



**COUNTY OF ORANGE
HEALTH CARE AGENCY**

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Campylobacteriosis, Orange County 2006 – 2015

Campylobacteriosis is an infectious disease caused by bacteria of the genus *Campylobacter*, mostly *C. jejuni* and less commonly *C. coli*. People who become ill with campylobacteriosis get diarrhea (sometimes bloody), cramping, abdominal pain, and fever within two to five days after exposure to the organism. These symptoms can be accompanied by nausea and vomiting. The illness typically lasts about one week. Some infected persons do not have any symptoms. In persons with compromised immune systems, campylobacter occasionally spreads to the bloodstream and causes a serious life-threatening infection. While infection is generally self-limiting, long term complications such as reactive arthritis, Guillain-Barre syndrome or febrile convulsions can occur. Campylobacteriosis can be transmitted by consumption of undercooked meat, contaminated food and water and raw milk products. People can also become infected by contact with infected pets or farm animals. For more information, go to <http://www.cdc.gov/foodsafety/diseases/campylobacter/index.html>.

Table 1a. Orange County Campylobacteriosis Case Counts with Gender, Race/Ethnicity and Age Group Detail, 2006 – 2015

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Total Cases	237	345	311	270	370	333	423	358	403	398
Gender										
Male	137	178	171	127	193	175	234	190	228	210
Female	99	166	138	142	175	156	187	168	173	187
Race/Ethnicity										
White	63	99	87	30	54	60	61	33	52	111
Black	1	0	2	0	1	0	2	0	1	1
Hispanic	76	108	53	25	51	25	43	20	21	54
Asian	7	17	18	5	15	12	9	7	12	23
Pacific Islander	0	0	0	0	1	0	1	0	0	0
AI/AN ¹	0	0	0	0	0	0	0	0	0	0
Multiracial	0	0	0	0	0	1	2	3	9	4
Other/Unknown	90	121	151	210	248	235	305	295	308	205
Age Group (years)										
Under 1 year	3	6	6	7	5	9	5	2	3	5
1-4	23	42	29	34	36	29	34	15	22	32
5-9	12	29	20	21	26	20	29	17	23	26
10-14	11	15	23	8	26	15	21	10	13	25
15-19	11	23	15	28	24	29	24	20	30	19
20-24	13	33	18	15	23	18	33	34	26	35
25-34	32	37	34	27	50	46	55	51	78	54
35-44	26	44	43	35	41	43	65	40	43	48
45-54	46	39	47	35	54	37	62	54	50	45
55-64	24	42	28	30	31	46	44	55	47	46
65 & over	35	35	47	30	54	41	49	60	66	61
Unknown	1	0	1	0	0	0	2	0	2	2

¹ American Indian / Alaskan Native

Table 1b. Orange County Campylobacter Incidence Rates with Gender, Race/Ethnicity and Age Group Detail, 2006 – 2015**

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Total Rate	8.0	11.6	10.4	9.0	12.3	10.9	13.8	11.6	12.9	12.7
Gender										
Male	9.4	12.1	11.6	8.5	12.9	11.6	15.4	12.4	14.7	13.5
Female	6.6	11.1	9.2	9.4	11.5	10.1	12.0	10.7	11.0	11.8
Race/Ethnicity										
White	4.5	7.1	6.3	2.2	4.0	4.5	4.6	2.5	3.9	8.5
Black	--	--	--	--	--	--	--	--	--	--
Hispanic	7.9	11.1	5.4	2.5	5.0	2.4	4.1	1.9	1.9	4.8
Asian	1.5	3.5	3.7	1.0	2.8	2.2	1.6	1.2	2.0	4.0
Pacific Islander	--	--	--	--	--	--	--	--	--	--
AI/AN ¹	--	--	--	--	--	--	--	--	--	--
Multiracial	--	--	--	--	--	--	--	--	11.9	--
Other/Unknown	--	--	--	--	--	--	--	--	--	--
Age Group (years)										
Under 1 year	--	14.9	14.9	18.8	13.4	23.6	13.3	--	--	11.9
1-4	13.9	25.8	18.0	21.6	23.4	19.0	22.5	10.0	14.7	19.9
5-9	5.7	13.9	9.7	10.5	13.1	10.1	14.7	8.6	11.8	13.6
10-14	4.9	6.7	10.5	3.8	12.4	7.2	10.2	4.9	6.4	12.6
15-19	5.2	10.7	6.8	12.6	10.6	12.9	10.8	9.1	13.9	8.9
20-24	6.2	15.8	8.6	7.1	10.7	8.3	14.8	14.9	11.3	15.0
25-34	7.8	9.1	8.3	6.6	12.1	11.0	13.0	12.0	18.1	12.2
35-44	5.5	9.4	9.3	7.8	9.4	9.9	15.1	9.4	10.2	11.7
45-54	11.1	9.2	10.9	7.9	12.1	8.2	13.7	11.9	11.0	10.0
55-64	8.5	14.5	9.4	9.5	9.5	13.6	12.6	15.3	12.6	12.1
65 & over	11.2	11.0	14.4	8.7	15.3	11.2	12.8	15.0	16.0	14.7

Incidence Rates of Campylobacteriosis in Orange County Compared with California and by Race/Ethnicity, 2006 - 2015

