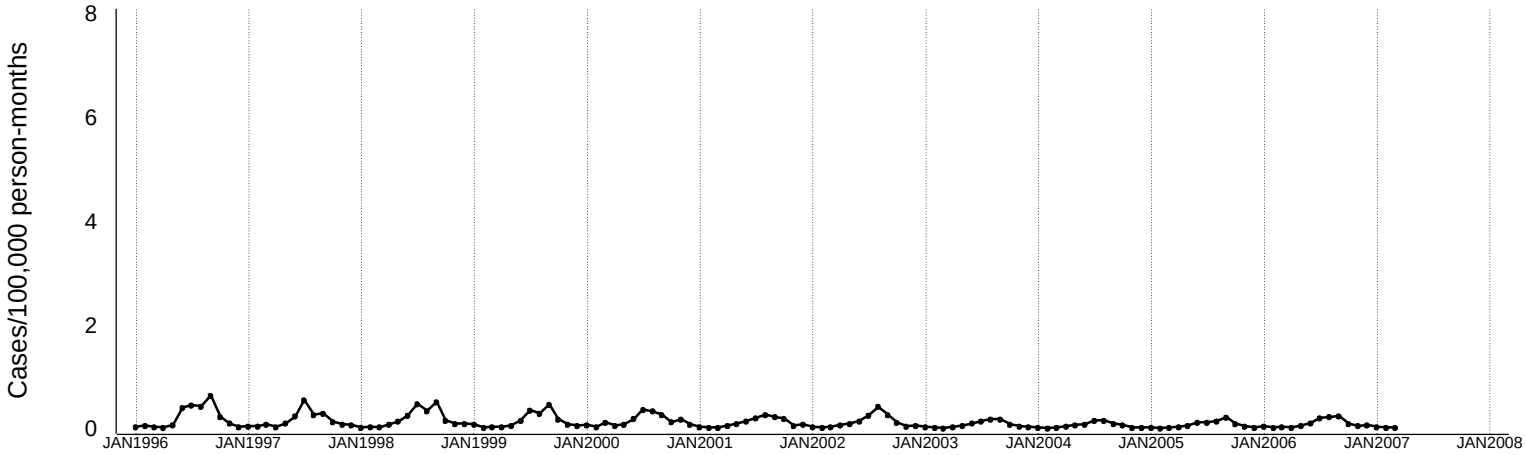
Calendar year through March: Rates for 2006 and 2007 by age group and sex



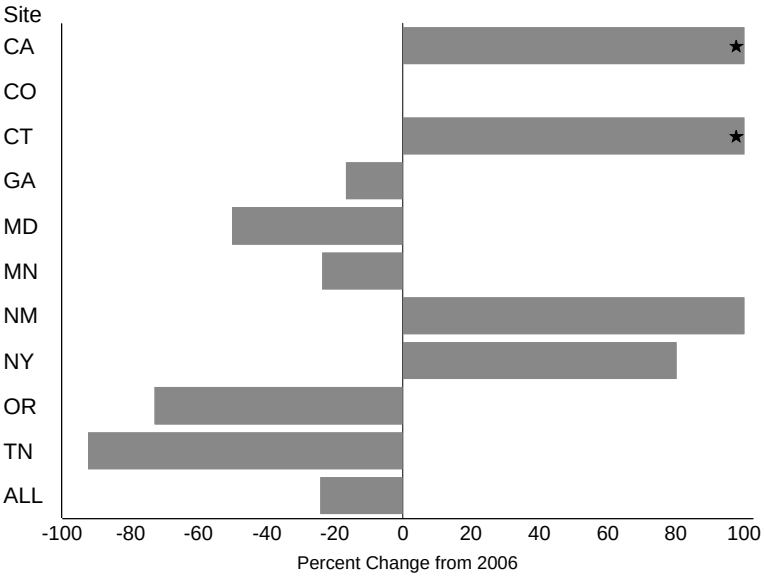
Data source: Preliminary FoodNet data, subject to change, not for public distribution. Report date: 01-June-2007

STEC O157

Incidence rate of culture-confirmed infections, FoodNet sites, January 1996-March 2007



Calendar year through March: Percent change in rates between 2006 and 2007 by site

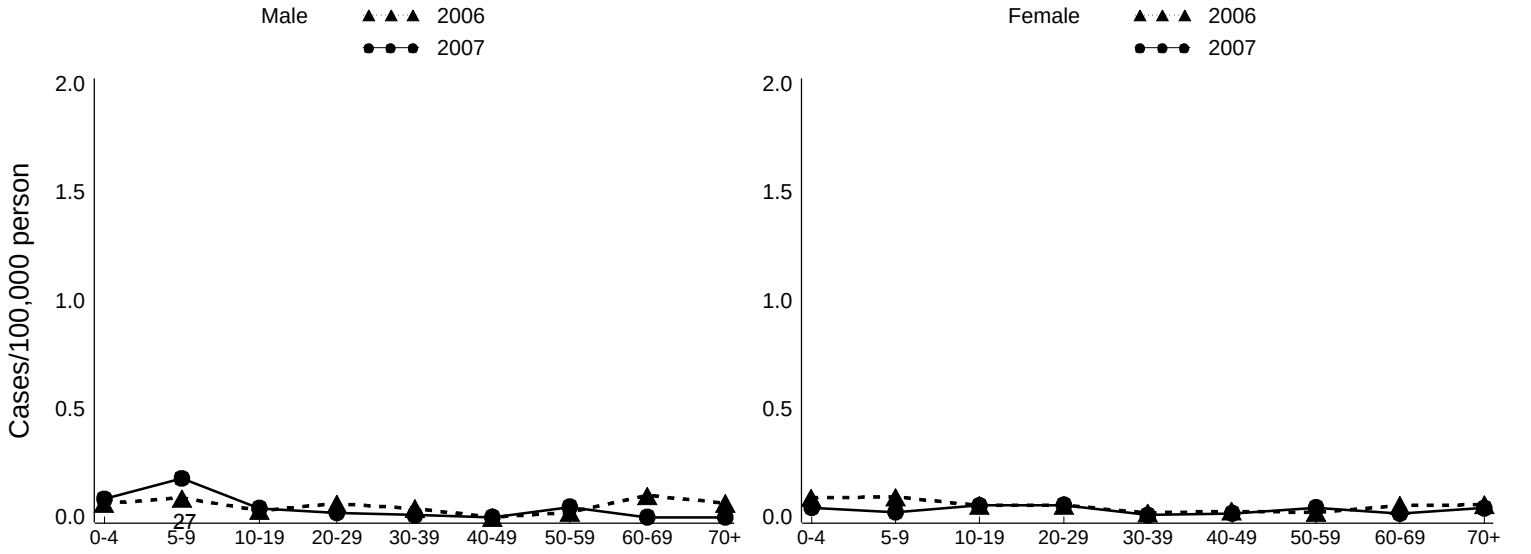


* Change exceeds 100%, +Percent increase cannot be calculated because 2006 rate is 0

	2007		2006		5 year mean*	
Site	Cases	Rate^	Cases	Rate^	Cases	Rate^
CA	5	0.156	2	0.062	2	0.056
CO	3	0.116	3	0.116	3	0.125
CT	5	0.142	2	0.057	5	0.132
GA	5	0.055	6	0.066	5	0.054
MD	1	0.018	2	0.036	1	0.022
MN	13	0.253	17	0.331	13	0.252
NM	2	0.104	1	0.052	1	0.052
NY	9	0.209	5	0.116	5	0.127
OR	3	0.082	11	0.302	4	0.100
TN	1	0.017	13	0.218	6	0.119
ALL	47	0.105	62	0.138	44	0.103

*year 2002-2006 except for NM (2004-2006)
^cases/100,000 person

Calendar year through March: Rates for 2006 and 2007 by age group and sex

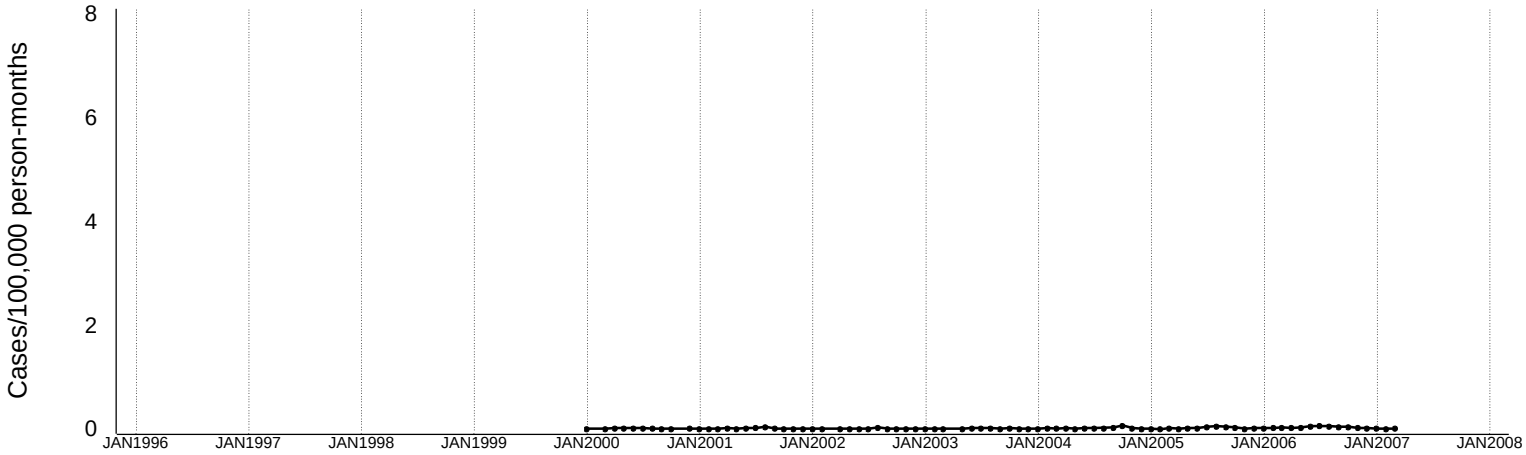


Data source: Preliminary FoodNet data, subject to change, not for public distribution.

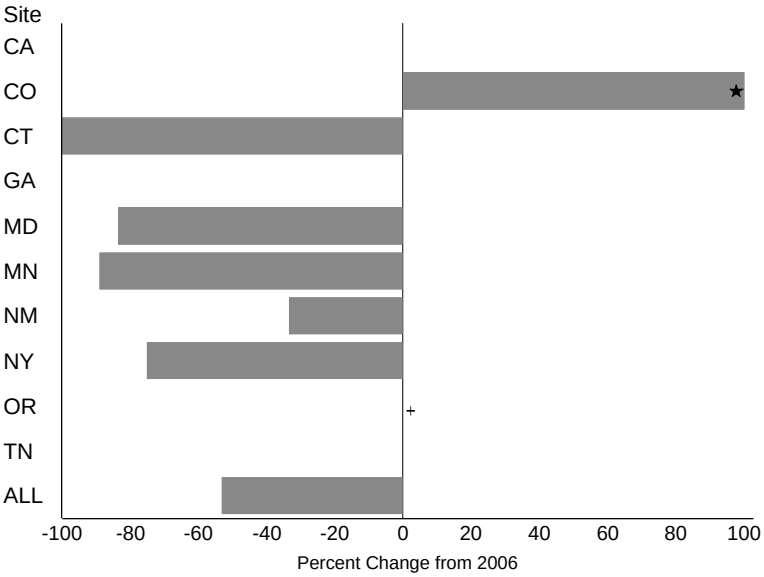
Report date: 01-June-2007

STEC Non-O157

Incidence rate of culture-confirmed infections, FoodNet sites, January 1996-March 2007



Calendar year through March: Percent change in rates between 2006 and 2007 by site

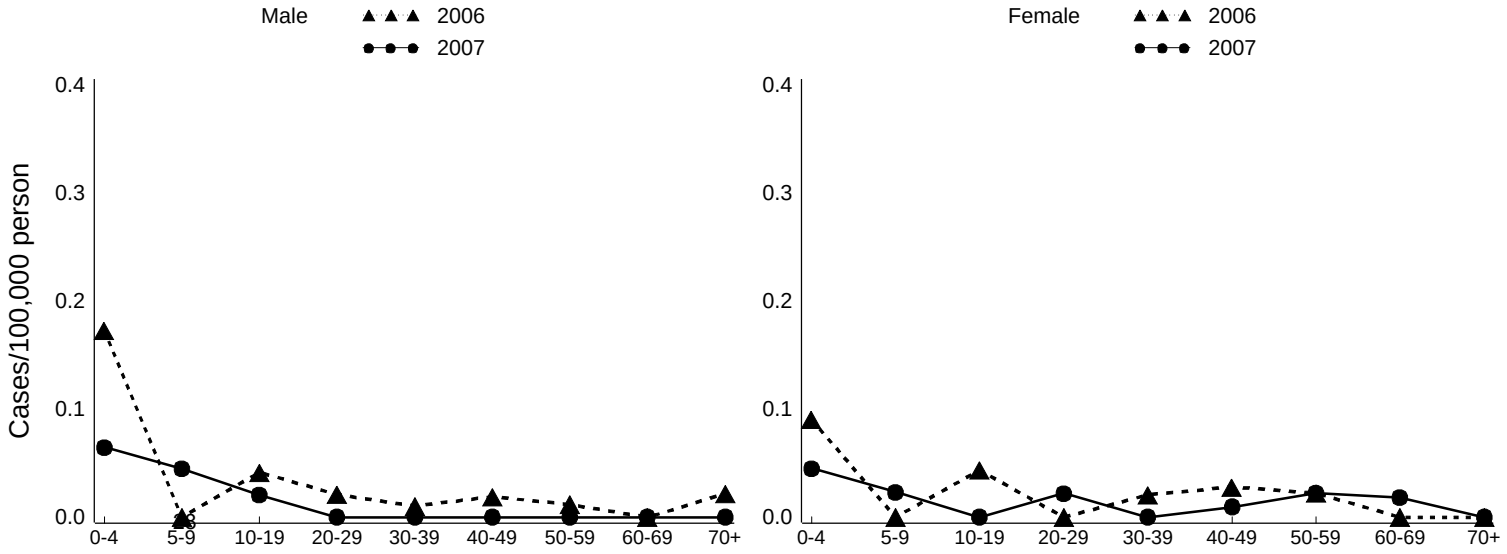


* Change exceeds 100%, +Percent increase cannot be calculated because 2006 rate is 0

	2007		2006		5 year mean*	
Site	Cases	Rate^	Cases	Rate^	Cases	Rate^
CA	1	0.031	1	0.031	0	0.006
CO	6	0.232	2	0.077	1	0.023
CT	0	0.000	5	0.142	4	0.109
GA	3	0.033	3	0.033	1	0.016
MD	1	0.018	6	0.107	2	0.032
MN	1	0.019	9	0.175	3	0.063
NM	2	0.104	3	0.156	2	0.121
NY	1	0.023	4	0.093	1	0.028
OR	0	0.000	0	0.000	0	0.011
TN	1	0.017	1	0.017	0	0.003
ALL	16	0.036	34	0.076	15	0.032

*year 2002-2006 except for NM (2004-2006)
^cases/100,000 person

Calendar year through March: Rates for 2006 and 2007 by age group and sex

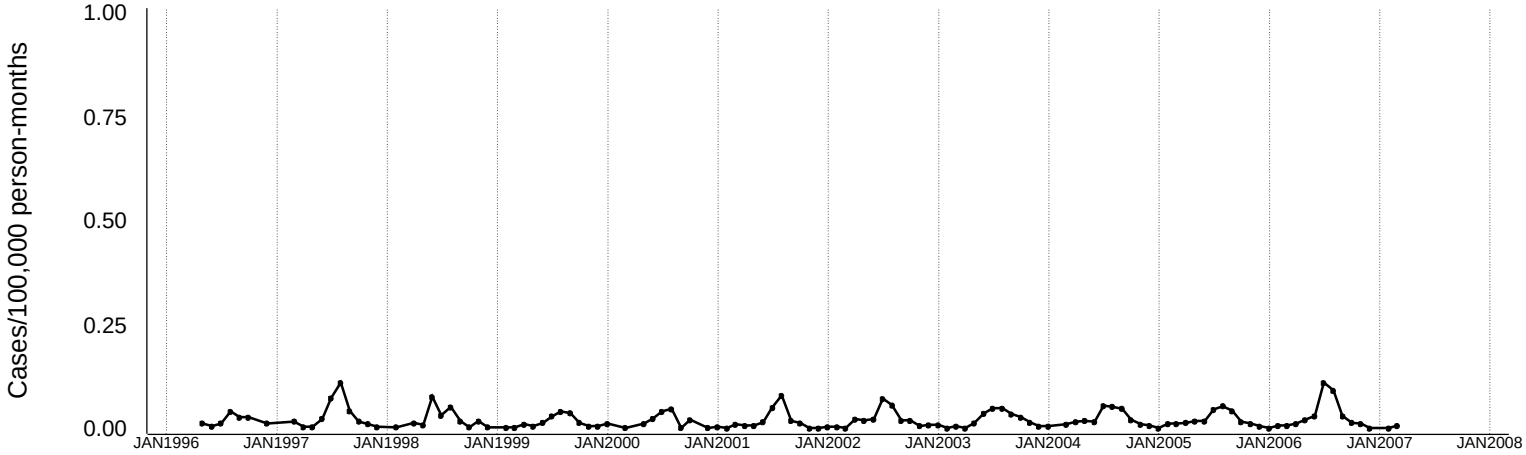


Data source: Preliminary FoodNet data, subject to change, not for public distribution.

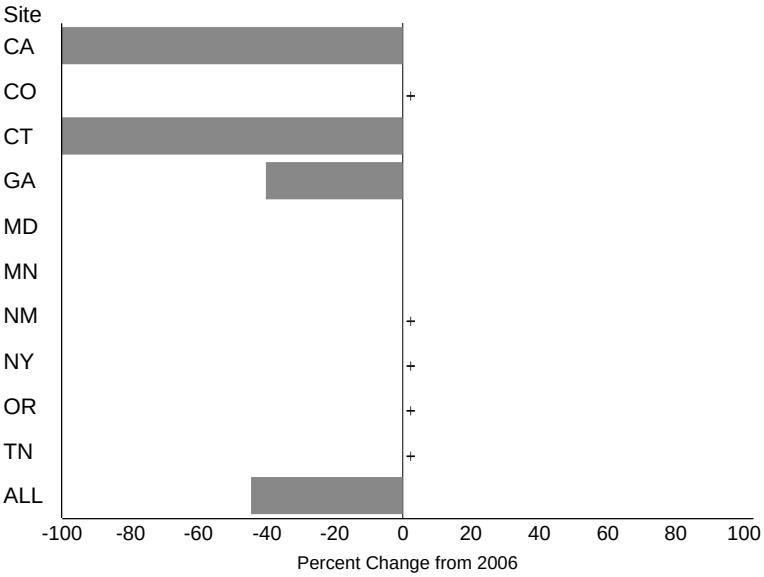
Report date: 01-June-2007

Vibrio, all species

Incidence rate of culture-confirmed infections, FoodNet sites, January 1996-March 2007



Calendar year through March: Percent change in rates between 2006 and 2007 by site

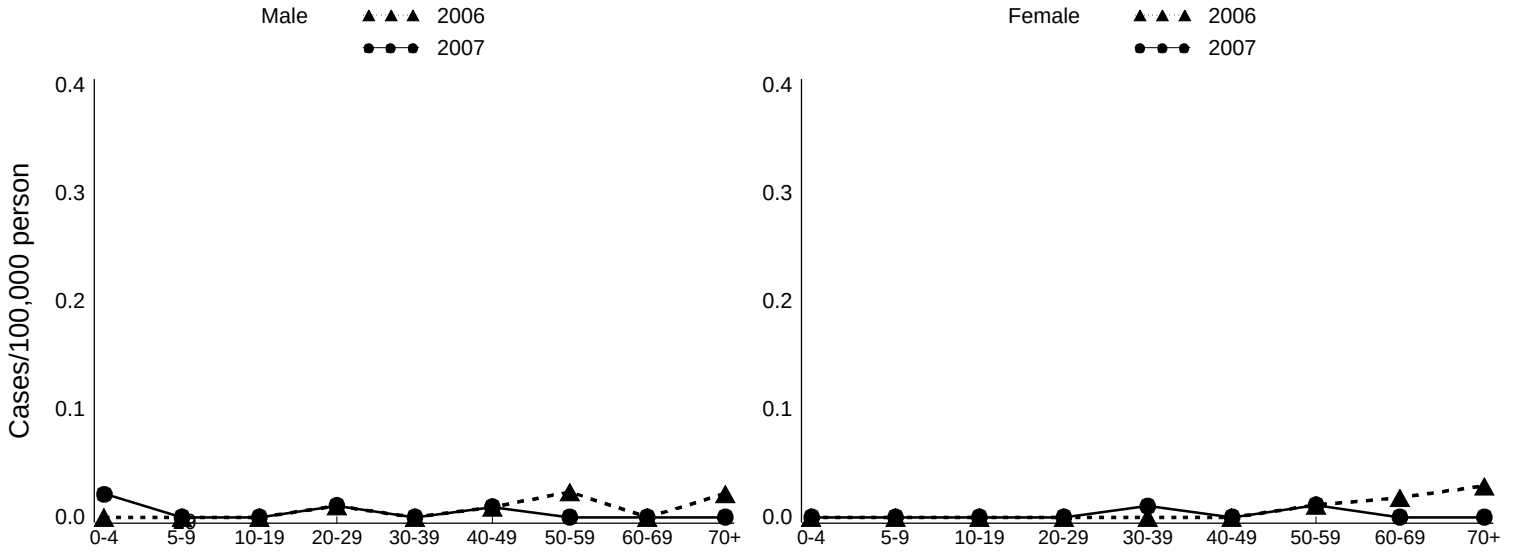


* Change exceeds 100%, +Percent increase cannot be calculated because 2006 rate is 0

	2007		2006		5 year mean*	
Site	Cases	Rate^	Cases	Rate^	Cases	Rate^
CA	0	0.000	1	0.031	1	0.037
CO	0	0.000	0	0.000	0	0.008
CT	0	0.000	1	0.028	1	0.023
GA	3	0.033	5	0.055	2	0.024
MD	1	0.018	1	0.018	1	0.022
MN	1	0.019	1	0.019	1	0.023
NM	0	0.000	0	0.000	0	0.000
NY	0	0.000	0	0.000	1	0.022
OR	0	0.000	0	0.000	0	0.011
TN	0	0.000	0	0.000	1	0.010
ALL	5	0.011	9	0.020	9	0.020

*year 2002-2006 except for NM (2004-2006)
^cases/100,000 person

Calendar year through March: Rates for 2006 and 2007 by age group and sex

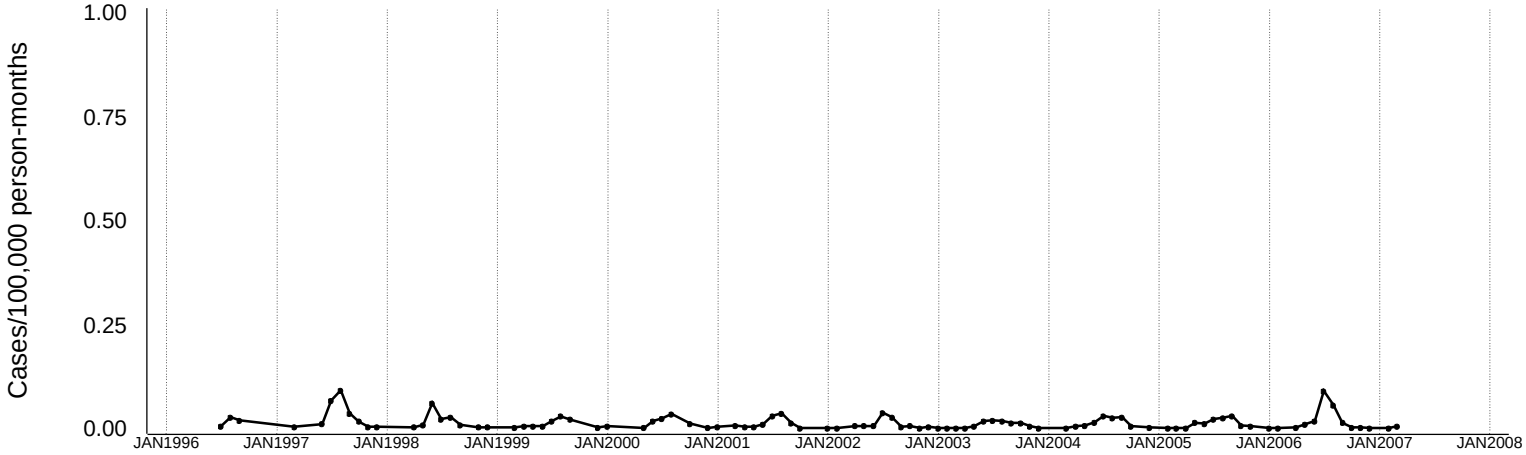


Data source: Preliminary FoodNet data, subject to change, not for public distribution.

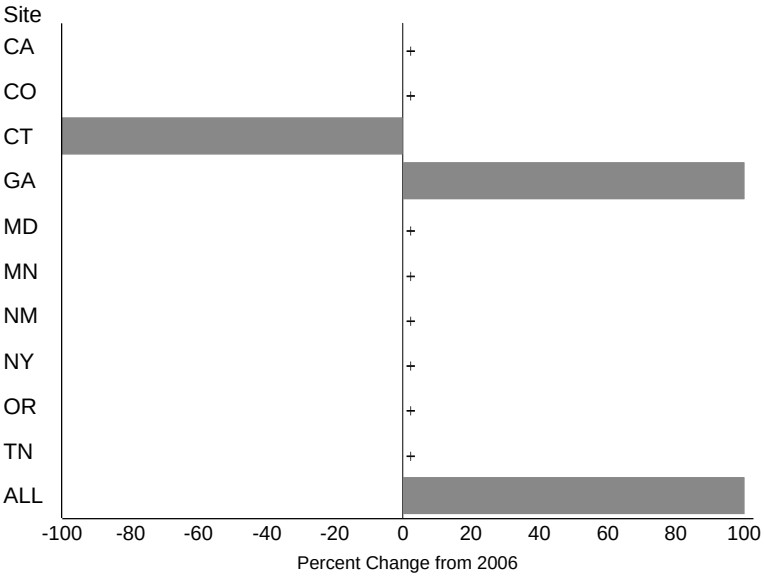
Report date: 01-June-2007

Vibrio parahaemolyticus

Incidence rate of culture-confirmed infections, FoodNet sites, January 1996-March 2007



Calendar year through March: Percent change in rates between 2006 and 2007 by site

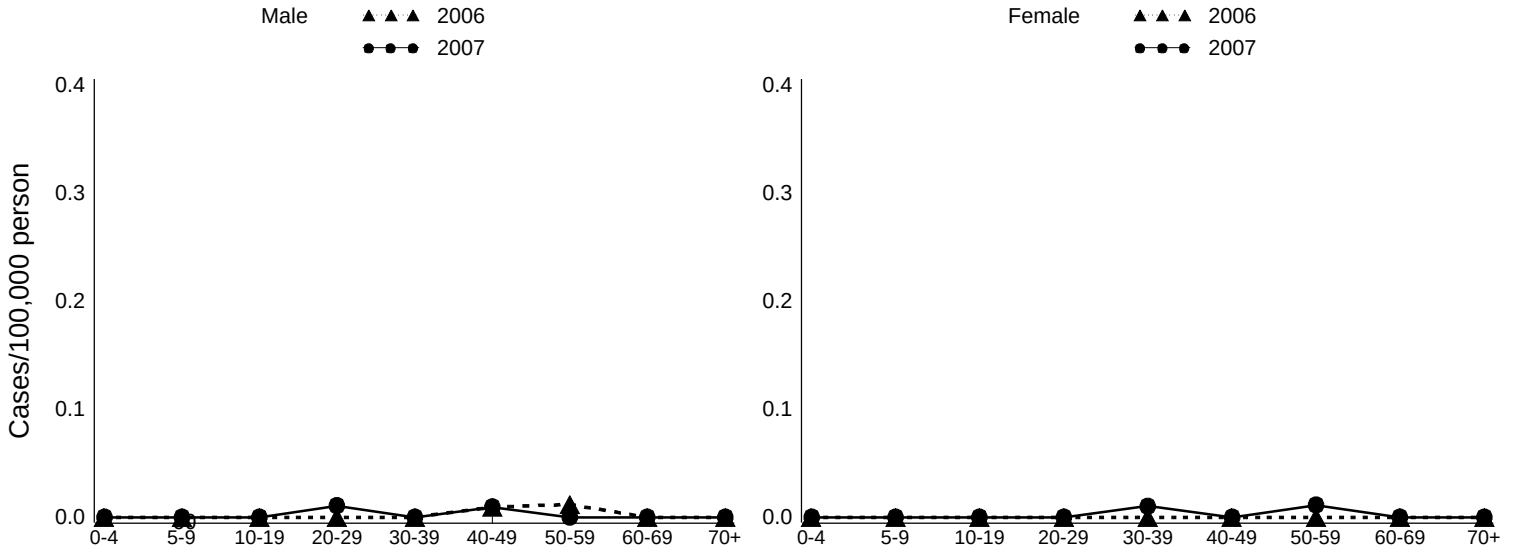


* Change exceeds 100%, +Percent increase cannot be calculated because 2006 rate is 0

	2007		2006		5 year mean*	
Site	**Cases**	**Rate^**	**Cases**	**Rate^**	**Cases**	**Rate^**
CA	0	0.000	0	0.000	0	0.012
CO	0	0.000	0	0.000	0	0.008
CT	0	0.000	1	0.028	0	0.006
GA	2	0.022	1	0.011	0	0.002
MD	1	0.018	0	0.000	0	0.007
MN	1	0.019	0	0.000	0	0.004
NM	0	0.000	0	0.000	0	0.000
NY	0	0.000	0	0.000	0	0.005
OR	0	0.000	0	0.000	0	0.006
TN	0	0.000	0	0.000	0	0.000
ALL	4	0.009	2	0.004	2	0.005

*year 2002-2006 except for NM (2004-2006)
^cases/100,000 person

Calendar year through March: Rates for 2006 and 2007 by age group and sex

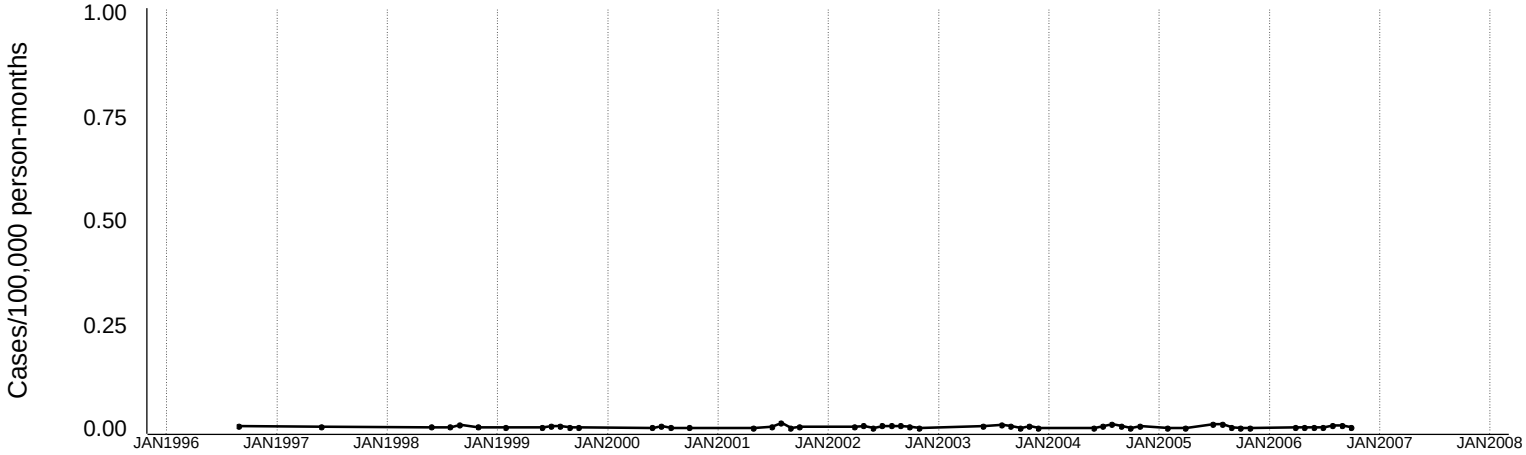


Data source: Preliminary FoodNet data, subject to change, not for public distribution.

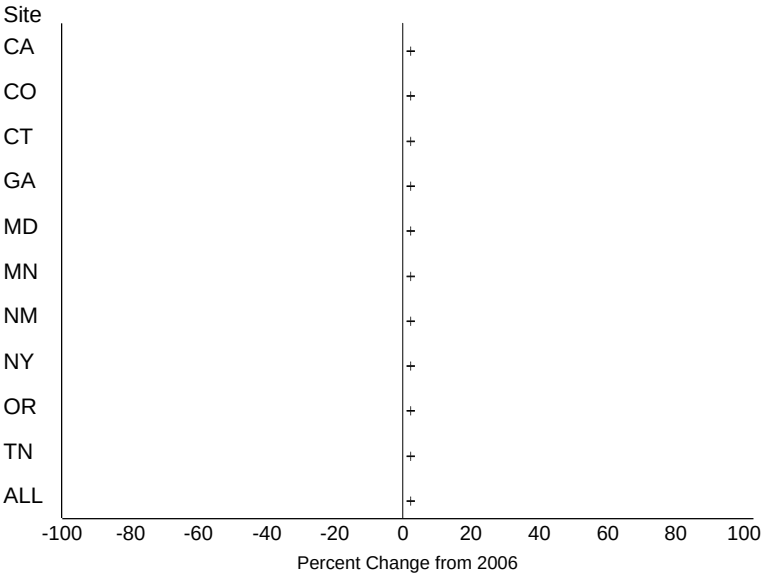
Report date: 01-June-2007

Vibrio vulnificus

Incidence rate of culture-confirmed infections, FoodNet sites, January 1996-March 2007



Calendar year through March: Percent change in rates between 2006 and 2007 by site

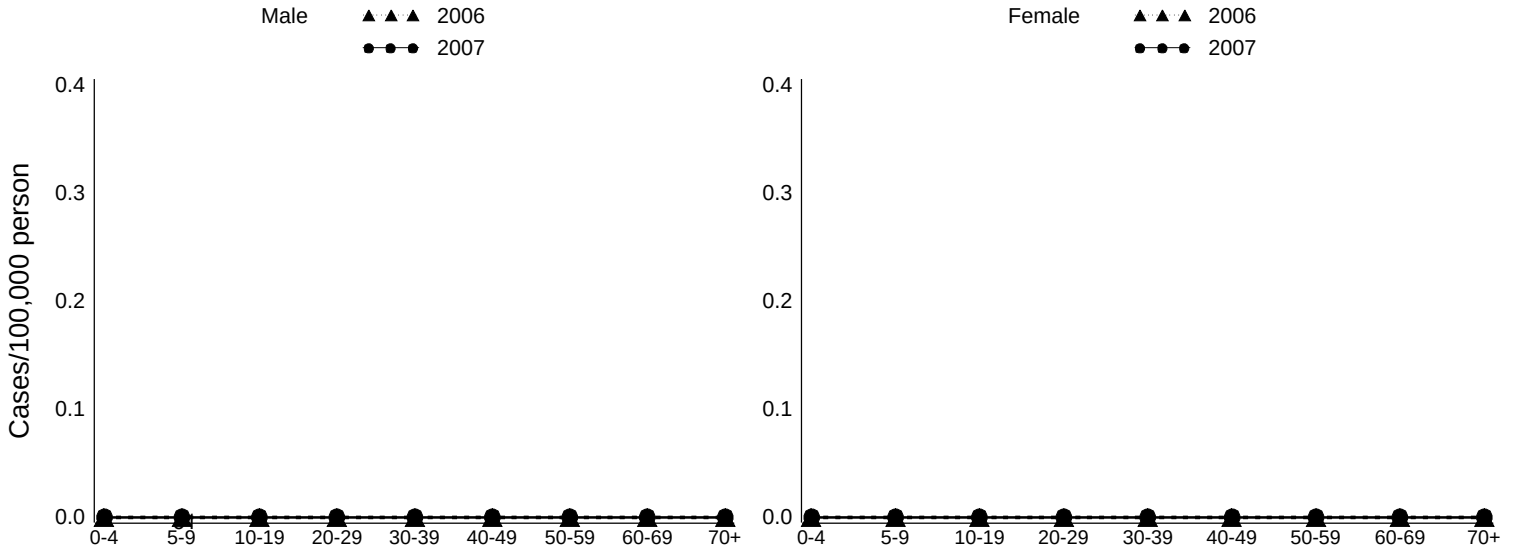


	2007		2006		5 year mean*	
Site	Cases	Rate^	Cases	Rate^	Cases	Rate^
CA	0	0.000	0	0.000	0	0.000
CO	0	0.000	0	0.000	0	0.000
CT	0	0.000	0	0.000	0	0.000
GA	0	0.000	0	0.000	0	0.000
MD	0	0.000	0	0.000	0	0.000
MN	0	0.000	0	0.000	0	0.004
NM	0	0.000	0	0.000	0	0.000
NY	0	0.000	0	0.000	0	0.000
OR	0	0.000	0	0.000	0	0.000
TN	0	0.000	0	0.000	0	0.000
ALL	0	0.000	0	0.000	0	0.000

*year 2002-2006 except for NM (2004-2006)
^cases/100,000 person

* Change exceeds 100%, +Percent increase cannot be calculated because 2006 rate is 0

Calendar year through March: Rates for 2006 and 2007 by age group and sex

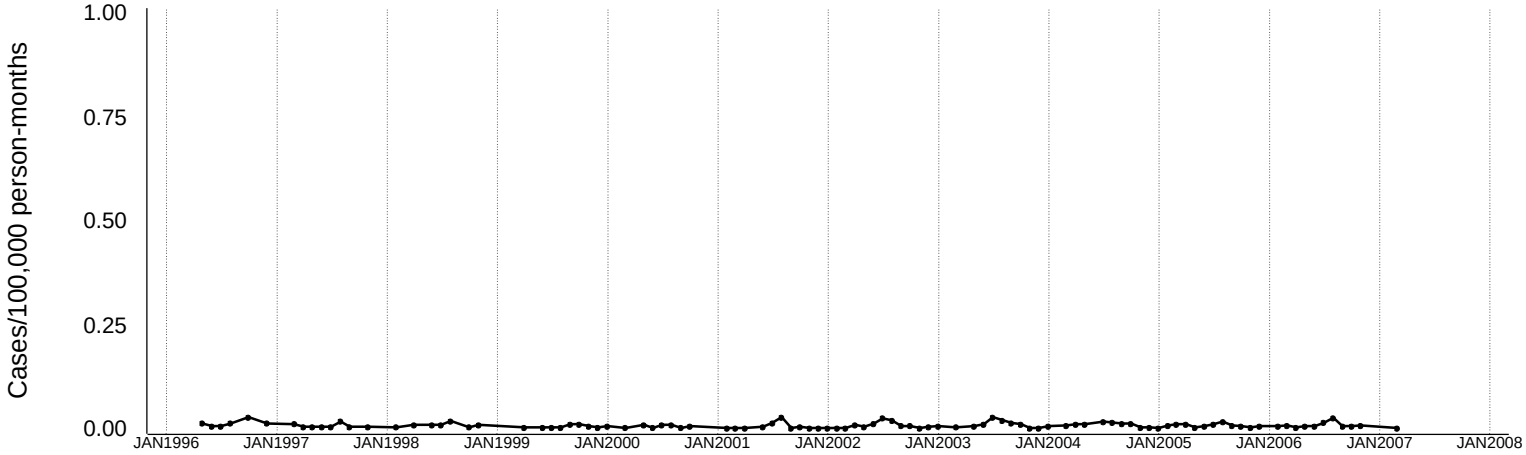


Data source: Preliminary FoodNet data, subject to change, not for public distribution.

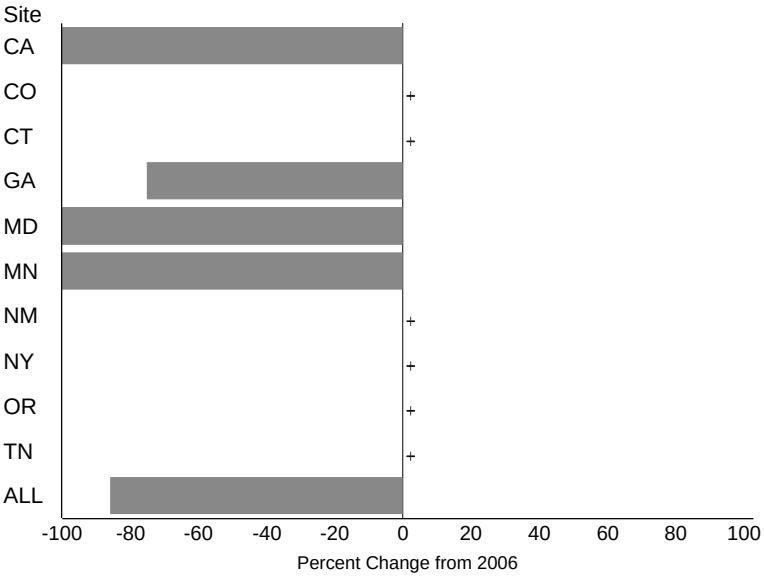
Report date: 01-June-2007

Vibrio, all others

Incidence rate of culture-confirmed infections, FoodNet sites, January 1996-March 2007



Calendar year through March: Percent change in rates between 2006 and 2007 by site

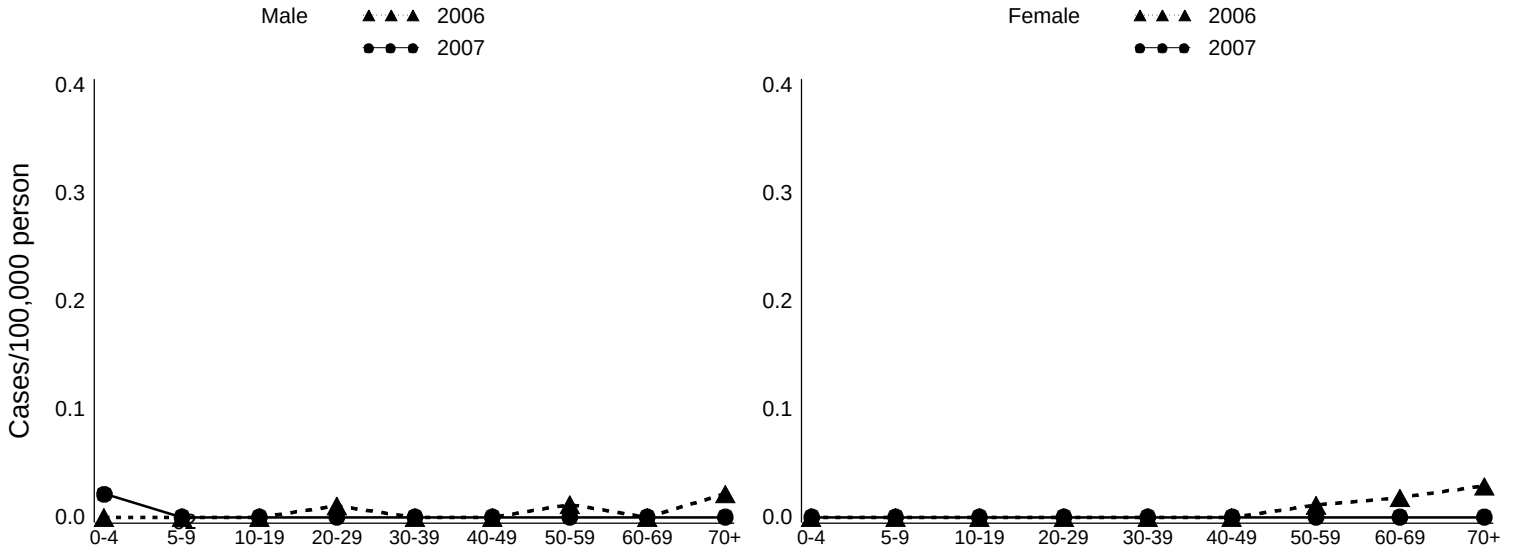


* Change exceeds 100%, +Percent increase cannot be calculated because 2006 rate is 0

	2007		2006		5 year mean*	
Site	Cases	Rate^	Cases	Rate^	Cases	Rate^
CA	0	0.000	1	0.031	1	0.025
CO	0	0.000	0	0.000	0	0.000
CT	0	0.000	0	0.000	1	0.017
GA	1	0.011	4	0.044	2	0.022
MD	0	0.000	1	0.018	1	0.014
MN	0	0.000	1	0.019	1	0.016
NM	0	0.000	0	0.000	0	0.000
NY	0	0.000	0	0.000	1	0.017
OR	0	0.000	0	0.000	0	0.006
TN	0	0.000	0	0.000	1	0.010
ALL	1	0.002	7	0.016	6	0.015

*year 2002-2006 except for NM (2004-2006)
^cases/100,000 person

Calendar year through March: Rates for 2006 and 2007 by age group and sex

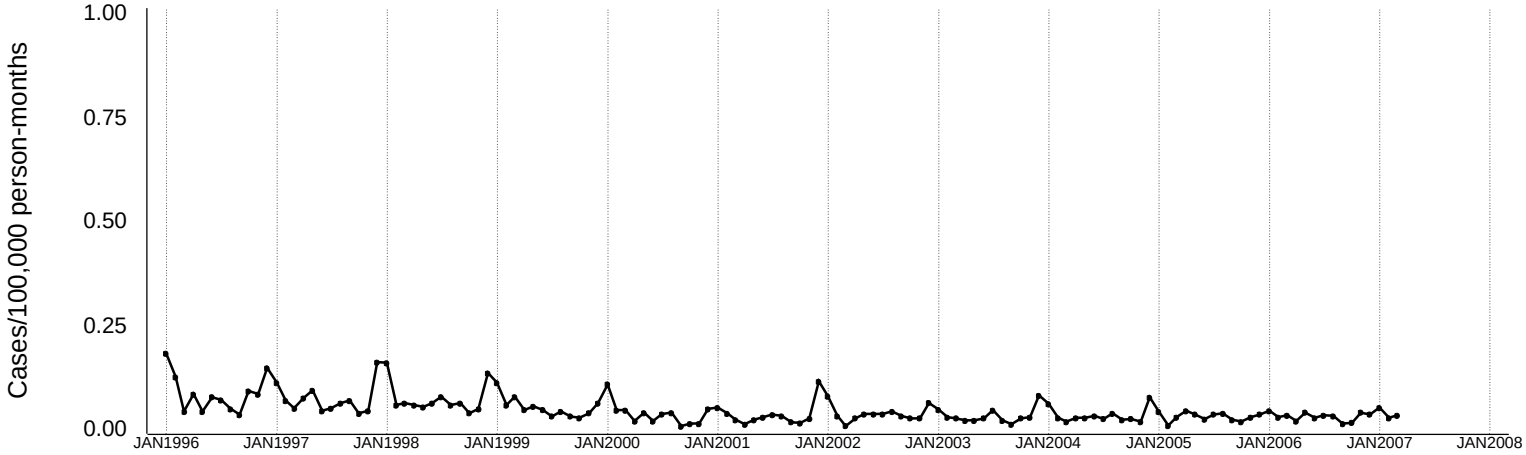


Data source: Preliminary FoodNet data, subject to change, not for public distribution.

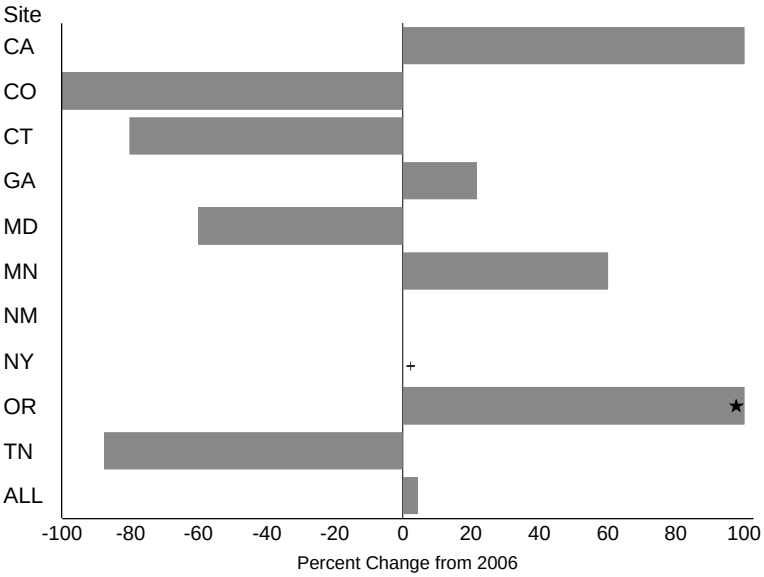
Report date: 01-June-2007

Yersinia

Incidence rate of culture-confirmed infections, FoodNet sites, January 1996-March 2007



Calendar year through March: Percent change in rates between 2006 and 2007 by site

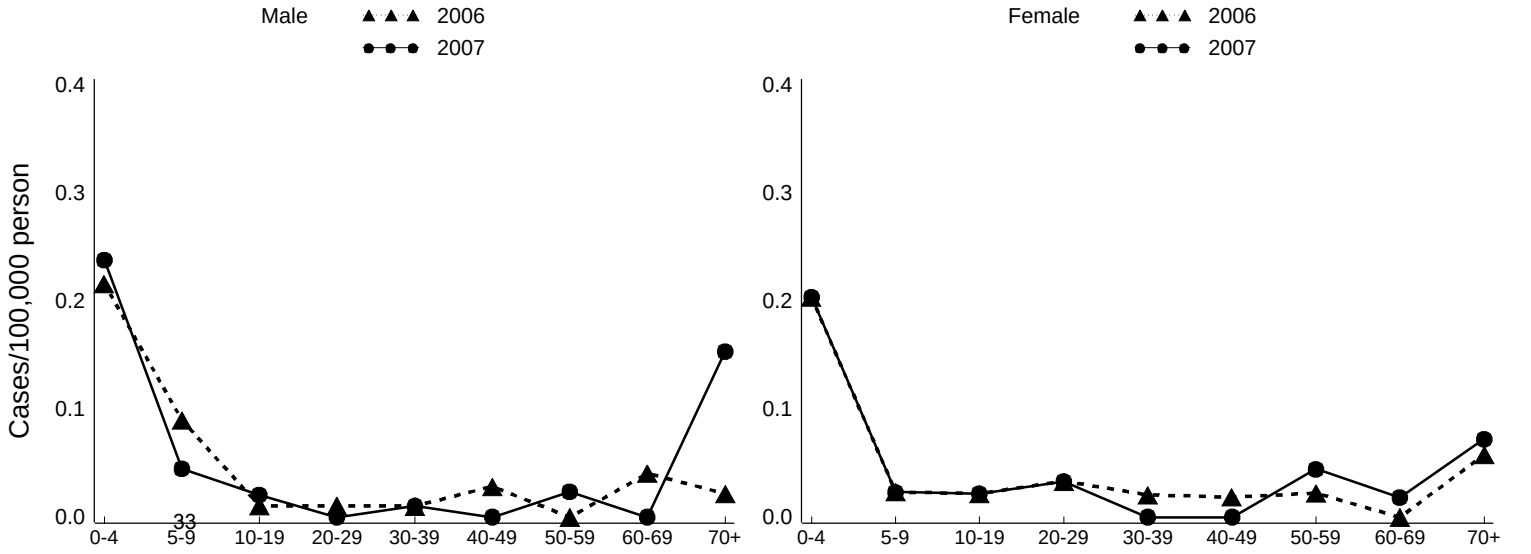


* Change exceeds 100%, +Percent increase cannot be calculated because 2006 rate is 0

	2007		2006		5 year mean*	
Site	Cases	Rate^	Cases	Rate^	Cases	Rate^
CA	6	0.187	3	0.094	5	0.168
CO	0	0.000	2	0.077	1	0.039
CT	1	0.028	5	0.142	2	0.063
GA	17	0.187	14	0.154	16	0.179
MD	2	0.036	5	0.089	3	0.047
MN	8	0.156	5	0.097	3	0.063
NM	1	0.052	1	0.052	1	0.035
NY	3	0.070	0	0.000	3	0.069
OR	11	0.302	5	0.137	4	0.105
TN	1	0.017	8	0.134	7	0.140
ALL	50	0.111	48	0.107	44	0.103

*year 2002-2006 except for NM (2004-2006)
^cases/100,000 person

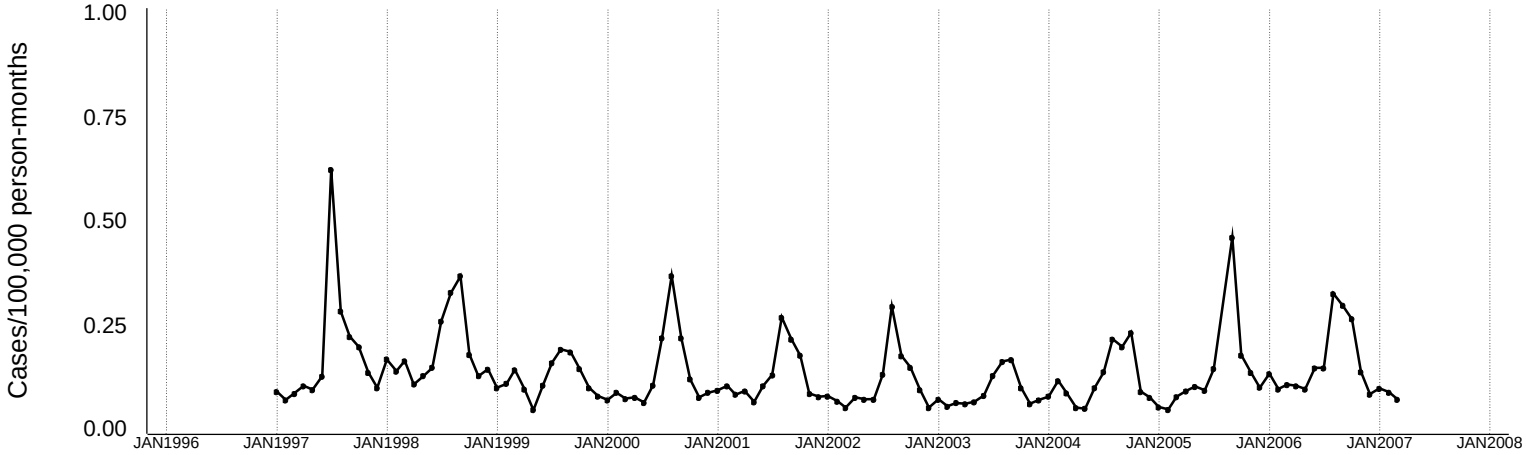
Calendar year through March: Rates for 2006 and 2007 by age group and sex



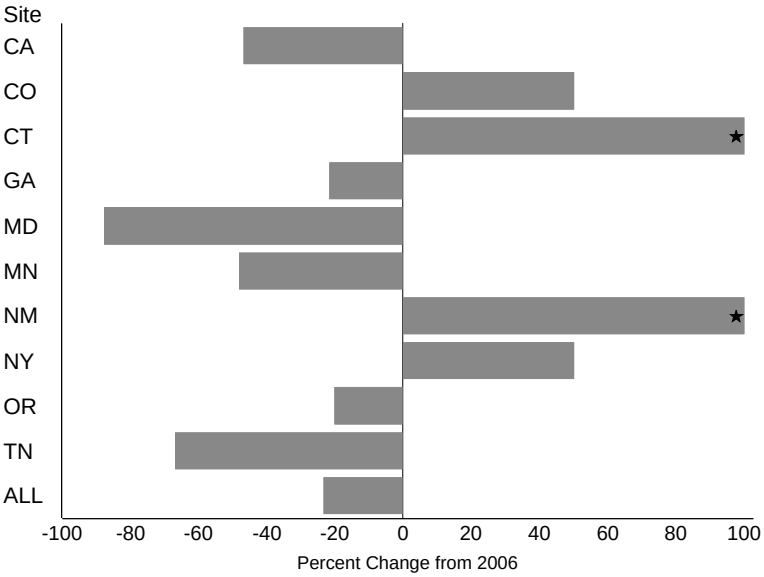
Data source: Preliminary FoodNet data, subject to change, not for public distribution. Report date: 01-June-2007

Cryptosporidium

Incidence rate of culture-confirmed infections, FoodNet sites, January 1996-March 2007



Calendar year through March: Percent change in rates between 2006 and 2007 by site

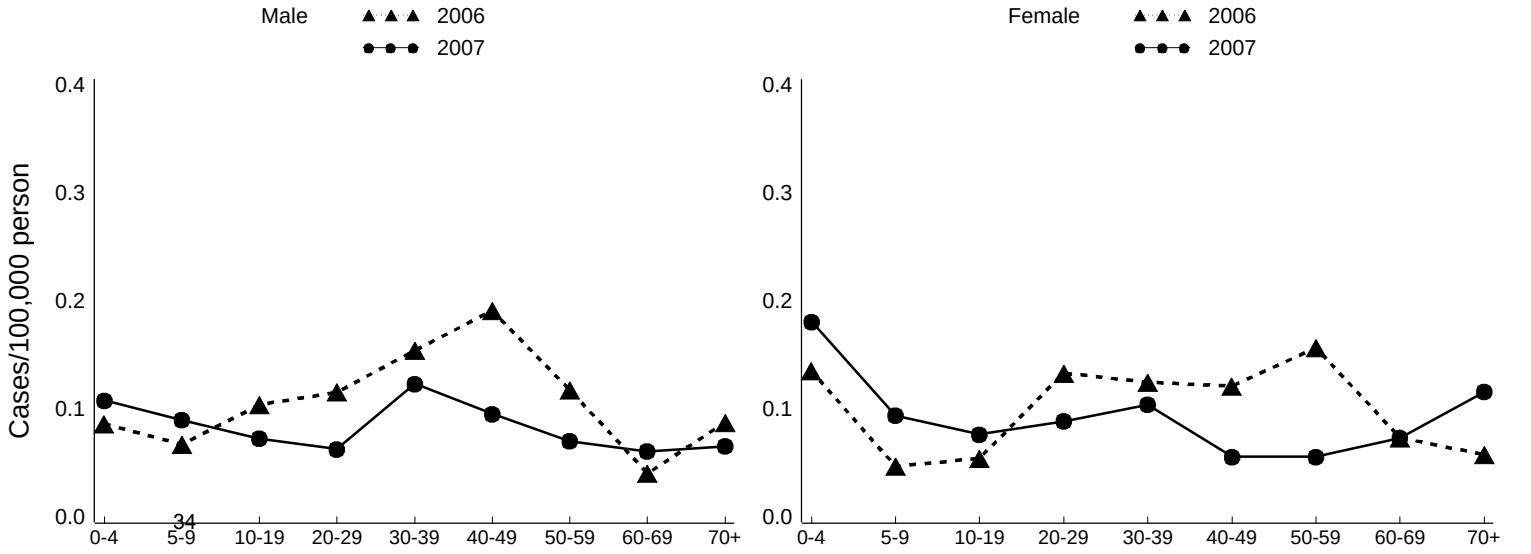


* Change exceeds 100%, +Percent increase cannot be calculated because 2006 rate is 0

	2007		2006		5 year mean*	
Site	Cases	Rate^	Cases	Rate^	Cases	Rate^
CA	8	0.250	15	0.468	12	0.319
CO	3	0.116	2	0.077	3	0.110
CT	8	0.228	4	0.114	4	0.109
GA	33	0.364	42	0.463	31	0.346
MD	1	0.018	8	0.143	4	0.079
MN	25	0.487	48	0.935	27	0.537
NM	12	0.622	3	0.156	2	0.121
NY	9	0.209	6	0.139	6	0.149
OR	16	0.439	20	0.549	9	0.261
TN	1	0.017	3	0.050	6	0.113
ALL	116	0.258	151	0.336	105	0.237

*year 2002-2006 except for NM (2004-2006)
^cases/100,000 person

Calendar year through March: Rates for 2006 and 2007 by age group and sex

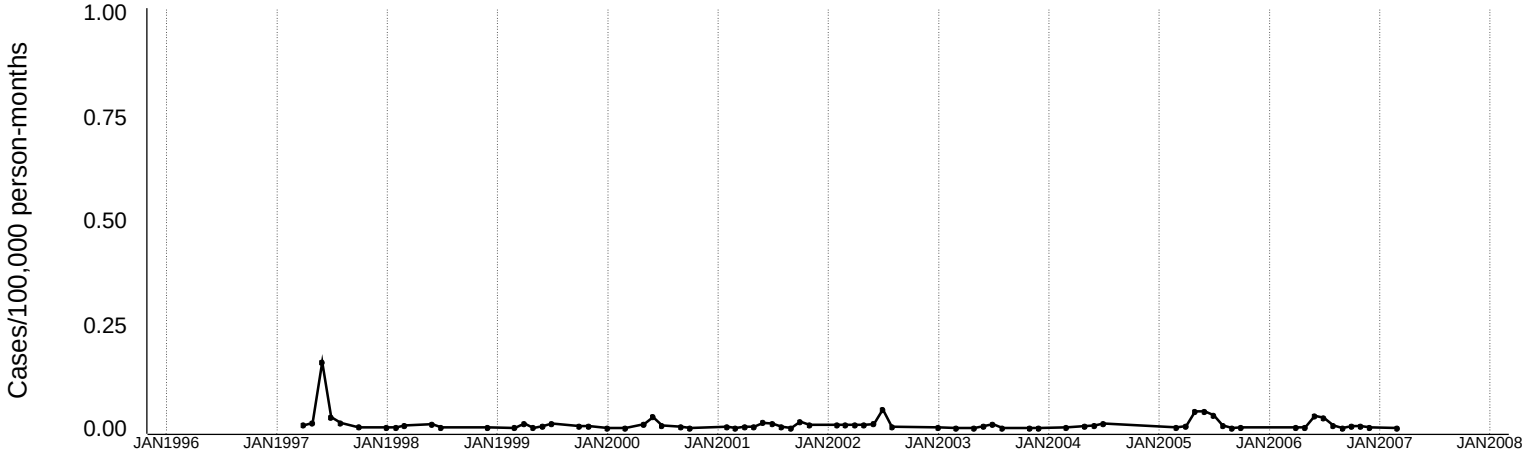


Data source: Preliminary FoodNet data, subject to change, not for public distribution.

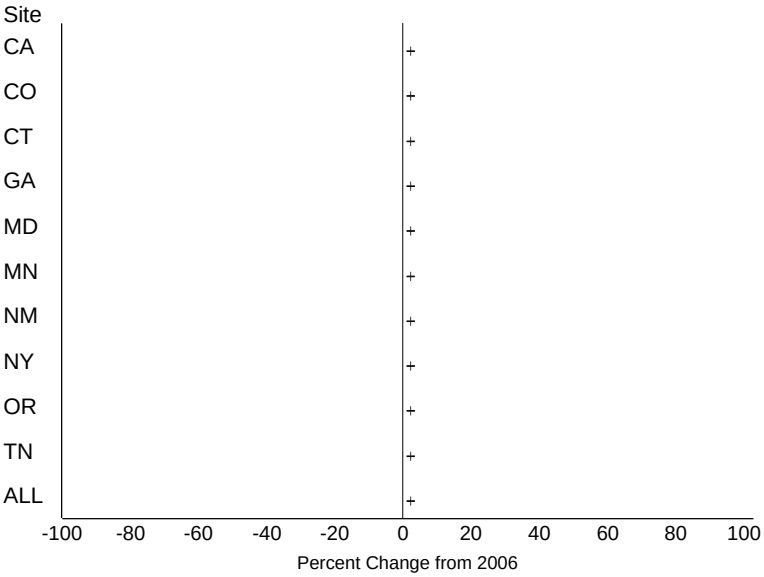
Report date: 01-June-2007

Cyclospora

Incidence rate of culture-confirmed infections, FoodNet sites, January 1996-March 2007



Calendar year through March: Percent change in rates between 2006 and 2007 by site

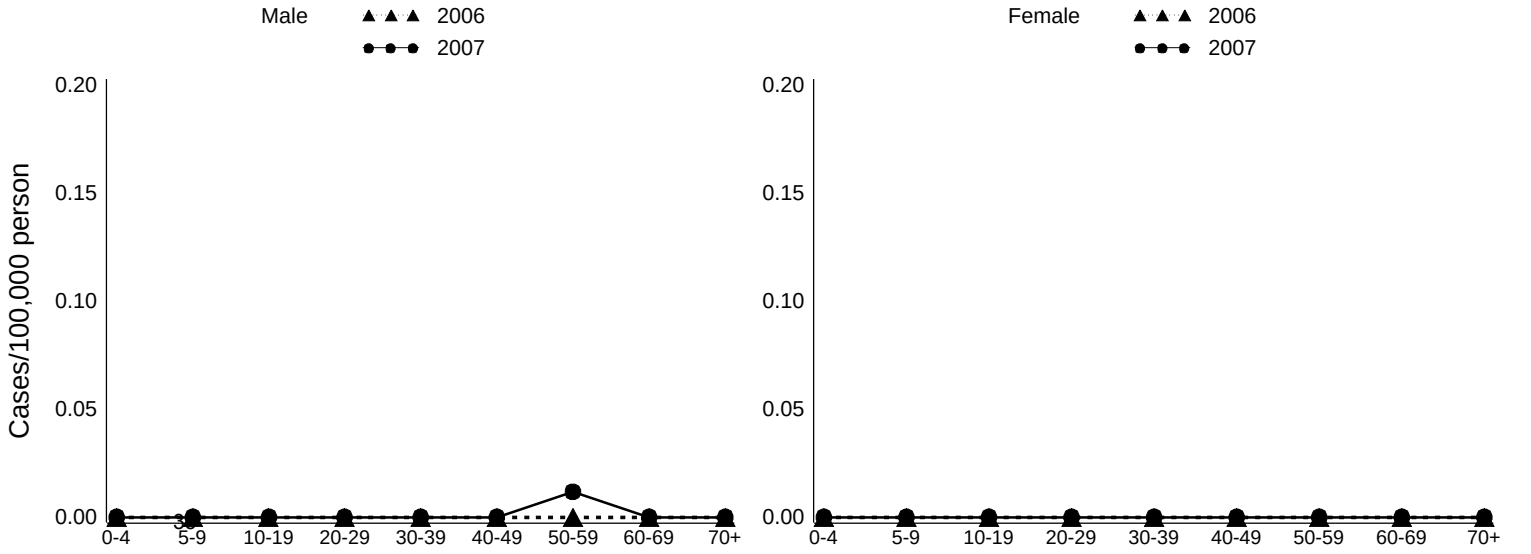


	2007		2006		5 year mean*	
Site	Cases	Rate^	Cases	Rate^	Cases	Rate^
CA	0	0.000	0	0.000	0	0.007
CO	0	0.000	0	0.000	0	0.008
CT	1	0.028	0	0.000	0	0.006
GA	0	0.000	0	0.000	2	0.021
MD	0	0.000	0	0.000	0	0.007
MN	0	0.000	0	0.000	0	0.000
NM	0	0.000	0	0.000	0	0.000
NY	0	0.000	0	0.000	0	0.000
OR	0	0.000	0	0.000	0	0.000
TN	0	0.000	0	0.000	0	0.000
ALL	1	0.002	0	0.000	3	0.007

*year 2002-2006 except for NM (2004-2006)
^cases/100,000 person

* Change exceeds 100%, +Percent increase cannot be calculated because 2006 rate is 0

Calendar year through March: Rates for 2006 and 2007 by age group and sex



Data source: Preliminary FoodNet data, subject to change, not for public distribution.

Report date: 01-June-2007

Table 1. Summary of Foodborne Outbreaks with ≥ 2 ill, by FoodNet Site, 2006

(Data accessed June 8th , 2007 (eFORS 2) PRELIMINARY DATA)

	Outbreaks reported	Rate/1,000,000 population	Median Number Ill	Known Etiology* No. (%)	Etiology (confirmed and suspected)	Known Vehicle** No. (%)	Restaurant-associated*** No. (%)
CA	17	4.99	15	13 (76)	Norovirus (6), *Salmonella* (1), Chemical(1) Other Bacterial(1), *Bacillus* (1), Scrombroid (1) *V. parahaemolyticus*(1), *C. perfringens* (1)	7 (41)	10 (63)
CO	29	11.21	13	26 (90)	*Campylobacter* (3) ,Norovirus (18) *Salmonella* (2), Scrombroid (2), *Staph. aureus* (1)	13 (45)	15 (52)
CT	19	5.41	15	18 (95)	Norovirus (12), *C. perfringens* (1) *Salmonella* (4), STEC O157:H7 (1)	14 (74)	12 (63)
GA	23	2.54	19	20 (87)	Norovirus (8), *Staph. aureus* (3) *Bacillus* (1), *C. perfringens* (2) *Salmonella* (4) *Cyclospora* (1) C. botulinum (1)	13 (57)	14 (61)
MD	33	5.89	11	15 (45)	*Salmonella* (4), *Staph. aureus* (1), Norovirus (9), STEC O157:H7 (1)	16 (48)	20 (61)
MN	83	16.17	15	78 (94)	*C. perfringens* (4), Norovirus (53) Scrombroid (5), Salmonella (9), STEC O157:H7 (3), *Cyclospora* (1) *Staph*. aureus(1), *Listeria* (1) *Shigella* (1)	46 (55)	64 (77)
NM	2	1.04	85	2 (100)	Norovirus (1), E. coli O157:H7 (1)	1 (50)	0 (-)
NY	25	5.80	15	21 (84)	*Salmonella* (8), Norovirus(4), *Staph. aureus* (1), STEC O157:H7 (3), *C. perfringens* (3), Scromboid toxin (1), *V.* parahaemolyticus(1),	16 (64)	15 (60)
OR	27	7.42	13	26 (96)	Norovirus (18), *Shigella sonnei* (1) *Salmonella* (3), *Listeria* (1) *V. parahaemolyticus*(1), STEC O157:H7 (1) *Campylobacter* (1)	11 (41)	16 (59)
TN	33	5.53	16	24 (72)	Norovirus (13), *Salmonella* (6) E. coli O157:H7 (2) *Staph.* aureus (1), Scrombroid (1), Bacillus cereus (1)	13 (39)	21 (66)
Total	**291**	**6.45**	**22**	**242 (83)**		**153(53)**	**187 (65)**

*Known etiology- Confirmed and suspected etiologies **Known vehicle- Any vehicle reported ***Restaurant-associated- food item was prepared in a restaurant or deli

*Known etiology- Confirmed and suspected etiologies
**Known vehicle- Any vehicle reported
***Restaurant-associated- Any outbreak where food item was prepared in a restaurant or deli

Table 2. Summary of Foodborne Outbreaks with ≥10 ill, by FoodNet Site, 2006

*** Data accessed June 8th 2007 (eFORS 2)**
*** Preliminary data**

State	Outbreaks reported	2005 population	Rate/1,000,000 population	Median Number Ill	Known Etiology* No. (%)	Known Vehicle** No. (%)	Restaurant-associated*** No. (%)
CA	10	3,206,118	3.12	22	7 (70)	4 (40)	5 (50)
CO	14	2,586,568	5.41	22	13 (93)	6 (43)	10 (71)
CT	9	3,510,297	2.56	25	8 (89)	7 (78)	6 (67)
GA	12	9,072,576	1.32	34	11 (92)	6(50)	6 (50)
MD	11	5,600,388	1.96	23	6 (55)	5 (45)	5 (45)
MN	40	5,132,799	7.79	25	38 (95)	27 (68)	26 (65)
NM	1	1,928,384	0.52	164	1 (100)	0 (-)	0 (-)
NY	14	4,307,911	3.25	22	10(71)	12 (88)	7 (50)
OR	14	3,641,056	3.85	20	14 (100)	7 (50)	9 (64)
TN	18	5,962,959	3.02	26	16 (89)	8 (44)	8 (44)
2006 Total	**143**	**44,949,056**	**3.18**	**38**	**124 (87)**	**82 (57)**	**82 (57)**

*Known etiology- Confirmed and suspected etiologies
**Known vehicle- Any vehicle reported
***Restaurant-associated- Any outbreak where food item was prepared in a restaurant or deli

Table 1. Summary of Foodborne Outbreaks with ≥ 2 ill, by FoodNet Site, 2007

(Data accessed June 8th, 2007 (eFORS 2) PRELIMINARY DATA)

State	Outbreaks reported	2005 population	Rate/1,000,000 population	Median Number Ill	Known Etiology* No. (%)	Etiology (confirmed and suspected)	Known Vehicle** No. (%)	Restaurant-associated*** No. (%)
CA	3	3,206,118	0.94	18	2 (67)	Bacillus Cerus/ Clostridium perfringens(1) *Campylobacter*(1)	1 (100)	2(67)
CO	4	2,586,568	1.55	13	3 (100)	Norovirus(3)	1 (33)	3 (75)
CT	6	3,510,297	1.71	10	5 (83)	Norovirus (4) STEC O157 (1)	4 (80)	5(83)
GA	8	9,072,576	0.88	24	6 (75)	Clostridium perfringens(2), Norovirus(3), *Salmonella*(1)	5(71)	2 (25)
MD	12	5,600,388	2.14	17	7 (58)	Norovirus(4), *Campylobacter*(1) Clostridium perfringens(1) *Salmonella*(1)	5(63)	5 (42)
MN	17	5,132,799	3.31	8	13 (77)	Hep A(2), Norovirus(5), Clostridium perfringens(1), *Salmonella*(2), STEC O157 (1)	1 (11)	11 (65)
NM	0	1,928,384	0.00	16	- (-)		- (-)	-(-)
NY	4	4,307,911	0.93	37	1(25)	Norovirus(1)	4 (100)	1 (25)
OR	6	3,641,056	1.65	14	6 (100)	Clostridium perfringens (1), Norovirus (5)	- (-)	2(33)
TN	13	5,962,959	2.18	18	13 (100)	Norovirus (9) *Salmonella*(1), Bacillus Cerus(1) Staph aureus(2)	6 (46)	10 (77)
Total	**73**	**44,949,056**	**1.62**	**18**	**56(77)**		**27 (50)**	**41 (56)**

*Known etiology- Confirmed and suspected etiologies
**Known vehicle- Any vehicle reported
***Restaurant-associated- Any outbreak where food item was prepared in a restaurant or deli

*Known etiology- Confirmed and suspected etiologies
**Known vehicle- Any vehicle reported
***Restaurant-associated- Any outbreak where food item was prepared in a restaurant or deli

Table 2. Summary of Foodborne Outbreaks with ≥10 ill, by FoodNet Site, 2007

*** Data accessed June 8th 2007 (eFORS 2)**
*** Preliminary data**

State	Outbreaks reported	2005 population	Rate/1,000,000 population	Median Number Ill	Known Etiology* No. (%)	Known Vehicle** No. (%)	Restaurant-associated*** No. (%)
CA	1	3,206,118	0.31	18	0 (-)	0 (-)	0(-)
CO	2	2,586,568	0.77	13	2 (100)	2 (100)	1 (50)
CT	2	3,510,297	0.57	10	2 (100)	2 (100)	2 (100)
GA	4	9,072,576	0.44	24	3 (75)	3(75)	0 (-)
MD	5	5,600,388	0.89	17	3 (60)	3 (60)	2(40)
MN	5	5,132,799	0.97	8	4 (80)	0 (-)	2 (40)
NM	-	1,928,384	-	-	- (-)	0 (-)	-(-)
NY	3	4,307,911	0.70	16	1 (33	3 (100)	1 (33)
OR	5	3,641,056	1.37	37	5(100)	0 (-)	1 (20)
TN	7	5,962,959	1.17	14	7 (100)	3 (43)	4 (57)
2006 Total	**34**	**44,949,056**	**0.76**	**16**	**27(79)**	**16 (47)**	**13 (38)**

*Known etiology- Confirmed and suspected etiologies
**Known vehicle- Any vehicle reported
***Restaurant-associated- Any outbreak where food item was prepared in a restaurant or deli

HUS Surveillance, 2007 Table A

as of 6/1/07

	All cases (N=20)												In catchment (N=18)											
	<1 yo		1-4 yo		5-9 yo		10-14 yo		15-59 yo		60+ yo		<1 yo		1-4 yo		5-9 yo		10-14 yo		15-59 yo		60+ yo	
Site	No.	Deaths (%)	No.	Deaths (%)	No.	Deaths (%)	No.	Deaths (%)	No.	Deaths (%)	No.	Deaths (%)	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*
CA	3	0 (0)	1	0 (0)	0	--	0	--	0	--	0	--	2	4.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
CO	0	--	0	--	0	--	0	--	0	--	0	--	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
CT	0	--	0	--	0	--	1	0 (0)	0	--	0	--	0	0.0	0	0.0	0	0.0	1	0.4	0	0.0	0	0.0
GA	0	--	0	--	0	--	1	0 (0)	0	--	0	--	0	0.0	0	0.0	0	0.0	1	0.2	0	0.0	0	0.0
MD	0	--	0	--	0	--	0	--	0	--	0	--	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
MN	0	--	0	--	1	0 (0)	0	--	0	--	1	0 (0)	0	0.0	0	0.0	1	0.3	0	0.0	0	0.0	1	0.1
NM	0	--	0	--	0	--	0	--	0	--	0	--	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
NY	2	0 (0)	0	--	0	--	0	--	0	--	2	0 (0)	2	4.3	0	0.0	0	0.0	0	0.0	0	0.0	2	0.2
OR	0	--	4	0 (0)	0	--	0	--	1	0 (0)	0	--	0	0.0	4	2.2	0	0.0	0	0.0	1	0.0	0	0.0
TN	0	--	3	0 (0)	0	--	0	--	0	--	0	--	0	0.0	3	1.0	0	0.0	0	0.0	0	0.0	0	0.0
Total	**5**	**0 (0)**	**8**	**0 (0)**	**1**	**0 (0)**	**2**	**0 (0)**	**1**	**0 (0)**	**3**	**0 (0)**	**4**	0.66	**7**	0.29	**1**	0.03	**2**	0.06	**1**	0.00	**3**	0.04

*per 100,000 persons

Results of microbiologic testing for STEC infection among HUS cases, 2007

as of 6/1/07

	Site										
	CA	CO	CT	GA	MD	MN	NM	NY	OR	TN	**TOTAL**
	# %	# %	# %	# %	# %	# %	# %	# %	# %	# %	**# %**
Diarrhea in 3 weeks before HUS diag./ Total patients	3/4 (75)	0/0 --	1/1 (100)	1/1 (100)	0/0 --	2/2 (100)	0/0 --	4/4 (100)	5/5 (100)	3/3 (100)	**19/20** (95)
Stool specimen obtained/ Patients with diarrhea	3/3 (100)	0/0 --	1/1 (100)	1/1 (100)	0/0 --	2/2 (100)	0/0 --	4/4 (100)	1/5 (20)	3/3 (100)	**15/19** (79)
E. coli O157 Isolation											
Stool cultured for E. coli O157/ Patients with stool specimens obtained	3/3 (100)	0/0 --	1/1 (100)	1/1 (100)	0/0 --	2/2 (100)	0/0 --	4/4 (100)	1/1 (100)	3/3 (100)	**15/15** (100)
E. coli O157 isolated from stool/ Patients with stool cultured for O157	1/3 (33)	0/0 --	1/1 (100)	1/1 (100)	0/0 --	0/2 (0)	0/0 --	2/4 (50)	1/1 (100)	1/3 (33)	**7/15** (47)
Shiga toxin + Questions											
Stool tested for Shiga toxin/ Patients with stool specimen obtained	2/3 (67)	0/0 --	0/1 (0)	1/1 (100)	0/0 --	2/2 (100)	0/0 --	2/4 (50)	0/1 (0)	1/3 (33)	**8/15** (53)
Stool Shiga toxin-positive/ Patients with stool tested for Shiga toxin	1/2 (50)	0/0 --	0/0 --	1/1 (100)	0/0 --	0/2 (0)	0/0 --	0/2 (0)	0/0 --	0/1 (0)	**2/8** (25)
Non-O157 Isolation											
Stool tested for non-O157 STEC/ Patients with stool tested for Shiga toxin	0/2 (0)	0/0 --	0/0 --	1/1 (100)	0/0 --	0/2 (0)	0/0 --	2/2 (100)	0/0 --	0/1 (0)	**3/8** (38)
Non-O157* STEC isolated from stool/ Stool tested for non-O157 STEC	0/0 --	0/0 --	0/0 --	0/1 (0)	0/0 --	0/0 --	0/0 --	0/2 (0)	0/0 --	0/0 --	**0/3** (0)
Serum											
Serum Tested/ Serum Collected	3/3 (100)	0/0 --	0/0 --	0/0 --	0/0 --	1/1 (100)	0/0 --	0/0 --	0/0 --	0/0 --	**4/4** (100)
O157/Tested	0/3 (0)	0/0 --	0/0 --	0/0 --	0/0 --	1/1 (100)	0/0 --	0/0 --	0/0 --	0/0 --	**1/4** (25)
Non-O157**/Tested	0/3 (0)	0/0 --	0/0 --	0/0 --	0/0 --	0/1 (0)	0/0 --	0/0 --	0/0 --	0/0 --	**0/4** (0)
Total Stool											
O157, non-O157 STEC, Shiga toxin +/ Total stool specimens tested	4/4 (100)	0/0 --	1/1 (100)	1/1 (100)	0/0 --	2/2 (100)	0/0 --	4/4 (100)	1/1 (100)	3/3 (100)	**16/16** (100)