

## Hepatitis B

Hepatitis B infections may be acute or chronic in nature. Acute infections are new infections and often symptomatic in adults. Chronic infections are those where the hepatitis B surface antigen (HBsAg) is detectable for more than six months after an acute infection and are often identified in persons who have immigrated from countries where HBV is endemic and the person was infected at birth.

### Hepatitis B - Chronic and Undetermined

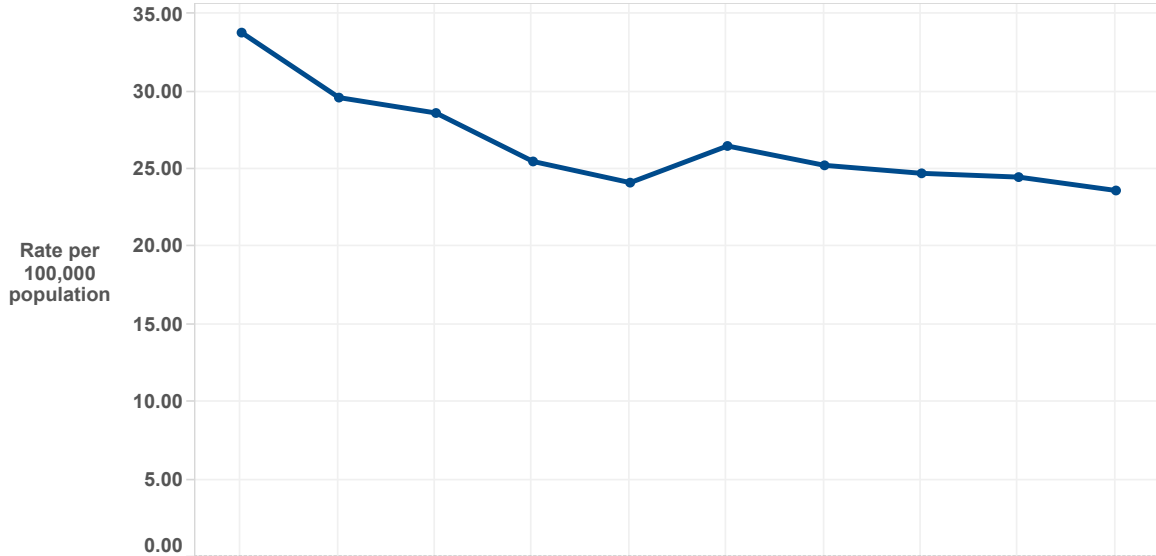
Chronic HBV cases have continued to slowly decline over time. There is a tendency for females to be detected at an earlier age as HBV is routinely tested for in pregnancy to enable timely administration of post-exposure prophylaxis to newborns.

### Hepatitis B - Acute

Cases of acute HBV in BC remained low in 2017. The success of routine hepatitis B immunization, which was introduced in 1992 for grade 6 children and an infant program was introduced in 2001, is reflected in the fact that no reported cases were under 25 years of age. Sixty percent of cases were male.

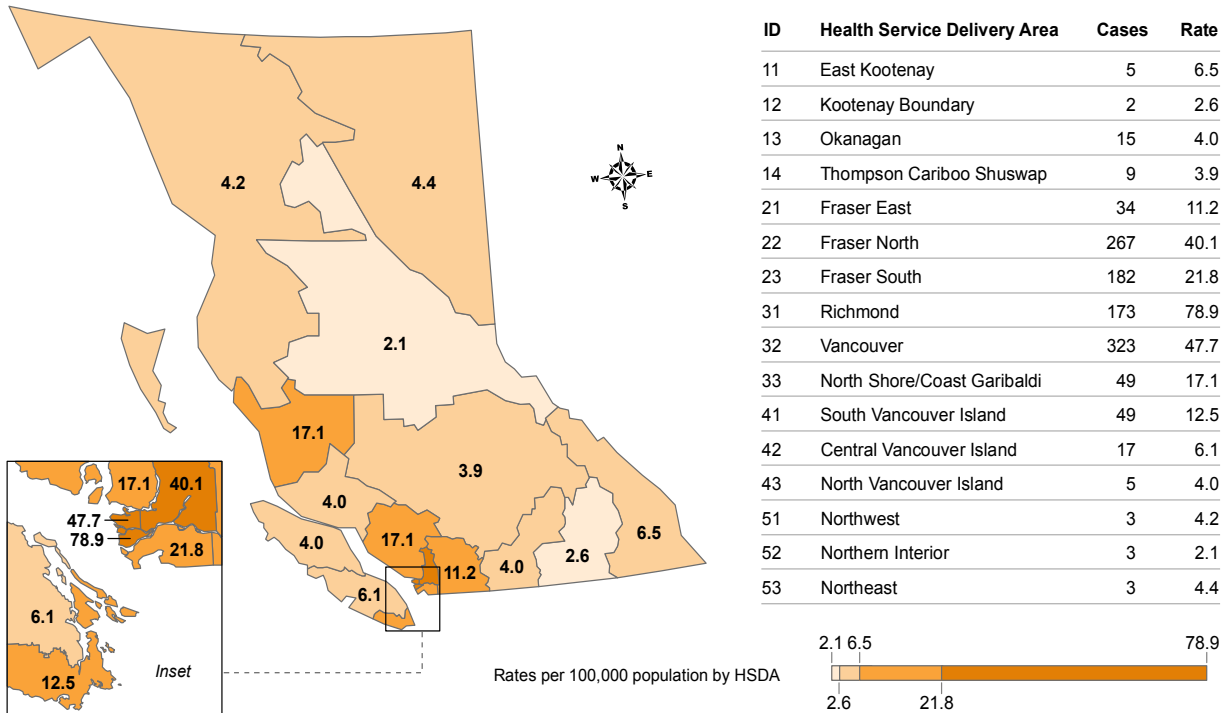


**18.1 Chronic and Undetermined Hepatitis B Rates by Year, 2008-2017**

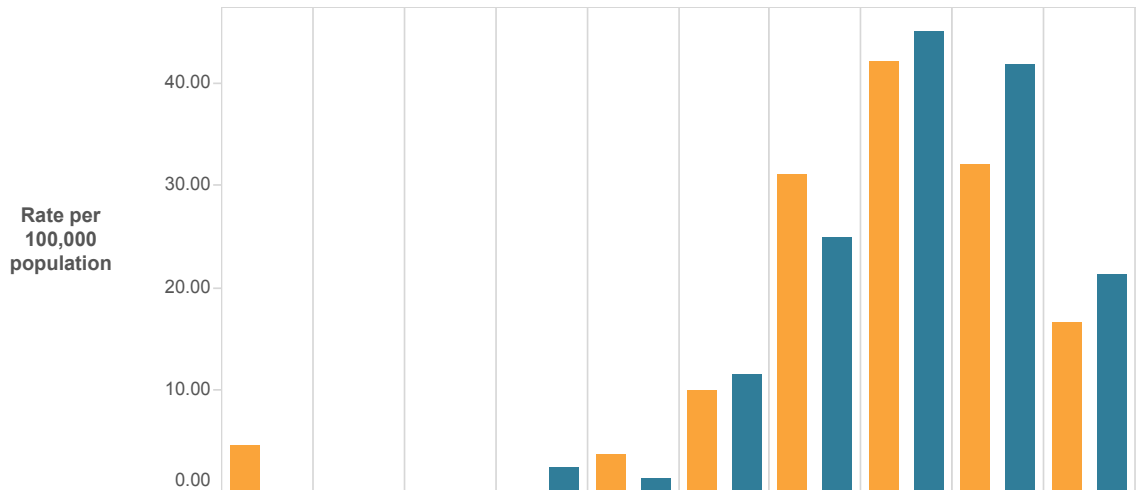


	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
<b>Reports</b>	1,471	1,307	1,279	1,148	1,098	1,217	1,174	1,162	1,166	1,139
<b>BC Rate</b>	33.82	29.63	28.64	25.52	24.15	26.51	25.27	24.75	24.51	23.64

**18.2 Chronic and Undetermined Hepatitis B Rates by HSDA, 2017**

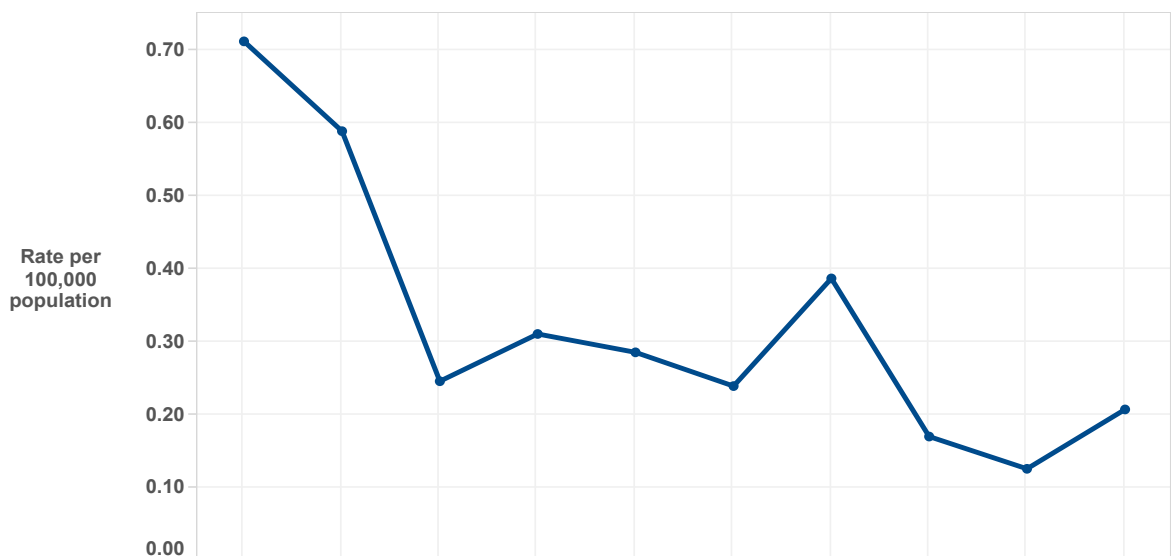


**18.3 Chronic and Undetermined Hepatitis B Rates by Age Group and Sex, 2017**



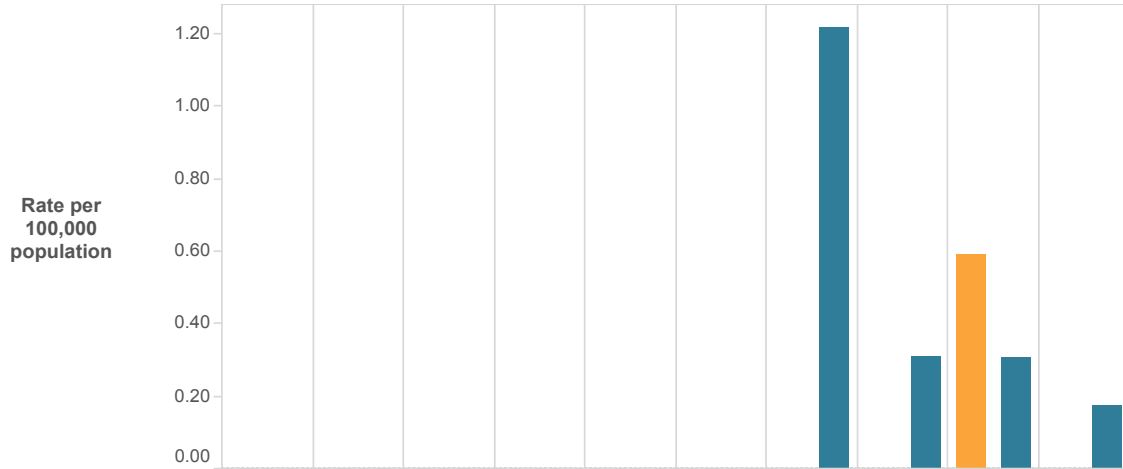
		<1	1-4	5-9	10-14	15-19	20-24	25-29	30-39	40-59	60+
<b>Reports</b>	<b>Female</b>	1	0	0	0	5	16	50	139	216	105
	<b>Male</b>	0	0	0	3	2	20	41	146	273	122
	<b>Total</b>	1	0	0	3	7	36	91	285	489	227
<b>BC Rate</b>	<b>Female</b>	4.59	0.00	0.00	0.00	3.78	10.10	30.97	42.04	31.94	16.65
	<b>Male</b>	0.00	0.00	0.00	2.47	1.43	11.55	25.00	45.11	41.70	21.23
	<b>Total</b>	2.23	0.00	0.00	1.28	2.58	10.86	27.96	43.56	36.74	18.84

**18.4 Acute Hepatitis B Rates by Year, 2008-2017**



	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
<b>Reports</b>	31	26	11	14	13	11	18	8	6	10
<b>BC Rate</b>	0.71	0.59	0.25	0.31	0.29	0.24	0.39	0.17	0.13	0.21

**18.5 Acute Hepatitis B Rates by Age Group and Sex, 2017**



		<1	1-4	5-9	10-14	15-19	20-24	25-29	30-39	40-59	60+
<b>Reports</b>	Female	0	0	0	0	0	0	0	0	4	0
	Male	0	0	0	0	0	0	2	1	2	1
	<b>Total</b>	0	0	0	0	0	0	2	1	6	1
<b>BC Rate</b>	Female	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.00
	Male	0.00	0.00	0.00	0.00	0.00	0.00	1.22	0.31	0.31	0.17
	<b>Total</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.61	0.15	0.45	0.08