



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



EDMUND G. BROWN JR
Governor

Escherichia Coli O157: H7
Yearly Summary Report

2001 - 2010

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

Escherichia Coli O157: H7, 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	256	0.7	301	0.9	273	0.8	231	0.6	187	0.5
ALAMEDA COUNTY TOTAL	15	1.0	23	1.5	11	0.7	12	0.8	15	1.0
ALAMEDA	14	1.0	22	1.6	11	0.8	11	0.8	15	1.1
BERKELEY	1	1.0	1	1.0	-	-	1	1.0	-	-
ALPINE	-	-	-	-	-	-	-	-	-	-
AMADOR	-	-	-	-	-	-	1	2.7	2	5.2
BUTTE	1	0.5	5	2.4	1	0.5	-	-	-	-
CALAVERAS	-	-	4	9.4	-	-	6	13.6	5	11.1
COLUSA	-	-	-	-	-	-	-	-	-	-
CONTRA COSTA	17	1.7	11	1.1	8	0.8	10	1.0	8	0.8
DEL NORTE	-	-	-	-	1	3.5	-	-	-	-
EL DORADO	1	0.6	2	1.2	3	1.8	5	2.9	2	1.1
FRESNO	10	1.2	20	2.4	6	0.7	12	1.4	12	1.3
GLENN	-	-	-	-	1	3.6	-	-	-	-
HUMBOLDT	2	1.6	4	3.1	3	2.3	4	3.1	2	1.5
IMPERIAL	3	2.0	1	0.7	1	0.6	1	0.6	1	0.6
INYO	-	-	-	-	2	10.6	1	5.3	-	-
KERN	2	0.3	-	-	-	-	2	0.3	1	0.1
KINGS	-	-	-	-	-	-	1	0.7	-	-
LAKE	-	-	-	-	-	-	-	-	-	-
LASSEN	-	-	1	2.9	-	-	-	-	-	-
LOS ANGELES COUNTY TOTAL	32	0.3	36	0.4	27	0.3	21	0.2	15	0.1
LOS ANGELES	31	0.3	30	0.3	27	0.3	18	0.2	13	0.1
LONG BEACH	1	0.2	2	0.4	-	-	2	0.4	2	0.4
PASADENA	-	-	4	2.9	-	-	1	0.7	-	-
MADERA	3	2.4	1	0.8	-	-	2	1.4	-	-
MARIN	5	2.0	5	2.0	1	0.4	7	2.8	3	1.2
MARIPOSA	-	-	1	5.7	-	-	-	-	-	-
MENDOCINO	-	-	-	-	1	1.1	1	1.1	3	3.3
MERCED	2	0.9	3	1.3	4	1.7	4	1.7	4	1.6
MODOC	-	-	-	-	-	-	-	-	-	-
MONO	-	-	1	7.4	-	-	-	-	1	7.2
MONTEREY	-	-	1	0.2	1	0.2	2	0.5	-	-
NAPA	-	-	1	0.8	3	2.3	-	-	-	-
NEVADA	4	4.2	3	3.1	1	1.0	4	4.1	1	1.0
ORANGE	12	0.4	17	0.6	25	0.8	16	0.5	8	0.3
PLACER	5	1.9	2	0.7	4	1.4	5	1.7	4	1.3
PLUMAS	-	-	-	-	-	-	-	-	-	-
RIVERSIDE	1	0.1	3	0.2	7	0.4	2	0.1	5	0.3
SACRAMENTO	9	0.7	14	1.1	6	0.5	17	1.3	4	0.3
SAN BENITO	4	7.2	1	1.8	2	3.5	-	-	-	-
SAN BERNARDINO	10	0.6	8	0.4	14	0.7	6	0.3	3	0.2
SAN DIEGO	23	0.8	22	0.7	40	1.3	13	0.4	15	0.5
SAN FRANCISCO	8	1.0	18	2.3	20	2.5	4	0.5	7	0.9
SAN JOAQUIN	5	0.8	19	3.1	14	2.2	11	1.7	9	1.4
SAN LUIS OBISPO	2	0.8	3	1.2	1	0.4	3	1.2	7	2.7
SAN MATEO	3	0.4	12	1.7	19	2.6	7	1.0	9	1.2
SANTA BARBARA	11	2.7	3	0.7	-	-	-	-	2	0.5
SANTA CLARA	22	1.3	18	1.0	12	0.7	18	1.0	7	0.4
SANTA CRUZ	5	1.9	1	0.4	4	1.5	5	1.9	5	1.9
SHASTA	1	0.6	-	-	2	1.1	5	2.8	1	0.6
SIERRA	-	-	-	-	-	-	-	-	-	-
SISKIYOU	-	-	-	-	-	-	-	-	-	-
SOLANO	2	0.5	1	0.2	1	0.2	1	0.2	-	-
SONOMA	14	3.0	8	1.7	9	1.9	4	0.8	10	2.1
STANISLAUS	11	2.4	10	2.1	5	1.0	3	0.6	9	1.8
SUTTER	-	-	1	1.2	1	1.2	1	1.1	-	-
TEHAMA	-	-	-	-	-	-	-	-	-	-
TRINITY	-	-	-	-	-	-	-	-	-	-
TULARE	2	0.5	7	1.8	3	0.8	2	0.5	4	1.0
TUOLUMNE	1	1.8	2	3.5	-	-	2	3.5	1	1.7
VENTURA	4	0.5	6	0.8	6	0.8	8	1.0	1	0.1
YOLO	4	2.3	1	0.6	3	1.6	2	1.1	1	0.5
YUBA	-	-	1	1.6	-	-	-	-	-	-

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.

Escherichia Coli O157: H7, 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	261	0.7	286	0.8	262	0.7	243	0.6	210	0.5
ALAMEDA COUNTY TOTAL	20	1.3	23	1.5	19	1.2	17	1.1	13	0.8
ALAMEDA	19	1.4	23	1.6	17	1.2	16	1.1	9	0.6
BERKELEY	1	0.9	-	-	2	1.9	1	0.9	4	3.7
ALPINE	-	-	-	-	-	-	-	-	-	-
AMADOR	2	5.2	-	-	-	-	-	-	-	-
BUTTE	2	0.9	-	-	6	2.7	1	0.4	3	1.3
CALAVERAS	2	4.4	-	-	-	-	1	2.1	1	2.1
COLUSA	-	-	-	-	-	-	1	4.3	-	-
CONTRA COSTA	14	1.4	9	0.9	10	0.9	14	1.3	6	0.6
DEL NORTE	-	-	-	-	-	-	-	-	-	-
EL DORADO	-	-	1	0.6	3	1.6	2	1.1	1	0.5
FRESNO	2	0.2	41	4.4	13	1.4	10	1.0	8	0.8
GLENN	-	-	-	-	1	3.3	2	6.6	-	-
HUMBOLDT	1	0.8	1	0.8	6	4.5	8	6.0	1	0.7
IMPERIAL	-	-	-	-	2	1.1	1	0.5	2	1.1
INYO	-	-	-	-	-	-	-	-	-	-
KERN	2	0.3	3	0.4	3	0.4	2	0.2	3	0.3
KINGS	-	-	1	0.6	3	1.9	-	-	1	0.6
LAKE	1	1.6	1	1.5	-	-	-	-	-	-
LASSEN	-	-	-	-	-	-	-	-	-	-
LOS ANGELES COUNTY TOTAL	14	0.1	14	0.1	19	0.2	20	0.2	13	0.1
LOS ANGELES	12	0.1	13	0.1	17	0.2	17	0.2	12	0.1
LONG BEACH	1	0.2	1	0.2	2	0.4	2	0.4	1	0.2
PASADENA	1	0.7	-	-	-	-	1	0.7	-	-
MADERA	-	-	6	4.0	3	1.9	1	0.6	1	0.6
MARIN	10	4.0	3	1.2	2	0.8	1	0.4	7	2.8
MARIPOSA	-	-	-	-	-	-	-	-	-	-
MENDOCINO	1	1.1	-	-	3	3.3	2	2.2	2	2.1
MERCED	5	2.0	2	0.8	9	3.4	3	1.1	1	0.4
MODOC	-	-	-	-	-	-	-	-	-	-
MONO	-	-	-	-	-	-	-	-	-	-
MONTEREY	1	0.2	4	0.9	2	0.5	8	1.9	2	0.5
NAPA	5	3.7	4	2.9	2	1.4	1	0.7	3	2.1
NEVADA	8	8.0	1	1.0	2	2.0	5	4.9	1	1.0
ORANGE	11	0.4	36	1.2	17	0.5	13	0.4	14	0.4
PLACER	4	1.2	6	1.8	6	1.8	8	2.3	3	0.9
PLUMAS	1	4.6	-	-	-	-	-	-	1	4.6
RIVERSIDE	8	0.4	6	0.3	12	0.6	3	0.1	3	0.1
SACRAMENTO	12	0.9	14	1.0	19	1.3	7	0.5	10	0.7
SAN BENITO	-	-	1	1.7	1	1.6	2	3.2	1	1.6
SAN BERNARDINO	6	0.3	2	0.1	4	0.2	6	0.3	8	0.4
SAN DIEGO	11	0.4	14	0.5	8	0.3	16	0.5	19	0.6
SAN FRANCISCO	9	1.1	10	1.2	8	1.0	8	1.0	5	0.6
SAN JOAQUIN	20	3.0	8	1.2	8	1.1	11	1.5	9	1.2
SAN LUIS OBISPO	-	-	4	1.5	1	0.4	6	2.2	7	2.6
SAN MATEO	12	1.7	9	1.2	14	1.9	8	1.1	9	1.2
SANTA BARBARA	1	0.2	1	0.2	3	0.7	1	0.2	2	0.5
SANTA CLARA	22	1.2	22	1.2	15	0.8	11	0.6	12	0.7
SANTA CRUZ	4	1.5	2	0.8	2	0.8	4	1.5	4	1.5
SHASTA	2	1.1	1	0.5	1	0.5	1	0.5	1	0.5
SIERRA	1	27.2	1	27.3	-	-	-	-	-	-
SISKIYOU	-	-	1	2.2	-	-	1	2.1	2	4.2
SOLANO	1	0.2	1	0.2	1	0.2	2	0.5	3	0.7
SONOMA	18	3.7	7	1.4	4	0.8	11	2.2	6	1.2
STANISLAUS	9	1.7	8	1.5	11	2.0	13	2.4	7	1.3
SUTTER	2	2.1	2	2.1	3	3.1	1	1.0	1	1.0
TEHAMA	2	3.2	2	3.2	-	-	-	-	2	3.0
TRINITY	-	-	-	-	-	-	-	-	1	6.6
TULARE	9	2.1	7	1.6	10	2.2	3	0.7	5	1.1
TUOLUMNE	2	3.5	-	-	-	-	-	-	1	1.7
VENTURA	4	0.5	3	0.4	4	0.5	6	0.7	2	0.2
YOLO	-	-	3	1.5	1	0.5	1	0.5	2	1.0
YUBA	-	-	1	1.3	1	1.3	-	-	1	1.2

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.

Escherichia Coli O157: H7, 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	256	301	273	231	187
JANUARY	15	6	5	5	7
FEBRUARY	10	7	8	3	5
MARCH	7	6	10	6	9
APRIL	8	21	10	5	4
MAY	17	33	6	23	12
JUNE	30	24	12	23	16
JULY	41	42	26	27	30
AUGUST	35	42	57	43	22
SEPTEMBER	34	46	31	40	23
OCTOBER	29	28	86	32	33
NOVEMBER	18	23	17	16	16
DECEMBER	12	23	5	8	10

Escherichia Coli O157: H7, 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	256	0.7	301	0.9	273	0.8	231	0.6	187	0.5
0	2	0.4	6	1.1	4	0.7	5	0.9	1	0.2
01-04	70	3.5	74	3.6	57	2.7	50	2.3	58	2.7
05-14	75	1.4	91	1.6	66	1.2	75	1.3	50	0.9
15-24	28	0.6	48	1.0	33	0.6	35	0.7	24	0.4
25-34	14	0.3	8	0.2	15	0.3	8	0.2	8	0.2
35-44	13	0.2	5	0.1	16	0.3	11	0.2	6	0.1
45-54	15	0.3	26	0.5	21	0.4	7	0.1	9	0.2
55-64	17	0.6	12	0.4	14	0.4	14	0.4	9	0.3
65 +	21	0.6	30	0.8	47	1.2	25	0.6	17	0.4
UNKNOWN	1	-	1	-	-	-	1	-	5	-

Escherichia Coli O157: H7, 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	256	0.7	301	0.9	273	0.8	231	0.6	187	0.5
ASIAN/PACIFIC ISLANDER	7	0.2	18	0.4	15	0.3	16	0.3	6	0.1
BLACK, NOT HISPANIC	15	0.6	11	0.5	5	0.2	6	0.2	5	0.2
HISPANIC	46	0.4	48	0.4	37	0.3	25	0.2	28	0.2
AMERICAN INDIAN/ALASKAN NATIVE	3	0.8	2	0.5	1	0.2	-	-	1	0.2
WHITE, NOT HISPANIC	122	0.8	156	1.0	156	1.0	108	0.7	97	0.6
UNKNOWN	63	-	66	-	59	-	76	-	50	-

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.

Escherichia Coli O157: H7, 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	261	286	262	243	210
JANUARY	9	6	8	16	7
FEBRUARY	5	8	7	6	7
MARCH	10	24	10	13	12
APRIL	12	16	10	7	11
MAY	18	57	22	22	9
JUNE	28	28	20	29	26
JULY	46	30	34	27	32
AUGUST	40	31	27	42	23
SEPTEMBER	39	36	46	30	25
OCTOBER	31	25	39	22	24
NOVEMBER	19	16	21	19	22
DECEMBER	4	9	18	10	12

Escherichia Coli O157: H7, 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	261	0.7	286	0.8	262	0.7	243	0.6	210	0.5
0	1	0.2	1	0.2	2	0.4	2	0.4	1	0.2
01-04	76	3.5	82	3.8	86	4.0	71	3.2	66	3.0
05-14	68	1.2	83	1.5	61	1.1	59	1.1	52	1.0
15-24	48	0.9	35	0.6	31	0.5	39	0.7	36	0.6
25-34	15	0.3	12	0.2	16	0.3	15	0.3	17	0.3
35-44	16	0.3	18	0.3	8	0.1	7	0.1	7	0.1
45-54	15	0.3	14	0.3	15	0.3	12	0.2	10	0.2
55-64	8	0.2	14	0.4	17	0.4	11	0.3	7	0.2
65 +	10	0.2	17	0.4	26	0.6	26	0.6	13	0.3
UNKNOWN	4	-	10	-	-	-	1	-	1	-

Escherichia Coli O157: H7, 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	261	0.7	286	0.8	262	0.7	243	0.6	210	0.5
ASIAN/PACIFIC ISLANDER	11	0.2	26	0.5	16	0.3	15	0.3	19	0.4
BLACK, NOT HISPANIC	11	0.5	11	0.5	6	0.2	8	0.3	7	0.3
HISPANIC	45	0.3	44	0.3	55	0.4	48	0.3	42	0.3
AMERICAN INDIAN/ALASKAN NATIVE	-	-	-	-	-	-	-	-	4	0.8
WHITE, NOT HISPANIC	126	0.8	140	0.9	123	0.7	110	0.7	89	0.5
UNKNOWN	68	-	65	-	62	-	62	-	49	-

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 ESCHERICHIA COLI 0157: H7 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.
- Data include Escherichia Coli 0157: H7 with Hemolytic Uremic Syndrome (HUS) and without HUS.
- Data are de-duplicated using probabilistic algorithm.