



State of California—Health and Human Services Agency  
California Department of Public Health



EDMUND G. BROWN JR  
Governor

Giardiasis  
Yearly Summary Report

2001 - 2010

Center for Infectious Diseases  
Division of Communicable Disease Control  
Infectious Diseases Branch  
Surveillance and Statistics Section

## Giardiasis, Cases and Rates by Health Jurisdiction, California, 2001 to 2005

JURISDICTION	YEAR OF ESTIMATED ONSET									
	2001		2002		2003		2004		2005	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
CALIFORNIA TOTAL	3050	8.8	2549	7.2	2223	6.2	2234	6.1	2392	6.5
ALAMEDA COUNTY TOTAL	178	12.0	154	10.3	97	6.5	80	5.3	134	8.9
ALAMEDA	168	12.2	141	10.2	93	6.7	72	5.2	115	8.2
BERKELEY	10	9.6	13	12.4	4	3.8	8	7.7	19	18.3
ALPINE	-	-	-	-	-	-	-	-	-	-
AMADOR	2	5.6	1	2.7	2	5.4	2	5.3	3	7.9
BUTTE	26	12.6	20	9.6	20	9.5	13	6.1	61	28.3
CALAVERAS	7	16.8	3	7.1	6	13.8	10	22.6	9	19.9
COLUSA	1	5.2	-	-	-	-	-	-	1	4.7
CONTRA COSTA	105	10.7	54	5.5	58	5.8	59	5.8	70	6.8
DEL NORTE	-	-	-	-	1	3.5	1	3.4	-	-
EL DORADO	14	8.6	13	7.8	7	4.1	15	8.7	5	2.8
FRESNO	74	9.0	53	6.3	55	6.4	32	3.7	28	3.1
GLENN	1	3.7	1	3.7	4	14.4	5	17.8	2	7.0
HUMBOLDT	19	14.9	21	16.3	11	8.5	9	6.9	20	15.2
IMPERIAL	5	3.4	6	4.0	3	1.9	10	6.3	3	1.8
INYO	3	16.3	2	10.7	5	26.6	3	15.9	3	15.9
KERN	17	2.5	32	4.6	26	3.6	30	4.0	26	3.4
KINGS	2	1.5	7	5.2	10	7.2	1	0.7	3	2.0
LAKE	-	-	9	14.7	4	6.4	10	15.9	3	4.7
LASSEN	4	11.8	2	5.9	1	2.9	3	8.4	2	5.6
LOS ANGELES COUNTY TOTAL	517	5.3	491	5.0	433	4.3	344	3.4	367	3.6
LOS ANGELES	460	5.0	447	4.8	408	4.3	320	3.4	315	3.3
LONG BEACH	53	11.3	34	7.1	20	4.1	19	3.9	48	9.8
PASADENA	4	2.9	10	7.1	5	3.5	5	3.5	4	2.7
MADERA	5	3.9	14	10.8	8	5.9	10	7.2	9	6.3
MARIN	64	25.6	57	22.7	41	16.3	45	17.9	40	15.9
MARIPOSA	-	-	1	5.7	1	5.6	-	-	1	5.5
MENDOCINO	11	12.5	15	16.9	18	20.1	10	11.1	11	12.2
MERCED	16	7.3	11	4.9	12	5.2	104	43.8	116	47.6
MODOC	1	10.4	-	-	-	-	2	19.7	-	-
MONO	4	30.1	1	7.4	-	-	2	14.6	2	14.5
MONTEREY	24	5.8	29	7.0	25	5.9	29	6.9	21	5.0
NAPA	16	12.6	11	8.5	29	22.1	17	12.8	9	6.7
NEVADA	17	18.0	19	19.8	24	24.7	17	17.3	27	27.2
ORANGE	164	5.6	127	4.3	118	3.9	93	3.1	112	3.7
PLACER	18	6.8	31	11.2	23	7.9	22	7.3	15	4.8
PLUMAS	5	23.8	4	18.9	2	9.4	4	18.6	3	13.9
RIVERSIDE	49	3.0	38	2.3	30	1.7	27	1.5	22	1.1
SACRAMENTO	104	8.2	88	6.8	86	6.5	293	21.6	255	18.5
SAN BENITO	-	-	2	3.6	1	1.8	4	7.0	3	5.2
SAN BERNARDINO	64	3.6	50	2.8	46	2.5	34	1.8	51	2.6
SAN DIEGO	294	10.2	202	6.8	180	6.0	176	5.8	161	5.3
SAN FRANCISCO	372	47.3	306	38.7	249	31.4	207	26.1	204	25.7
SAN JOAQUIN	88	14.9	80	13.2	72	11.5	86	13.3	99	15.0
SAN LUIS OBISPO	20	7.9	13	5.1	14	5.5	11	4.2	28	10.7
SAN MATEO	120	16.8	108	15.1	60	8.4	63	8.7	70	9.7
SANTA BARBARA	67	16.5	23	5.6	32	7.7	25	6.0	42	10.0
SANTA CLARA	266	15.6	226	13.1	207	12.0	169	9.7	133	7.6
SANTA CRUZ	31	12.0	16	6.2	11	4.3	20	7.7	16	6.1
SHASTA	14	8.3	4	2.3	9	5.1	5	2.8	8	4.5
SIERRA	3	81.0	8	216.2	2	54.0	-	-	4	108.3
SISKIYOU	3	6.7	5	11.1	9	19.9	6	13.1	3	6.5
SOLANO	26	6.4	26	6.3	19	4.6	20	4.8	29	6.9
SONOMA	68	14.5	42	8.9	37	7.8	32	6.7	51	10.7
STANISLAUS	43	9.2	32	6.7	33	6.7	9	1.8	32	6.3
SUTTER	7	8.6	5	6.0	11	12.8	2	2.3	4	4.4
TEHAMA	3	5.3	3	5.2	2	3.4	-	-	-	-
TRINITY	1	7.6	2	14.8	2	14.5	-	-	1	7.0
TULARE	43	11.4	30	7.8	18	4.6	11	2.7	13	3.1
TUOLUMNE	-	-	3	5.3	2	3.5	14	24.5	7	12.2
VENTURA	25	3.2	25	3.2	31	3.9	23	2.8	37	4.5
YOLO	15	8.5	17	9.4	12	6.6	7	3.7	9	4.8
YUBA	4	6.5	6	9.5	4	6.2	8	12.0	4	5.8

Rates are expressed as cases per 100,000 population.

Source: California Department of Public Health, Infectious Diseases Branch, Surveillance and Statistics Section.  
California Department of Finance: Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

## Giardiasis, Cases and Rates by Health Jurisdiction, California, 2006 to 2010

JURISDICTION	YEAR OF ESTIMATED ONSET									
	2006		2007		2008		2009		2010	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
CALIFORNIA TOTAL	2318	6.2	2290	6.1	1963	5.1	1798	4.6	1783	4.6
ALAMEDA COUNTY TOTAL	122	8.1	100	6.6	92	6.0	95	6.2	114	7.4
ALAMEDA	109	7.8	86	6.1	83	5.8	81	5.6	99	6.9
BERKELEY	13	12.3	14	13.2	9	8.5	14	13.1	15	13.8
ALPINE	-	-	-	-	-	-	-	-	-	-
AMADOR	1	2.6	2	5.1	3	7.6	1	2.5	-	-
BUTTE	35	16.1	20	9.1	11	4.9	12	5.3	10	4.3
CALAVERAS	-	-	3	6.5	2	4.3	3	6.4	-	-
COLUSA	1	4.6	-	-	-	-	1	4.3	-	-
CONTRA COSTA	59	5.7	72	6.9	59	5.6	55	5.2	41	3.8
DEL NORTE	1	3.4	2	6.7	1	3.3	6	19.6	1	3.2
EL DORADO	7	3.9	6	3.3	11	6.0	8	4.3	11	5.8
FRESNO	33	3.6	29	3.1	22	2.3	22	2.3	22	2.2
GLENN	2	6.9	3	10.2	1	3.3	-	-	-	-
HUMBOLDT	20	15.2	12	9.1	7	5.3	16	11.9	10	7.4
IMPERIAL	3	1.8	2	1.1	3	1.7	-	-	1	0.5
INYO	6	31.8	4	21.1	2	10.5	1	5.2	2	10.4
KERN	52	6.5	24	2.9	29	3.5	18	2.1	29	3.3
KINGS	3	2.0	3	1.9	1	0.6	2	1.2	2	1.2
LAKE	6	9.3	4	6.1	2	3.0	-	-	4	5.9
LASSEN	1	2.7	2	5.4	-	-	-	-	-	-
LOS ANGELES COUNTY TOTAL	426	4.2	497	4.8	394	3.8	385	3.7	335	3.2
LOS ANGELES	378	3.9	455	4.7	360	3.7	365	3.7	317	3.2
LONG BEACH	44	9.0	35	7.1	30	6.1	14	2.8	14	2.8
PASADENA	4	2.7	7	4.8	4	2.7	6	4.0	4	2.6
MADERA	4	2.7	5	3.3	2	1.3	2	1.3	4	2.5
MARIN	40	15.8	43	17.0	26	10.3	25	9.9	20	7.9
MARIPOSA	3	16.3	3	16.1	-	-	-	-	-	-
MENDOCINO	4	4.4	9	9.9	10	10.9	12	13.0	15	16.1
MERCED	26	10.4	9	3.5	15	5.7	3	1.1	6	2.2
MODOC	-	-	1	9.6	-	-	-	-	-	-
MONO	-	-	5	35.4	-	-	-	-	-	-
MONTEREY	36	8.5	31	7.3	10	2.3	8	1.9	9	2.1
NAPA	23	17.0	14	10.2	10	7.2	9	6.4	5	3.5
NEVADA	9	9.1	13	13.0	13	12.9	12	11.8	12	11.7
ORANGE	141	4.6	182	5.8	161	5.1	127	4.0	133	4.1
PLACER	19	5.9	16	4.9	11	3.3	16	4.7	13	3.7
PLUMAS	3	13.9	1	4.6	-	-	3	13.8	2	9.2
RIVERSIDE	40	2.0	58	2.8	40	1.9	32	1.5	32	1.4
SACRAMENTO	86	6.2	81	5.8	69	4.8	64	4.5	51	3.5
SAN BENITO	1	1.7	2	3.4	2	3.3	-	-	-	-
SAN BERNARDINO	60	3.0	51	2.5	46	2.2	38	1.8	31	1.4
SAN DIEGO	228	7.4	278	8.9	297	9.5	286	9.0	286	8.9
SAN FRANCISCO	203	25.3	203	25.2	162	20.0	161	19.8	177	21.6
SAN JOAQUIN	101	15.0	66	9.6	60	8.5	59	8.1	48	6.5
SAN LUIS OBISPO	16	6.1	6	2.3	10	3.8	9	3.4	9	3.3
SAN MATEO	78	10.7	68	9.3	64	8.7	44	6.0	56	7.6
SANTA BARBARA	32	7.6	29	6.9	33	7.7	26	6.0	27	6.2
SANTA CLARA	181	10.2	131	7.3	145	8.0	96	5.3	118	6.4
SANTA CRUZ	29	11.0	23	8.7	7	2.6	9	3.4	10	3.7
SHASTA	10	5.5	6	3.3	3	1.6	7	3.7	2	1.0
SIERRA	2	54.3	-	-	-	-	-	-	-	-
SISKIYOU	5	10.8	1	2.2	5	10.7	7	14.9	7	14.9
SOLANO	19	4.5	14	3.3	20	4.6	15	3.4	19	4.3
SONOMA	46	9.6	42	8.7	24	4.9	31	6.3	25	5.0
STANISLAUS	25	4.8	42	7.9	19	3.5	15	2.7	22	3.9
SUTTER	3	3.2	7	7.3	-	-	2	2.0	1	1.0
TEHAMA	3	4.8	-	-	-	-	1	1.5	2	3.0
TRINITY	1	6.9	1	6.8	1	6.7	3	20.0	-	-
TULARE	11	2.6	19	4.4	17	3.8	11	2.4	11	2.4
TUOLUMNE	2	3.5	2	3.5	1	1.7	1	1.7	-	-
VENTURA	34	4.1	34	4.1	32	3.8	29	3.4	41	4.8
YOLO	12	6.2	5	2.6	6	3.0	9	4.4	4	1.9
YUBA	4	5.5	4	5.4	2	2.6	1	1.3	3	3.7

Rates are expressed as cases per 100,000 population.

Source: California Department of Public Health, Infectious Diseases Branch, Surveillance and Statistics Section.  
California Department of Finance: Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

## Giardiasis, Cases by Month, California, 2001 to 2005

MONTH OF ESTIMATED ONSET	YEAR OF ESTIMATED ONSET				
	2001	2002	2003	2004	2005
	CASES	CASES	CASES	CASES	CASES
TOTAL	3050	2549	2223	2234	2392
JANUARY	225	206	178	156	210
FEBRUARY	199	164	160	133	165
MARCH	246	188	146	171	181
APRIL	214	187	161	114	171
MAY	228	205	134	169	169
JUNE	282	212	178	168	158
JULY	310	247	241	194	249
AUGUST	340	283	308	242	289
SEPTEMBER	295	253	240	249	251
OCTOBER	275	241	192	245	209
NOVEMBER	209	186	150	206	148
DECEMBER	227	177	135	187	192

## Giardiasis, Cases and Rates by Age Group, California, 2001 to 2005

AGE GROUP	YEAR OF ESTIMATED ONSET									
	2001		2002		2003		2004		2005	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	3050	8.8	2549	7.2	2223	6.2	2234	6.1	2392	6.5
0	26	4.9	38	7.2	23	4.3	25	4.7	17	3.1
01-04	522	26.1	397	19.4	349	16.7	444	20.8	434	20.1
05-14	552	10.1	449	8.1	375	6.7	424	7.6	458	8.2
15-24	202	4.1	189	3.8	186	3.7	183	3.5	192	3.6
25-34	460	8.8	329	6.3	300	5.8	243	4.8	243	4.9
35-44	610	10.9	473	8.4	412	7.2	397	6.9	375	6.5
45-54	295	6.4	281	5.9	242	5.0	235	4.7	284	5.5
55-64	142	5.1	162	5.5	156	5.0	128	3.9	188	5.4
65 +	103	2.8	125	3.3	107	2.8	96	2.5	115	2.9
UNKNOWN	138	-	106	-	73	-	59	-	86	-

## Giardiasis, Cases and Rates by Race / Ethnicity, California, 2001 to 2005

RACE / ETHNICITY	YEAR OF ESTIMATED ONSET									
	2001		2002		2003		2004		2005	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	3050	8.8	2549	7.2	2223	6.2	2234	6.1	2392	6.5
ASIAN/PACIFIC ISLANDER	79	1.8	98	2.2	70	1.5	380	8.1	447	9.3
BLACK, NOT HISPANIC	43	1.8	51	2.1	62	2.6	47	1.9	35	1.4
HISPANIC	641	5.6	519	4.4	404	3.3	362	2.9	360	2.8
AMERICAN INDIAN/ALASKAN NATIVE	6	1.6	5	1.3	4	1.0	4	0.9	7	1.6
WHITE, NOT HISPANIC	942	5.8	766	4.7	685	4.2	555	3.4	703	4.3
UNKNOWN	1339	-	1110	-	998	-	886	-	840	-

Rates are expressed as cases per 100,000 population

Source: California Department of Public Health, Infectious Diseases Branch, Surveillance and Statistics Section.  
California Department of Finance: Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

Giardiasis, Cases by Month, California, 2006 to 2010

MONTH OF ESTIMATED ONSET	YEAR OF ESTIMATED ONSET				
	2006	2007	2008	2009	2010
	CASES	CASES	CASES	CASES	CASES
TOTAL	2318	2290	1963	1798	1783
JANUARY	175	169	159	147	165
FEBRUARY	155	165	132	128	124
MARCH	189	156	166	132	144
APRIL	155	161	159	117	135
MAY	193	160	142	159	134
JUNE	174	192	173	147	144
JULY	224	258	168	156	172
AUGUST	250	281	208	178	192
SEPTEMBER	251	256	218	183	165
OCTOBER	208	173	164	154	134
NOVEMBER	162	161	143	141	137
DECEMBER	182	158	131	156	137

Giardiasis, Cases and Rates by Age Group, California, 2006 to 2010

AGE GROUP	YEAR OF ESTIMATED ONSET									
	2006		2007		2008		2009		2010	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	2318	6.2	2290	6.1	1963	5.1	1798	4.6	1783	4.6
0	15	2.8	12	2.2	19	3.4	8	1.4	13	2.3
01-04	322	14.9	338	15.6	311	14.3	226	10.3	227	10.3
05-14	372	6.7	340	6.2	279	5.1	227	4.2	233	4.3
15-24	209	3.8	206	3.7	200	3.5	194	3.3	192	3.2
25-34	300	6.0	256	5.1	250	5.0	237	4.7	212	4.1
35-44	397	6.9	395	6.9	294	5.2	301	5.4	260	4.7
45-54	287	5.4	330	6.1	288	5.3	259	4.7	276	4.9
55-64	164	4.5	213	5.6	173	4.4	180	4.4	189	4.4
65 +	158	3.9	121	3.0	139	3.3	155	3.6	146	3.3
UNKNOWN	94	-	79	-	10	-	11	-	35	-

Giardiasis, Cases and Rates by Race / Ethnicity, California, 2006 to 2010

RACE / ETHNICITY	YEAR OF ESTIMATED ONSET									
	2006		2007		2008		2009		2010	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	2318	6.2	2290	6.1	1963	5.1	1798	4.6	1783	4.6
ASIAN/PACIFIC ISLANDER	160	3.3	89	1.8	69	1.4	134	2.6	133	2.5
BLACK, NOT HISPANIC	66	2.7	63	2.6	49	2.0	46	1.9	58	2.4
HISPANIC	425	3.2	404	3.0	329	2.4	257	1.8	244	1.7
AMERICAN INDIAN/ALASKAN NATIVE	6	1.4	3	0.7	-	-	4	0.9	4	0.8
WHITE, NOT HISPANIC	678	4.1	668	4.1	559	3.4	443	2.7	449	2.7
UNKNOWN	983	-	1063	-	957	-	914	-	895	-

Rates are expressed as cases per 100,000 population

Source: California Department of Public Health, Infectious Diseases Branch, Surveillance and Statistics Section.  
California Department of Finance: Population Estimates with Age, Sex, and Race/Ethnic Detail, July 2007.

#### TECHNICAL NOTES FOR GIARDIASIS YEARLY SUMMARY REPORT:

In interpretation of the numbers in this report, please consider the following points:

- Because of inherent delays in case reporting and depending on the length of follow-up clinical, laboratory and epidemiologic investigation, cases with estimated onset dates may be added or rescinded after the date of this report. Therefore, data in this report particularly for the current year are provisional and may differ from data published in future reports.
- Estimated onset date is the date closest to the time when symptoms first appeared. Since date of onset may not be recorded, the estimated date of onset can range from the first appearance of symptoms to the date the report was made to CDPH.
- Data are extracted from California Confidential Morbidity Reports that were submitted to CDPH by September 10, 2011.