

## **Focus Area 10: Food Safety**

**Objective 10-1. Reduce infections caused by key foodborne pathogens.**  
[State Data Source: State Health Department reports to CDC and sites participating in FoodNet active surveillance]  
See <http://www.cdc.gov/foodnet/reports.htm>

### **Objective 10-1a. *Campylobacter* species. Target = 12.3 cases per 100,000 population**

California data available from the FoodNet Annual Reports and published in the CDC's *Morbidity and Mortality Weekly Report* (MMWR) indicate a significant decline in *Campylobacter* case rates from 37.4 per 100,000 in 2000 to 26.8 per 100,000 in 2006 (**Figure 10-1a, Table 10-01**). This HP2010 objective has not been achieved for California, although rates are moving toward the target.

### **Objective 10-1b. *Escherichia coli* O157:H7. Target = 1.0 cases per 100,000 population**

FoodNet data for California indicates a significant decline in *E. coli* case rates from 1.50 per 100,000 in 2000 to 0.80 per 100,000 in 2004, then an increase to 1.31 per 100,000 in 2006 (**Figure 10-1b, Table 10-01**). This HP2010 objective was being achieved for California during the 2002-2005 time period, but the 2006 case rate exceeded the HP2010 target.

### **Objective 10-1c. *Listeria monocytogenes*. Target = 0.24 cases per 100,000 population**

No significant trend was found in California *L. monocytogenes* case rates. Case rates ranged from a high of 0.53 in 2003 to a low of 0.31 in 2005 (**Table 10-01**). This HP2010 objective has not yet been achieved for California, although the 2006 case rate (0.25 per 100,000) was close to the target.

### **Objective 10-1d. *Salmonella* species. Target = 6.8 cases per 100,000 population**

*Salmonella* case rates for California showed no significant trend, and were consistently above the HP2010 target. Case rates ranged from a high of 15.85 per 100,000 in 2002 to a low of 13.99 per 100,000 in 2005 (**Figure 10-1d, Table 10-01**).

**Table 10-01. Infections Caused by Foodborne Pathogens, California 2000-2006**

	<i>Campylobacter</i> species		<i>Escherichia coli</i> O157:H7		<i>Listeria monocytogenes</i>		<i>Salmonella</i> species	
	Cases <sup>2</sup>	Rate <sup>3</sup>	Cases <sup>1</sup>	Rate <sup>3</sup>	Cases <sup>1</sup>	Rate <sup>3</sup>	Cases <sup>1</sup>	Rate <sup>3</sup>
<b>HP2010 Target</b>		<b>12.3</b>		<b>1.0</b>		<b>0.25</b>		<b>6.8</b>
Totals <sup>1</sup>								
2000	1,186	37.40	46	1.50	13	0.40	460	14.50
2001	999	31.70	36	1.10	16	0.50	480	14.30
2002	1,018	31.67	45	0.99	12	0.37	521	15.85
2003	871	26.90	29	0.90	17	0.53	474	14.90
2004	920	28.60	25	0.80	15	0.47	481	14.80
2005	n/a	27.96	n/a	0.87	n/a	0.31	n/a	13.99
2006	n/a	26.82	n/a	1.31	n/a	0.25	n/a	15.19

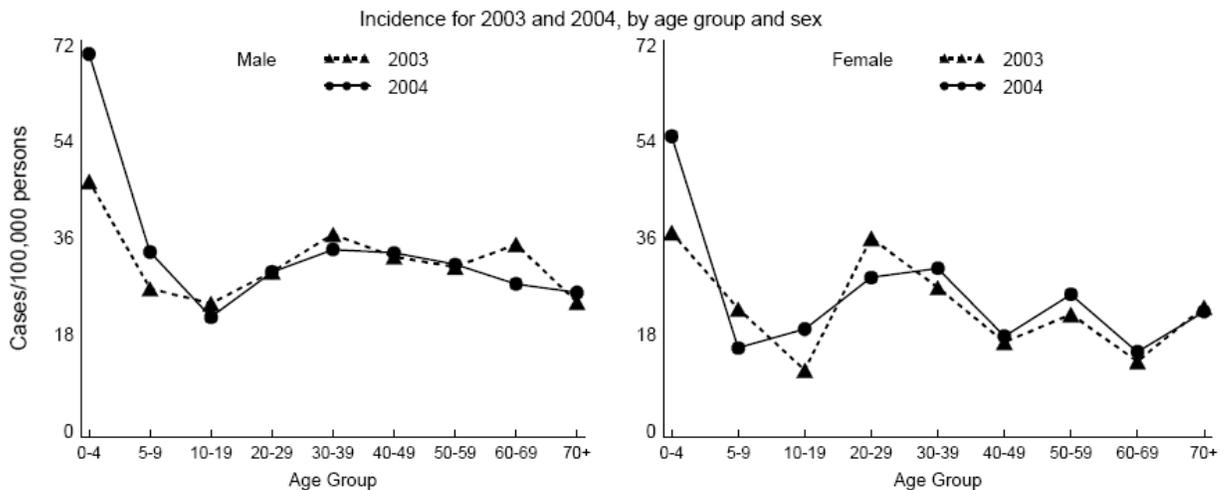
SOURCE: CDC, National Center for Infectious Diseases, FoodNet reports 2000-2006.

NOTES: <sup>1</sup> California FoodNet catchment areas include Alameda, Contra Costa, San Francisco, San Mateo, and Santa Clara counties.

<sup>2</sup> Cases as reported to the Foodborne Diseases Active Surveillance Network (FoodNet).  
<http://www.cdc.gov/foodnet/reports.htm>

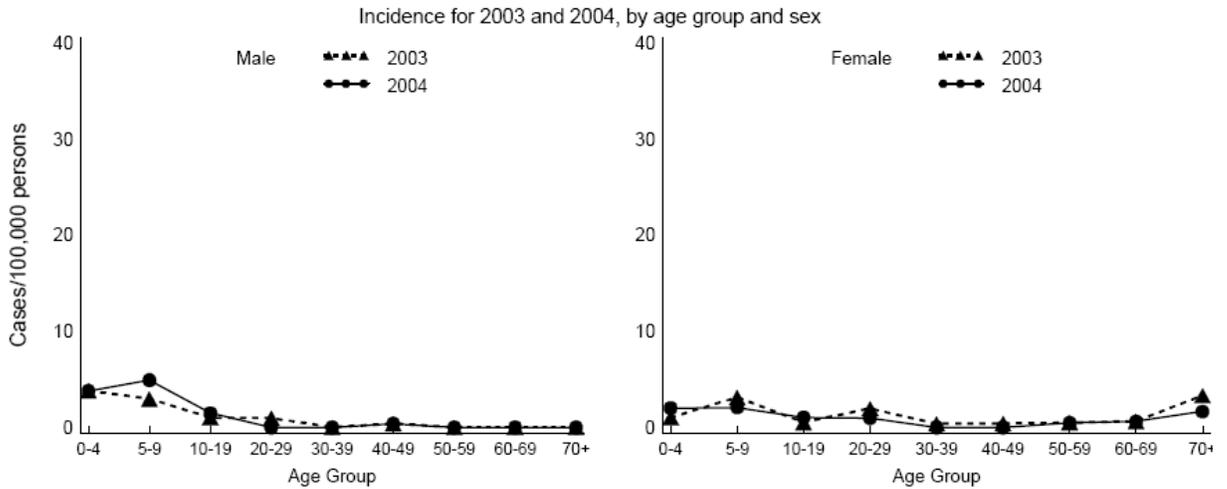
<sup>3</sup> Rate per 100,000 population.

**Figure 10-1a. *Campylobacter* Case Rates, California**



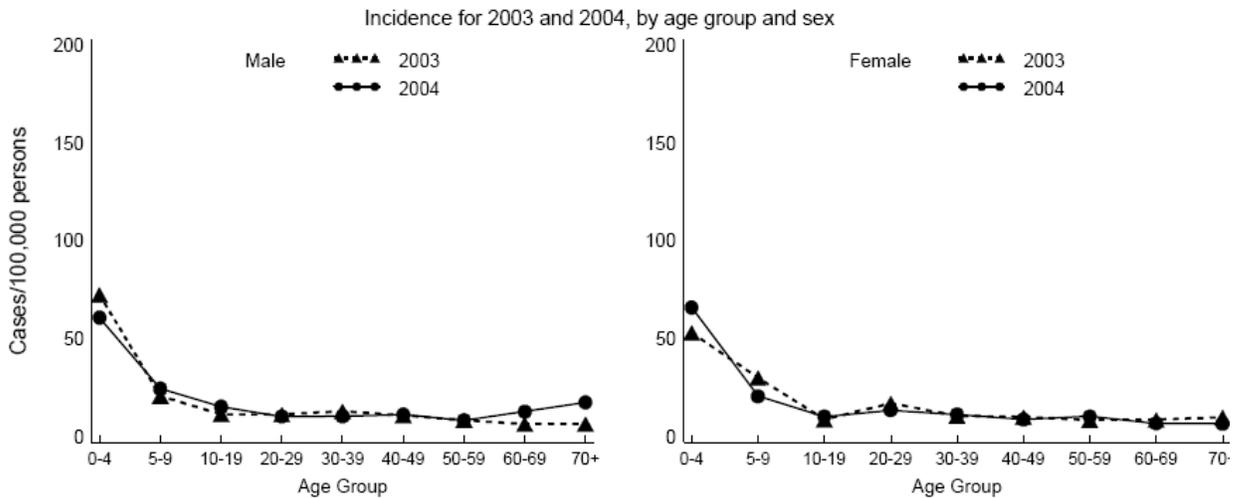
SOURCE: FoodNet Surveillance Report for 2004, CDC, Emerging Infections Program (EIP).

**Figure 10-1b. Shiga Toxin-Producing *Escherichia coli* (STEC O157) Case Rates, California**



SOURCE: FoodNet Surveillance Report for 2004, CDC, Emerging Infections Program (EIP).

**Figure 10-1d. *Salmonella* Species Case Rates, California**



SOURCE: FoodNet Surveillance Report for 2004, CDC, Emerging Infections Program (EIP).

**Objective 10-1e. (Developmental) *Cyclospora cayetanensis*.**

**[Deleted at Midcourse Review because of the very low incidence and variable occurrence]**

**Objective 10-1f. Postdiarrheal hemolytic uremic syndrome (HUS) in children under 5 years of age. Target = 0.9 cases per 100,000 population**

FoodNet data for California as reported in the MMWR indicates California had an HUS case rate of 3.26 per 100,000 children under age five in 2006. This is nearly four times greater than the HP2010 target of 0.9 per 100,000 population under age five, and this objective is not being achieved for California.

**Objective 10-1g. (Developmental) Congenital *Toxoplasma gondii*.  
[Deleted at Midcourse Review due to lack of a national data source]**

For more information on Healthy People 2010 objective 10-1, please visit:

<http://www.healthypeople.gov/Document/HTML/Volume1/10Food.htm>

the CDPH Food Safety Program Web site at

<http://www.cdph.ca.gov/programs/Pages/FDB%20Food%20Safety%20Program.aspx>

and the DATA2010 Web site at <http://wonder.cdc.gov/data2010/>