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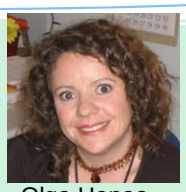

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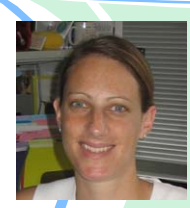

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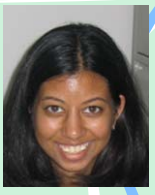

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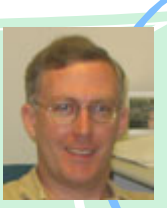

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FoodNet Task (July 2005)

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Exceptions reports	Cherie Long/Ida Rosenblum
HUS Surveillance	
Data transmission/Data close-out	Liane Ong/Cherie Long
Outbreaks	
OB Supplemental Forms-Data Entry	Katie Fullerton
Monitor new OB Variables	Katie Fullerton/Cherie Long
Linking	Kathryn Teates/New Epidemiologist
Working Groups	
Campylobacter WG	
Co-ord. laboratory survey and WG	Linda Demma
Co-ord. grocery store survey and WG	Jennifer Nelson
HUS/O157 WG	Linda Demma/Liane Ong
Outbreak/Norovirus WG	Katie Fullerton/Linda Demma
Burden WG	Elaine Scallan/Olga Henao
Population Survey	Olga Henao/Elaine Scallan
Trends WG	Olga Henao/Cherie Long
Attribution WG	Elaine Scallan/Liane Ong
Case-control studies	Katie Fullerton
Interventions WG	Heather Blair-Brake/Jennifer Nelson
Antimicrobial resistance WG	NARMS/Kathryn Teates
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Administrative	Elaine Scallan/Jennifer Nelson/Nadine Oosmanally

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	E-mail	Phone	Attributions	Burden of Illness	Validation	Population Survey	Trends in Burden	Interventions	HUS/O157	Outbreak/Norovirus	Infant Caco	Int'l Collaboration	Antibiotic Resistance	Campy -- GSS	Campy -- Lab Survey	Salmonella Javiana	STEC/non-O157	Yersinia	FN Coordinators	FN Steering
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Nikki Maxwell	ddq6@cdc.gov	404-371-5969										■								
Olga Henao	dot8@cdc.gov	404-371-5318	■		■	■					■					■				■
Patricia Fields	pif1@cdc.gov	404-639-1748	■																	
Patricia Griffin	pmg1@cdc.gov	404-639-3384							■	■										■
Rachel Woodruff	zex5@cdc.gov	404-639-1547								■										
Richard Skibicki	rts9@cdc.gov	404-639-2209																		■
Richard Williams	bul1@cdc.gov	404-639-2205								■										
Robert Pinner	rwp1@cdc.gov	404-371-5454																		■
Robert Tauxe	rvt1@cdc.gov	404-639-2206						■												■
Shukho Kim	ssk9@cdc.gov																			■
Stacy Holzbauer	cyi3@cdc.gov	404-371-5334						■												■
Stephanie DeLong	snd7@cdc.gov	404-371-5433										■								
Timothy Barrett	tjb1@cdc.gov	404-639-4185																		■

	E-mail	Phone	Attributions	Burden of Illness	Validation	Population Survey	Trends in Burden	Interventions	HUS/O157	Outbreak/Norovirus	Infant Caco	Int'l Collaboration	Antibiotic Resistance	Campy -- GSS	Campy -- Lab Survey	Salmonella Javiana	STEC/non-O157	Yersinia	FN Coordinators	FN Steering
Tom Chiller	tnc3@cdc.gov	404-371-5406											■	■						
Vincent Radke	ver2@cdc.gov	770-488-4136								■				■						■
Yin Zhang	yaz9@cdc.gov	404-371-5403																		■
Susan Katz	sbk6@cdc.gov	404-371-5400						■												
Texas																				
Dennis Perrotta	dennis.perrotta@tdh.state.tx.us																			■
Jeff Taylor	jeff.taylor@tdh.state.tx.us																			■
Linda Gaul	linda.gaul@tdh.state.tx.us															■			■	■
Matt Richardson	Matthew.Richardson@dshs.state.tx.us															■			■	■
International																				
Anja Hauri	a.hauri@suah-ldk.hessen.de														■					
Charmaine Gauci	charmaine.gauci@gov.mt														■					
Chris Pope	chris.pope@esr.cri.nz														■					
Derval Igoe	derval.igoe@ndsc.ie											■								
Gail Greening	gail.greening@esr.cri.nz														■					
Gill Hall	gillian.hall@anu.edu											■								
James Flint	flintjam@carec.paho.org											■								
Jane Raupach	jane.raupach@dhs.sa.gov.au											■								
Leslie Daly	leslie.daly@ucd.ie											■								
Margaret Fitzgerald	drmarge.fitzgerald@erha.ie											■								
Martyn Kirk	martyn.kirk@health.gov.au											■			■					
Naomi Boxall	naomi.boxall@esr.cri.nz														■					
Rennie D'Souza	rennie.dsouza@anu.edu.au											■								
Richard Alexander	ralexand@hsd.co.contra-costa.ca.us													■						
Rosie Ashbolt	rosie.ashbolt@dchs.tas.gov.au											■								
W van Pelt	w.van.pelt@rivm.nl														■					
Canada																				
Angela Cook	angela_cook@hc-sc.gc.ca													■						
Barbara Marshall	barbara_marshall@phac-aspc.gc.ca													■						
Brent Avery	brent_avery@hc-sc.gc.ca													■						
David Leger	david_leger@hc-sc.gc.ca													■						

	E-mail	Phone	Attributions	Burden of Illness	Validation	Population Survey	Trends in Burden	Interventions	HUS/O157	Outbreak/Norovirus	Infant Caco	Int'l Collaboration	Antibiotic Resistance	Campy -- GSS	Campy -- Lab Survey	Salmonella Javiana	STEC/non-O157	Yersinia	FN Coordinators	FN Steering
Frank Pollari	frank_pollari@hc-sc.gc.ca													■	■					
Katarina Pintar	katarina_pintar@phac-aspc.gc.ca													■						
Kathryn Dore	kathryn_dore@hc-sc.gc.ca											■			■					
Leah Budd	leah_budd@hc-sc.gc.ca											■								
Nicol Janecko	njanecko@ovc.uoguelph.ca														■					
Paul Sockett	paul_sockett@hc-sc.ga.ca											■								
Rebecca Irwin	rebecca_irwin@hc-sc.gc.ca													■						
Shannon Majowicz	shannon_majowicz@phac-aspc.gc.ca											■		■	■					
Sheryl Gow	sheryl_gow@hc-sc.gc.ca													■						

Oosmanally, Nadine

From: Nelson, Jennifer M NCID
Sent: Thursday, August 04, 2005 10:11 AM
To: Oosmanally, Nadine
Subject: FW: Baytril-Final Decision

-----Original Message-----
From: Tauxe, Robert V.
Sent: Thursday, July 28, 2005 2:12 PM
Subject: FW: Baytril-Final Decision

This is Big, Big, BIG!! FDA has acted today to formally withdraw approval of ciprofloxacin-like drugs from poultry. This is the first time in approximately 35 years that an animal drug approval has been withdrawn on the gorunds of its impact on public health. (The last time was the steroid Di-ethyl stilbestrol) It reflects a lot of very solid science by CDC, state health departments and many others in the US and abroad, courageous and sustained regulatory effort by the FDA, and the help of innumerable partners. Congratulations to all of you and us!

Robert Tauxe, M.D, M.P.H.
Chief, Foodborne and Diarrheal Diseases Branch Division of Bacterial and Mycotic Diseases, NCID, CCID, CDC Mailstop A-38, CDC, Atlanta, Georgia 30333

-----Original Message-----
From: Angulo, Fred
Sent: Thursday, July 28, 2005 12:34 PM
To: Weber, J. Todd; Tauxe, Robert V.; Griffin, Patricia M.; Chiller, Tom; Holzbauer, Stacy; Bair-Brake, Heather; Nelson, Jennifer M NCID; Medalla, Felicita; Gay, Katie; Barrett, Timothy J.; Whichard, Jean
Cc: Angulo, Fred
Subject: FW: Baytril-Final Decision

Lester Crawford, the newly confirmed FDA Commissioner, today announced his decision on FDA-CVM's October 31, 2000 proposal to withdrawal the approval of enrofloxacin use in chickens and turkeys in the United States. Dr Crawford concluded, in his 120 page decision that was posted on the FDA website today (link below), that:

"Enrofloxacin has not been shown to be safe for use in poultry under conditions of use upon the basis of which the application was approved within the meaning of the Federal Drug and Cosmetic Act

Based on the foregoing discussion, findings, and conclusions, I affirm the Administrative Law Judge's Initial Decision as correct and supplemented by this Final Decision"

In other words, FDA wins the case (five years and many man-years of profession effort later)...Bayer must discontinue selling enrofloxacin for use in chickens and turkeys in the US; effective immediately. Bayer will likely take to US Federal Court of Appeals, but they can not market the drug during the appeal process.

www.fda.gov/oc/antimicrobial/baytril.pdf

Recommendations from the case-control study methodology working group

1. Analytic studies of sporadic disease provide useful data to food attribution and should be continued in the FoodNet sites.

2. The target population is primarily the FoodNet population and, if possible, the results should be generalizable to the United States.

3. The estimate of effects from the analytic studies should be causal.

4. The research question is, "what proportion of disease is attributable to food commodities (e.g. pork, beef, and dairy), accounting for exposure to travel, animals, and person-to-person transmission, for the most common bacterial pathogens in FoodNet surveillance (i.e. *Campylobacter*, *Salmonella*, and *E. coli* O157)?". Studies should be repeated periodically to estimate changes in the causal proportions as an estimate of the efficacy of food safety intervention.

5. FoodNet represents a well defined population (study base) and therefore the case-control method should be used to estimate disease incidence and rate ratios for food exposures.

6. Control selection should represent the population that gives rise to the cases. Therefore, the use of the controls identified through the population survey contractor, similar to the previous *S.* Enteritidis/S. Newport case-control study, represents an appropriate control group. This method should be used in future FoodNet case-control studies.

7. Exposure assessment should be standard across pathogen specific case-controls studies and with categorization of food vehicles similar to summary analysis of outbreak investigations (e.g. *Emerg Infect Dis*.2005; 11(7):993-9).

8. Validation studies of potential sources of bias should be conducted. Sources of bias include case and control ascertainment and exposure assessment. Bias in FoodNet case-control study method should be quantified and presented using the methods of Maldonado *et al*.

9. Case-crossover method represents a unique target population of persons who would be laboratory-confirmed cases rather the general population. Therefore, although the method could be incorporated into a case-control study design, it would not validate the results.

10. Integrated analyses of sporadic case-control studies and outbreak data (blending) should continue as part of the attribution working group. Data should be integrated at the level of the individual study (micro blending) and over multiple case-control studies of sporadic disease and multiple years of outbreak data (macro-blending). *E. coli* O157 is the first target pathogen for blending analysis.

Ideal Complaint System Decision Grid

#	Item collected	Examples	Justification	Level of Importance	Comments / Concerns
1	Name and contact info on person collecting the complaint **and/or** source of information	Agency, environmentalist, department, receptionist, email, phone, fax	In order to clarify any data collection entry	High	
2	Complainant(s) Name		To follow-up contact	High	Should remain confidential
3	Complainant(s) contact info	Telephone Home address E-mail		High	Contact info to be stripped from responses-coded for confidentiality
4	Complainant(s) Age			Moderate	
5	Complainant(s) Race		Some allergens or intolerances are more prevalent for certain races.	Moderate	
6	Complainant(s) Gender		Some pathogens may be of more concern based on the person's gender.	Moderate	
7	Complainant(s) occupation	Complainant with diarrhea works in fast food restaurant in another town and has continued to work since becoming ill. The health dept. in that jurisdiction would need to be alerted so they could impose proper restrictions or exclusion, determine which ready to eat foods that person prepared that are still available for sale, see if other workers are also ill, etc.	Occupation -- could help identify trends in food consumption on a particular day or special event, etc. - Should be followed up on so as not to continue spreading the disease or cause an outbreak.	Moderate	
8	Name of suspect food(s) and date, time, location consumed	Typically the last meal before onset as reported by complainant. Basic food as stated on menu with special requests also included. (e.g. hamburger with no onion but add cheese.)	Ill persons perception of food that caused illness Date/Time = epi curve/outbreak scenario Location =	High	Menu items and special requests to these items as best described by caller should be documented. Specific ingredients may be identified during investigation.
9	72 hour food history to include food(s) and drink(s) consumed and date, time, location consumed	Past 3 days of ALL meals consumed. This includes both home prepared and restaurant/food service meals.	Link common locations where complainants consumed food to better identify locations responsible for FB illness.	High	72 hours history is adequate for initial complaint. Additional history may be warranted during an outbreak investigation.
10	Illness onset date and time,		Case definition and epi curve information. (also to help identify an outbreak - by helping	High	

Ideal Complaint System Decision Grid

#	Item collected	Examples	Justification	Level of Importance	Comments / Concerns
			link locations from the food history data)		
11	Duration of illness		Better identify foodborne illness	High	
12	Symptoms		Helps to fit illness to a case definition of an outbreak illness (to identify an outbreak)	High	
13	Health Care or Hospital visited/stayed with physician contact information, time of visit and/or duration of stay			High	
14	Clinical specimens taken	Specimens provided to HC provider.	Confirms case definition	High	
15	Specimen request* or reminder	"Would you be willing to provide a stool sample?"	Help confirm case definition	High	* Specimen requests would be made under special circumstances as determined by the interviewer.
16	Clinical data	Results from hospital/lab if known		High	
17	Check list of all other possible exposures such as out of state travel, petting zoo, mass gathering, diapered kids or adults		To identify other possible suspects for the illness	Moderate	
18	Water consumed outside of residence in past 2 weeks		May help identify waterborne illnesses	Moderate	
19	Exposure to recreational water in past 2 weeks		May help identify waterborne or other enteric disease	Moderate	
20	Actions(s) taken		So we know whether to follow similar response actions in the future if faced with the same illness scenario	Moderate	
21	Number of people eating suspect meal			High	
22	Number of people reportedly ill			High	
23	Group leader contact information		Group leaders may provide information on entire party/participants of events.	Moderate	This applies when a complaint is part of an organized event where a group leader may quickly provide information on all participants under the group leader's management.
24	Indicator of whether ill persons shared common exposure prior to suspect meal			High	
25	Previous illness or chronic condition		May influence present illness	Moderate	
26	Existing Medication(s)		May impact illness	Moderate	
27	List of contacts who may have eaten at the establishment	This list would include persons known or believed to	Aids during the investigation and analysis of foodborne	High	

Ideal Complaint System Decision Grid

#	Item collected	Examples	Justification	Level of Importance	Comments / Concerns
		have eaten at the same establishment during the same time period.	outbreaks. Facilitates identification of controls.		

Addition of age to the negative binomial models used in the analysis of FoodNet surveillance data, 2004

In the analysis of the FoodNet data, we currently calculate year estimates taking into account the change in catchment area by including in the model a variable that combines location and year of entry into FoodNet. In the tables below, we illustrate the effect of also including a variable for age group in our modeling scheme.

Relative risks

	MMWR 2005 estimates	Adjusted estimates
Campylobacter	**0.69 (0.64, 0.75)**	0.71 (0.67, 0.76)
Cryptosporidium	**0.60 (0.48, 0.74)**	0.62 (0.49, 0.78)
E. coli	**0.58 (0.46, 0.72)**	0.56 (0.48, 0.66)
Listeria	**0.60 (0.48, 0.75)**	0.60 (0.47, 0.75)
Salmonella	**0.92 (0.55, 1.00)**	0.94 (0.88, 1.01)
Shigella	**0.73 (0.50, 1.06)**	0.73 (0.61, 0.86)
Vibrio	**1.47 (1.07, 2.02)**	1.44 (1.06, 1.95)
Yersinia	**0.55 (0.45, 0.68)**	0.60 (0.47, 0.79)

Percent change (compared to combined baseline)

	MMWR 2005 estimates	Adjusted estimates
Campylobacter	**-31 (-36, -25)**	-29 (-33, -24)
Cryptosporidium	**-40 (-52, -26)**	-38 (-51, -22)
E. coli	**-42 (-54, -28)**	-44 (-52, -34)
Listeria	**-40 (-52, -25)**	-40 (-53, -25)
Salmonella	**-8 (-15, 0)**	-6 (-12, 1)
Shigella	**-27 (-50, 6)**	-27 (-39, -14)
Vibrio	**47 (7, 102)**	44 (6, 95)
Yersinia	**-45 (-55, -32)**	-40 (-53, -23)

Foodborne Diseases Active Surveillance Network (FoodNet)

Proposal Title:
Does birth weight predict infection with *Salmonella* or *Campylobacter* among infants?

Lead Investigator:
Manoj Menon

Study Team:
Anna Bowen, Katie Fullerton, Elaine Scallan, Fred Angulo, and the FoodNet team to be determined.

Date Submitted:
8/5/05

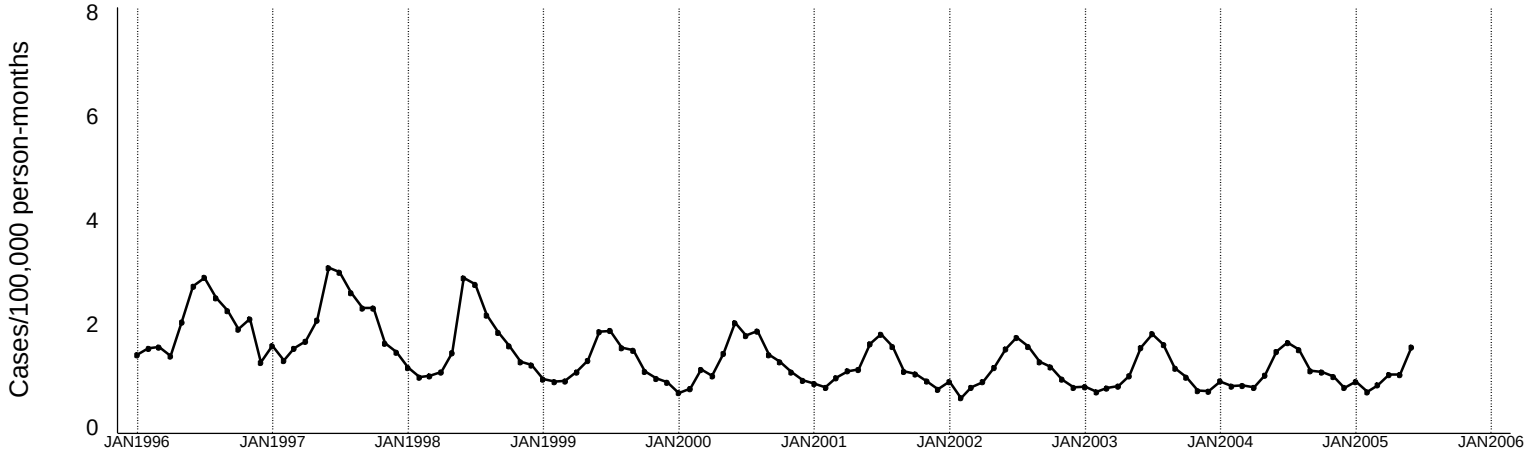
Purpose:
Allow incoming EIS Officer to develop basic data analysis skills by exploring associations between birth weight and infection with *Salmonella* or *Campylobacter* among infants, using the FoodNet Infant case control study data.

Timeline:
Analysis to be completed between August and October, 2005.

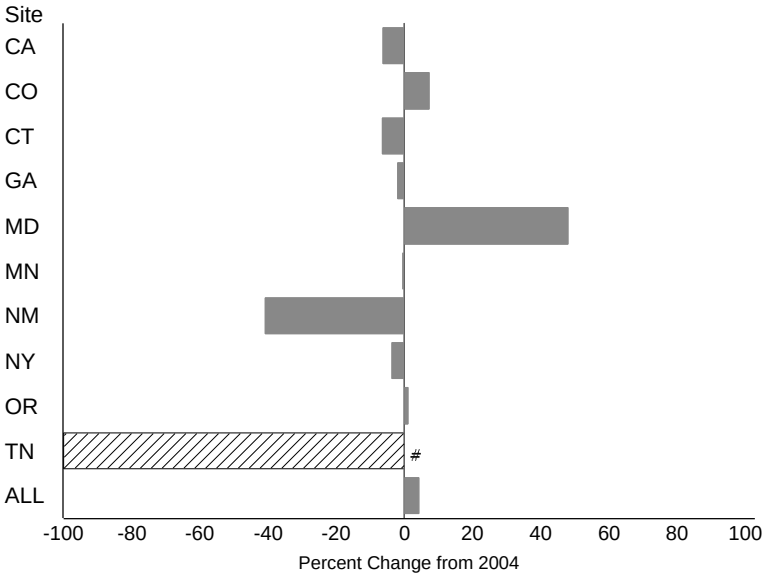
Proposal:
FDDB EIS Officer will explore the associations between birth weight categories and infection with *Salmonella* or *Campylobacter* using bivariate and stratified analyses, using the FoodNet Infant case control study data.

Campylobacter

Incidence rate of culture-confirmed infections, FoodNet sites, January 1996-June 2005



Calendar year through June: Percent change in rates between 2004 and 2005 by site

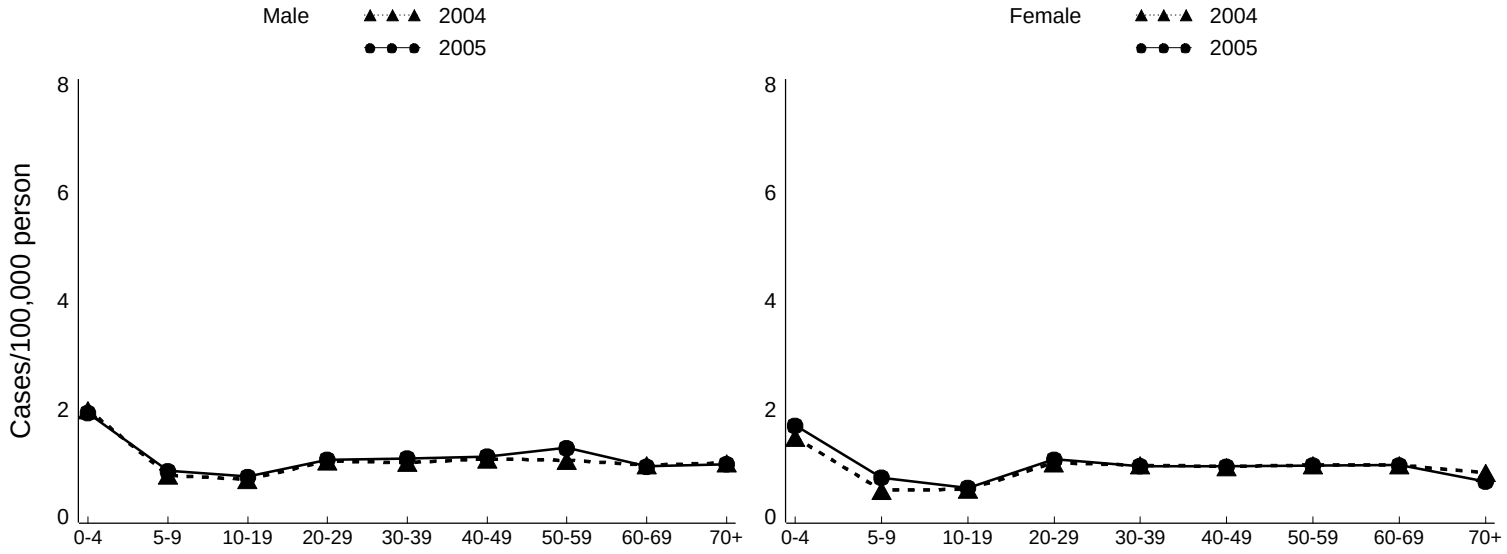


* Change exceeds 100%, +Percent increase cannot be calculated because 2004 rate is 0
# 2005 TN data entered but not available at CDC because of NEDSS PAM malfunction.

	2005		2004		5 year mean*	
Site	**Cases**	**Rate^**	**Cases**	**Rate^**	**Cases**	**Rate^**
CA	424	13.19	452	14.06	484	15.07
CO	237	9.382	221	8.748	168	6.946
CT	244	7.005	261	7.493	249	7.205
GA	259	2.982	264	3.040	288	3.381
MD	176	3.195	119	2.160	141	3.097
MN	368	7.274	370	7.313	394	7.865
NM	97	5.174	164	8.748	164	8.748
NY	208	4.821	216	5.007	172	5.636
OR	296	8.316	293	8.231	278	7.931
TN	0	0.000	193	3.304	132	3.216
ALL	2309	6.041	2553	5.794	2471	6.149

*year 2000-2004 except for CO (2001-2004), NM (2004-)
^cases/100,000 person

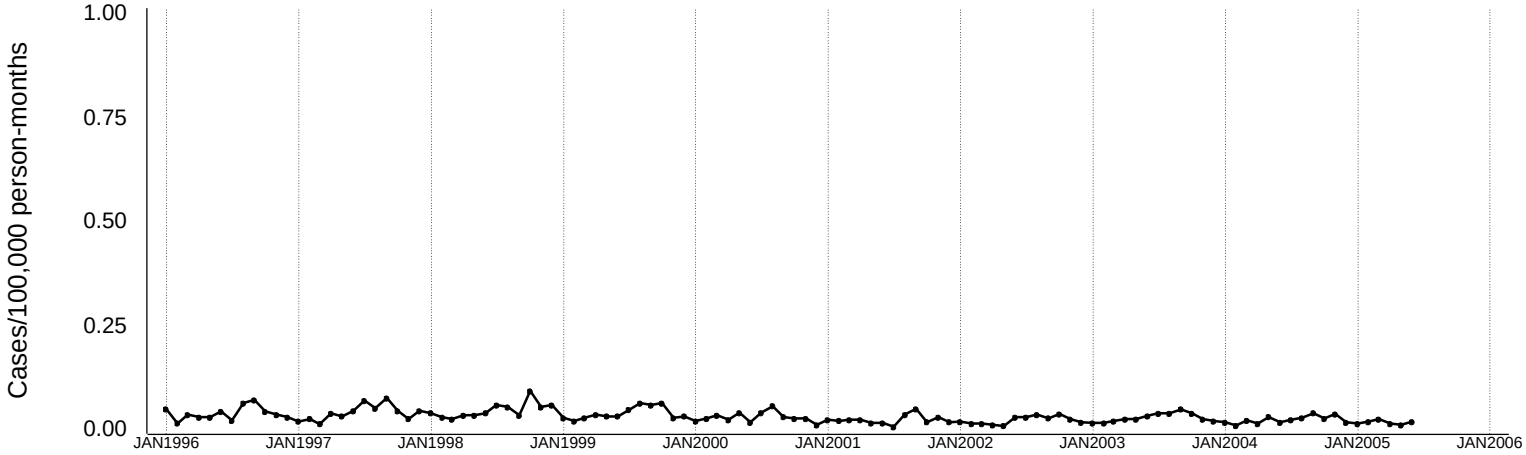
Calendar year through June: Rates for 2004 and 2005 by age group and sex



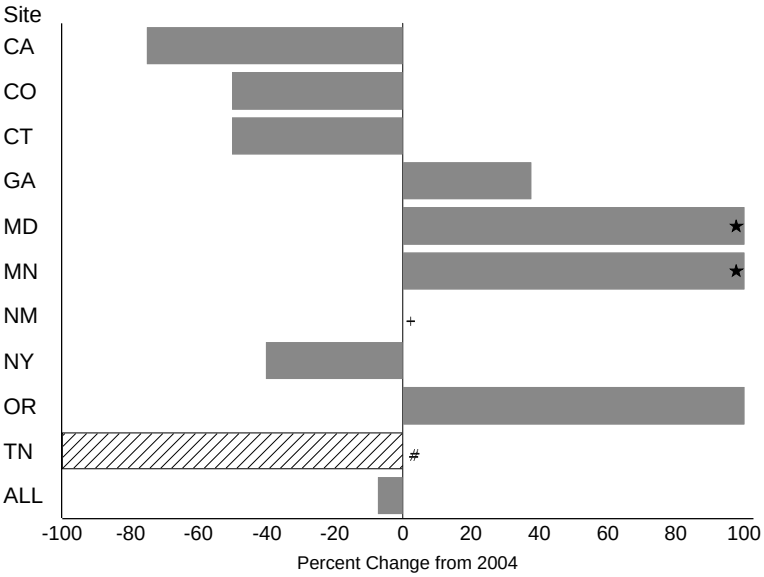
Data source: Preliminary FoodNet data, subject to change, not for public distribution.
Note: 2005 TN data entered but not available at CDC because of NEDSS PAM malfunction. Report date: 08-August-2005

Listeria

Incidence rate of culture-confirmed infections, FoodNet sites, January 1996-June 2005



Calendar year through June: Percent change in rates between 2004 and 2005 bv site

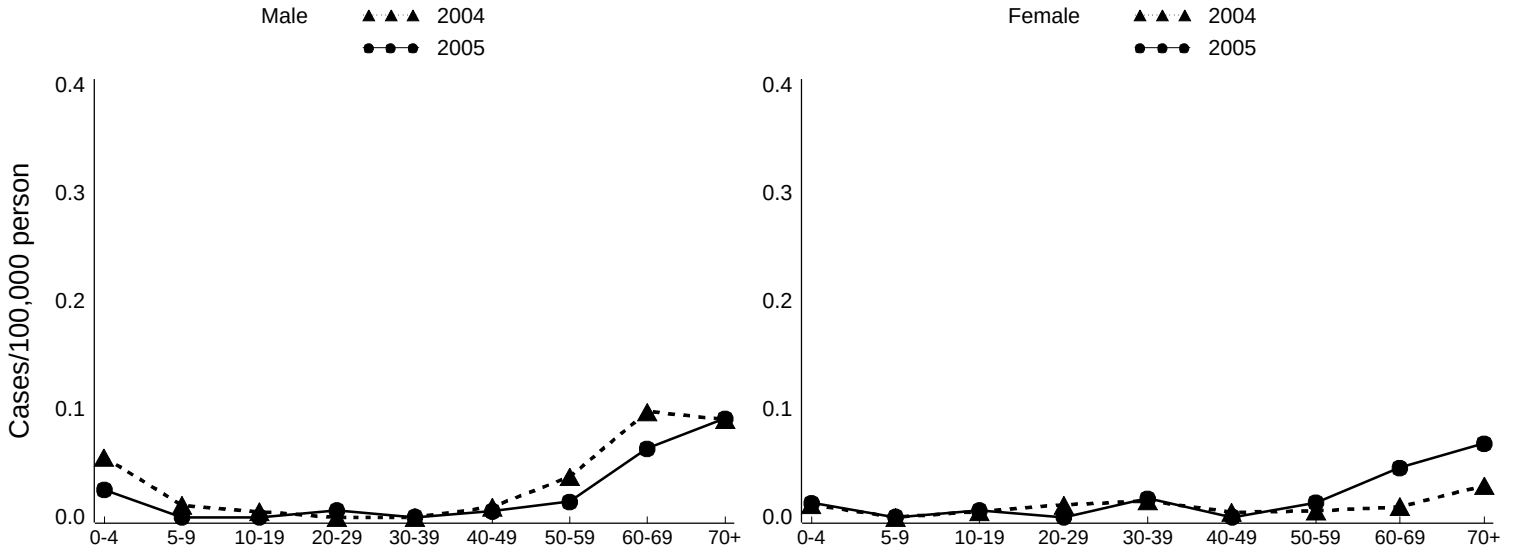


* Change exceeds 100%, +Percent increase cannot be calculated because 2004 rate is 0
# 2005 TN data entered but not available at CDC because of NEDSS PAM malfunction.

	2005		2004		5 year mean*	
Site	Cases	Rate^	Cases	Rate^	Cases	Rate^
CA	3	0.093	12	0.373	9	0.286
CO	1	0.040	2	0.079	2	0.083
CT	2	0.057	4	0.115	5	0.157
GA	11	0.127	8	0.092	11	0.125
MD	10	0.182	4	0.073	6	0.122
MN	3	0.059	1	0.020	1	0.024
NM	0	0.000	0	0.000	0	0.000
NY	3	0.070	5	0.116	5	0.196
OR	4	0.112	2	0.056	3	0.074
TN	0	0.000	8	0.137	3	0.069
ALL	37	0.097	46	0.104	45	0.119

*year 2000-2004 except for CO (2001-2004), NM (2004-)
^cases/100,000 person

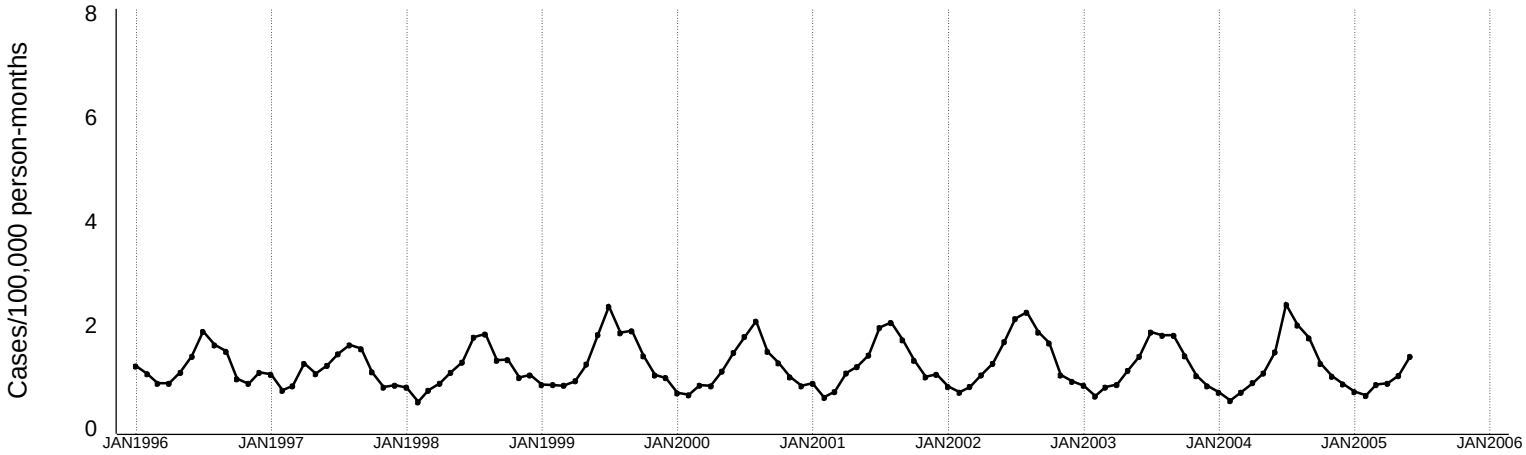
Calendar year through June: Rates for 2004 and 2005 by age group and sex



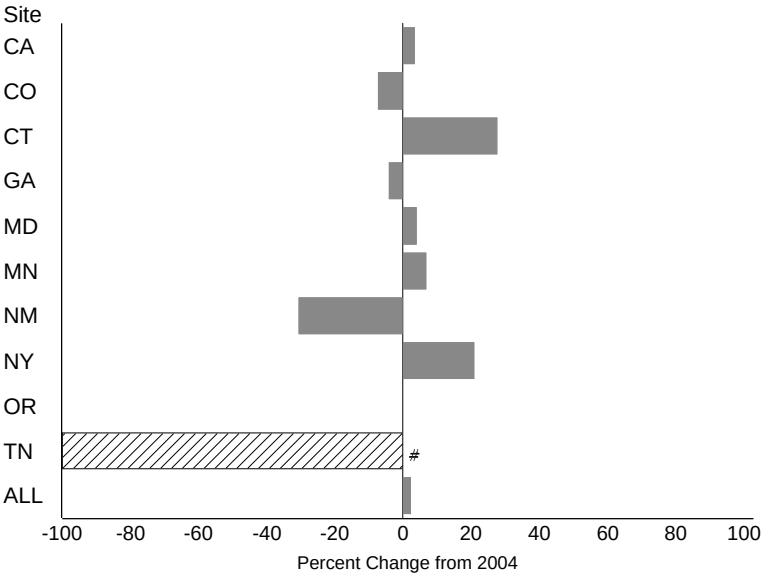
Data source: Preliminary FoodNet data, subject to change, not for public distribution.
Note: 2005 TN data entered but not available at CDC because of NEDSS PAM malfunction. Report date: 08-August-2005

Salmonella, all serotypes

Incidence rate of culture-confirmed infections, FoodNet sites, January 1996-June 2005



Calendar year through June: Percent change in rates between 2004 and 2005 bv site

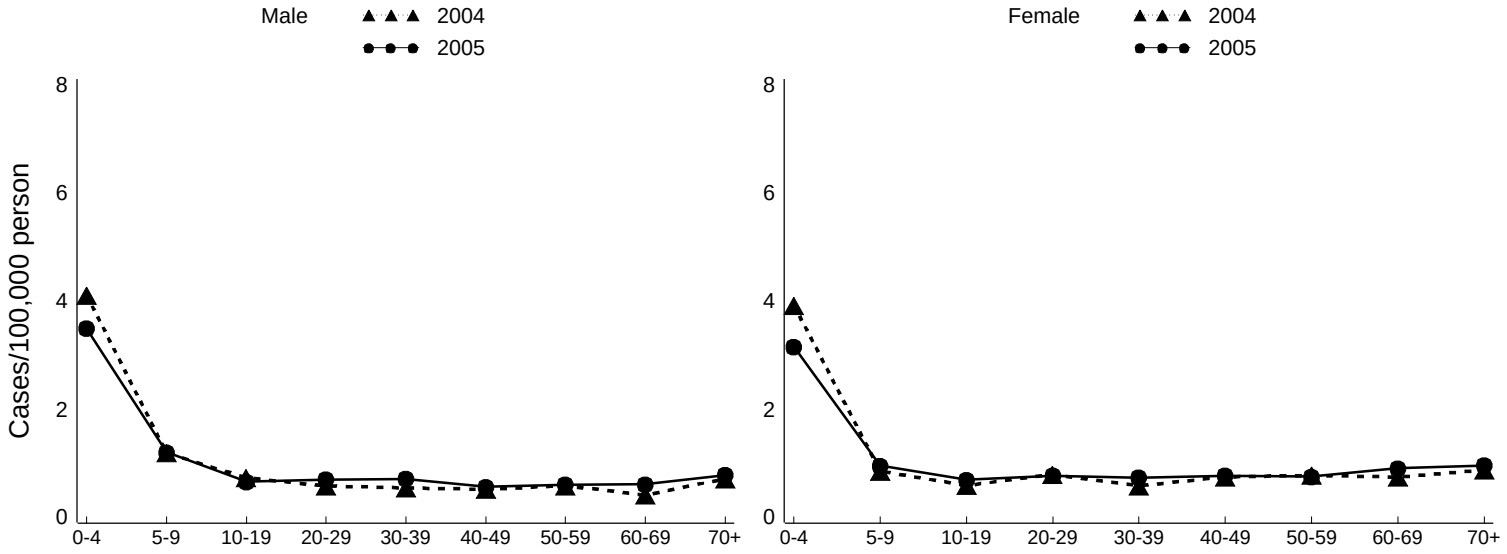


* Change exceeds 100%, +Percent increase cannot be calculated because 2004 rate is 0
# 2005 TN data entered but not available at CDC because of NEDSS PAM malfunction.

	2005		2004		5 year mean*	
Site	Cases	Rate^	Cases	Rate^	Cases	Rate^
CA	190	5.91	184	5.73	214	6.66
CO	130	5.15	140	5.54	130	5.36
CT	213	6.11	167	4.79	179	5.19
GA	564	6.49	588	6.77	558	6.54
MD	290	5.26	279	5.06	286	6.28
MN	273	5.40	256	5.06	271	5.41
NM	73	3.89	105	5.60	105	5.60
NY	209	4.84	173	4.01	167	5.37
OR	177	4.97	177	4.97	164	4.66
TN	0	0.00	322	5.51	228	5.59
ALL	2119	5.54	2391	5.43	2300	5.79

*year 2000-2004 except for CO (2001-2004), NM (2004-)
^cases/100,000 person

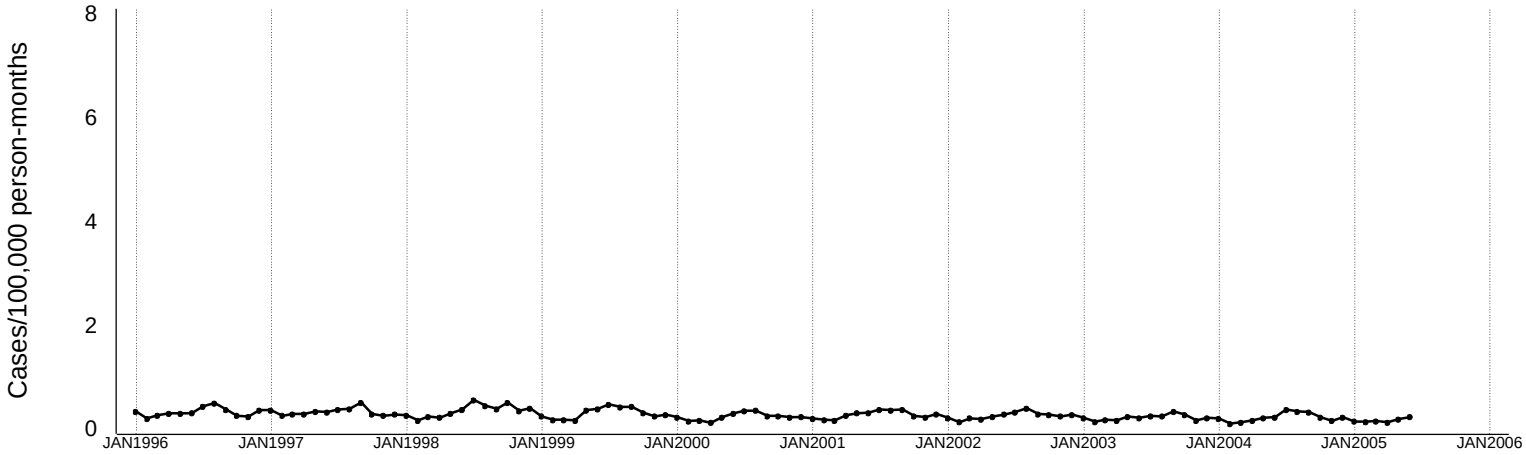
Calendar year through June: Rates for 2004 and 2005 by age group and sex



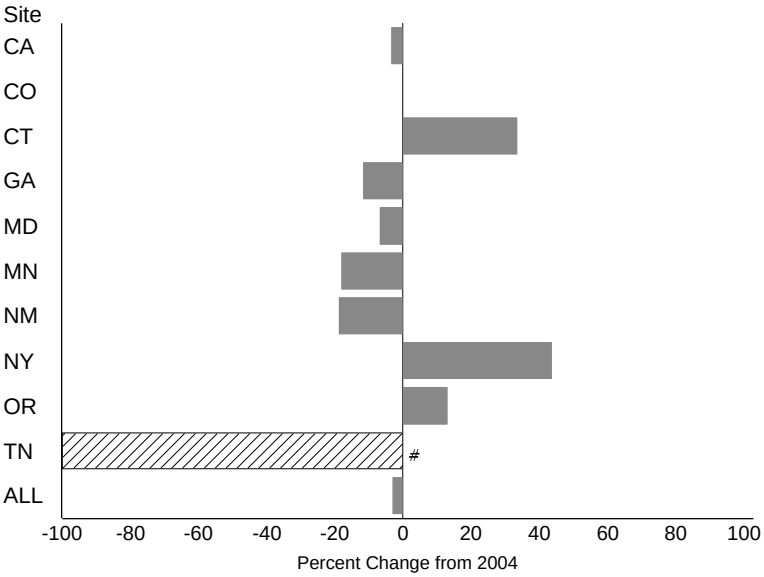
Data source: Preliminary FoodNet data, subject to change, not for public distribution.
Note: 2005 TN data entered but not available at CDC because of NEDSS PAM malfunction. Report date: 08-August-2005

Salmonella Typhimurium

Incidence rate of culture-confirmed infections, FoodNet sites, January 1996-June 2005



Calendar year through June: Percent change in rates between 2004 and 2005 bv site

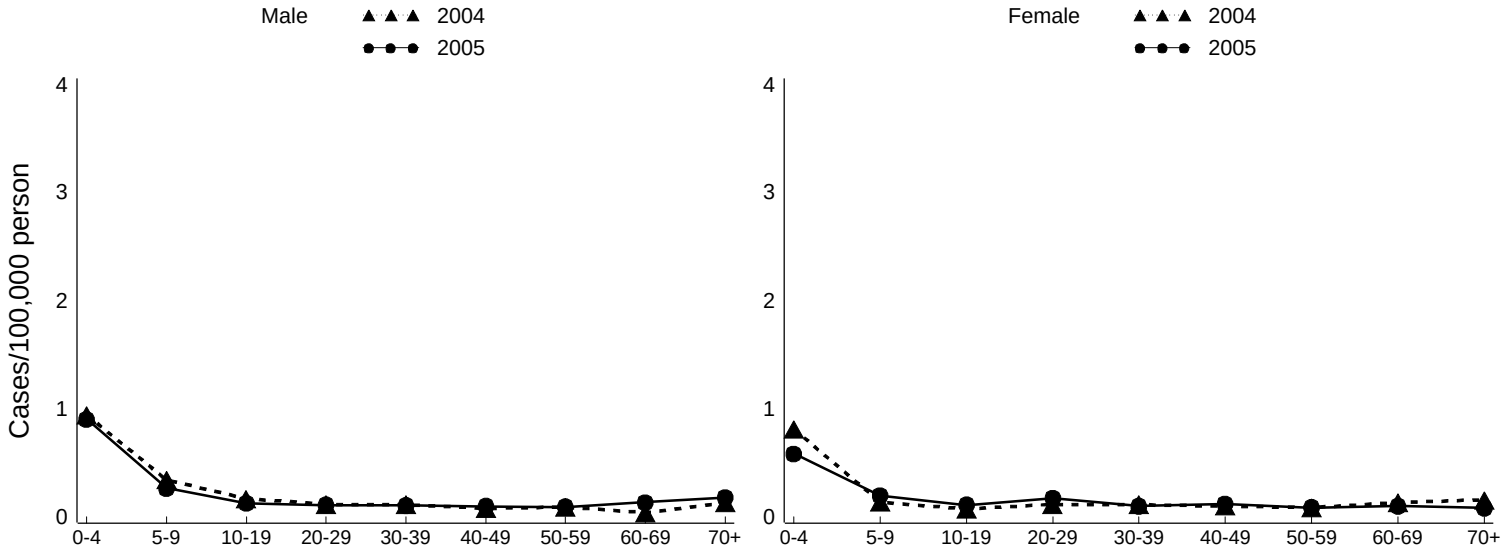


* Change exceeds 100%, +Percent increase cannot be calculated because 2004 rate is 0
# 2005 TN data entered but not available at CDC because of NEDSS PAM malfunction.

	2005		2004		5 year mean*	
Site	Cases	Rate^	Cases	Rate^	Cases	Rate^
CA	29	0.90	30	0.93	35	1.08
CO	33	1.31	33	1.31	34	1.43
CT	44	1.26	33	0.95	34	0.98
GA	92	1.06	104	1.20	111	1.30
MD	42	0.76	45	0.82	56	1.29
MN	55	1.09	67	1.32	73	1.45
NM	13	0.69	16	0.85	16	0.85
NY	33	0.76	23	0.53	30	1.03
OR	44	1.24	39	1.10	33	0.93
TN	0	0.00	67	1.15	58	1.47
ALL	385	1.01	457	1.04	479	1.22

*year 2000-2004 except for CO (2001-2004), NM (2004-)
^cases/100,000 person

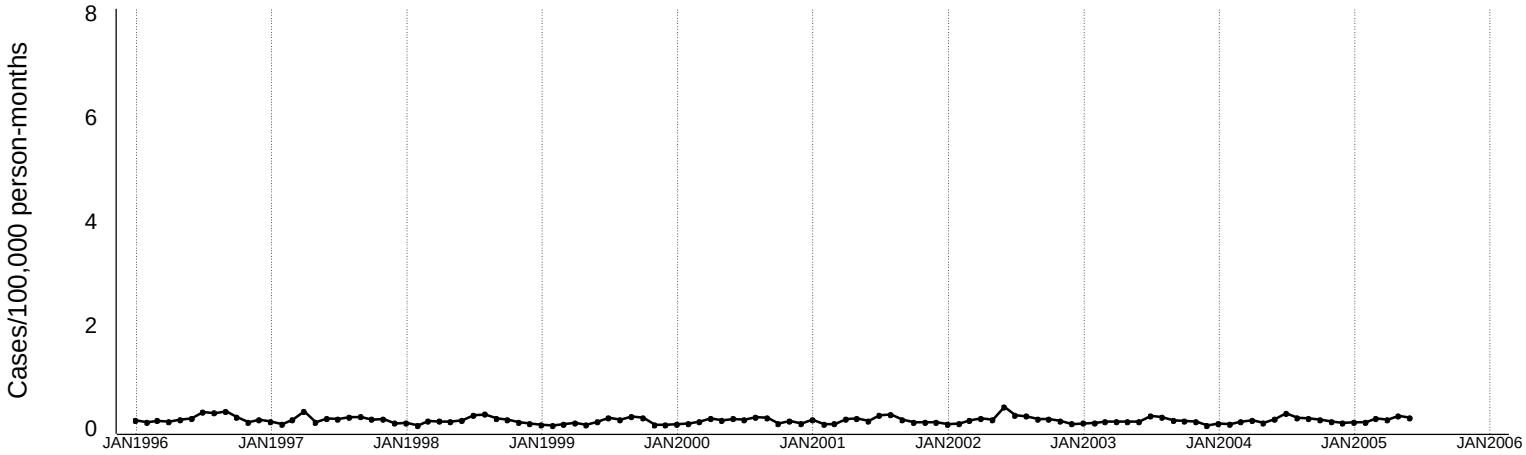
Calendar year through June: Rates for 2004 and 2005 by age group and sex



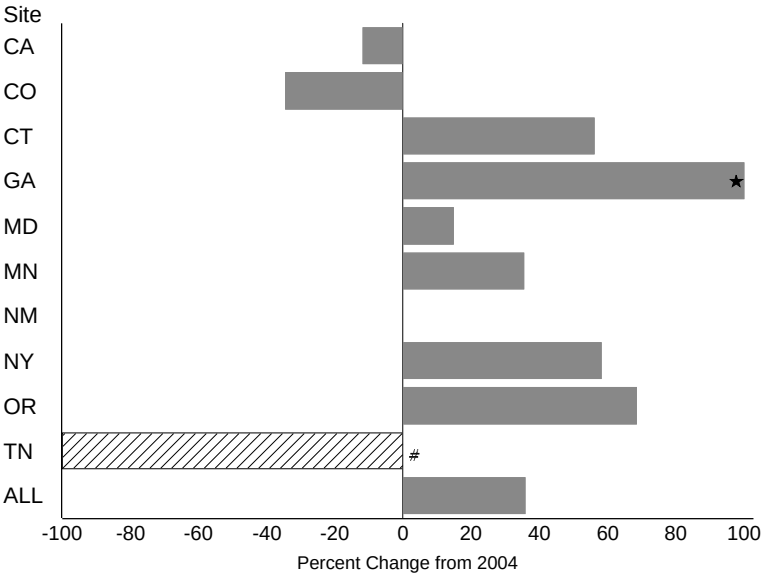
Data source: Preliminary FoodNet data, subject to change, not for public distribution.
Note: 2005 TN data entered but not available at CDC because of NEDSS PAM malfunction. Report date: 08-August-2005

Salmonella Enteritidis

Incidence rate of culture-confirmed infections, FoodNet sites, January 1996-June 2005



Calendar year through June: Percent change in rates between 2004 and 2005 bv site

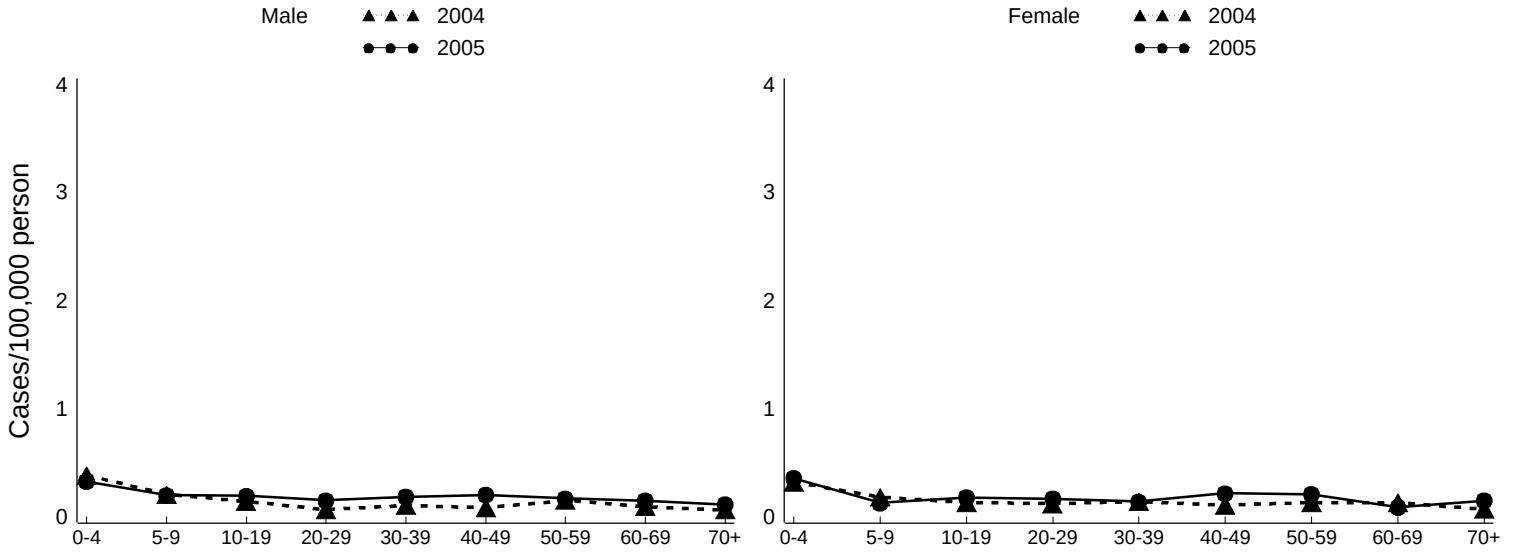


* Change exceeds 100%, +Percent increase cannot be calculated because 2004 rate is 0
# 2005 TN data entered but not available at CDC because of NEDSS PAM malfunction.

	2005		2004		5 year mean*	
Site	Cases	Rate^	Cases	Rate^	Cases	Rate^
CA	30	0.933	34	1.058	33	1.033
CO	21	0.831	32	1.267	24	0.953
CT	64	1.837	41	1.177	41	1.188
GA	60	0.691	30	0.345	31	0.362
MD	101	1.833	88	1.597	84	1.895
MN	65	1.285	48	0.949	53	1.051
NM	10	0.533	10	0.533	10	0.533
NY	49	1.136	31	0.719	44	1.361
OR	32	0.899	19	0.534	25	0.723
TN	0	0.000	34	0.582	19	0.448
ALL	432	1.130	367	0.833	363	0.931

*year 2000-2004 except for CO (2001-2004), NM (2004-)
^cases/100,000 person

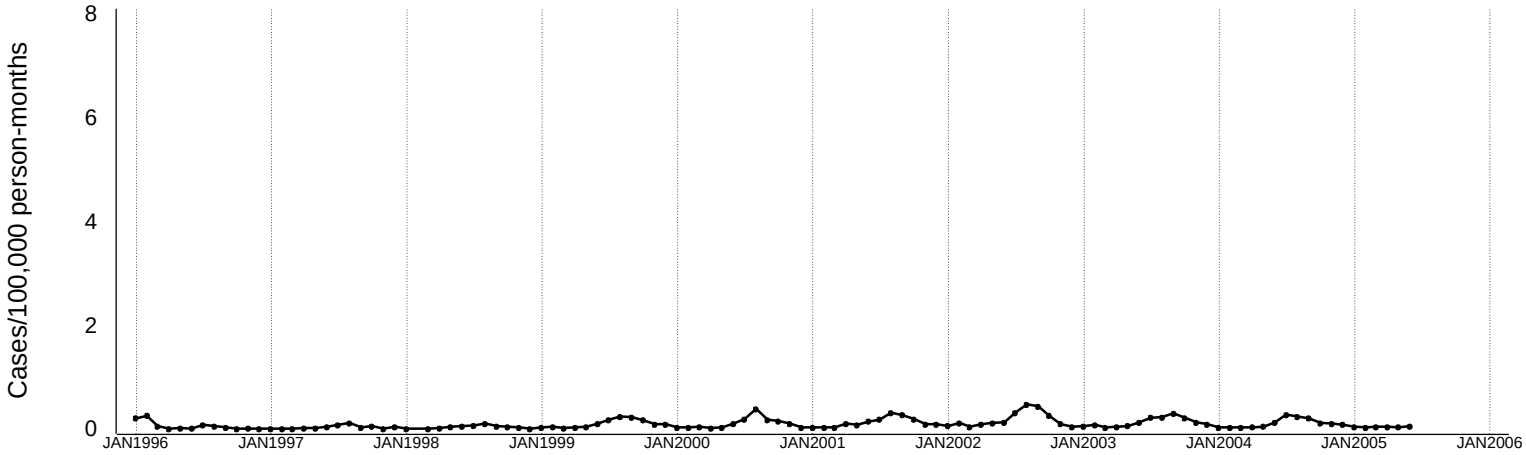
Calendar year through June: Rates for 2004 and 2005 by age group and sex



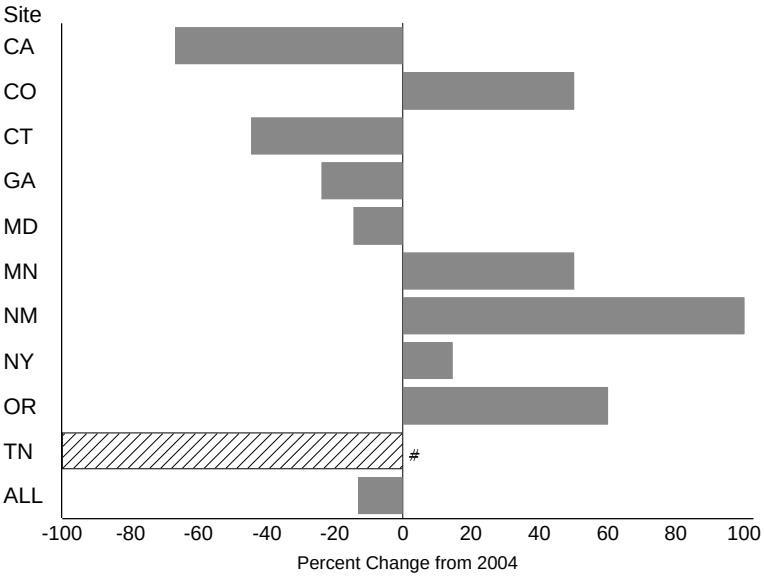
Data source: Preliminary FoodNet data, subject to change, not for public distribution.
Note: 2005 TN data entered but not available at CDC because of NEDSS PAM malfunction. Report date: 08-August-2005

Salmonella Newport

Incidence rate of culture-confirmed infections, FoodNet sites, January 1996-June 2005



Calendar year through June: Percent change in rates between 2004 and 2005 bv site

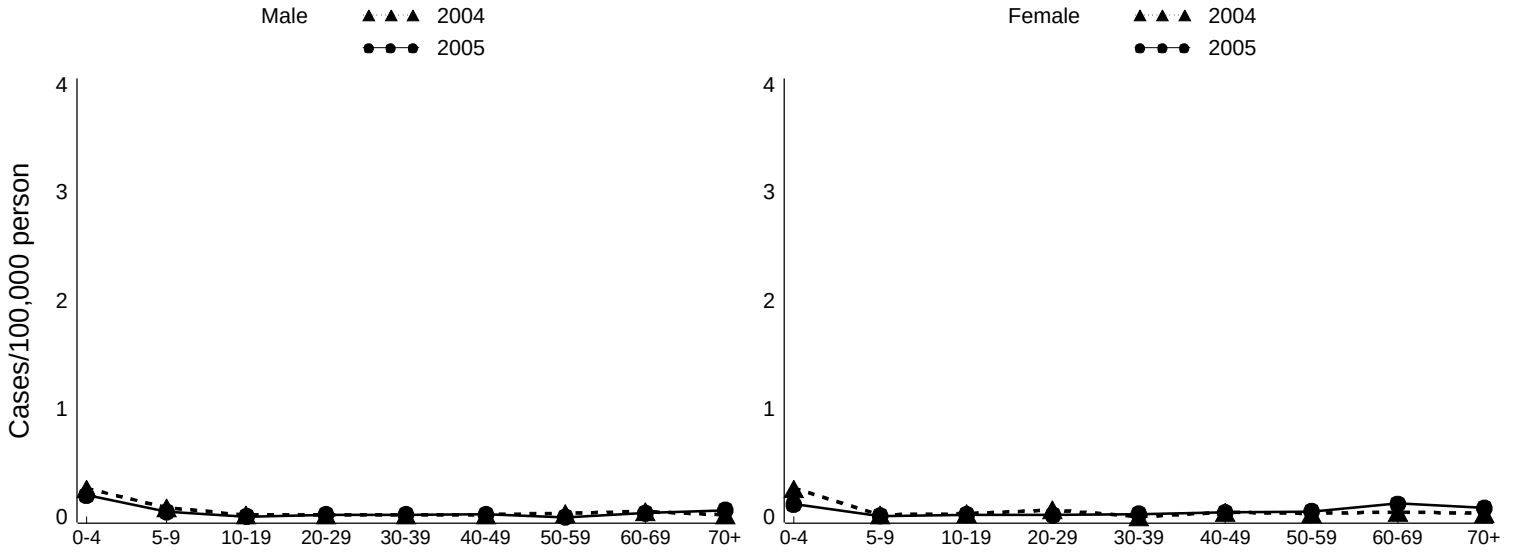


* Change exceeds 100%, +Percent increase cannot be calculated because 2004 rate is 0
# 2005 TN data entered but not available at CDC because of NEDSS PAM malfunction.

	2005		2004		5 year mean*	
Site	Cases	Rate^	Cases	Rate^	Cases	Rate^
CA	3	0.093	9	0.280	13	0.398
CO	6	0.238	4	0.158	8	0.323
CT	5	0.144	9	0.258	18	0.522
GA	42	0.484	55	0.633	53	0.624
MD	6	0.109	7	0.127	11	0.247
MN	15	0.296	10	0.198	12	0.231
NM	8	0.427	4	0.213	4	0.213
NY	8	0.185	7	0.162	14	0.429
OR	8	0.225	5	0.140	13	0.363
TN	0	0.000	24	0.411	11	0.278
ALL	101	0.264	134	0.304	156	0.399

*year 2000-2004 except for CO (2001-2004), NM (2004-)
^cases/100,000 person

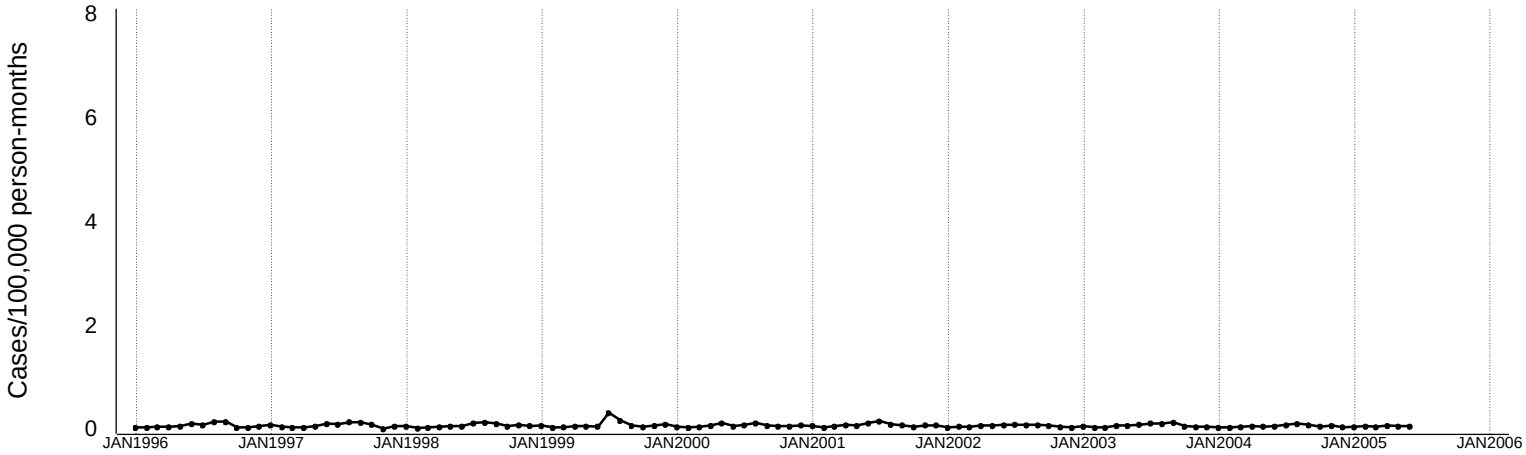
Calendar year through June: Rates for 2004 and 2005 by age group and sex



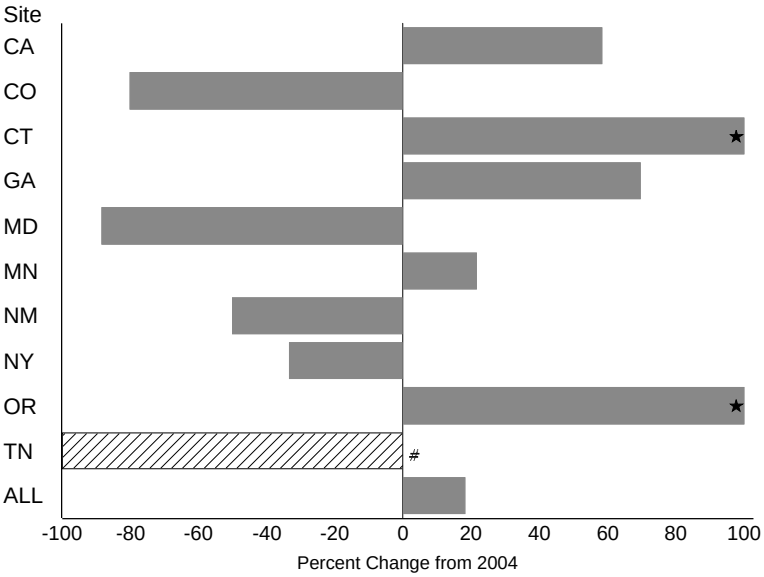
Data source: Preliminary FoodNet data, subject to change, not for public distribution.
Note: 2005 TN data entered but not available at CDC because of NEDSS PAM malfunction. Report date: 08-August-2005

Salmonella Heidelberg

Incidence rate of culture-confirmed infections, FoodNet sites, January 1996-June 2005



Calendar year through June: Percent change in rates between 2004 and 2005 bv site

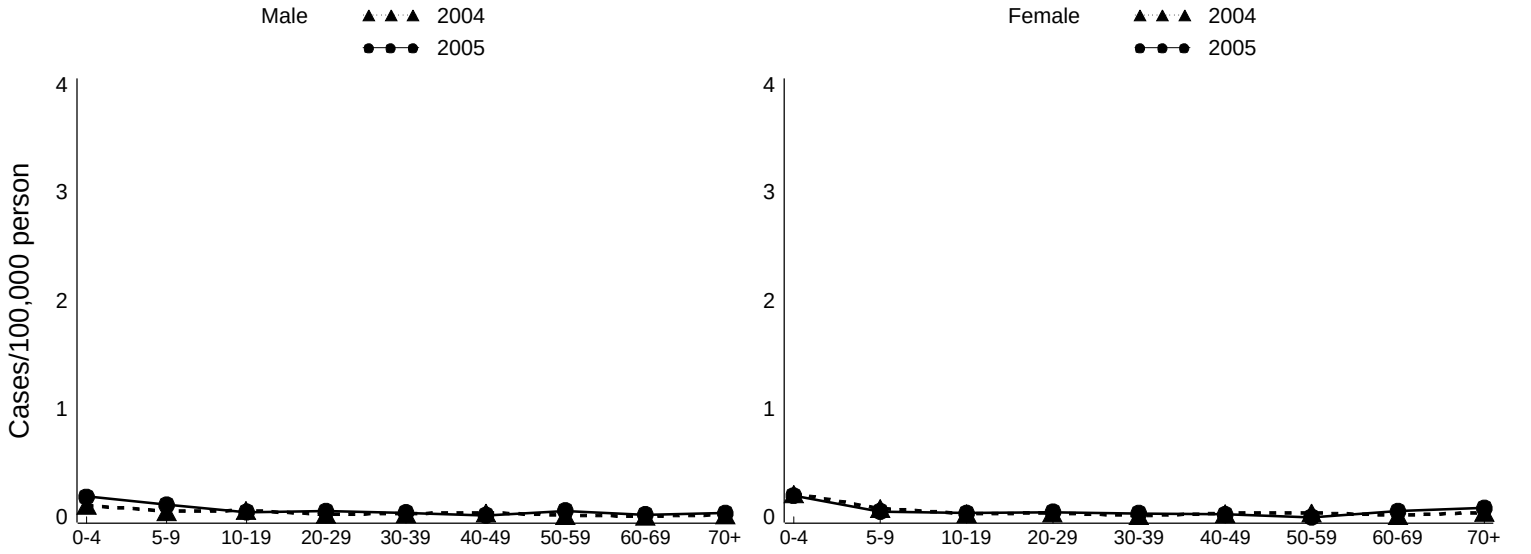


* Change exceeds 100%, +Percent increase cannot be calculated because 2004 rate is 0
# 2005 TN data entered but not available at CDC because of NEDSS PAM malfunction.

	2005		2004		5 year mean*	
Site	Cases	Rate^	Cases	Rate^	Cases	Rate^
CA	19	0.591	12	0.373	19	0.597
CO	1	0.040	5	0.198	9	0.392
CT	7	0.201	3	0.086	8	0.243
GA	39	0.449	23	0.265	31	0.370
MD	2	0.036	17	0.309	12	0.285
MN	17	0.336	14	0.277	15	0.296
NM	1	0.053	2	0.107	2	0.107
NY	14	0.325	21	0.487	16	0.545
OR	22	0.618	10	0.281	8	0.239
TN	0	0.000	12	0.205	13	0.337
ALL	122	0.319	119	0.270	135	0.351

*year 2000-2004 except for CO (2001-2004), NM (2004-)
^cases/100,000 person

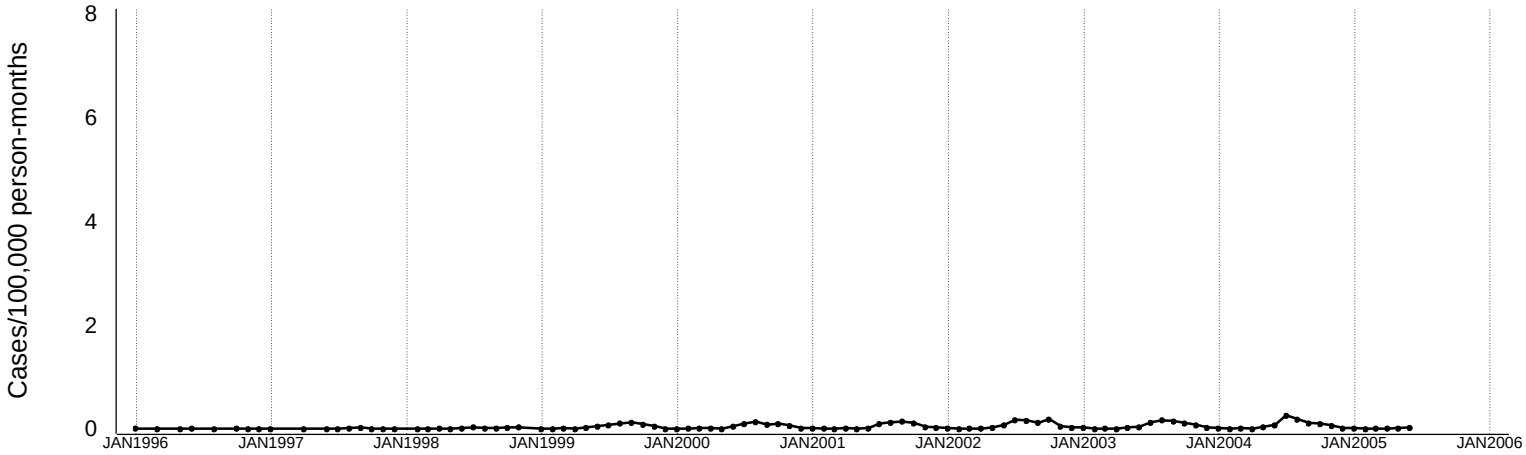
Calendar year through June: Rates for 2004 and 2005 by age group and sex



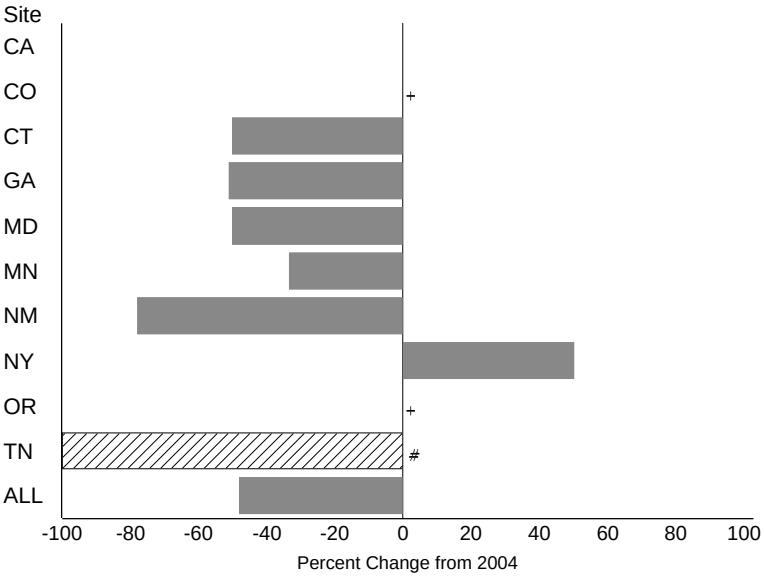
Data source: Preliminary FoodNet data, subject to change, not for public distribution.
Note: 2005 TN data entered but not available at CDC because of NEDSS PAM malfunction. Report date: 08-August-2005

Salmonella Javiana

Incidence rate of culture-confirmed infections, FoodNet sites, January 1996-June 2005



Calendar year through June: Percent change in rates between 2004 and 2005 bv site

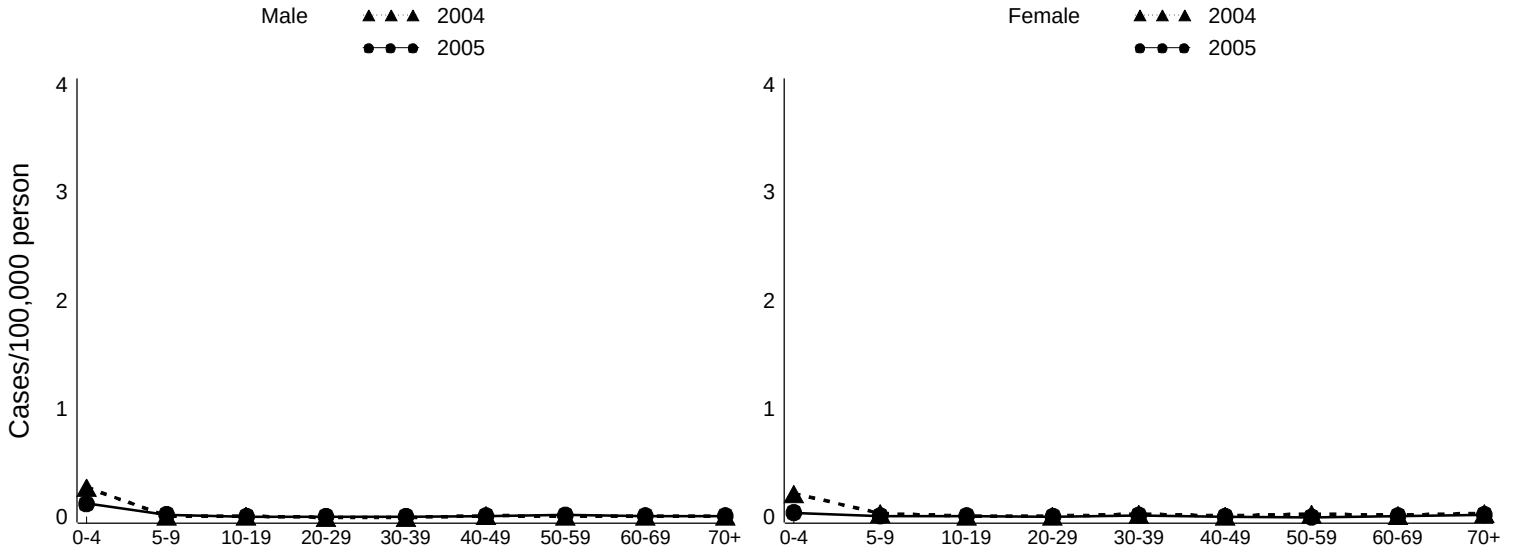


* Change exceeds 100%, +Percent increase cannot be calculated because 2004 rate is 0
# 2005 TN data entered but not available at CDC because of NEDSS PAM malfunction.

	2005		2004		5 year mean*	
Site	Cases	Rate^	Cases	Rate^	Cases	Rate^
CA	1	0.031	1	0.031	2	0.075
CO	0	0.000	0	0.000	1	0.020
CT	2	0.057	4	0.115	2	0.046
GA	25	0.288	51	0.587	34	0.392
MD	2	0.036	4	0.073	3	0.071
MN	2	0.040	3	0.059	3	0.052
NM	2	0.107	9	0.480	9	0.480
NY	3	0.070	2	0.046	1	0.021
OR	0	0.000	0	0.000	2	0.057
TN	0	0.000	8	0.137	5	0.118
ALL	37	0.097	82	0.186	61	0.138

*year 2000-2004 except for CO (2001-2004), NM (2004-)
^cases/100,000 person

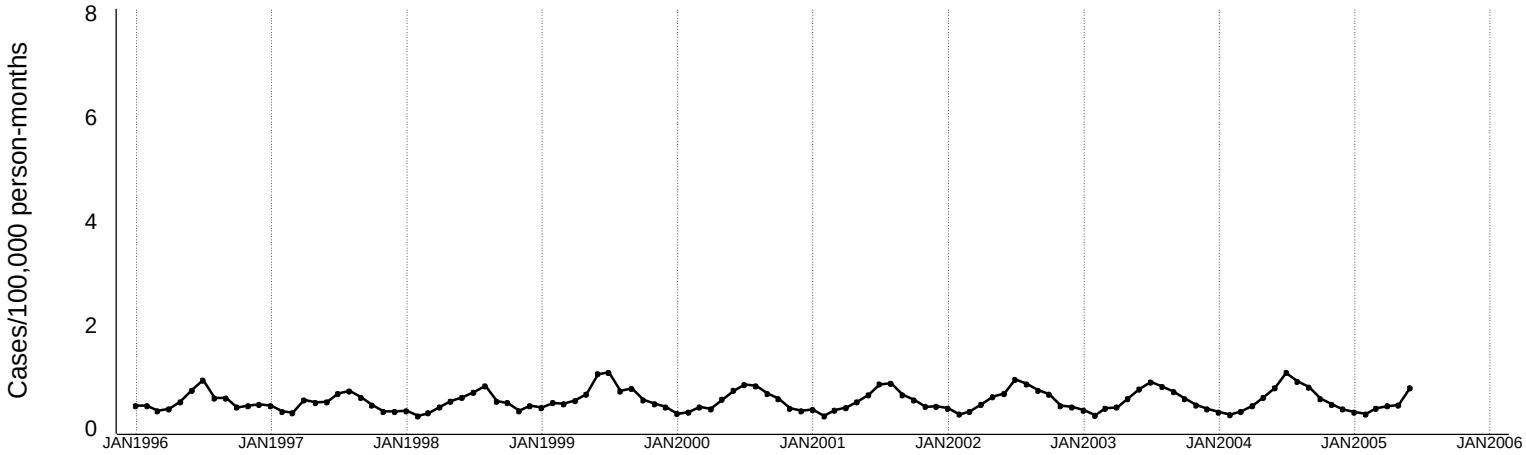
Calendar year through June: Rates for 2004 and 2005 by age group and sex



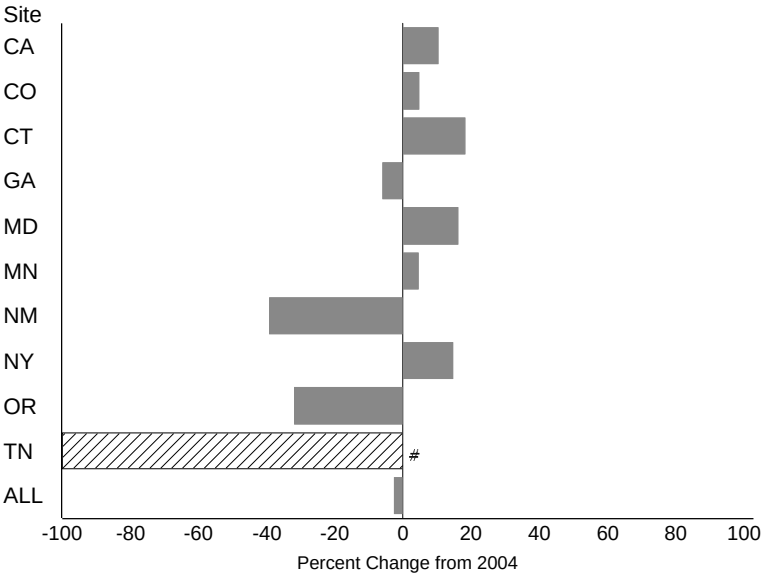
Data source: Preliminary FoodNet data, subject to change, not for public distribution.
Note: 2005 TN data entered but not available at CDC because of NEDSS PAM malfunction. Report date: 08-August-2005

Salmonella, all others

Incidence rate of culture-confirmed infections, FoodNet sites, January 1996-June 2005



Calendar year through June: Percent change in rates between 2004 and 2005 bv site

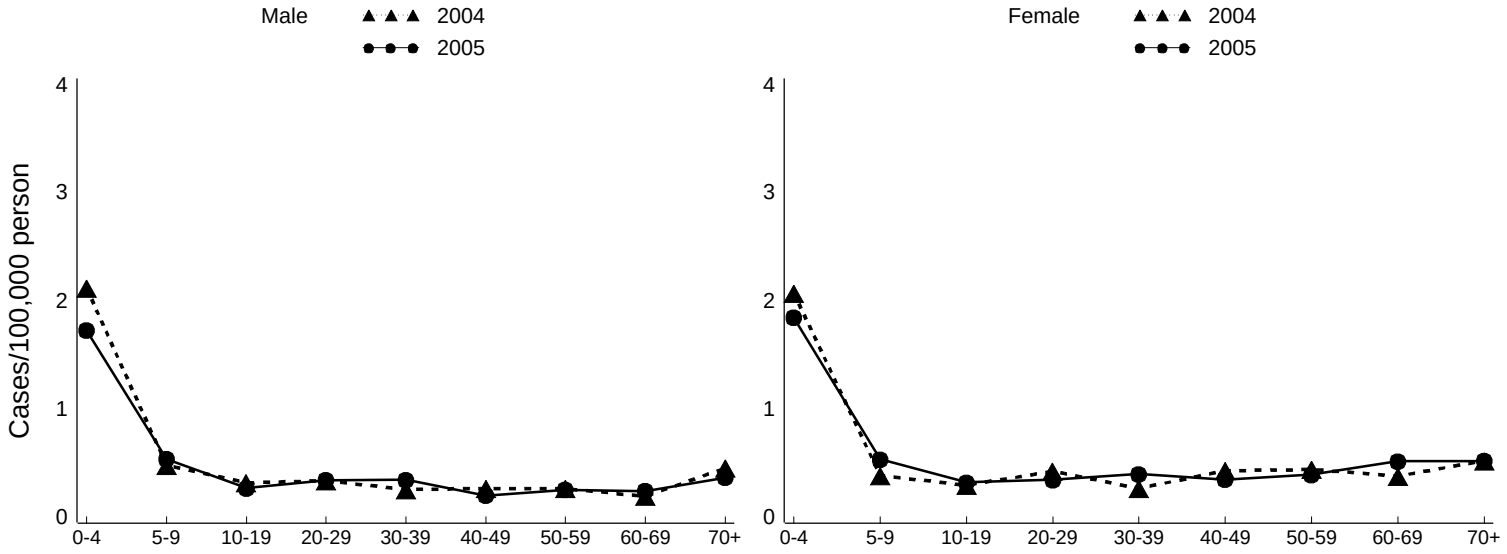


* Change exceeds 100%, +Percent increase cannot be calculated because 2004 rate is 0
# 2005 TN data entered but not available at CDC because of NEDSS PAM malfunction.

	2005		2004		5 year mean*	
Site	Cases	Rate^	Cases	Rate^	Cases	Rate^
CA	108	3.36	98	3.05	112	3.48
CO	69	2.73	66	2.61	55	2.24
CT	91	2.61	77	2.21	76	2.21
GA	306	3.52	325	3.74	298	3.49
MD	137	2.49	118	2.14	118	2.49
MN	119	2.35	114	2.25	117	2.33
NM	39	2.08	64	3.41	64	3.41
NY	102	2.36	89	2.06	62	1.98
OR	71	1.99	104	2.92	82	2.34
TN	0	0.00	177	3.03	122	2.94
ALL	1042	2.73	1232	2.80	1106	2.75

*year 2000-2004 except for CO (2001-2004), NM (2004-)
^cases/100,000 person

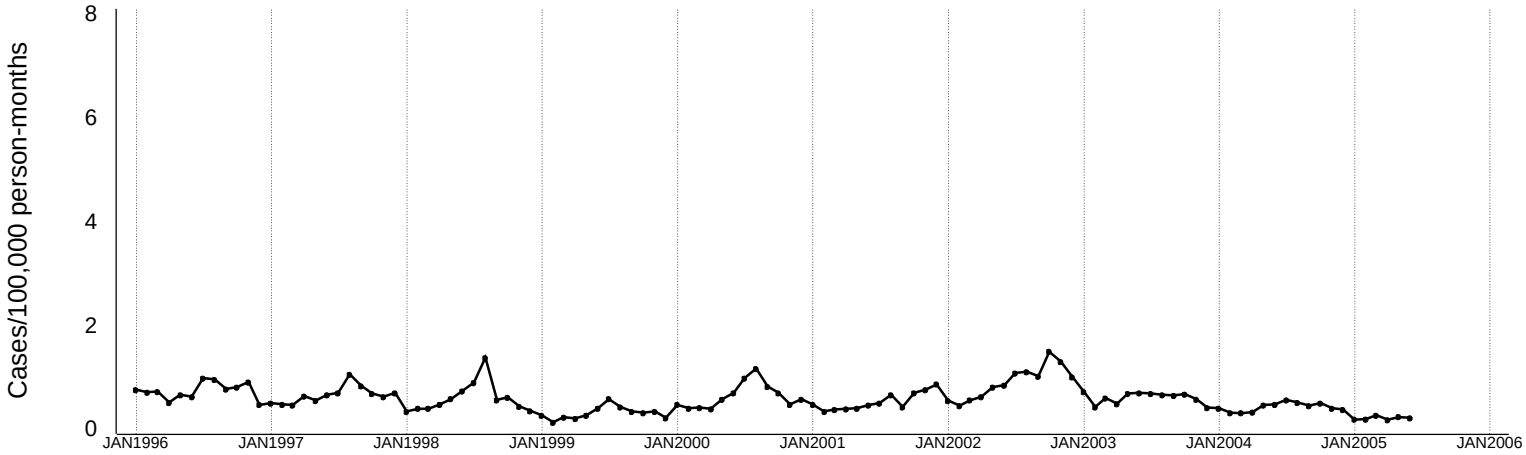
Calendar year through June: Rates for 2004 and 2005 by age group and sex



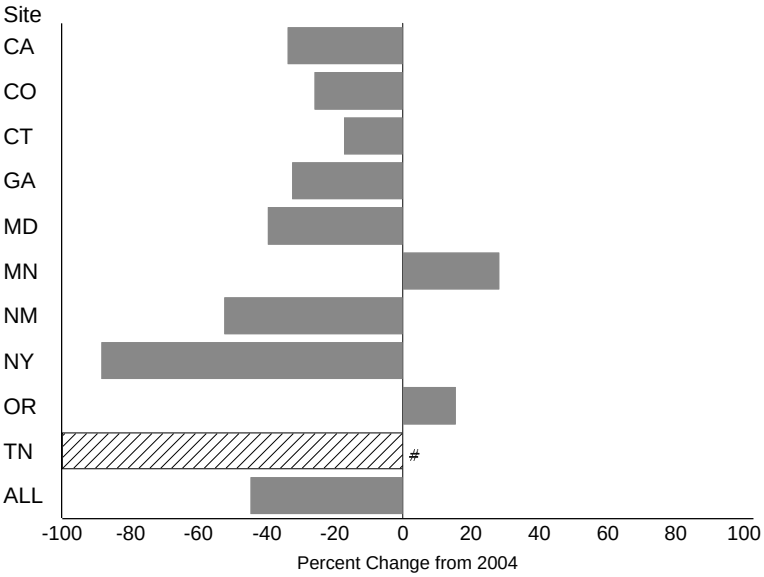
Data source: Preliminary FoodNet data, subject to change, not for public distribution.
Note: 2005 TN data entered but not available at CDC because of NEDSS PAM malfunction. Report date: 08-August-2005

Shigella, all species

Incidence rate of culture-confirmed infections, FoodNet sites, January 1996-June 2005



Calendar year through June: Percent change in rates between 2004 and 2005 bv site

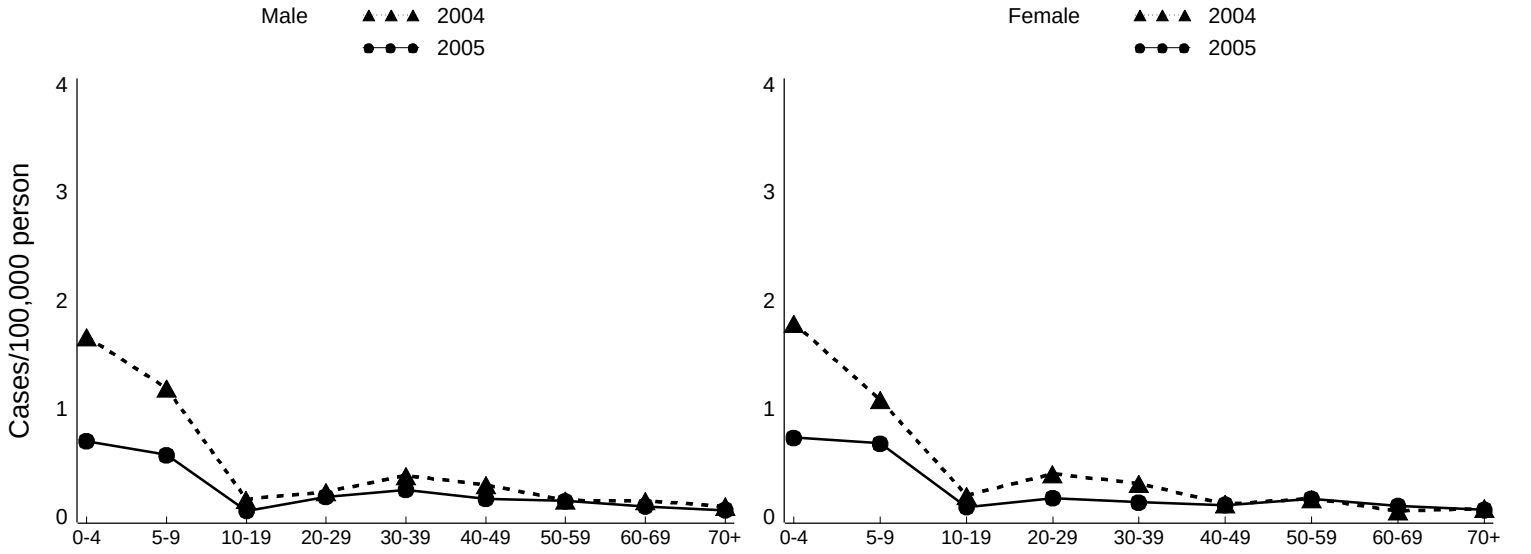


* Change exceeds 100%, +Percent increase cannot be calculated because 2004 rate is 0
# 2005 TN data entered but not available at CDC because of NEDSS PAM malfunction.

	2005		2004		5 year mean*	
Site	Cases	Rate^	Cases	Rate^	Cases	Rate^
CA	75	2.33	113	3.52	164	5.09
CO	23	0.91	31	1.23	45	1.88
CT	24	0.69	29	0.83	27	0.78
GA	222	2.56	328	3.78	388	4.51
MD	29	0.53	48	0.87	156	2.98
MN	32	0.63	25	0.49	144	2.88
NM	32	1.71	67	3.57	67	3.57
NY	20	0.46	172	3.99	53	1.42
OR	30	0.84	26	0.73	42	1.19
TN	0	0.00	174	2.98	125	3.11
ALL	487	1.27	1013	2.30	1210	3.03

*year 2000-2004 except for CO (2001-2004), NM (2004-)
^cases/100,000 person

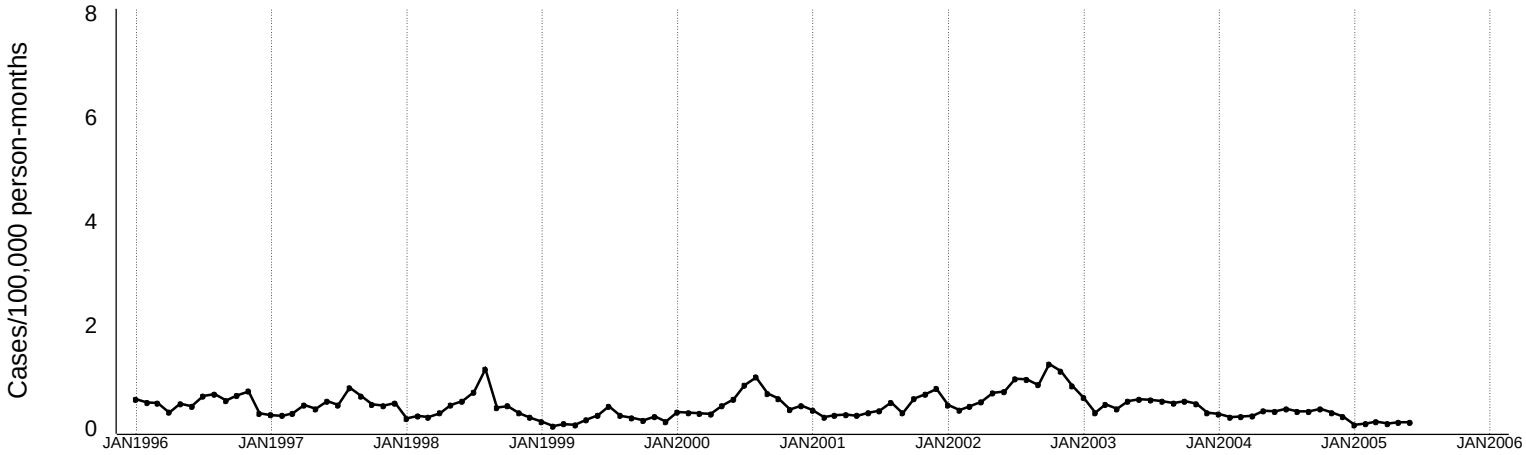
Calendar year through June: Rates for 2004 and 2005 by age group and sex



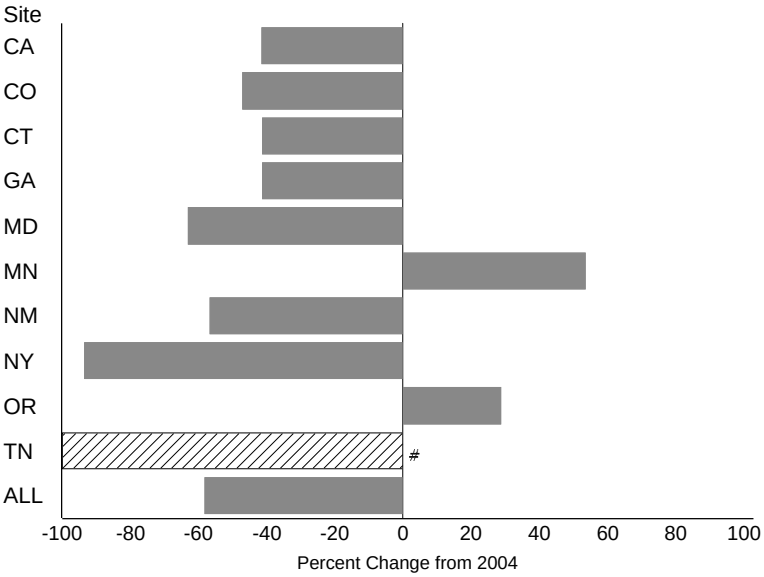
Data source: Preliminary FoodNet data, subject to change, not for public distribution.
Note: 2005 TN data entered but not available at CDC because of NEDSS PAM malfunction. Report date: 08-August-2005

Shigella sonnei

Incidence rate of culture-confirmed infections, FoodNet sites, January 1996-June 2005



Calendar year through June: Percent change in rates between 2004 and 2005 bv site

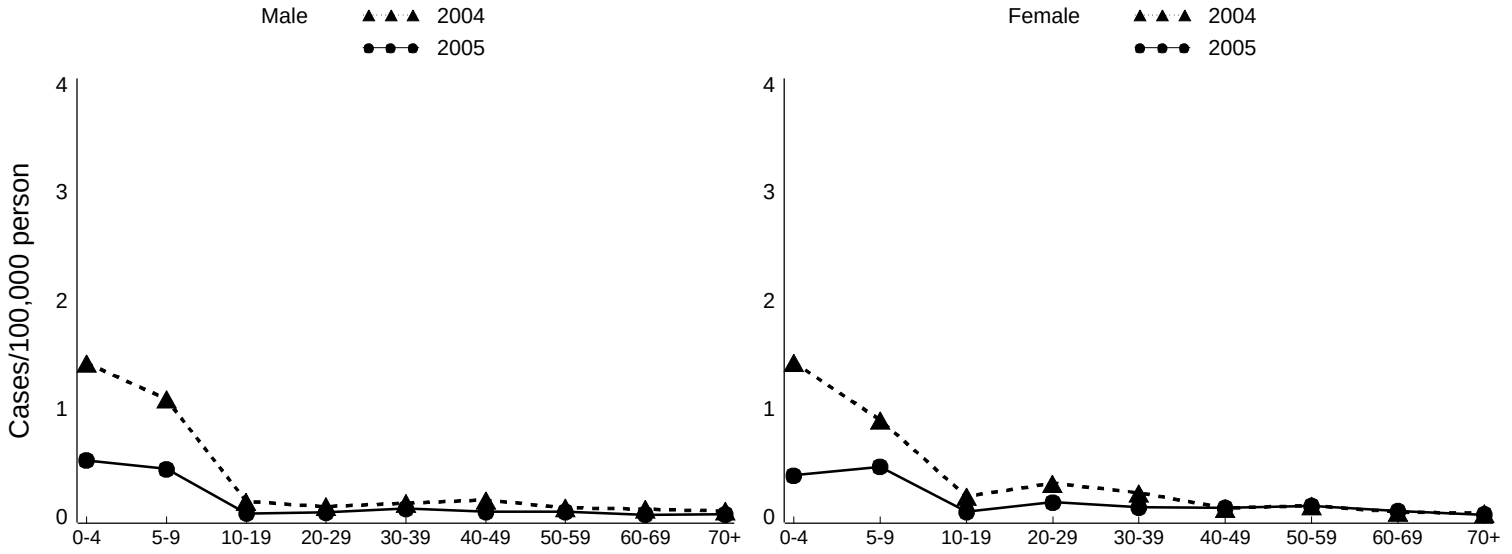


* Change exceeds 100%, +Percent increase cannot be calculated because 2004 rate is 0
# 2005 TN data entered but not available at CDC because of NEDSS PAM malfunction.

	2005		2004		5 year mean*	
Site	Cases	Rate^	Cases	Rate^	Cases	Rate^
CA	24	0.747	41	1.276	95	2.941
CO	9	0.356	17	0.673	30	1.269
CT	10	0.287	17	0.488	17	0.503
GA	146	1.681	248	2.856	313	3.637
MD	10	0.182	27	0.490	135	2.551
MN	23	0.455	15	0.296	127	2.561
NM	20	1.067	46	2.454	46	2.454
NY	11	0.255	164	3.801	47	1.217
OR	18	0.506	14	0.393	21	0.597
TN	0	0.000	155	2.653	105	2.583
ALL	271	0.709	744	1.688	937	2.357

*year 2000-2004 except for CO (2001-2004), NM (2004-)
^cases/100,000 person

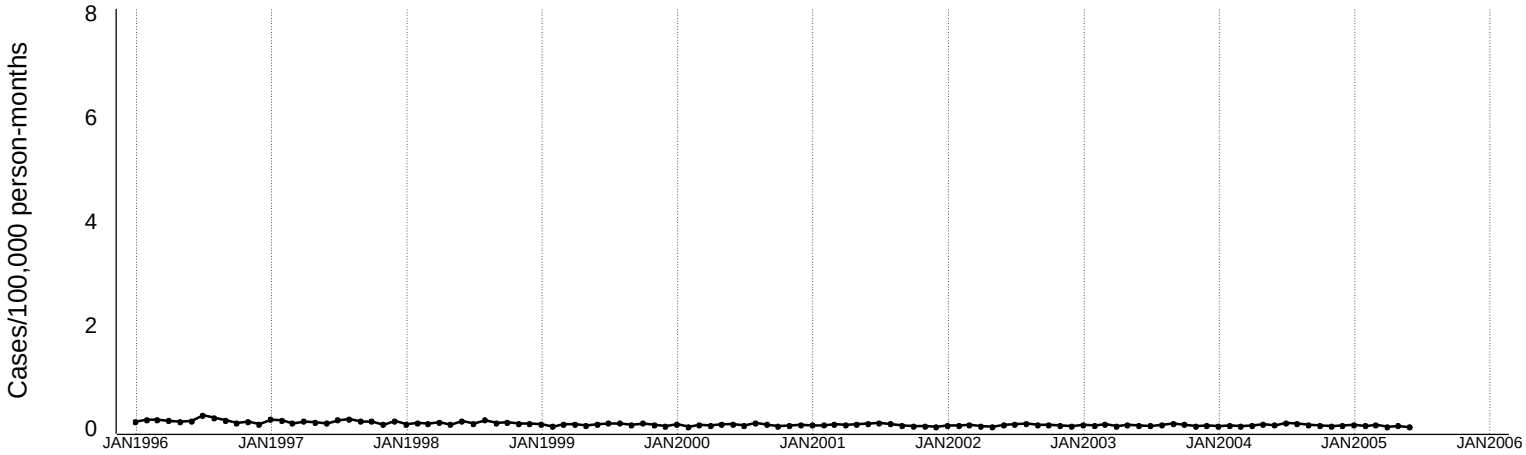
Calendar year through June: Rates for 2004 and 2005 by age group and sex



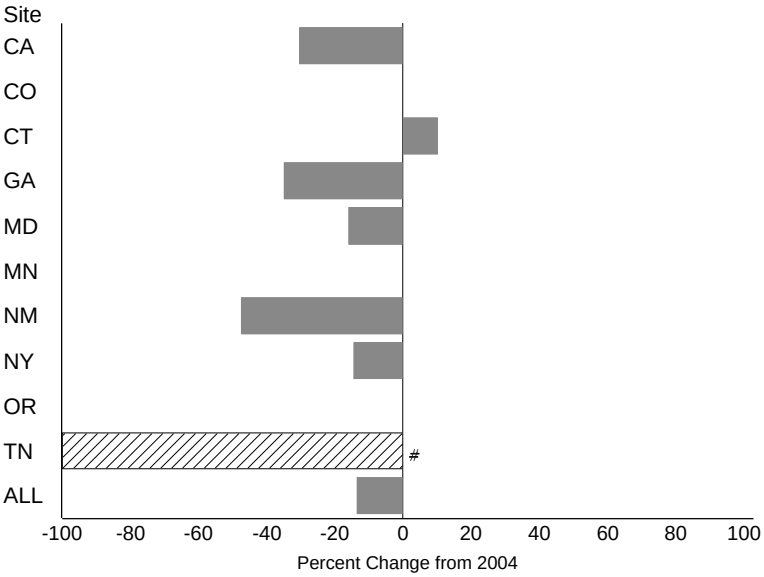
Data source: Preliminary FoodNet data, subject to change, not for public distribution.
Note: 2005 TN data entered but not available at CDC because of NEDSS PAM malfunction. Report date: 08-August-2005

Shigella flexneri

Incidence rate of culture-confirmed infections, FoodNet sites, January 1996-June 2005



Calendar year through June: Percent change in rates between 2004 and 2005 bv site

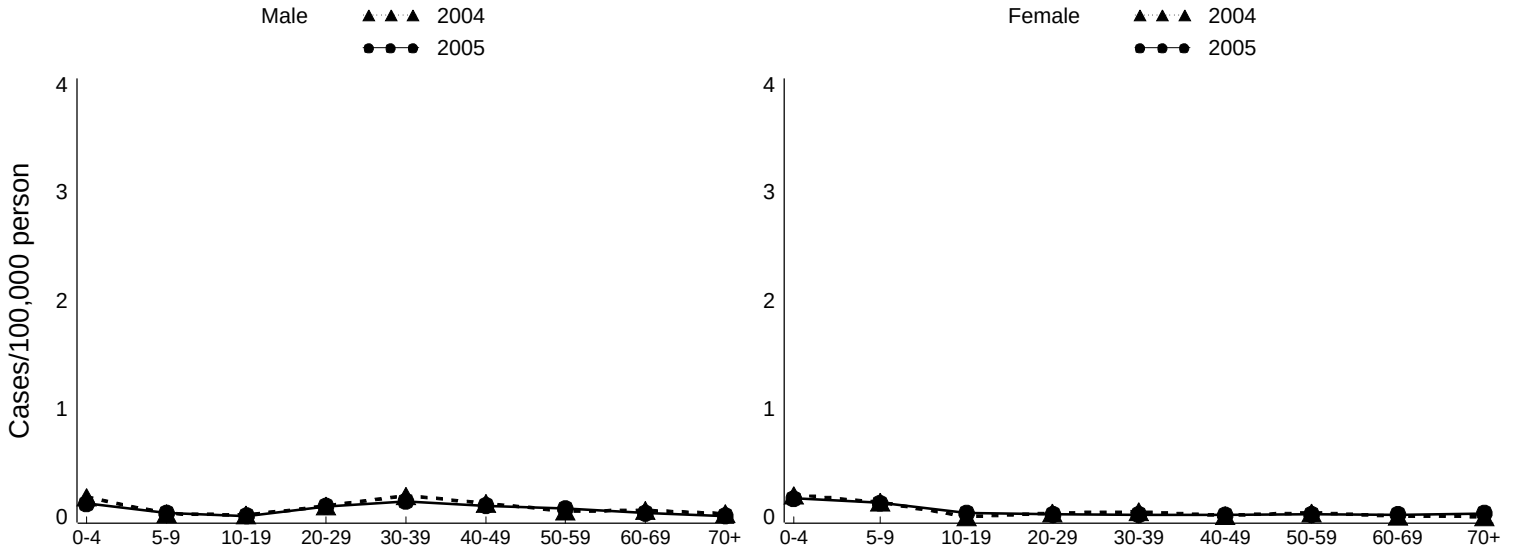


* Change exceeds 100%, +Percent increase cannot be calculated because 2004 rate is 0
# 2005 TN data entered but not available at CDC because of NEDSS PAM malfunction.

	2005		2004		5 year mean*	
Site	Cases	Rate^	Cases	Rate^	Cases	Rate^
CA	39	1.213	56	1.742	54	1.688
CO	12	0.475	12	0.475	12	0.495
CT	11	0.316	10	0.287	8	0.237
GA	28	0.322	43	0.495	37	0.439
MD	16	0.290	19	0.345	15	0.321
MN	8	0.158	8	0.158	14	0.279
NM	10	0.533	19	1.014	19	1.014
NY	6	0.139	7	0.162	5	0.176
OR	12	0.337	12	0.337	19	0.531
TN	0	0.000	3	0.051	5	0.143
ALL	142	0.371	189	0.429	189	0.456

*year 2000-2004 except for CO (2001-2004), NM (2004-)
^cases/100,000 person

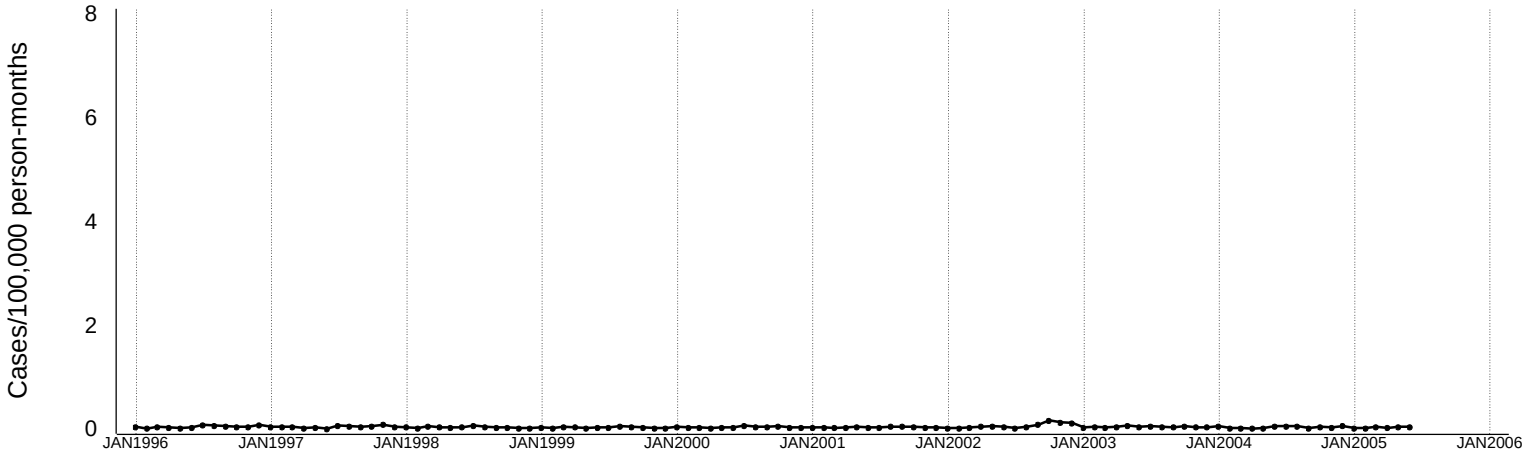
Calendar year through June: Rates for 2004 and 2005 by age group and sex



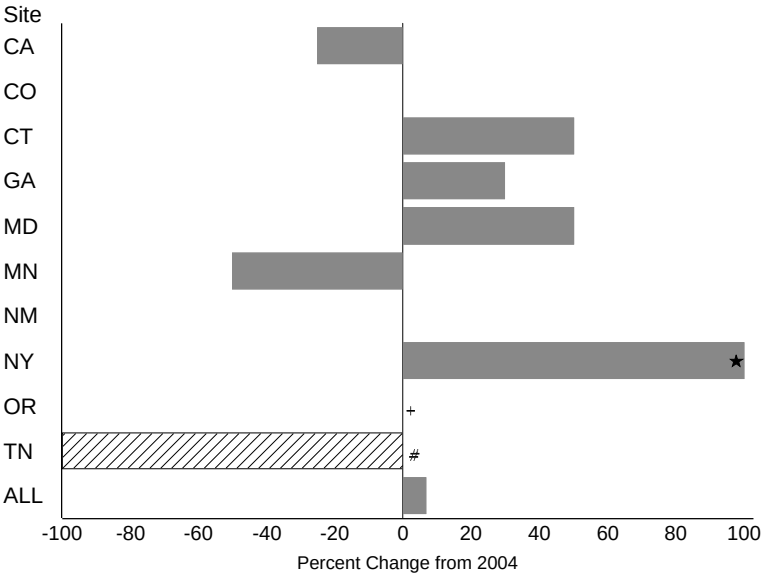
Data source: Preliminary FoodNet data, subject to change, not for public distribution.
Note: 2005 TN data entered but not available at CDC because of NEDSS PAM malfunction. Report date: 08-August-2005

Shigella, all others

Incidence rate of culture-confirmed infections, FoodNet sites, January 1996-June 2005



Calendar year through June: Percent change in rates between 2004 and 2005 bv site

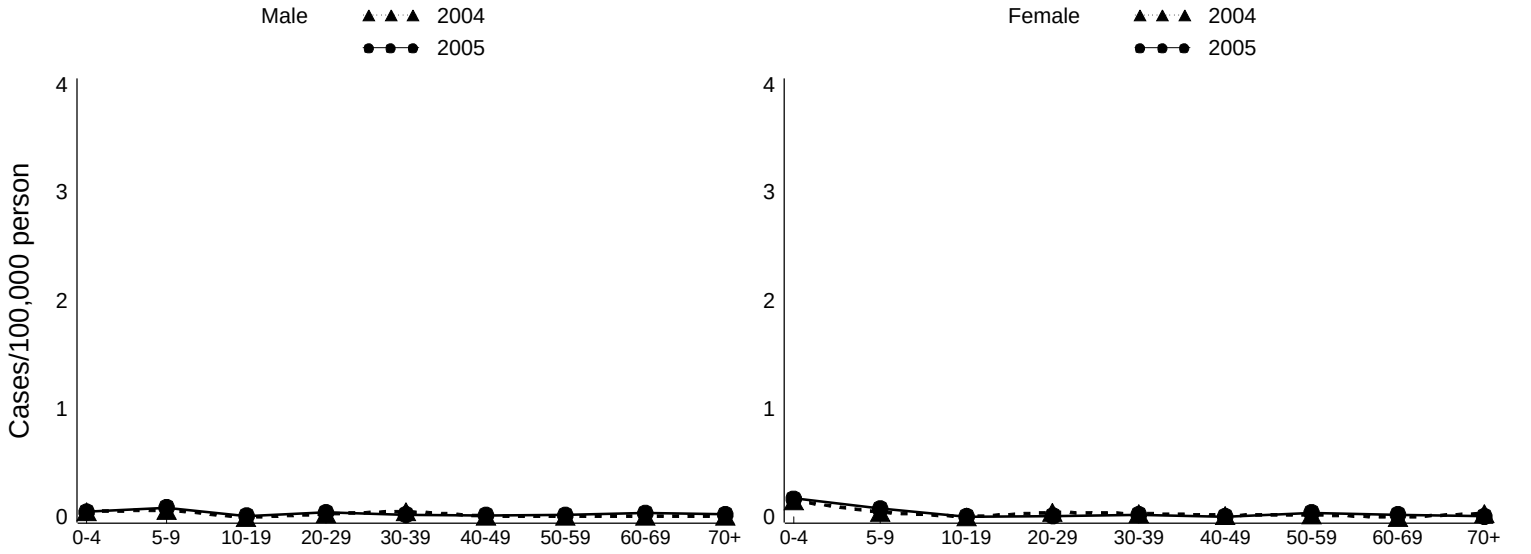


* Change exceeds 100%, +Percent increase cannot be calculated because 2004 rate is 0
# 2005 TN data entered but not available at CDC because of NEDSS PAM malfunction.

	2005		2004		5 year mean*	
Site	Cases	Rate^	Cases	Rate^	Cases	Rate^
CA	12	0.373	16	0.498	15	0.461
CO	2	0.079	2	0.079	3	0.121
CT	3	0.086	2	0.057	1	0.040
GA	48	0.553	37	0.426	37	0.437
MD	3	0.054	2	0.036	5	0.105
MN	1	0.020	2	0.040	2	0.044
NM	2	0.107	2	0.107	2	0.107
NY	3	0.070	1	0.023	1	0.024
OR	0	0.000	0	0.000	2	0.063
TN	0	0.000	16	0.274	15	0.386
ALL	74	0.194	80	0.182	84	0.215

*year 2000-2004 except for CO (2001-2004), NM (2004-)
^cases/100,000 person

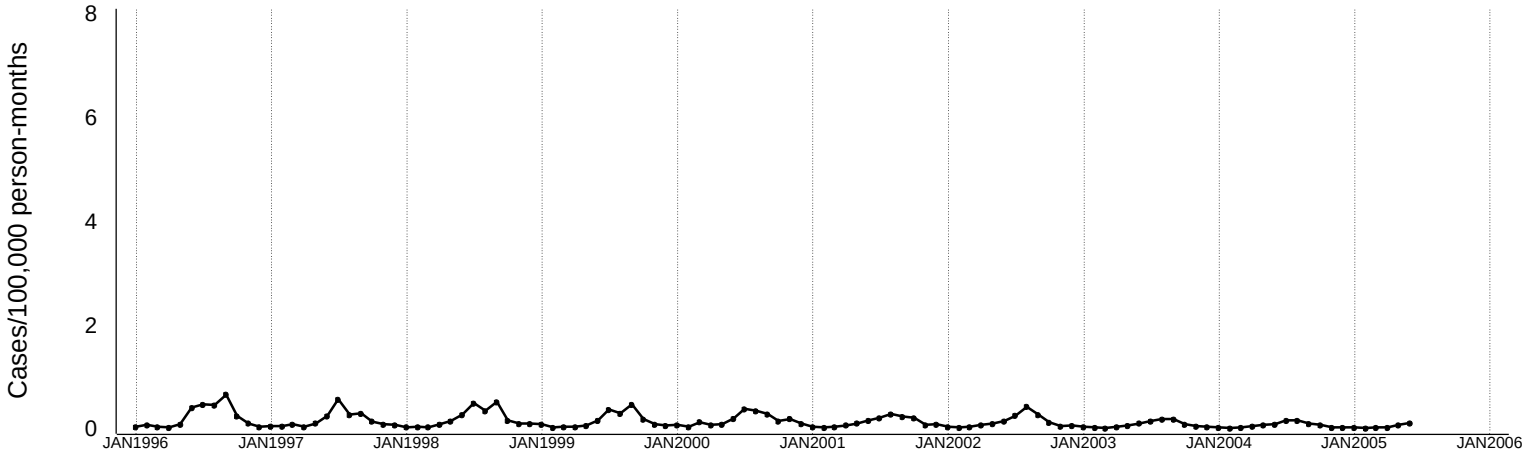
Calendar year through June: Rates for 2004 and 2005 by age group and sex



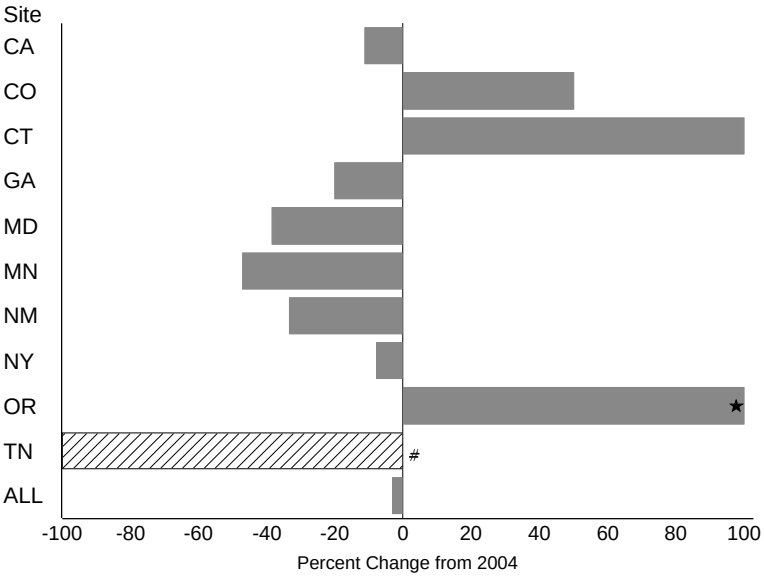
Data source: Preliminary FoodNet data, subject to change, not for public distribution.
Note: 2005 TN data entered but not available at CDC because of NEDSS PAM malfunction. Report date: 08-August-2005

E. coli O157

Incidence rate of culture-confirmed infections, FoodNet sites, January 1996-June 2005



Calendar year through June: Percent change in rates between 2004 and 2005 bv site

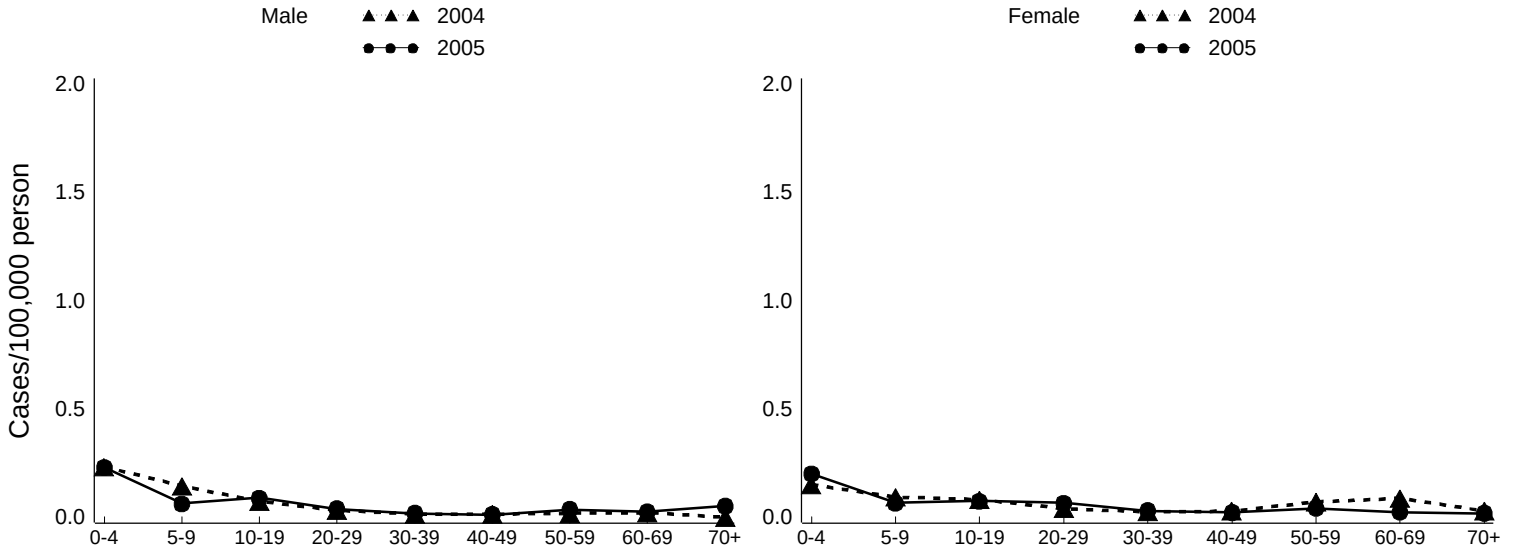


* Change exceeds 100%, +Percent increase cannot be calculated because 2004 rate is 0
# 2005 TN data entered but not available at CDC because of NEDSS PAM malfunction.

	2005		2004		5 year mean*	
Site	Cases	Rate^	Cases	Rate^	Cases	Rate^
CA	8	0.249	9	0.280	10	0.299
CO	12	0.475	8	0.317	13	0.548
CT	14	0.402	7	0.201	18	0.517
GA	12	0.138	15	0.173	16	0.188
MD	8	0.145	13	0.236	7	0.155
MN	18	0.356	34	0.672	47	0.947
NM	2	0.107	3	0.160	3	0.160
NY	24	0.556	26	0.603	20	0.678
OR	23	0.646	11	0.309	22	0.624
TN	0	0.000	18	0.308	13	0.334
ALL	121	0.317	144	0.327	168	0.445

*year 2000-2004 except for CO (2001-2004), NM (2004-)
^cases/100,000 person

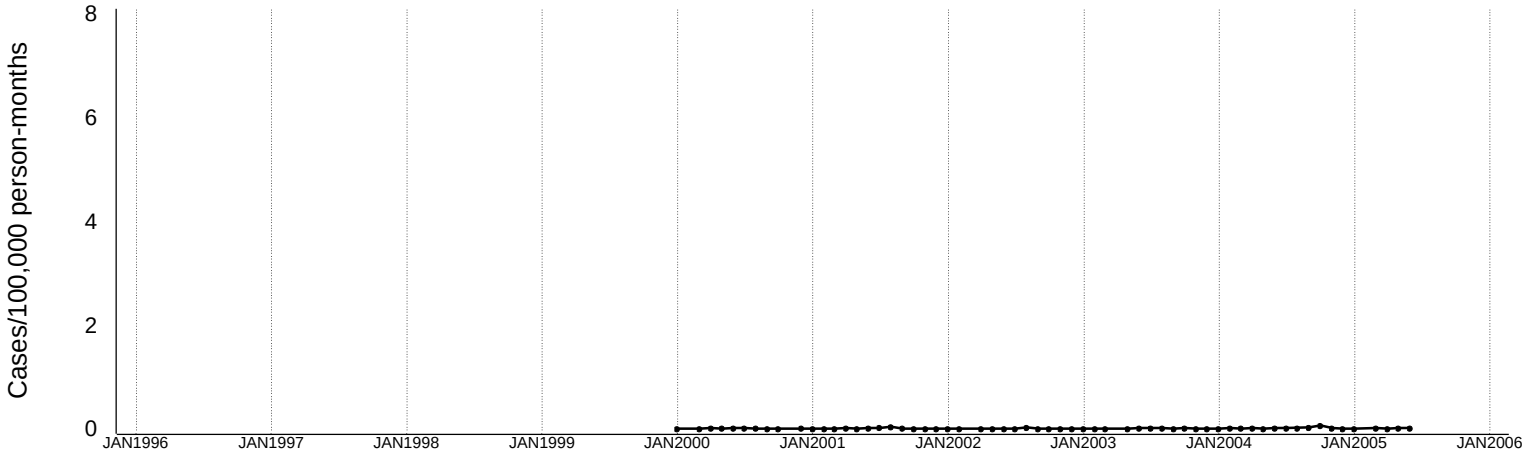
Calendar year through June: Rates for 2004 and 2005 by age group and sex



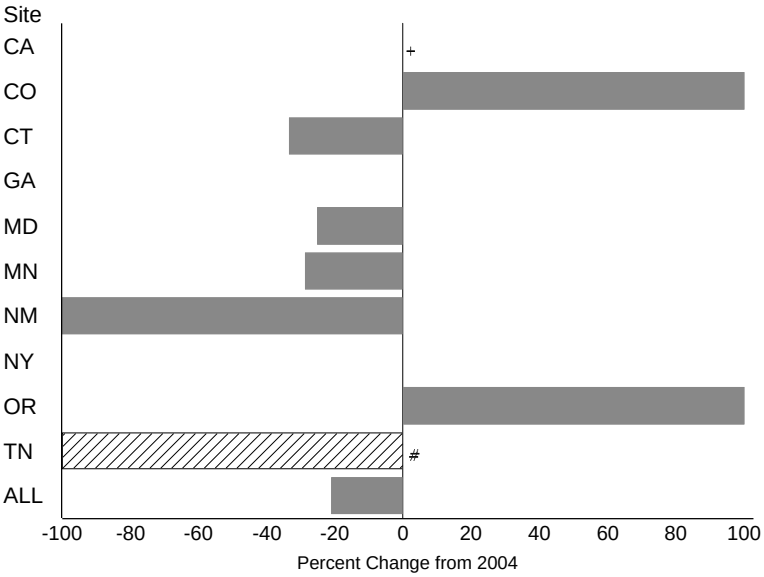
Data source: Preliminary FoodNet data, subject to change, not for public distribution.
Note: 2005 TN data entered but not available at CDC because of NEDSS PAM malfunction. Report date: 08-August-2005

STEC Non-O157

Incidence rate of culture-confirmed infections, FoodNet sites, January 1996-June 2005



Calendar year through June: Percent change in rates between 2004 and 2005 bv site

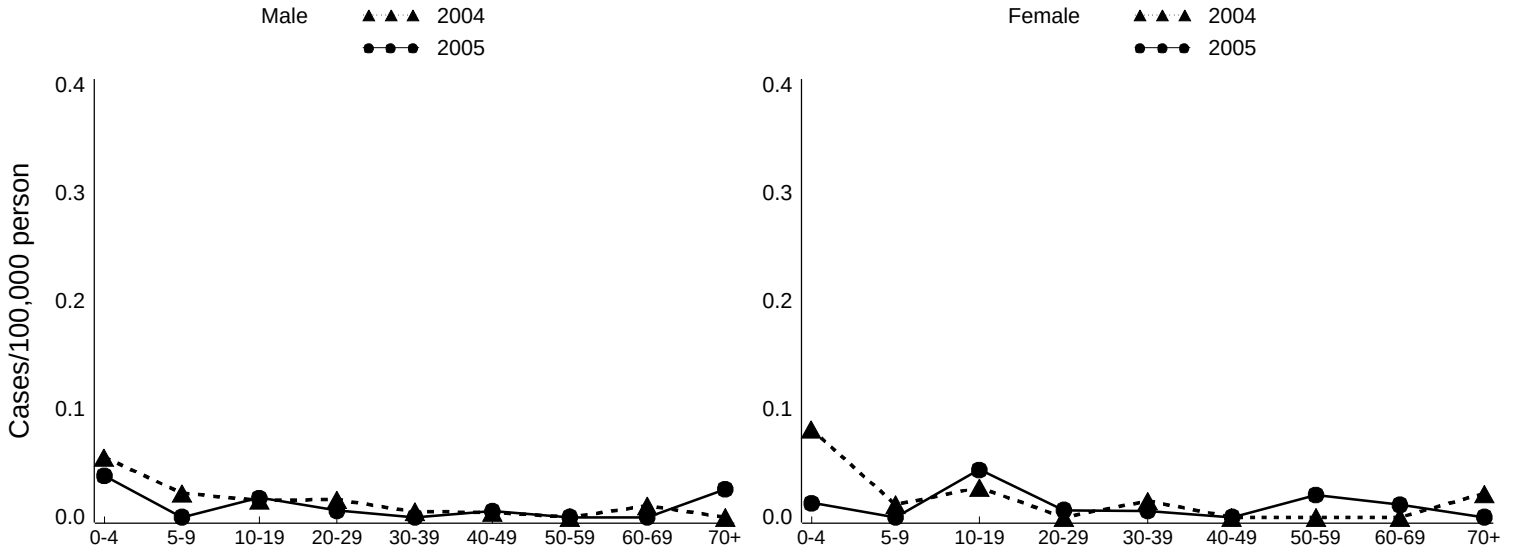


* Change exceeds 100%, +Percent increase cannot be calculated because 2004 rate is 0
# 2005 TN data entered but not available at CDC because of NEDSS PAM malfunction.

	2005		2004		5 year mean*	
Site	Cases	Rate^	Cases	Rate^	Cases	Rate^
CA	0	0.000	0	0.000	0	0.000
CO	2	0.079	1	0.040	1	0.031
CT	10	0.287	15	0.431	9	0.272
GA	1	0.012	1	0.012	1	0.016
MD	3	0.054	4	0.073	1	0.022
MN	5	0.099	7	0.138	5	0.108
NM	0	0.000	4	0.213	4	0.213
NY	1	0.023	1	0.023	0	0.010
OR	2	0.056	1	0.028	2	0.046
TN	0	0.000	1	0.017	0	0.007
ALL	24	0.063	35	0.079	24	0.055

*year 2000-2004 except for CO (2001-2004), NM (2004-)
^cases/100,000 person

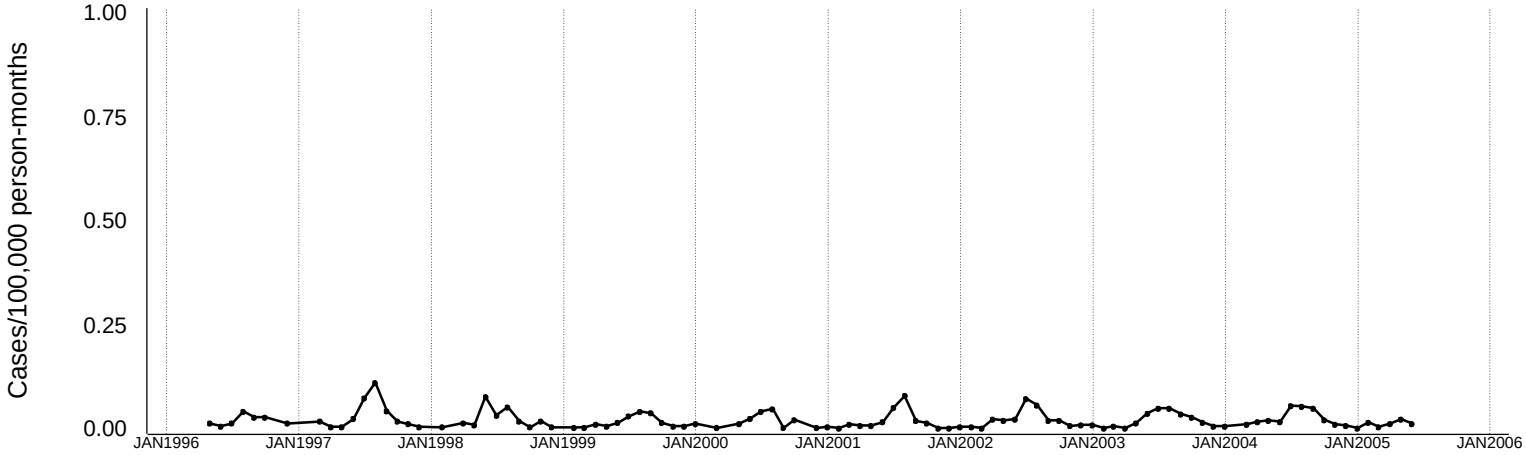
Calendar year through June: Rates for 2004 and 2005 by age group and sex



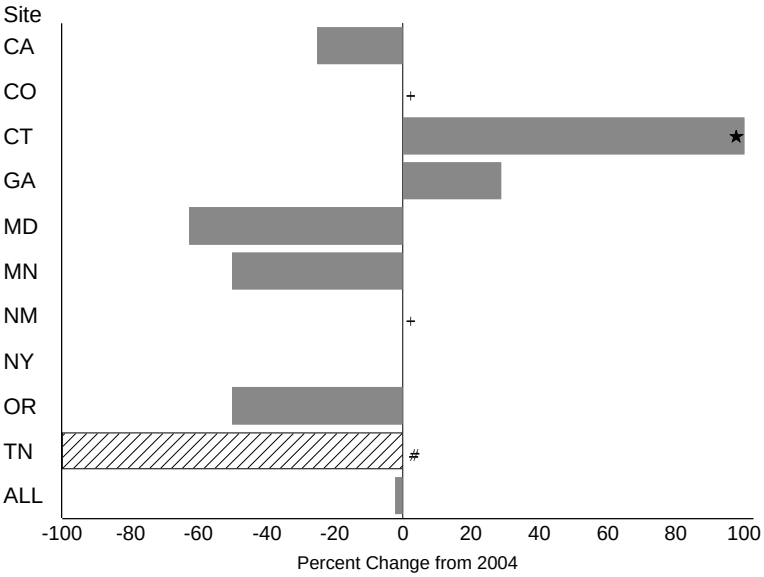
Data source: Preliminary FoodNet data, subject to change, not for public distribution.
Note: 2005 TN data entered but not available at CDC because of NEDSS PAM malfunction. Report date: 08-August-2005

Vibrio, all species

Incidence rate of culture-confirmed infections, FoodNet sites, January 1996-June 2005



Calendar year through June: Percent change in rates between 2004 and 2005 bv site

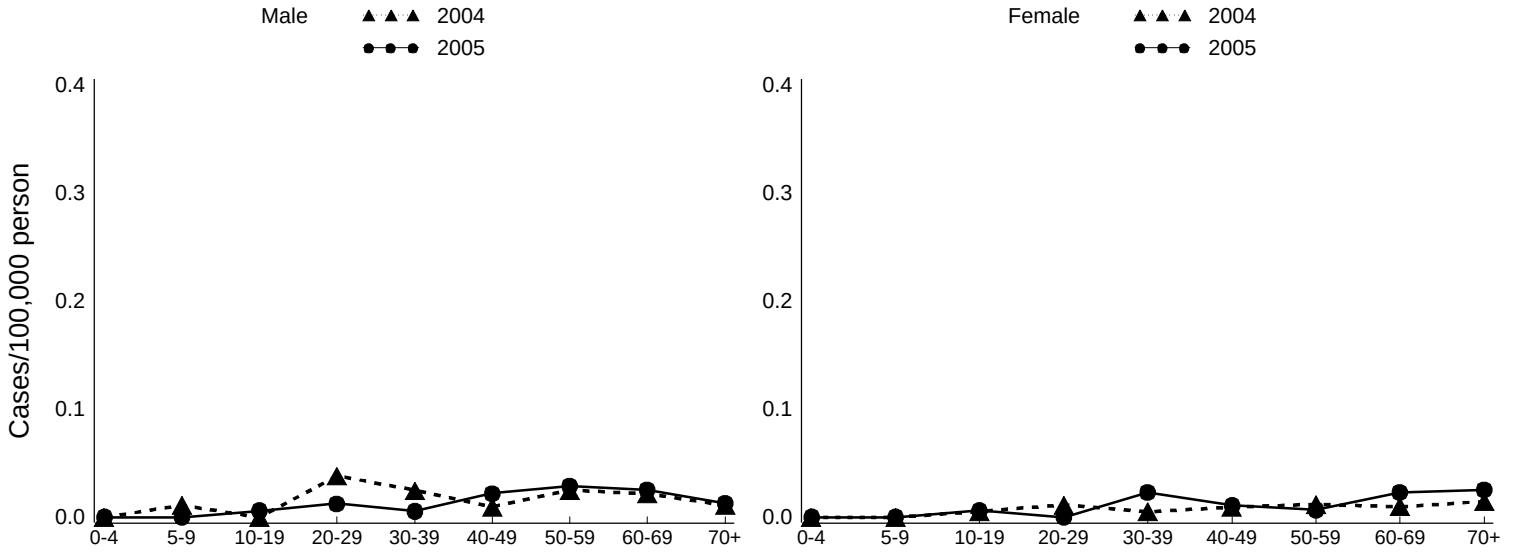


* Change exceeds 100%, +Percent increase cannot be calculated because 2004 rate is 0
# 2005 TN data entered but not available at CDC because of NEDSS PAM malfunction.

	2005		2004		5 year mean*	
Site	Cases	Rate^	Cases	Rate^	Cases	Rate^
CA	6	0.187	8	0.249	5	0.143
CO	2	0.079	0	0.000	1	0.022
CT	5	0.144	2	0.057	2	0.064
GA	9	0.104	7	0.081	6	0.070
MD	3	0.054	8	0.145	5	0.121
MN	1	0.020	2	0.040	2	0.040
NM	0	0.000	0	0.000	0	0.000
NY	1	0.023	1	0.023	1	0.033
OR	1	0.028	2	0.056	2	0.051
TN	0	0.000	3	0.051	3	0.062
ALL	28	0.073	33	0.075	26	0.068

*year 2000-2004 except for CO (2001-2004), NM (2004-)
^cases/100,000 person

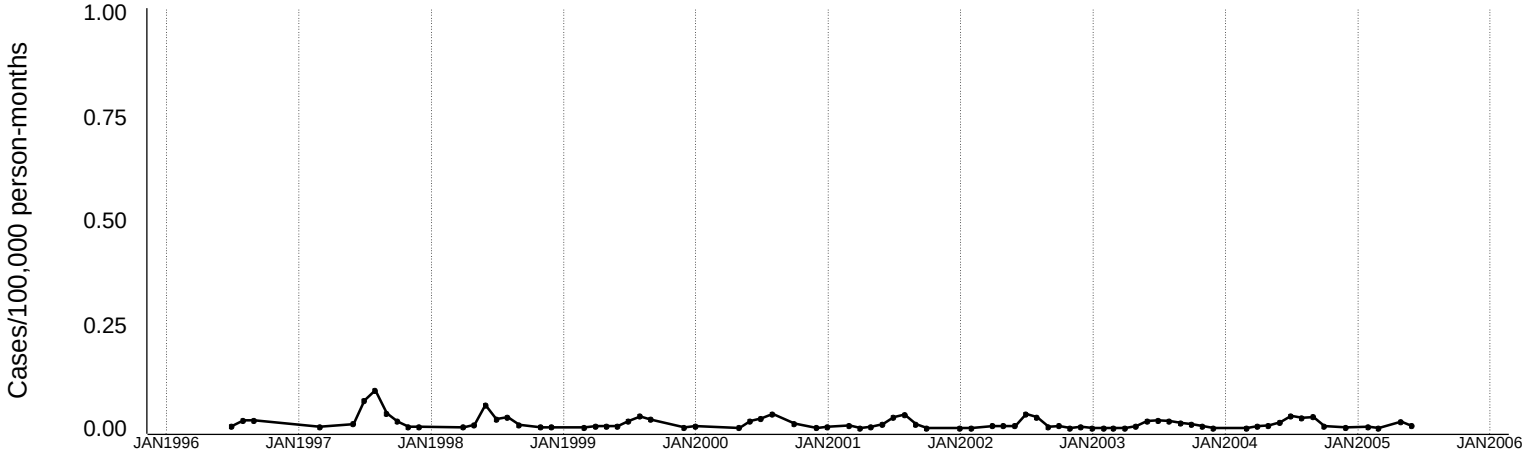
Calendar year through June: Rates for 2004 and 2005 by age group and sex



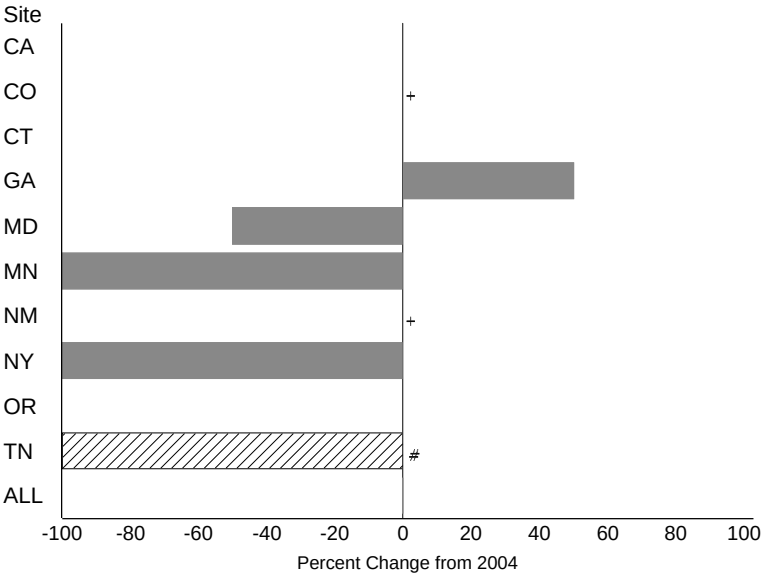
Data source: Preliminary FoodNet data, subject to change, not for public distribution.
Note: 2005 TN data entered but not available at CDC because of NEDSS PAM malfunction. Report date: 08-August-2005

Vibrio parahaemolyticus

Incidence rate of culture-confirmed infections, FoodNet sites, January 1996-June 2005



Calendar year through June: Percent change in rates between 2004 and 2005 bv site

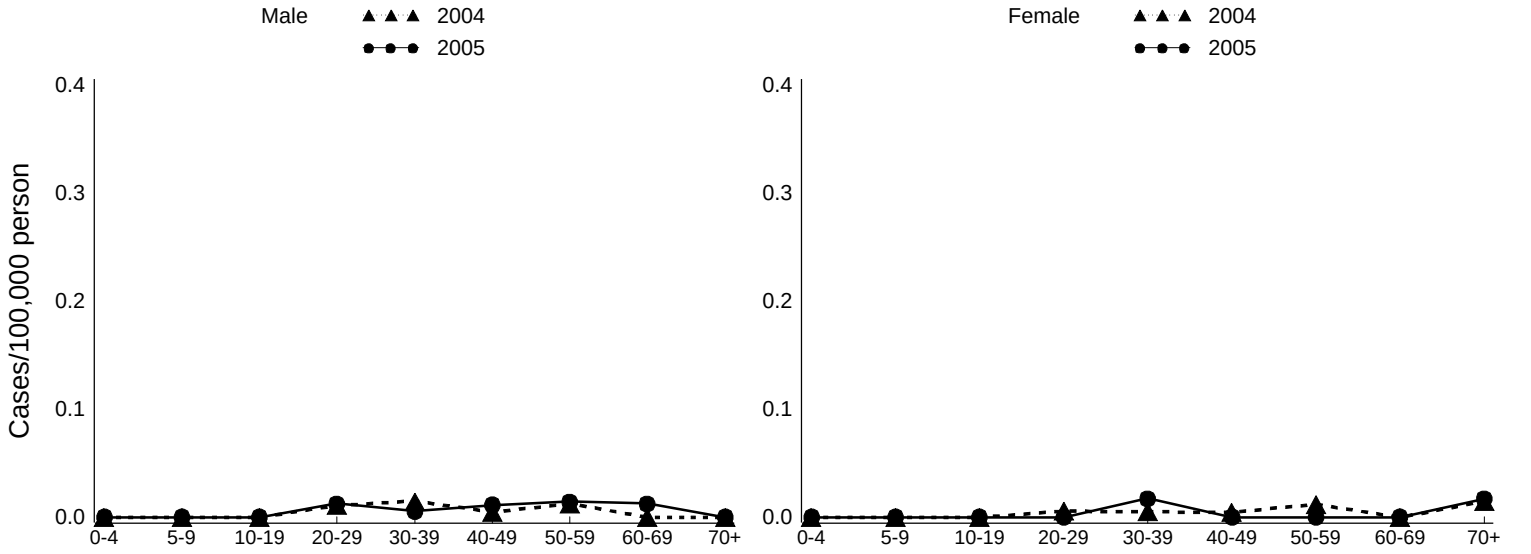


* Change exceeds 100%, +Percent increase cannot be calculated because 2004 rate is 0
# 2005 TN data entered but not available at CDC because of NEDSS PAM malfunction.

	2005		2004		5 year mean*	
Site	**Cases**	**Rate^**	**Cases**	**Rate^**	**Cases**	**Rate^**
CA	4	0.124	4	0.124	3	0.100
CO	2	0.079	0	0.000	0	0.000
CT	1	0.029	1	0.029	1	0.035
GA	3	0.035	2	0.023	2	0.019
MD	2	0.036	4	0.073	3	0.072
MN	0	0.000	1	0.020	1	0.020
NM	0	0.000	0	0.000	0	0.000
NY	0	0.000	1	0.023	1	0.016
OR	1	0.028	1	0.028	1	0.017
TN	0	0.000	1	0.017	1	0.021
ALL	13	0.034	15	0.034	12	0.033

*year 2000-2004 except for CO (2001-2004), NM (2004-)
^cases/100,000 person

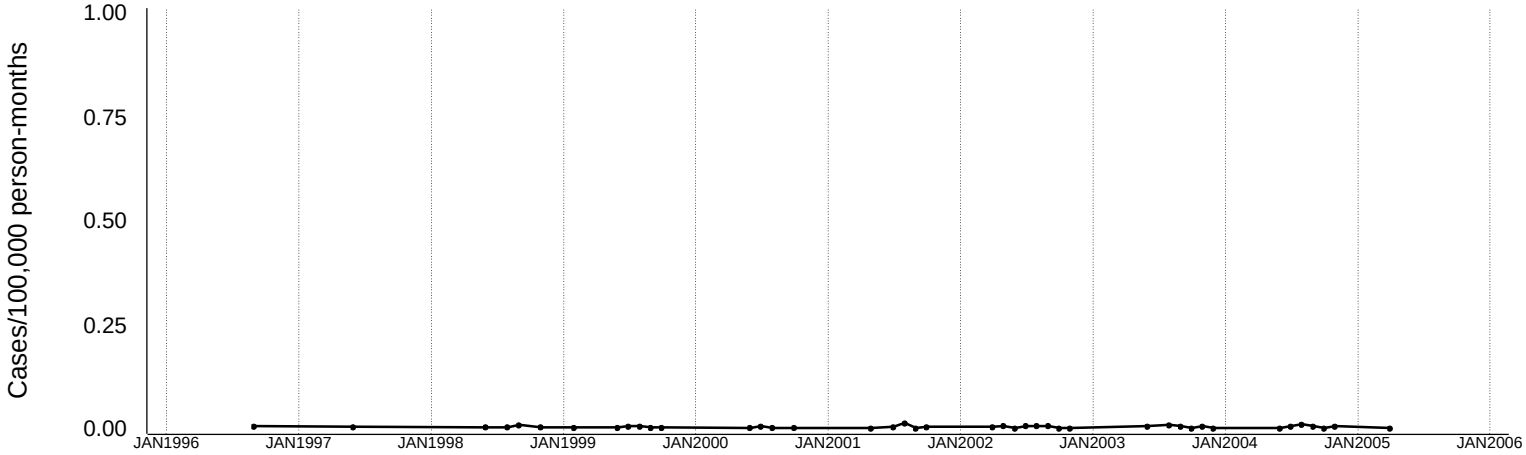
Calendar year through June: Rates for 2004 and 2005 by age group and sex



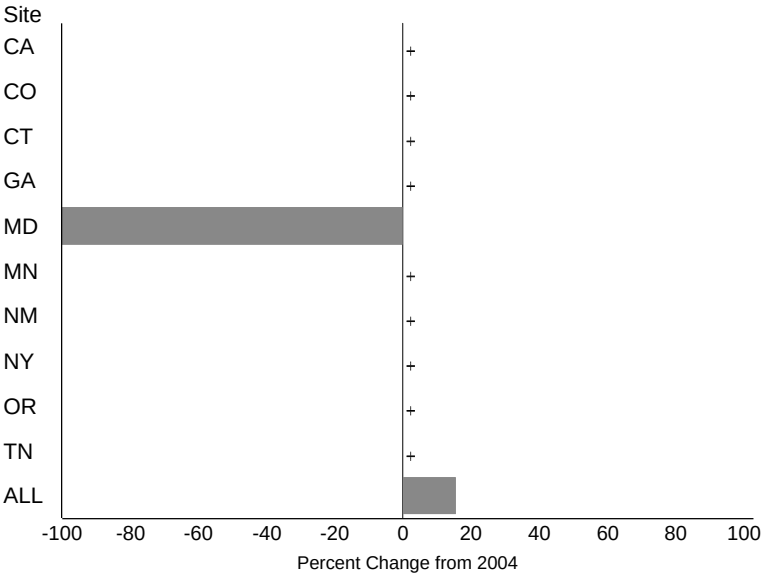
Data source: Preliminary FoodNet data, subject to change, not for public distribution.
Note: 2005 TN data entered but not available at CDC because of NEDSS PAM malfunction. Report date: 08-August-2005

Vibrio vulnificus

Incidence rate of culture-confirmed infections, FoodNet sites, January 1996-June 2005



Calendar year through June: Percent change in rates between 2004 and 2005 bv site

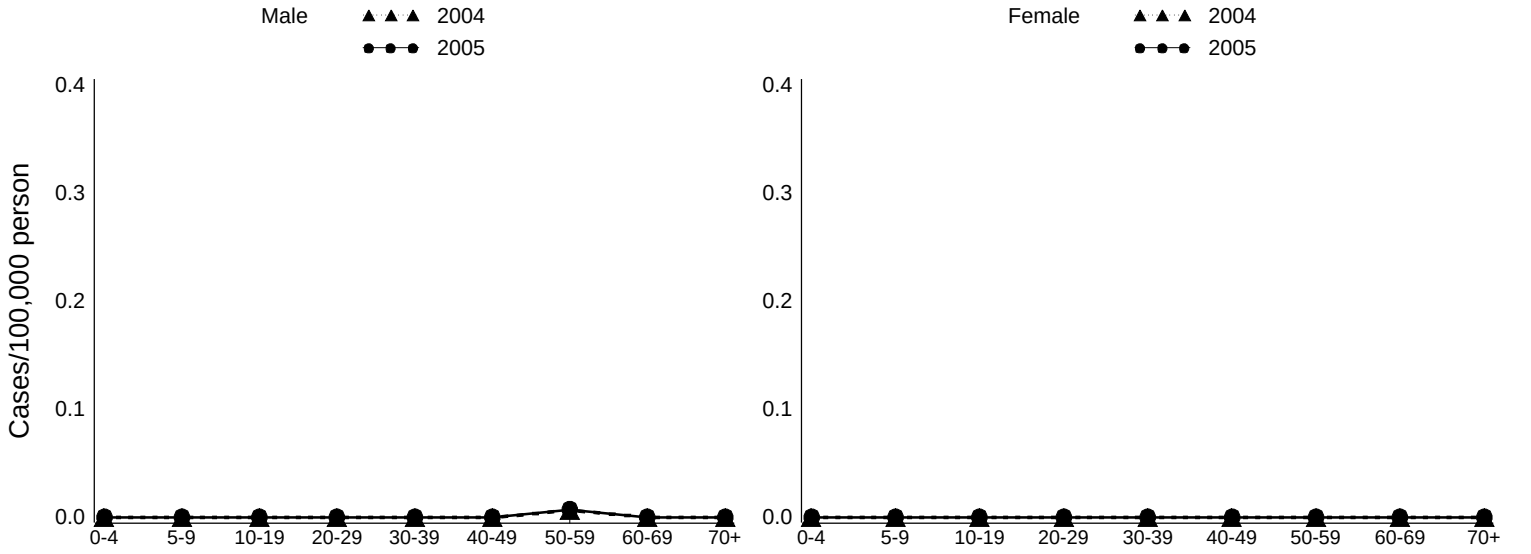


* Change exceeds 100%, +Percent increase cannot be calculated because 2004 rate is 0
# 2005 TN data entered but not available at CDC because of NEDSS PAM malfunction.

	2005		2004		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	1	0.012	0	0.000	1	0.009
MD	0	0.000	1	0.018	1	0.015
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	0.006
TN	0	0.000	0	0.000	1	0.017
ALL	1	0.003	1	0.002	2	0.006

*year 2000-2004 except for CO (2001-2004), NM (2004-)
^cases/100,000 person

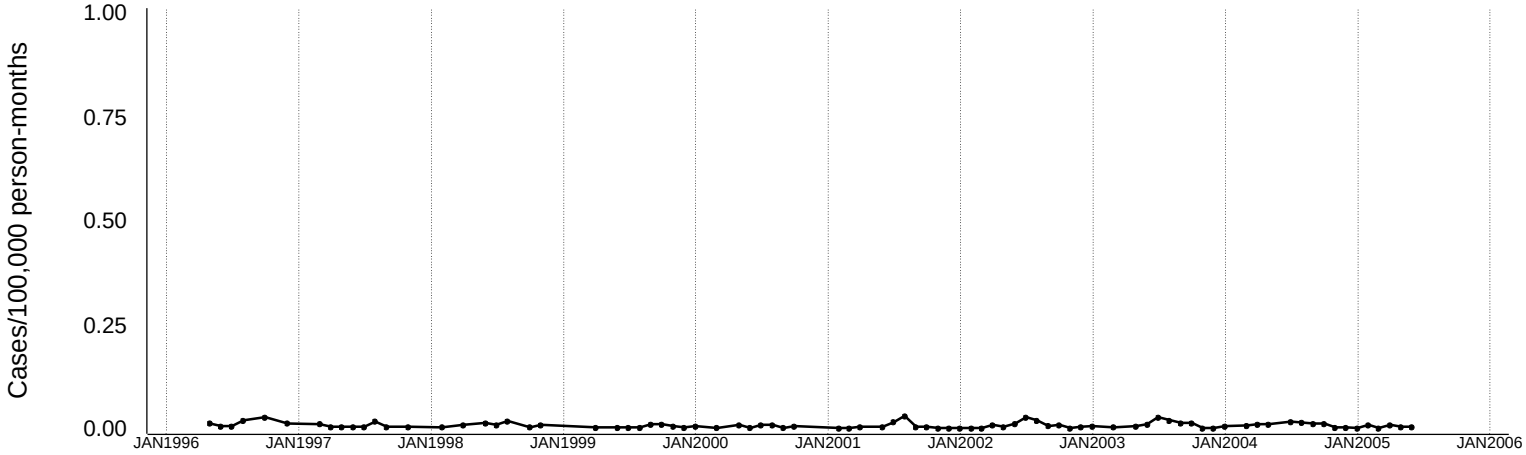
Calendar year through June: Rates for 2004 and 2005 by age group and sex



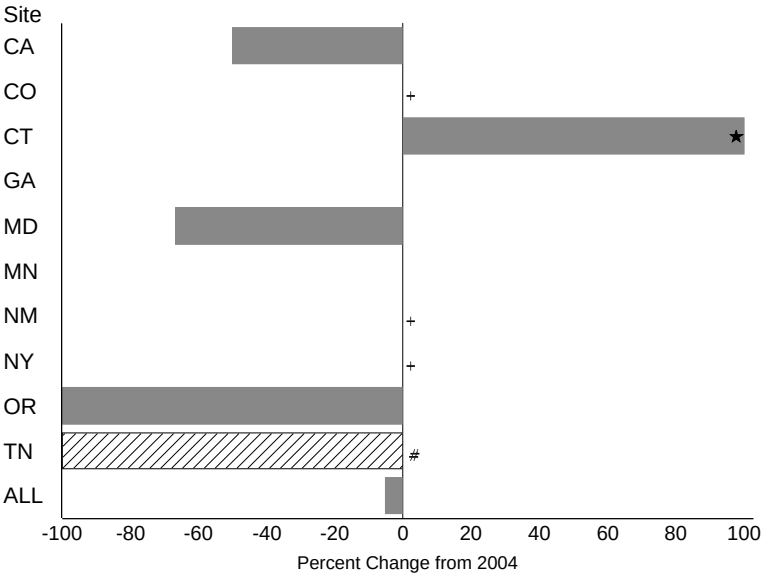
Data source: Preliminary FoodNet data, subject to change, not for public distribution.
Note: 2005 TN data entered but not available at CDC because of NEDSS PAM malfunction. Report date: 08-August-2005

Vibrio, all others

Incidence rate of culture-confirmed infections, FoodNet sites, January 1996-June 2005



Calendar year through June: Percent change in rates between 2004 and 2005 bv site

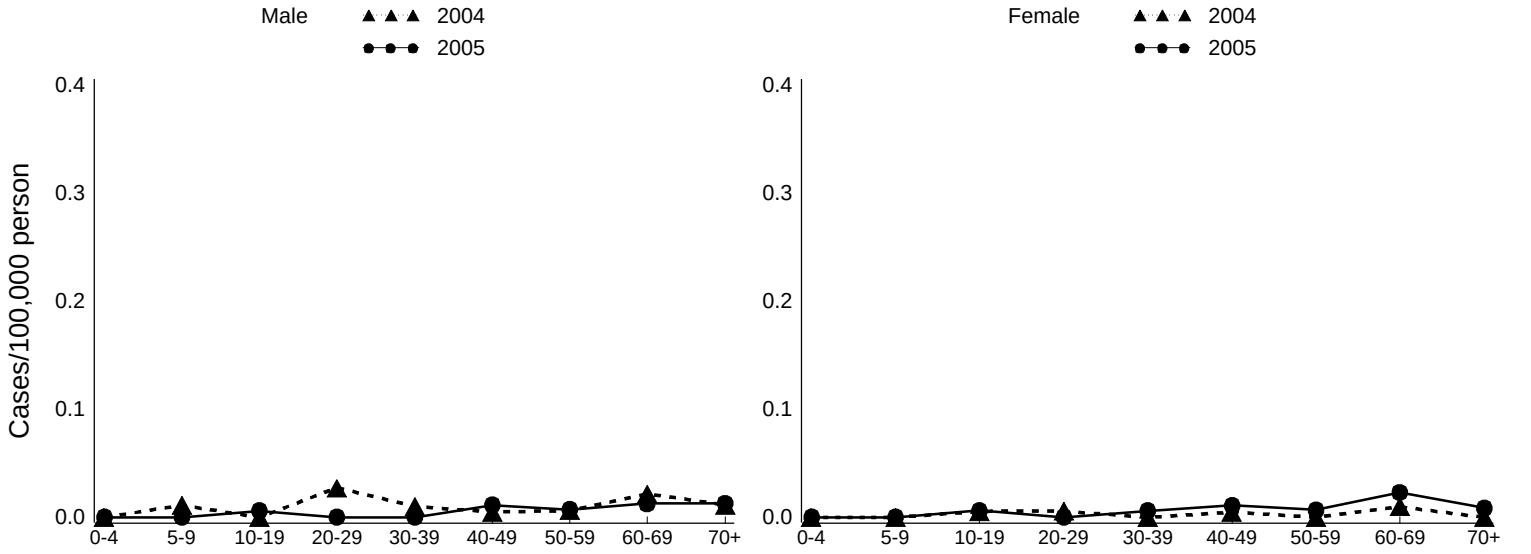


* Change exceeds 100%, +Percent increase cannot be calculated because 2004 rate is 0
# 2005 TN data entered but not available at CDC because of NEDSS PAM malfunction.

	2005		2004		5 year mean*	
Site	Cases	Rate^	Cases	Rate^	Cases	Rate^
CA	2	0.062	4	0.124	1	0.044
CO	0	0.000	0	0.000	1	0.022
CT	4	0.115	1	0.029	1	0.029
GA	5	0.058	5	0.058	4	0.042
MD	1	0.018	3	0.054	1	0.034
MN	1	0.020	1	0.020	1	0.020
NM	0	0.000	0	0.000	0	0.000
NY	1	0.023	0	0.000	1	0.017
OR	0	0.000	1	0.028	1	0.028
TN	0	0.000	2	0.034	1	0.024
ALL	14	0.037	17	0.039	12	0.029

*year 2000-2004 except for CO (2001-2004), NM (2004-)
^cases/100,000 person

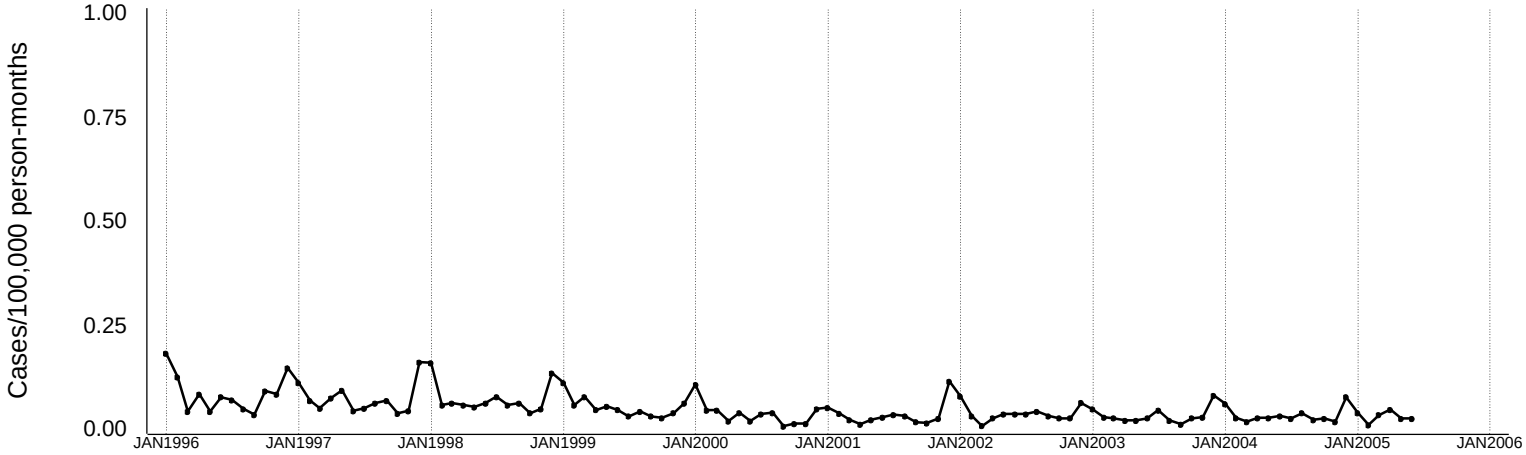
Calendar year through June: Rates for 2004 and 2005 by age group and sex



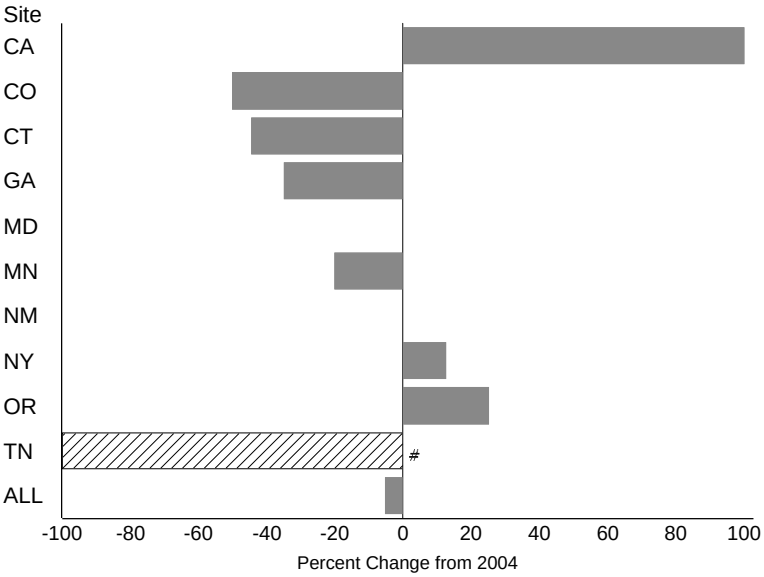
Data source: Preliminary FoodNet data, subject to change, not for public distribution.
Note: 2005 TN data entered but not available at CDC because of NEDSS PAM malfunction. Report date: 08-August-2005

Yersinia

Incidence rate of culture-confirmed infections, FoodNet sites, January 1996-June 2005



Calendar year through June: Percent change in rates between 2004 and 2005 bv site

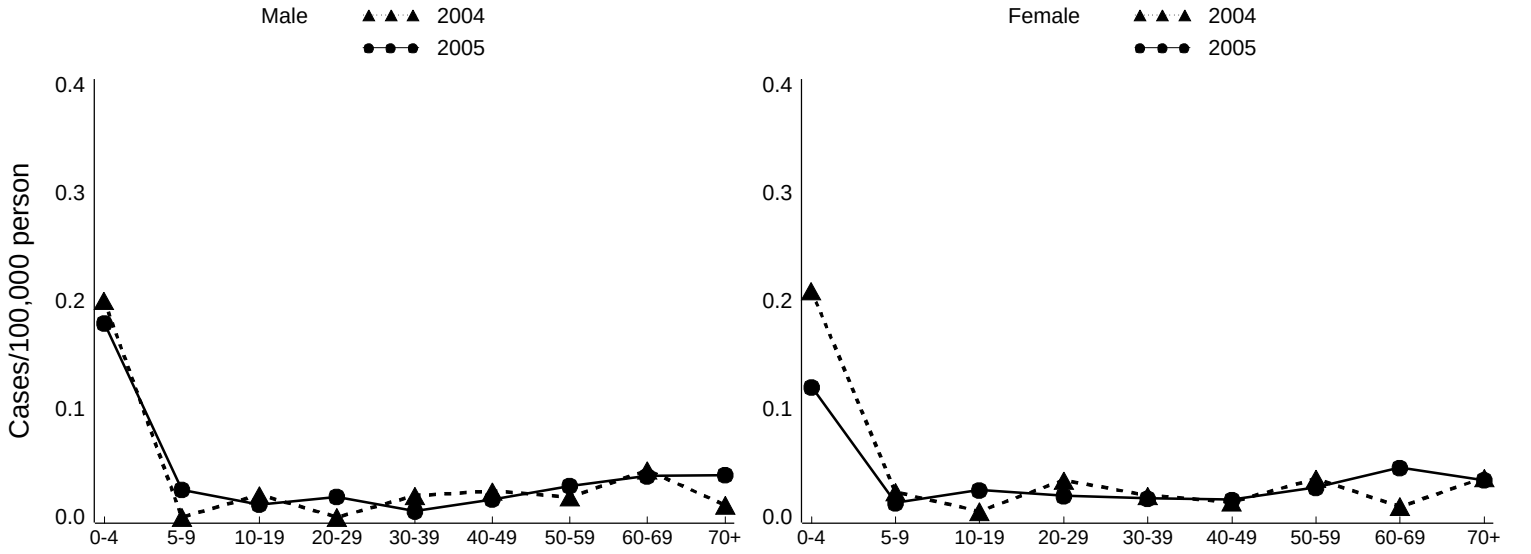


* Change exceeds 100%, +Percent increase cannot be calculated because 2004 rate is 0
# 2005 TN data entered but not available at CDC because of NEDSS PAM malfunction.

	2005		2004		5 year mean*	
Site	Cases	Rate^	Cases	Rate^	Cases	Rate^
CA	18	0.560	9	0.280	11	0.337
CO	2	0.079	4	0.158	3	0.136
CT	5	0.144	9	0.258	7	0.197
GA	15	0.173	23	0.265	22	0.261
MD	2	0.036	2	0.036	6	0.143
MN	8	0.158	10	0.198	8	0.152
NM	1	0.053	1	0.053	1	0.053
NY	9	0.209	8	0.185	5	0.162
OR	10	0.281	8	0.225	6	0.177
TN	0	0.000	11	0.188	10	0.243
ALL	70	0.183	85	0.193	79	0.207

*year 2000-2004 except for CO (2001-2004), NM (2004-)
^cases/100,000 person

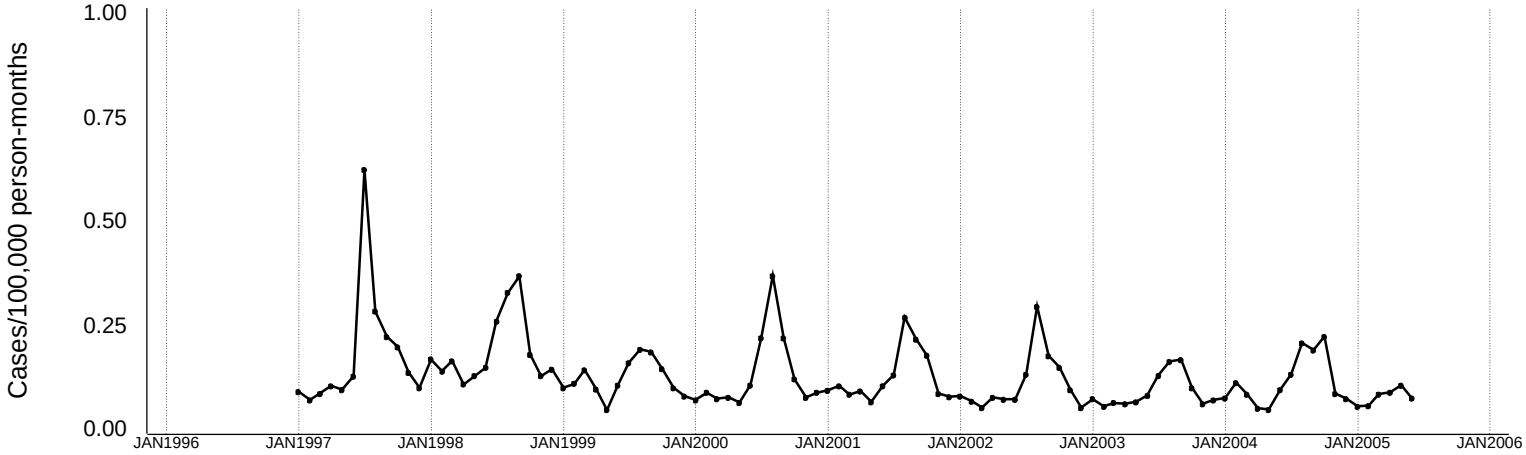
Calendar year through June: Rates for 2004 and 2005 by age group and sex



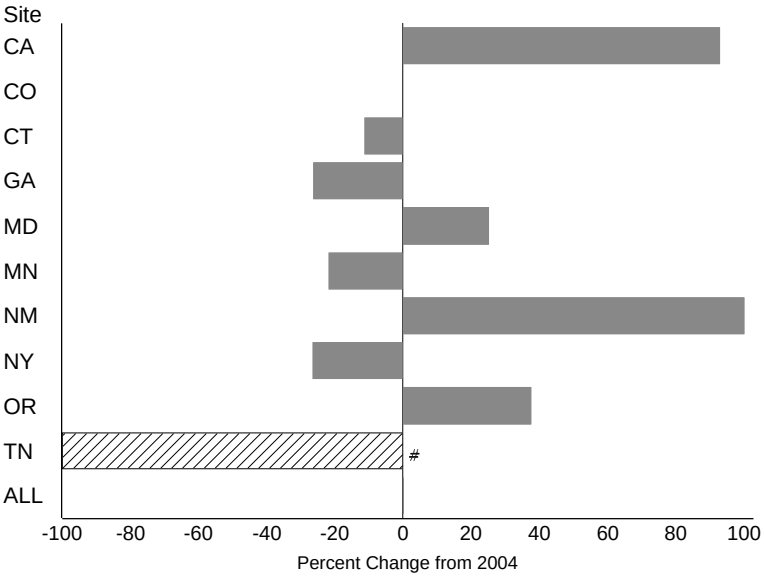
Data source: Preliminary FoodNet data, subject to change, not for public distribution.
Note: 2005 TN data entered but not available at CDC because of NEDSS PAM malfunction. Report date: 08-August-2005

Cryptosporidium

Incidence rate of culture-confirmed infections, FoodNet sites, January 1996-June 2005



Calendar year through June: Percent change in rates between 2004 and 2005 bv site

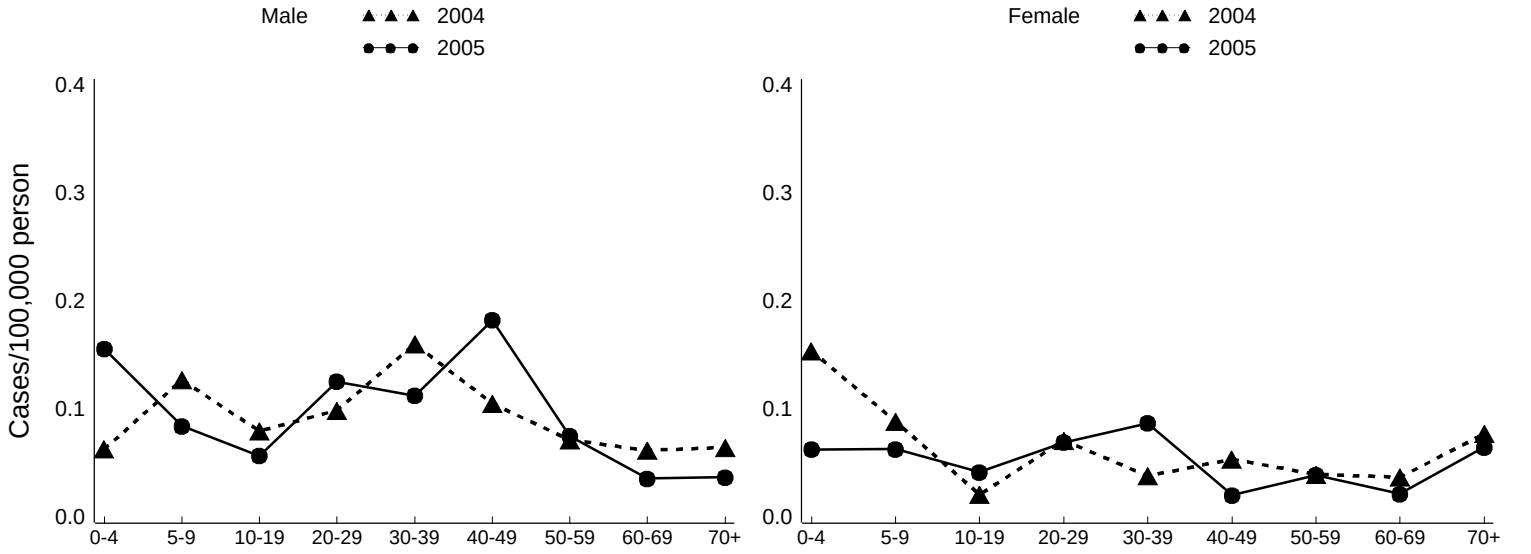


* Change exceeds 100%, +Percent increase cannot be calculated because 2004 rate is 0
# 2005 TN data entered but not available at CDC because of NEDSS PAM malfunction.

	2005		2004		5 year mean*	
Site	Cases	Rate^	Cases	Rate^	Cases	Rate^
CA	27	0.483	14	0.250	24	0.386
CO	9	0.356	9	0.356	7	0.300
CT	8	0.230	9	0.258	6	0.162
GA	45	0.518	61	0.702	57	0.671
MD	10	0.182	8	0.145	9	0.191
MN	47	0.929	60	1.186	49	0.969
NM	6	0.320	3	0.160	3	0.160
NY	14	0.325	19	0.440	9	0.259
OR	22	0.618	16	0.449	16	0.460
TN	0	0.000	16	0.274	12	0.278
ALL	188	0.463	215	0.463	190	0.460

*year 2000-2004 except for CO (2001-2004), NM (2004-)
^cases/100,000 person

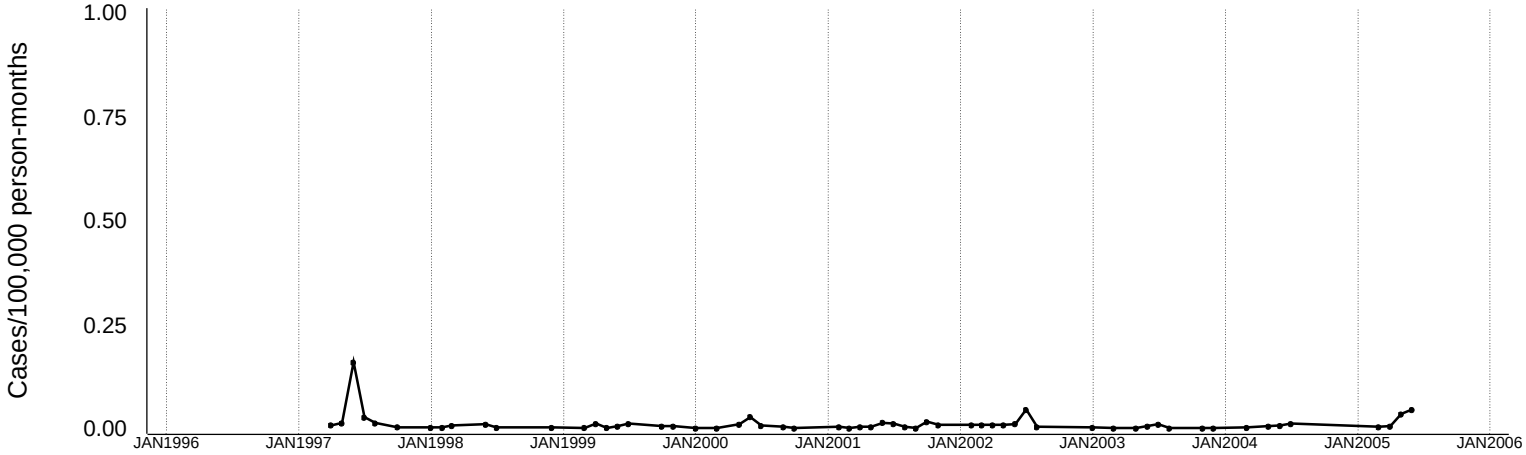
Calendar year through June: Rates for 2004 and 2005 by age group and sex



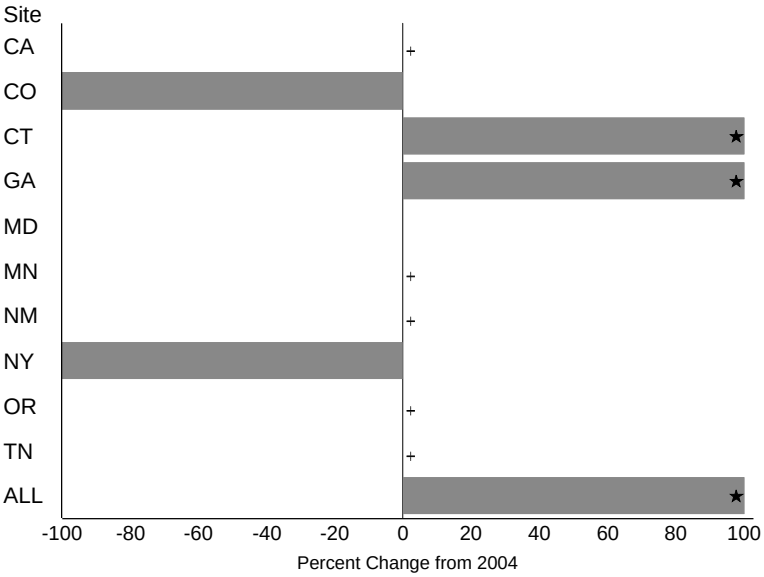
Data source: Preliminary FoodNet data, subject to change, not for public distribution.
Note: 2005 TN data entered but not available at CDC because of NEDSS PAM malfunction. Report date: 08-August-2005

Cyclospora

Incidence rate of culture-confirmed infections, FoodNet sites, January 1996-June 2005



Calendar year through June: Percent change in rates between 2004 and 2005 bv site

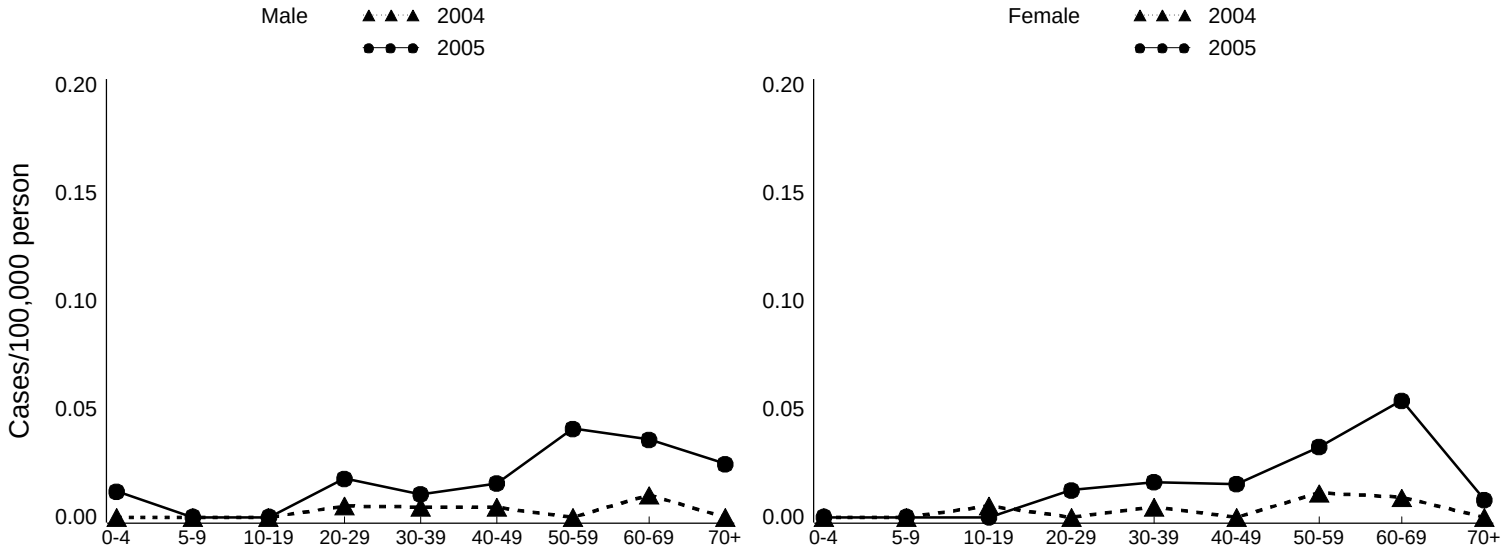


* Change exceeds 100%, +Percent increase cannot be calculated because 2004 rate is 0
# 2005 TN data entered but not available at CDC because of NEDSS PAM malfunction.

	2005		2004		5 year mean*	
Site	Cases	Rate^	Cases	Rate^	Cases	Rate^
CA	1	0.018	0	0.000	2	0.029
CO	0	0.000	2	0.079	1	0.020
CT	23	0.660	3	0.086	2	0.063
GA	8	0.092	1	0.012	7	0.088
MD	2	0.036	2	0.036	1	0.015
MN	0	0.000	0	0.000	0	0.000
NM	1	0.053	0	0.000	0	0.000
NY	0	0.000	1	0.023	0	0.014
OR	4	0.112	0	0.000	0	0.000
TN	0	0.000	0	0.000	0	0.007
ALL	39	0.096	9	0.019	13	0.034

*year 2000-2004 except for CO (2001-2004), NM (2004-)
^cases/100,000 person

Calendar year through June: Rates for 2004 and 2005 by age group and sex



Data source: Preliminary FoodNet data, subject to change, not for public distribution.
Note: 2005 TN data entered but not available at CDC because of NEDSS PAM malfunction. Report date: 08-August-2005

Table 1. Summary of Foodborne Outbreaks with ≥ 2 ill, by FoodNet Site, 2005

***Data accessed August 5th, 2005**
***Preliminary data**

State	Outbreaks reported	2005 population	Rate/1,000,000 population	Median Number Ill	Known etiology No. (%)	Etiology (confirmed)	Known vehicle No. (%)	Restaurant-associated No. (%)
CA	5	3,228,717	1.55	10	0 (0)		1 (20)	4 (80)
CO	2	2,507,484	0.80	12	0 (-)		0 (-)	2 (100)
CT	10	3,460,503	2.89	8	9 (90)	*Calicivirus, Norovirus* (6) *E. coli.*, Enterohemorrhagic (e.g. O157 or other STEC) (1) *Cyclospora* (1) *Salmonella* (1)	0 (0)	6 (60)
GA	13	8,560,310	1.52	7	5 (38)	*Salmonella* (3) *Calicivirus, Norovirus* (1) *Clostridium perfringens* (1)	0 (0)	6 (46)
MD	9	5,458,137	1.65	9	5 (56)	*Calicivirus, Norovirus* (3) *Clostridium perfringens* (1) *Campylobacter* (1)	0 (0)	8 (88)
MN	27	5,019,720	5.38	7	18 (67)	*Calicivirus, Norovirus* (13) *Clostridium perfringens* (2) *Salmonella* (2) Scromboid toxin (1)	14 (52)	21 (78)
NM	0	1,855,059	0.00	0	0 (-)		0 (-)	0 (-)
NY	6	4,312,301	1.39	7	5 (83)	*Salmonella* (3) *E. coli.*, Enterohemorrhagic (e.g. O157 or other STEC) (1) Hepatitis A (1)	1 (-)	2 (33)
OR	24	3,521,515	6.82	6	12 (50)	*Calicivirus, Norovirus* (10) *Salmonella* (1) E. coli., *Enterotoxigenic* (1)	3 (13)	14 (58)
TN	10	5,797,289	1.72	23	6 (60)	*Calicivirus, Norovirus* (3) Hepatitis A (2) *Salmonella* (1)	0 (0)	5 (50)
Total	**106**	**43,721,035**	**2.42**	**8**	**60 (57)**		**19 (18)**	**68 (64)**

Table 2. Summary of Foodborne Outbreaks with ≥10 ill, by FoodNet Site, 2005

*** Data accessed August 5th, 2005**
*** 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	3	3,228,717	0.93	32	0 (-)	1 (33)	2 (67)
CO	1	2,507,484	0.40	22	0 (-)	0 (-)	1 (100)
CT	4	3,460,503	1.16	17	4 (100)	0 (0)	3 (75)
GA	6	8,560,310	0.70	39	3 (50)	0 (0)	2 (33)
MD	4	5,458,137	0.73	19	2 (50)	0 (0)	3 (75)
MN	10	5,019,720	1.99	17.5	9 (90)	7 (70)	9 (90)
NM	0	1,855,059	0.00	0	0 (-)	0 (-)	0 (-)
NY	1	4,312,301	0.23	27	0 (-)	0 (-)	1 (100)
OR	9	3,521,515	2.56	18	7 (78)	2 (22)	5 (56)
TN	8	5,797,289	1.38	28	5 (63)	0 (0)	3 (38)
Total	**46**	**43,721,035**	**1.05**	**22**	**30 (65)**	**10 (22)**	**29 (63)**

Linelist of Outbreaks reported in eFORS, year to date, 2005
*as of August 5, 2005

CALIFORNIA

State OB Code	eFORS OB code	First Case Onset	County	# Lab cases	Total Ill	Etiology	Confirmed
ALA1605-044	5886	2/28/2005	ALAMEDA	0	32	B.cereus	N
SFX0105-015	5736	1/7/2005	SAN FRANCISCO	1	40	Calicivirus, Norovirus	N
SFX0905-001	5619	2/19/2005	SAN FRANCISCO	0	4	Calicivirus, Norovirus	N
SFX1105-017	5738	1/30/2005	SAN FRANCISCO	0	9	B.cereus	N
SFX2705-065	6079	6/10/2005	SAN FRANCISCO	4	10	Calicivirus, Norovirus	N

COLORADO

State OB Code	eFORS OB code	First Case Onset	County	# Lab cases	Total Ill	Etiology	Confirmed
05DENVER01	5661	1/9/2005	DENVER	0	22		N
05TCHD01	6041	6/4/2005	ARAPAHOE	1	2	Unknown Campylobacter	N

CONNECTICUT

State OB Code	eFORS OB code	First Case Onset	County	# Lab cases	Total Ill	Etiology	Confirmed
CT05-01	5125	1/1/2005	HARTFORD	3	9	Calicivirus, Norovirus	Y
CT05-02	5283	1/15/2005	HARTFORD	2	3	Calicivirus, Norovirus	Y
CT05-03	5374	1/15/2005	NEW HAVEN	6	7	Enterohemorrhagic E.coli (eg. O157:H7)	Y
CT05-04	5583	2/20/2005	FAIRFIELD	10	22	Calicivirus, Norovirus	Y
CT05-05	5686	2/28/2005	FAIRFIELD	0	3	Calicivirus, Norovirus	N
CT05-06	5749	3/15/2005	TOLLAND	2	6	Calicivirus, Norovirus	Y
CT05-07	5782	3/17/2005	NEW HAVEN	2	12	Calicivirus, Norovirus	Y
CT05-08	5869	4/17/2005	FAIRFIELD	2	10	Calicivirus, Norovirus	Y
CT05-09	6059	6/9/2005	NEW HAVEN	13	30	Cyclospora cayatenensis	Y
CT05-10	6100	6/6/2005	NEW LONDON	5	5	Salmonella	Y

GEORGIA

State OB Code	eFORS OB code	First Case Onset	County	# Lab cases	Total Ill	Etiology	Confirmed
2005007	5227	1/12/2005	FULTON	4	200	Calicivirus, Norovirus	Y
2005013	5339	1/23/2005	MUSCOGEE	0	7		N
2005019	5543	1/24/2005	ROCKDALE	1	7	Calicivirus, Norovirus	N
2005028	5673	2/5/2005	GWINNETT	0	17	Calicivirus, Norovirus	N
2005054	5776	3/21/2005	FULTON	0	2	Staphylococcus aureus	N
2005057	5804	4/1/2005	FULTON	0	3		N

2005068	5938	4/3/2005	RICHMOND	4	4	Salmonella	Y
2005071	5972	5/19/2005	COBB	0	14		N
2005075	5962	5/15/2005	FULTON	0	7		N
2005078	6029	6/2/2005	HALL	6	10	Clostridium perfringens	Y
2005079	6057	6/1/2005	DOOLY	15	61	Salmonella	Y
2005082	6068	6/19/2005	CHEROKEE	.	80	Calicivirus, Norovirus	N
2005083	6065	5/30/2005	GWINNETT	3	3	Salmonella	Y

MARYLAND

State OB Code	eFORS OB code	First Case Onset	County	# Lab cases	Total Ill	Etiology	Confirmed
2005-009	5126	1/26/2005	TALBOT	1	2	Clostridium perfringens	Y
2005-017	5595	1/5/2005	ANNE ARUNDEL	1	1		N
2005-138	5596	2/19/2005	BALTIMORE CITY	0	23		N
2005-161	5828	3/7/2005	ANNE ARUNDEL	0	1	Scombroid toxin	N
2005-171	5721	3/13/2005	BALTIMORE CITY	0	35		N
2005-174	5783	3/18/2005	PRINCE GEORGES	5	14	Calicivirus, Norovirus	Y
2005-201	5913	4/25/2005	CALVERT	3	9	Calicivirus, Norovirus	Y
2005-207	5973	5/13/2005	KENT	4	4	Campylobacter jejuni	Y
2005-212	5983	5/27/2005	FREDERICK	0	1	Scombroid toxin	N
2005-23	5177	1/8/2005	ANNE ARUNDEL	1	1	Scombroid toxin	Y
2005-31	5178	1/9/2005	MONTGOMERY	4	16	Calicivirus, Norovirus	Y
2005-41	5590	1/9/2005	MONTGOMERY	0	4		N
2005-63	5474	1/26/2005	TALBOT	1	2		N

MINNESOTA

State OB Code	eFORS OB code	First Case Onset	County	# Lab cases	Total Ill	Etiology	Confirmed
6912005	5188	1/2/2005	HENNEPIN	4	20	Calicivirus, Norovirus	Y
7022005	5797	1/11/2005	HENNEPIN	0	3	Clostridium perfringens	N
7032005	5604	1/30/2005	MILLE LACS	1	5	Calicivirus, Norovirus	N
7052005	5601	2/6/2005	HENNEPIN	1	3	Calicivirus, Norovirus	N
7062005	5659	2/11/2005	OTTER TAIL	2	5	Clostridium perfringens	Y
7072005	5605	2/14/2005	HENNEPIN	1	17	Calicivirus, Norovirus	N
7112005	5609	2/25/2005	PINE	13	28	Calicivirus, Norovirus	Y
7142005	5648	3/4/2005	OLMSTED	6	30	Calicivirus, Norovirus	Y
7152005	5707	3/11/2005	BENTON	6	13	Calicivirus, Norovirus	Y
7202005	5796	3/27/2005	ANOKA	2	10	Clostridium perfringens	Y
7212005	5826	3/28/2005	HENNEPIN	4	18	Calicivirus, Norovirus	Y
7222005	5798	4/1/2005	OLMSTED	2	17	Calicivirus, Norovirus	Y
7252005	5847	1/27/2005	HENNEPIN	4	4	Salmonella	Y
7262005	6131	3/28/2005	HENNEPIN	0	2		N
7272005	6094	4/7/2005	HENNEPIN	2	5	Calicivirus, Norovirus	Y

7292005	5976	4/25/2005	HENNEPIN	1	4	Calicivirus, Norovirus	N
7302005	5911	5/9/2005	HENNEPIN	0	2	Scombroid toxin	Y
7312005	6046	5/5/2005	HENNEPIN	2	2	Calicivirus, Norovirus	Y
7352005	5941	5/15/2005	CHISAGO	1	8	Calicivirus, Norovirus	N
7412005	5943	5/15/2005		4	8	Calicivirus, Norovirus	Y
7472005	6130	6/8/2005	HENNEPIN	2	3	Calicivirus, Norovirus	Y
7492005	6027	5/25/2005	HENNEPIN	0	7	Other Bacterial	N
7502005	6069	6/12/2005	BLUE EARTH	3	23	Calicivirus, Norovirus	Y
7512005	6063	6/20/2005	HENNEPIN	5	8	Calicivirus, Norovirus	Y
7522005	6062	6/25/2005		6	14	Calicivirus, Norovirus	Y
7532005	6129	6/23/2005	HENNEPIN	0	2		N
7552005	6064	6/1/2005		5	5	Salmonella	Y

NEW YORK

State OB Code	eFORS OB code	First Case Onset	County	# Lab cases	Total Ill	Etiology	Confirmed
1062205	6091	6/22/2005	ALBANY	2	8	Enterohemorrhagic E.coli (eg. O157:H7)	Y
14050805	5939	5/8/2005	ERIE	2	5	Salmonella	Y
14061105	6070	6/10/2005	ERIE	9	9	Hepatitis A	Y
27021805	6138	2/18/2005	MONROE	6	6	Salmonella	Y
27060205	6099	6/2/2005	MONROE	5	5	Salmonella	Y
50061105	6035	6/11/2005	STEUBEN	0	27		N

OREGON

State OB Code	eFORS OB code	First Case Onset	County	# Lab cases	Total Ill	Etiology	Confirmed
2005-004	5144	1/7/2005	JOSEPHINE	2	31	Calicivirus, Norovirus	Y
2005-009	5191	1/8/2005	MARION	0	5	Calicivirus, Norovirus	N
2005-014	5278	1/21/2005	MARION	2	39	Calicivirus, Norovirus	Y
2005-025	5349	2/3/2005	BENTON	0	2	Staphylococcus aureus	N
2005-026	5350	2/1/2005	BAKER	6	6	Calicivirus, Norovirus	Y
2005-039	5570	2/20/2005	KLAMATH	0	10		N
2005-045	5594	2/25/2005	JOSEPHINE	3	29	Calicivirus, Norovirus	Y
2005-046	5602	2/15/2005	LINN	1	9	Calicivirus, Norovirus	N
2005-049	5682	3/12/2005	MARION	1	2	Calicivirus, Norovirus	N
2005-051	5701	3/14/2005	BENTON	2	9	Calicivirus, Norovirus	Y
2005-055	5746	3/17/2005	MULTNOMAH	0	3	Calicivirus, Norovirus	N
2005-057	5773	3/21/2005	MULTNOMAH	0	2	Calicivirus, Norovirus	N
2005-070	5864	4/18/2005	MARION	4	25	Calicivirus, Norovirus	Y
2005-071	5873	4/6/2005	CLACKAMAS	6	10	Salmonella	Y
2005-072	5874	4/19/2005	MULTNOMAH	4	18	Enterotoxigenic E.coli	Y
2005-074	5900	4/24/2005	MULTNOMAH	2	3	Calicivirus, Norovirus	Y

2005-075	5907	5/3/2005	JEFFERSON	2	5	Calicivirus, Norovirus	Y
2005-079	5991	5/14/2005	UMATILLA	1	5	Calicivirus, Norovirus	N
2005-086	6017	6/2/2005	LAKE	3	15	Calicivirus, Norovirus	Y
2005-090	6019	6/13/2005	JACKSON	0	3		N
2005-091	6020	6/13/2005	DOUGLAS	2	7	Calicivirus, Norovirus	Y
2005-095	6032	6/19/2005	JACKSON	.	12	Calicivirus, Norovirus	N
2005-097	6087	6/30/2005	WASHINGTON	1	1	Calicivirus, Norovirus	N
2005-098	6080	6/4/2005		4	4	Salmonella	N
2005-103	6145	7/26/2005	JEFFERSON	0	0		N
2005-105	6151	7/26/2005	MULTNOMAH	0	3		N

TENESSEE

State OB Code	eFORS OB code	First Case Onset	County	# Lab cases	Total Ill	Etiology	Confirmed
TN05-01	5496	2/3/2005	SHELBY	34	36	Salmonella	Y
TN05-02	5702	3/14/2005	SUMNER	4	23	Calicivirus, Norovirus	Y
TN05-04	5823	4/4/2005	COCKE	1	16	Staphylococcus aureus	N
TN05-06	5915	5/4/2005	BLOUNT	.	113	Calicivirus, Norovirus	Y
TN05-08	5961	5/24/2005	PUTNAM	0	33		N
TN05-10	6042	3/15/2005	CAMPBELL	23	23	Hepatitis A	Y
TN05-11	6043	5/23/2005	RUTHERFORD	7	7	Hepatitis A	Y
TN05-12	6044	6/12/2005	DAVIDSON	0	8		N
TN05-13	6166	7/30/2005	KNOX	1	50	Staphylococcus aureus	N
TNO5-07	5960	5/14/2005	MADISON	6	18	Calicivirus, Norovirus	Y

HUS Surveillance, 2004

Data as of August 3, 2005

Site	All cases (N=64)												In catchment (N=53)											
	<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	
	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	1	0 (0)	2	0 (0)	2	0 (0)	1	0 (0)	0	--	0	--	1	2.3	1	0.6	1	0.5	0	0.0	0	0.00	0	0.00
CO	0	--	4	0 (0)	1	0 (0)	1	0 (0)	0	--	0	--	0	0.0	2	1.3	0	0.0	1	0.6	0	0.00	0	0.00
CT	0	--	2	0 (0)	3	0 (0)	1	0 (0)	0	--	0	--	0	0.0	1	0.6	3	1.3	1	0.4	0	0.00	0	0.00
GA	0	--	5	0 (0)	0	--	0	--	1	0 (0)	0	--	0	0.0	5	1.0	0	0.0	0	0.0	1	0.02	0	0.00
MD	0	--	4	0 (0)	0	--	0	--	0	--	0	--	0	0.0	4	1.4	0	0.0	0	0.0	0	0.00	0	0.00
MN	0	--	4	0 (0)	2	0 (0)	2	0 (0)	0	--	1	0 (0)	0	0.0	4	1.5	2	0.6	2	0.5	0	0.00	1	0.12
NM	0	--	0	--	0	--	0	--	0	--	0	--	0	0.0	0	0.0	0	0.0	0	0.0	0	0.00	0	0.00
NY	0	--	2	0 (0)	0	--	0		0	--	0	--	0	0.0	2	1.0	0	0.0	0	0.0	0	0.00	0	0.00
OR	2	0 (0)	2	0 (0)	1	0 (0)	1	0 (0)	0	--	0	--	2	4.6	2	1.1	1	0.4	1	0.4	0	0.00	0	0.00
TN	1	0 (0)	10	1 (10)	5	1 (20)	1	0 (0)	1	0 (0)	1	0 (0)	0	0.0	9	3.0	4	1.1	0	0.0	1	0.03	1	0.10
Total	**4**	**0 (0)**	**35**	**1 (3)**	**14**	**1 (7)**	**7**	**0 (0)**	**2**	**0 (0)**	**2**	**0 (0)**	**3**	**0.5**	**30**	**1.3**	**11**	**0.4**	**5**	**0.2**	**2**	**0.007**	**2**	**0.03**

*per 100,000 persons

Site	Laboratory Testing (all cases included N=64)							
	Shiga toxin	O157			Non-O157			
	No. pos/ tested (%)	No. culture pos/tested (%)	No. seropos/ tested (%)	Total pos/total cases (by culture or serology)	Stx pos & SMAC-O157 neg No. pos/tested (%)	Non-O157 isolated	No. seropos/ tested for O111 or O26 (%)	Total pos/total cases (by culture or serology)
CA	4/4 (100)	4/6 (67)	0/0 (-)	4/6 (67)	0/4 (0)	-	0/0 (-)	0/6 (0)
CO	0/0 (-)	0/2 (0)	0/0 (-)	0/6 (0)	0/0 (-)	-	0/0 (-)	0/6 (0)
CT	2/4 (50)	4/6 (67)	2/2 (100)	6/6 (100)	0/4 (0)	-	0/2 (0)	0/6 (0)
GA	0/1 (-)	0/5 (0)	2/2 (100)	2/6 (33)	0/1 (-)	-	0/2 (0)	0/6 (0)
MD	1/1 (100)	0/2 (0)	0/0 (-)	0/4 (0)	1/1 (100)	Isolate not sent to SPHL (1)	0/0 (-)	1/4 (25)
MN	7/9 (78)	5/9 (56)	0/1 (0)*	5/9 (56)	2/9 (22)	Could not be serotyped (1) O 145:H28 (1)	0/1 (0)*	2/9 (22)
NM	0/0 (-)	0/0 (-)	0/0 (-)	0/0 (-)	0/0 (-)	-	0/0 (-)	0/0 (-)
NY	0/0 (-)	2/2 (100)	0/0 (-)	2/2 (100)	0/0 (-)	-	0/0 (-)	0/2 (0)
OR	0/0 (-)	2/6 (33)	0/0 (-)*	2/6 (33)	0/0 (-)	-	0/0 (-)*	0/6 (0)
TN	2/4 (50)	10/18 (56)	7/10 (70)	17/19 (89)	0/4 (0)	-	0/10 (0)	0/19 (0)
Total	**16/23 (73)**	**27/56 (48)**	**11/15 (73)**	**38/64 (59)**	**3/23 (14)**	**-**	**0/15 (0)**	**3/64 (5)**

*Lab Results Pending: MN-1, OR-1

HUS Surveillance, 2005

Data as of August 3, 2005

Site	All cases (N=42)												In catchment (N=33)											
	<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	
	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	0	--	4	0 (0)	2	0 (0)	0	--	0	--	0	--	0	0.0	2	1.2	0	0.0	0	0.0	0	0.00	0	0.00
CO	0	--	2	0 (0)	0	--	0	--	0	--	0	--	0	0.0	1	0.7	0	0.0	0	0.0	0	0.00	0	0.00
CT	0	--	2	0 (0)	2	0 (0)	2	0 (0)	2	0 (0)	0	--	0	0.0	2	1.2	2	0.9	2	0.8	2	0.09	0	0.00
GA	0	--	4	1 (25)	0	--	0	--	0	--	0	--	0	0.0	3	0.6	0	0.0	0	0.0	0	0.00	0	0.00
MD	0	--	1	0 (0)	0	--	0	--	0	--	0	--	0	0.0	1	0.3	0	0.0	0	0.0	0	0.00	0	0.00
MN	0	--	3	0 (0)	1	0 (0)	0	--	0	--	0	--	0	0.0	3	1.2	1	0.3	0	0.0	0	0.00	0	0.00
NM	1	1 (100)	0	--	0	--	0	--	0	--	0	--	1	3.8	0	0.0	0	0.0	0	0.0	0	0.00	0	0.00
NY	0	--	0	--	0	--	1	0 (0)	0	--	0	--	0	0.0	0	0.0	0	0.0	1	0.3	0	0.00	0	0.00
OR	0	--	4	0 (0)	0	--	0	--	0	--	0	--	0	0.0	4	2.2	0	0.0	0	2.0	0	0.00	0	0.00
TN	0	--	4	1 (25)	5	0 (0)	0	--	1	0 (0)	1	0 (0)	0	0.0	4	1.3	2	0.5	0	0.2	1	0.03	1	0.10
Total	1	1 (100)	24	2 (8)	10	0 (0)	3	0 (0)	3	0 (0)	1	0 (0)	1	0.2	20	0.9	5	0.2	3	0.29	3	0.014	1	0.01

*per 100,000 persons

Site	Laboratory Testing (all cases included N=42)							
	Shiga toxin	O157			Non-O157			
	No. pos/ tested (%)	No. culture pos/tested (%)	No. seropos[1]/ total serum collected[2] (%)	Total pos/total cases (by culture or serology)	Stx pos & SMAC-O157 neg No. pos/tested (%)	Non-O157 isolated	No. seropos[3]/ serum collected[2] (%)	Total pos/total cases (by culture or serology)
CA	3/4 (75)	4/5 (80)	0/1 (0)	4/6(-)	0/4 (-)	-	0/1 (0)	1/6(17)
CO	0/0 (-)	0/0 (-)	0/0 (-)	0/2 (0)	0/0 (-)	-	0/0 (-)	0/2 (0)
CT	2/2 (100)	4/6 (67)	1/2 (50)	5/8 (50)	0/2 (0)	-	0/2 (0)	0/8 (0)
GA	0/0 (-)	2/2 (100)	0/0 (-)	2/4(25)	0/0 (-)	-	0/0 (-)	0/4(0)
MD	1/1 (100)	1/1 (100)	0/0 (-)	1/1 (100)	0/1 (-)	-	0/0 (-)	0/1 (0)
MN	0/2 (0)	1/4 (25)	0/2 (0)	1/4 (25)	0/2 (0)	-	0/2 (0)	0/4 (0)
NM	0/1 (0)	0/0 (-)	0/1 (0)	0/1 (0)	0/0 (-)	-	0/1 (0)	0/1 (0)
NY	0/0 (-)	0/0 (-)	0/0 (-)	0/1 (0)	0/0 (-)	-	0/0 (-)	0/1 (0)
OR	0/0 (-)	1/1 (100)	0/1 (0)	1/4 (25)	0/0 (-)	-	0/1 (0)	0/4 (0)
TN	0/0 (-)	6/9 (67)	0/4 (0)	6/11 (55)	0/0 (-)	-	0/4 (0)	0/11 (0)
Total	6/10 (60)	19/28 (68)	1/11(9)	20/42 (48)	0/9 (0)	-	0/11(0)	1/42 (2)

[1] No. seropos is from 1. a "yes" response to "Were significant levels of antibodies against an STEC detected?" 2. LPS type=O157 and 3. Titer IgG≥320 and a "positive" interpretation or Titer IgM ≥320 and a "positive" interpretation

[2] The denominator is a "yes" response to the question: "Was serum obtained from this patient?" It was assumed that each "yes" response resulted in a test.

[3] No. seropos is from 1. "yes" response to "Were significant levels of antibodies against an STEC detected?" 2. LPS type≠O157 and 3. Titer IgG≥320 and a "positive" interpretation or Titer IgM ≥ 320 and a "positive" interpretation

Data as of August 3, 2005

2005 Additional Tables

Site	Additional Tables (all cases included N=42)															
	O157				Non-O157				Serum							
	No. cultured/total cases		No. isolated/ total cases		No. cultured for Non-O157/total cases		No. isolated/total cases		No. serum collected/ total cases		No. of significant Ab detected/ total cases		No. tested Shiga/total cases		Outbreak related/total cases	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%
CA	5/6	83	4/6	67	0/6	0	0/6	0	1/6	17	0/6	0	4/6	67	0/6	0
CO	0/2	0	0/2	0	0/2	0	0/2	0	0/2	0	0/2	0	0/2	0	0/2	0
CT	6/8	75	4/8	50	0/8	0	0/8	0	2/8	25	1/8	13	2/8	25	1/8	13
GA	2/4	50	2/4	50	1/4	25	0/4	0	0/4	0	0/4	0	0/4	0	0/4	0
MD	1/1	100	1/1	100	0/1	0	0/1	0	0/1	0	0/1	0	1/1	100	0/1	0
MN	4/4	100	1/4	25	1/4	25	0/4	0	2/4	50	0/4	0	2/4	50	0/4	0
NM	0/1	0	0/1	0	0/1	0	0/1	0	1/1	100	0/1	0	1/1	100	0/1	0
NY	0/1	0	0/1	0	0/1	0	0/1	0	0/1	0	0/1	0	0/1	0	0/1	0
OR	1/4	25	1/4	25	0/4	0	0/4	0	1/4	25	0/4	0	0/4	0	1/4	25
TN	9/11	82	6/11	55	0/11	0	0/11	0	4/11	36	0/11	0	0/11	0	0/11	0
Total	28/42	67	19/42	45	2/42	5	0/42	0	11/42	26	1/42	2	10/42	24	2/42	5