

# Estimation of chronic Hepatitis B carrier rates and prediction of future hepatocellular carcinoma rates in Canada

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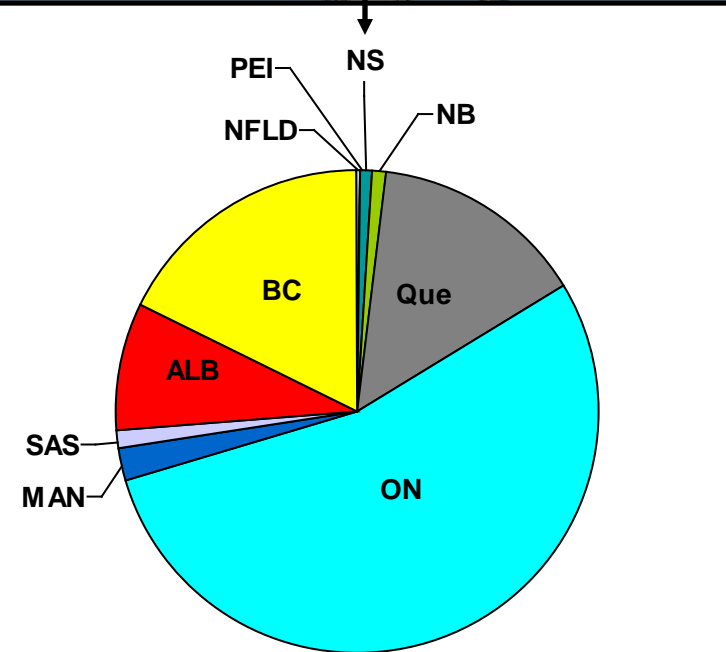


Previous studies have underestimated the prevalence of chronic Hepatitis B in Canada due to an under representation of high risk immigrant populations

Through estimates of endemic rates of HBV in immigrant source countries we have modeled the prevalence of Hepatitis B to be as high as 2%

Through population modeling and annual immigrant estimates we predict that the number of HBV carriers as well as HBV related hepatocellular carcinoma will rise to at least the year 2020

These findings have major implications for distribution of Canadian health resources



Provincial Distribution of Chronic Hepatitis B Carriers

Province	Total Canadian Born	Total Foreign Born	Total No of HBV Carriers	
			Est 1	Est 2
Canada	24,788,720	6,186,950	311,117	431,067
NFLD	490,855	8,385	897	1,059
PEI	129,150	4,785	355	447
NS	854,495	45,190	2,972	3,848
NB	690,695	26,400	1,936	2,447
Que	6,535,430	851,560	46,069	62,579
ON	8,512,020	3,398,725	165,601	231,494
MAN	974,735	151,230	7,988	10,290
SAS	901,080	48,155	3,158	4,092
ALB	2,702,225	527,030	27,116	37,334
BC	2,904,240	1,119,215	54,638	76,337
Yukon	26,990	3,005	167	225
NWT	37,985	2,815	169	223
Nunavut	28,820	455	51	60