
Chronic Hepatitis B, California, 2013

❖ Chronic Hepatitis B in California

- Cases and Rates of Newly Reported Cases, 1989-2013
- Cases and Rates of Newly Reported Cases by Gender and Age, and by Race, 2009-2013
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Chronic Hepatitis B - Cases and Rates of Newly Reported Cases, California, 1989–2013*

Year	N	Rate
1989	682	2.3
1990	4,399	14.7
1991	7,582	24.9
1992	9,411	30.4
1993	1,384	4.4
1994	3,946	12.5
1995	8,172	25.8
1996	8,998	28.2
1997	11,274	34.7
1998	11,626	35.4
1999	14,025	42.0
2000	15,802	46.5
2001	17,312	50.2
2002	16,124	46.1
2003	14,549	41.1
2004	12,723	35.6
2005	11,964	33.2
2006	13,681	37.7
2007	12,032	32.9
2008	11,343	30.8
2009	11,478	31.0
2010	9,423	25.2
2011	8,954	23.8
2012	8,688	22.8
2013	9,833	25.6

* Cases with a report date of December 31, 2013 or earlier, and reported to California Department of Public Health as of June 30, 2014.

Notes: • Rates are per 100,000 population.

• A total of 255,405 *confirmed and probable* chronic hepatitis B infections were reported from 1989-2013. This does not represent the total number of people living with chronic hepatitis B in California. Additional analysis is needed to determine how many reported chronic hepatitis B cases are currently living.

Source: California Department of Public Health, Sexually Transmitted Diseases (STD) Control Branch, Office of Viral Hepatitis Prevention

Chronic Hepatitis B - Cases and Rates of Newly Reported Cases by Gender and Age, and by Race, California, 2009 - 2013

TOTAL	California Chronic Hepatitis B										Change in Rate from 2009 to 2013 ⁴
	2009		2010		2011		2012		2013		
	Cases ²	Rate ¹	Cases ²	Rate ¹	Cases ²	Rate ¹	Cases ²	Rate ¹	Cases ²	Rate ¹	
	11,478	31.0	9,423	25.2	8,954	23.8	8,688	22.8	9,833	25.6	-17.2%

BY GENDER & AGE	California Chronic Hepatitis B										Change in Rate from 2009 to 2013 ⁴
	2009		2010		2011		2012		2013		
	Cases ²	Rate ¹	Cases ²	Rate ¹	Cases ²	Rate ¹	Cases ²	Rate ¹	Cases ²	Rate ¹	
Female Total	4,874	26.2	4,057	21.6	4,076	21.5	3,996	20.9	4,816	25.0	-4.5%
Ages <18	85	1.9	66	1.5	73	1.6	72	1.6	75	1.7	-10.3%
18-24	434	23.4	321	17.0	308	16.2	272	14.2	277	14.3	-38.8%
25-34	1,376	53.4	1,141	43.7	1,198	45.5	1,318	49.8	1,445	54.2	1.4%
35-44	984	37.9	798	31.0	846	32.9	838	32.5	1,027	39.8	5.0%
45-54	815	30.8	665	25.2	655	24.8	525	19.9	719	27.3	-11.3%
55-64	615	30.2	552	26.2	534	24.4	506	22.6	712	31.0	2.7%
65+	536	22.6	488	20.2	421	16.9	441	17.0	529	19.6	-13.1%
Not Specified	29	-	26	-	41	-	24	-	32	-	-
Male Total	5,620	30.5	4,455	24.0	4,025	21.5	3,839	20.3	4,275	22.4	-26.5%
Ages <18	92	1.9	71	1.5	82	1.7	60	1.3	56	1.2	-38.0%
18-24	252	12.5	204	9.9	173	8.4	152	7.3	146	7.0	-44.0%
25-34	939	34.8	774	28.4	677	24.4	673	24.1	702	24.9	-28.7%
35-44	1,414	53.6	1,103	42.4	950	36.6	969	37.2	941	36.2	-32.6%
45-54	1,413	54.1	1,113	42.6	920	35.2	853	32.6	1,001	38.3	-29.3%
55-64	881	46.3	665	33.8	707	34.6	680	32.4	830	38.5	-16.9%
65+	573	31.5	491	26.3	463	23.9	427	21.0	570	26.8	-15.0%
Not Specified	56	-	34	-	53	-	25	-	29	-	-
Gender Not Specified	983	-	910	-	852	-	853	-	742	-	-

BY RACE/ETHNICITY	California Chronic Hepatitis B									
	2009		2010		2011		2012		2013	
	Cases	Percent ³	Cases	Percent ³	Cases	Percent ³	Cases	Percent ³	Cases	Percent ³
American Indian/Alaska Native	10	0.3%	17	0.6%	13	0.4%	8	0.3%	5	0.2%
Asian/Pacific Islander	2,060	66.3%	2,041	69.9%	2,211	70.5%	1,811	70.5%	1,703	68.4%
African American/Black	210	6.8%	202	6.9%	200	6.4%	190	7.4%	163	6.5%
Hispanic/Latino	367	11.8%	315	10.8%	327	10.4%	253	9.8%	242	9.7%
White	462	14.9%	344	11.8%	385	12.3%	308	12.0%	378	15.2%
Other/Multi/Not Specified	8,369	72.9%	6,504	69.0%	5,818	65.0%	6,118	70.4%	7,342	74.7%
	California Population									
	Number	Percent ³	Number	Percent ³	Number	Percent ³	Number	Percent ³	Number	Percent ³
American Indian/Alaska Native	168,737	0.5%	165,873	0.5%	167,574	0.5%	168,832	0.5%	170,322	0.5%
Asian/Pacific Islander	4,772,143	13.2%	4,953,540	13.6%	5,014,824	13.7%	5,082,518	13.7%	5,163,658	13.8%
African American/Black	2,205,579	6.1%	2,194,973	6.0%	2,209,159	6.0%	2,218,522	6.0%	2,225,711	6.0%
Hispanic/Latino	13,792,550	38.1%	14,073,138	38.6%	14,307,283	39.0%	14,538,267	39.2%	14,755,515	39.5%
White	15,251,448	42.1%	15,032,984	41.3%	15,031,272	40.9%	15,057,171	40.6%	15,052,696	40.3%
Other/Multi/Not Specified	886,748	2.4%	918,977	2.5%	945,893	2.5%	972,550	2.6%	998,641	2.6%

¹ Overall county rates were calculated using mid-year (July 1) California Department of Finance county population estimates for each year.

² Case counts include three transgender chronic hepatitis B cases newly reported during 2009-2013. Transgender cases are not reflected in totals for male cases, female cases or cases for which gender was unknown. Rates were not calculated for transgender persons because information on transgender identity was not consistently collected during 2009-2013.

³ Percent calculations for race/ethnicity exclude individuals for whom age or race/ethnicity was "Not Specified" from the denominator. Caution should be used when interpreting percentages by race/ethnicity, since race/ethnicity information was not reported for the majority of chronic viral hepatitis cases during 2009-2013.

⁴ Positive percent changes in rates of newly reported chronic hepatitis B from 2009-2013 are highlighted red.

Notes: • Rates are per 100,000 population.

• Dash (-) indicates when a rate or percentage was not calculated. Rates by race/ethnicity were not calculated because race/ethnicity was not known for the majority of cases.

• These data do NOT measure prevalence or incidence of chronic viral hepatitis infections in California due to the asymptomatic nature of chronic hepatitis B infections, varied levels of completeness of surveillance reporting, and because it remains unknown how many of the cases described in this report are currently living.

Source: California Department of Public Health, Sexually Transmitted Diseases (STD) Control Branch, Office of Viral Hepatitis Prevention

Chronic Hepatitis B - Cases and Rates of Newly Reported Cases by Local Health Jurisdiction, California, 2009-2013

Local Health Jurisdiction (LHJ)	2009		2011		2013		Change in rate from 2009 to 2013	Rank in 2013
	N	Rate	N	Rate	N	Rate		
CALIFORNIA	11,478	31.0	8,954	23.8	9,833	25.6	-17.2%	-
Alameda	929	61.8	632	41.3	372	23.6	-61.8%	9
— Berkeley *	43	38.6	15	13.0	29	24.7	-36.1%	8
Alpine	0	-	0	-	0	-	-	-
Amador	5	-	3	-	1	-	-	-
Butte	16	7.3	16	7.3	17	7.7	4.9%	32
Calaveras	0	-	2	-	0	-	-	-
Colusa	0	-	0	-	1	-	-	-
Contra Costa	221	21.2	235	22.1	198	18.2	-14.2%	12
Del Norte	18	63.0	20	70.9	0	-	-	-
El Dorado	14	7.8	6	3.3	19	10.4	33.8%	24
Fresno	212	22.9	157	16.7	125	13.0	-43.2%	16
Glenn	0	-	0	-	2	-	-	-
Humboldt	4	-	9	6.7	10	7.4	-	33
Imperial	14	8.1	19	10.7	11	6.1	-24.4%	36
Inyo	0	-	0	-	3	-	-	-
Kern	101	12.2	100	11.8	76	8.8	-27.9%	29
Kings	27	17.8	28	18.5	26	17.3	-2.6%	13
Lake	6	9.3	3	-	3	-	-	-
Lassen	0	-	2	-	3	-	-	-
Los Angeles	4,496	45.9	3,486	35.2	3,759	37.4	-18.5%	6
— Long Beach *	112	24.2	111	23.8	169	35.8	47.8%	7
— Pasadena *	17	12.4	25	17.9	56	39.6	218.3%	5
Madera	8	5.3	10	6.6	23	15.1	184.0%	15
Marin	3	-	4	-	42	16.3	-	14
Mariposa	0	-	0	-	2	-	-	-
Mendocino	6	6.9	7	8.0	2	-	-	-
Merced	18	7.1	35	13.5	26	9.8	38.7%	25
Modoc	0	-	0	-	0	-	-	-
Mono	0	-	0	-	0	-	-	-
Monterey	42	10.2	69	16.5	41	9.6	-5.2%	26
Napa	10	7.4	10	7.3	10	7.2	-2.7%	34
Nevada	8	8.1	8	8.1	1	-	-	-
Orange	441	14.7	382	12.5	357	11.5	-22.0%	19
Placer	17	4.9	29	8.2	42	11.5	133.3%	18
Plumas	0	-	0	-	2	-	-	-
Riverside	238	11.0	207	9.3	219	9.6	-12.8%	27
Sacramento	355	25.2	498	34.7	600	41.2	63.9%	3
San Benito	6	10.9	2	-	1	-	-	-
San Bernardino	120	5.9	184	8.9	257	12.3	107.1%	17
San Diego	914	29.7	135	4.3	696	21.7	-27.0%	10
San Francisco	880	109.8	819	100.0	673	79.9	-27.2%	1
San Joaquin	112	16.5	116	16.7	74	10.5	-36.3%	23
San Luis Obispo	26	9.7	24	8.9	19	7.0	-28.1%	35
San Mateo	277	38.7	254	34.9	298	39.9	3.1%	4
Santa Barbara	41	9.7	33	7.7	35	8.0	-17.2%	30
Santa Clara	1,386	78.1	1,055	58.2	1,426	76.5	-2.0%	2
Santa Cruz	9	3.4	12	4.5	14	5.2	50.6%	40
Shasta	11	6.2	20	11.3	17	9.5	52.9%	28
Sierra	0	-	1	-	0	-	-	-
Siskiyou	6	13.3	1	-	3	-	-	-
Solano	81	19.6	33	8.0	23	5.5	-72.2%	39
Sonoma	53	11.0	46	9.4	53	10.7	-2.8%	22
Stanislaus	54	10.5	35	6.7	32	6.1	-42.5%	37
Sutter	22	23.3	10	10.5	11	11.4	-51.1%	20
Tehama	0	-	0	-	3	-	-	-
Trinity	0	-	0	-	0	-	-	-
Tulare	28	6.4	24	5.4	25	5.5	-14.2%	38
Tuolumne	0	-	11	19.9	4	-	-	-
Ventura	82	10.0	51	6.1	67	7.9	-20.6%	31
Yolo	31	15.5	22	10.8	41	19.7	26.9%	11
Yuba	41	57.1	10	13.7	8	10.8	-81.2%	21

* City Health Department numbers are included in their respective county totals.

Notes: • Rates are per 100,000 population.

• Dash (-) indicates the rate was not calculated because the local health jurisdiction reported five or fewer cases.

• Positive percent changes in rates of newly reported chronic hepatitis B from 2009-2013 are highlighted red. Caution should be used when interpreting county-specific rates of newly reported cases for counties of population size fewer than 100,000; rates fluctuate widely due to their small population size.

Source: California Department of Public Health, Sexually Transmitted Diseases (STD) Control Branch, Office of Viral Hepatitis Prevention