

## HIV in Canada, Surveillance Report to December 31, 2022 - Appendix 4 Supplementary Tables 2022

This file contains the supplementary tables for the Canadian national 2022 HIV surveillance report, 'HIV in Canada Surveillance Report, 2022', which includes data on HIV diagnoses reported to the Public Health Agency of Canada between January 1, 2013 - December 31, 2022. The supplementary tables provide additional data broken down over time (including historical data) and/or by province/territory as applicable in addition to more data from the Canadian Perinatal HIV Surveillance Program (CPHSP) group and Immigration, Refugees, and Citizenship Canada (IRCC); whereas the national 2022 HIV surveillance report presents national HIV surveillance data from 2013-2022 for trends and limited data from these data contributors. While the data for 2020 and onwards includes data on first-time diagnoses only, data for previous years often include data on previously diagnosed cases of HIV. As such, any trends must be interpreted with caution. Where deemed necessary by provincial and territorial surveillance data providers, data with small cell sizes ( $n \leq 5$  cases) were suppressed or data categories were merged to create larger categories.

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Please see '**Methods**' and '**Appendix 2: Technical Notes**' sections of 'HIV in Canada Surveillance Report, 2022' for information on methodology, data sources and data limitations.

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**Table 1:** First-time HIV diagnosis rate (per 100,000 population) by province/territory and year of diagnosis (all ages) <sup>a,b,c,d,e</sup>

Province/territory	Diagnosis Year									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
<b>British Columbia</b>	<b>5.7</b>	<b>5.5</b>	<b>5.0</b>	<b>5.0</b>	<b>3.7</b>	<b>4.0</b>	<b>3.5</b>	<b>2.6</b>	<b>2.8</b>	<b>2.5</b>
Male	10.2	9.2	8.6	8.5	6.8	6.5	5.9	4.4	4.9	4.3
Female	1.3	1.9	1.5	1.5	0.6	1.5	1.0	0.9	0.7	0.8
<b>Yukon</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>
Male	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS
Female	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS
<b>Alberta<sup>e</sup></b>	<b>6.6</b>	<b>6.9</b>	<b>5.6</b>	<b>6.8</b>	<b>6.7</b>	<b>5.8</b>	<b>5.8</b>	<b>3.3</b>	<b>4.0</b>	<b>4.2</b>
Male	8.9	9.2	6.9	9.4	9.5	7.9	6.9	4.6	5.0	5.1
Female	4.1	4.5	4.2	4.1	4.0	3.7	4.6	2.0	3.1	3.2
<b>Northwest Territories</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>
Male	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS
Female	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS
<b>Nunavut</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>
Male	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS
Female	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS
<b>Saskatchewan</b>	<b>11.8</b>	<b>10.1</b>	<b>14.3</b>	<b>15.0</b>	<b>15.4</b>	<b>14.5</b>	<b>17.0</b>	<b>15.6</b>	<b>20.1</b>	<b>19.0</b>
Male	15.7	13.2	17.7	16.6	19.8	16.6	17.9	14.3	23.0	18.8
Female	7.9	6.9	10.8	13.3	10.9	12.3	16.0	16.9	17.2	19.2
<b>Manitoba</b>	<b>9.3</b>	<b>6.8</b>	<b>8.1</b>	<b>8.3</b>	<b>6.7</b>	<b>7.9</b>	<b>6.6</b>	<b>7.0</b>	<b>10.4</b>	<b>13.9</b>
Male	11.3	8.5	10.9	11.1	9.3	9.5	7.2	7.5	10.5	13.2
Female	7.4	5.1	5.4	5.5	4.2	6.4	6.1	6.5	10.3	14.5
<b>Ontario</b>	<b>4.9</b>	<b>5.1</b>	<b>5.0</b>	<b>5.2</b>	<b>5.0</b>	<b>5.2</b>	<b>4.7</b>	<b>3.5</b>	<b>3.3</b>	<b>4.1</b>
Male	8.4	8.4	8.3	8.3	8.2	8.2	7.2	5.6	5.2	6.0
Female	1.5	1.9	1.8	2.0	1.8	2.2	2.3	1.4	1.3	2.2
<b>Quebec</b>	<b>4.5</b>	<b>3.6</b>	<b>3.7</b>	<b>3.7</b>	<b>4.2</b>	<b>3.9</b>	<b>3.6</b>	<b>2.5</b>	<b>2.9</b>	<b>4.9</b>
Male	7.5	5.9	6.3	6.1	6.4	5.8	5.4	3.8	4.6	7.0
Female	1.5	1.3	1.2	1.3	2.1	2.0	1.8	1.1	1.1	2.6
<b>New Brunswick</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>
Male	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS
Female	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS
<b>Nova Scotia</b>	<b>1.8</b>	<b>1.2</b>	<b>1.7</b>	<b>1.8</b>	<b>1.6</b>	<b>3.2</b>	<b>1.8</b>	<b>1.3</b>	<b>1.6</b>	<b>2.6</b>
Male	3.0	2.4	3.1	2.8	3.0	4.7	2.9	1.5	2.7	4.6
Female	0.6	0.0	0.4	0.8	0.2	1.8	0.6	1.2	0.6	0.8
<b>Prince Edward Island</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>
Male	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS
Female	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS
<b>Newfoundland and Labrador</b>	<b>1.1</b>	<b>1.7</b>	<b>2.1</b>	<b>1.5</b>	<b>1.7</b>	<b>0.6</b>	<b>1.1</b>	<b>1.0</b>	<b>0.6</b>	<b>1.1</b>
Male	2.3	3.1	3.8	2.7	3.4	0.4	2.3	1.2	0.4	1.5
Female	0.0	0.4	0.4	0.4	0.0	0.8	0.0	0.8	0.8	0.8
<b>Total</b>	<b>5.2</b>	<b>5.0</b>	<b>4.9</b>	<b>5.2</b>	<b>5.0</b>	<b>5.0</b>	<b>4.7</b>	<b>3.5</b>	<b>3.8</b>	<b>4.7</b>
Male	8.4	7.7	7.7	7.9	7.8	7.4	6.6	5.0	5.5	6.3
Female	2.1	2.2	2.2	2.4	2.2	2.6	2.7	2.0	2.1	3.1

**Abbreviation:** "DS", data suppressed

<sup>a</sup> Population data source: Annual Demographic Statistics, Demography Division, Statistics Canada, July 1, 2022.

<sup>b</sup> The HIV Diagnosis Rate for Total population includes cases reported as transgender and cases where sex was not reported, whereas the population estimates from Statistics Canada include males and females only.

<sup>c</sup> Reporting of HIV cases for individuals younger than two years of age varies among provinces and territories.

<sup>d</sup> For the years 2020, 2021, and 2022, first-time diagnoses are reported for all provinces/territories. Refer to the Technical Notes (**Appendix 2**) for the submission of first-time diagnosis for historical data for each province/territory.

<sup>e</sup> Note that for Alberta, national reporting excludes HIV cases where the location of first-ever positive has been identified as out-of-country or outside the reporting province; consequently, HIV case totals and rates in this report may differ from those reported by Alberta.

**Table 2:** Number of first-time HIV cases (all ages) by province/territory, sex and year of diagnosis – Canada, 2013-2022<sup>a,b,c,d</sup>

Province/territory	Diagnosis Year										Total	
	2013	2014	2015	2016	2017	2018	2019	2020 <sup>b</sup>	2021 <sup>b</sup>	2022 <sup>b</sup>	n	% <sup>c</sup>
<b>British Columbia</b>	<b>265</b>	<b>261</b>	<b>241</b>	<b>241</b>	<b>182</b>	<b>198</b>	<b>176</b>	<b>136</b>	<b>144</b>	<b>134</b>	<b>1,978</b>	<b>11.5</b>
Males	234	215	204	204	166	160	150	112	126	112	1,683	
Females	31	44	37	37	14	38	26	23	18	22	290	
<b>Yukon</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>
Males	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS
Females	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS
<b>Alberta<sup>d</sup></b>	<b>261</b>	<b>281</b>	<b>231</b>	<b>285</b>	<b>286</b>	<b>250</b>	<b>252</b>	<b>147</b>	<b>179</b>	<b>190</b>	<b>2,362</b>	<b>13.7</b>
Males	180	190	145	199	202	172	151	103	111	117	1,570	
Females	80	91	85	85	84	78	99	43	68	73	786	
<b>Northwest Territories</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>
Males	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS
Females	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS
<b>Nunavut</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>
Males	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS
Females	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS
<b>Saskatchewan</b>	<b>130</b>	<b>112</b>	<b>160</b>	<b>170</b>	<b>177</b>	<b>168</b>	<b>199</b>	<b>184</b>	<b>238</b>	<b>227</b>	<b>1,765</b>	<b>10.2</b>
Males	87	74	100	95	115	97	106	85	137	113	1,009	
Females	43	38	60	75	62	71	93	99	101	114	756	
<b>Manitoba</b>	<b>118</b>	<b>87</b>	<b>105</b>	<b>109</b>	<b>90</b>	<b>107</b>	<b>91</b>	<b>97</b>	<b>145</b>	<b>196</b>	<b>1,145</b>	<b>6.6</b>
Males	71	54	70	73	62	64	49	52	73	93	661	
Females	47	33	35	36	28	43	42	45	72	102	483	
<b>Ontario</b>	<b>666</b>	<b>696</b>	<b>686</b>	<b>716</b>	<b>697</b>	<b>738</b>	<b>683</b>	<b>515</b>	<b>483</b>	<b>623</b>	<b>6,503</b>	<b>37.7</b>
Males	555	560	557	567	569	576	514	404	381	449	5,132	
Females	106	130	127	141	125	160	167	105	96	165	1,322	
<b>Quebec</b>	<b>365</b>	<b>292</b>	<b>306</b>	<b>304</b>	<b>352</b>	<b>329</b>	<b>309</b>	<b>212</b>	<b>246</b>	<b>422</b>	<b>3,137</b>	<b>18.2</b>
Males	302	239	255	251	266	245	231	164	197	306	2,456	
Females	63	53	51	53	86	83	75	48	46	114	672	
<b>New Brunswick</b>	<b>DS</b>	<b>DS</b>	<b>7</b>	<b>DS</b>	<b>7</b>	<b>14</b>	<b>14</b>	<b>10</b>	<b>8</b>	<b>DS</b>	<b>71</b>	<b>DS</b>
Males	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	59	
Females	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	12	
<b>Nova Scotia</b>	<b>17</b>	<b>11</b>	<b>16</b>	<b>17</b>	<b>15</b>	<b>31</b>	<b>17</b>	<b>13</b>	<b>16</b>	<b>27</b>	<b>180</b>	<b>1.0</b>
Males	14	11	14	13	14	22	14	7	13	23	145	
Females	3	0	2	4	1	9	3	6	3	4	35	
<b>Prince Edward Island</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>
Males	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS
Females	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS
<b>Newfoundland and Labrador</b>	<b>6</b>	<b>9</b>	<b>11</b>	<b>8</b>	<b>9</b>	<b>3</b>	<b>6</b>	<b>5</b>	<b>3</b>	<b>6</b>	<b>66</b>	<b>0.4</b>
Males	6	8	10	7	9	1	6	3	1	4	55	
Females	0	1	1	1	0	2	0	2	2	2	11	
<b>Total</b>	<b>1,837</b>	<b>1,755</b>	<b>1,766</b>	<b>1,860</b>	<b>1,819</b>	<b>1,848</b>	<b>1,757</b>	<b>1,325</b>	<b>1,468</b>	<b>1,833</b>	<b>17,268</b>	<b>100</b>
Males	1,457	1,356	1,362	1,416	1,413	1,356	1,238	942	1,051	1,224	12,815	
Females	374	391	400	435	401	489	512	375	408	597	4,382	

**Abbreviations:** n, number; DS, data suppressed

<sup>a</sup> Reporting of HIV cases for individuals younger than two years of age varies among provinces and territories.

<sup>b</sup> For the years 2020, 2021 and 2022, first-time diagnoses are reported for all provinces/territories. Refer to the Technical Notes (**Appendix 2**) for the submission of first-time diagnosis for historical data for each province/territory.

<sup>c</sup> Percentages are calculated based on the total of their respective category.

<sup>d</sup> For Alberta, national reporting excludes HIV cases where the location of first-ever positive has been identified as out-of-country or outside the reporting province; consequently HIV case totals from PHAC may differ from those reported by Alberta.

**Table 3:** Number of first-time HIV cases by age group and province/territory – Canada, 2021-2022 <sup>a,b,c,d</sup>

Province/territory	Age group (years)							Total
	0-14 <sup>a</sup>	15-19	20-24	25-29	30-39	40-59	60+	n
<b>2022<sup>b</sup></b>								
British Columbia	0	5	11	17	41	52	6	<b>132</b>
Yukon	DS	DS	DS	DS	DS	DS	DS	<b>DS</b>
Alberta <sup>c</sup>	0	3	9	31	75	61	11	<b>190</b>
Northwest Territories	DS	DS	DS	DS	DS	DS	DS	<b>DS</b>
Nunavut	DS	DS	DS	DS	DS	DS	DS	<b>DS</b>
Saskatchewan	3	1	21	28	98	61	15	<b>227</b>
Manitoba	1	4	21	33	87	42	8	<b>196</b>
Ontario	4	9	53	103	225	182	47	<b>623</b>
Quebec	3	5	29	59	177	126	23	<b>422</b>
New Brunswick	DS	DS	DS	DS	DS	DS	DS	<b>DS</b>
Nova Scotia	DS	DS	DS	DS	DS	DS	DS	<b>DS</b>
Prince Edward Island	DS	DS	DS	DS	DS	DS	DS	<b>DS</b>
Newfoundland and Labrador	0	0	0	2	0	4	0	<b>6</b>
<b>Total<sup>d</sup></b>	<b>11</b>	<b>27</b>	<b>149</b>	<b>277</b>	<b>719</b>	<b>535</b>	<b>113</b>	<b>1,831</b>
<b>2021<sup>b</sup></b>								
British Columbia	0	3	16	26	45	44	8	<b>142</b>
Yukon	DS	DS	DS	DS	DS	DS	DS	<b>DS</b>
Alberta <sup>c</sup>	0	2	14	23	68	61	11	<b>179</b>
Northwest Territories	DS	DS	DS	DS	DS	DS	DS	<b>DS</b>
Nunavut	DS	DS	DS	DS	DS	DS	DS	<b>DS</b>
Saskatchewan	1	5	24	40	76	77	15	<b>238</b>
Manitoba	2	4	16	26	59	33	5	<b>145</b>
Ontario	0	9	41	98	143	147	42	<b>480</b>
Quebec	2	2	11	38	69	98	26	<b>246</b>
New Brunswick	DS	DS	DS	DS	DS	DS	DS	<b>8</b>
Nova Scotia	DS	DS	DS	DS	DS	DS	DS	<b>DS</b>
Prince Edward Island	DS	DS	DS	DS	DS	DS	DS	<b>DS</b>
Newfoundland and Labrador	0	0	0	3	0	0	0	<b>3</b>
<b>Total<sup>d</sup></b>	<b>5</b>	<b>25</b>	<b>128</b>	<b>258</b>	<b>466</b>	<b>473</b>	<b>108</b>	<b>1,463</b>

**Abbreviations:** n, number; DS, data suppressed

<sup>a</sup> Reporting of HIV cases for individuals younger than two years of age varies among provinces and

<sup>b</sup> For the years 2020, 2021, and 2022, first-time diagnoses are reported for all provinces/territories. Refer to the Technical Notes (**Appendix 2**) for the submission of first-time diagnosis for historical data for each province/territory.

<sup>c</sup> Note that for Alberta, national reporting excludes HIV cases where the location of first-ever positive has been identified as out-of-country or outside the reporting province; consequently, HIV case totals and rates in this report may differ from those reported by Alberta.

<sup>d</sup> Excludes cases where age is unknown or not reported.

**Table 4:** Number of first-time HIV cases among adults (≥ 15 years old) by year of diagnosis and sex - Canada, 2013-2022 <sup>a,b</sup>

Year of test	Males		Females		Sex not reported/transgender		Total	
	Number of cases	Cumulative total	Number of cases	Cumulative total	Number of cases	Cumulative total	Number of cases	Cumulative total
2013	1,445	1,445	364	364	6	6	1,815	1,815
2014	1,354	2,799	386	750	7	13	1,747	3,562
2015	1,359	4,158	394	1,144	2	15	1,755	5,317
2016	1,410	5,568	431	1,575	7	22	1,848	7,165
2017	1,406	6,974	395	1,970	3	25	1,804	8,969
2018	1,348	8,322	477	2,447	3	28	1,828	10,797
2019	1,234	9,556	505	2,952	7	35	1,746	12,543
2020 <sup>a,b</sup>	941	10,497	373	3,325	7	42	1,321	13,864
2021 <sup>a,b</sup>	1,047	11,544	403	3,728	8	50	1,458	15,322
2022 <sup>a,b</sup>	1,219	12,763	589	4,317	12	62	1,820	17,142
<b>Total</b>	<b>12,763</b>		<b>4,317</b>		<b>62</b>		<b>17,142</b>	

<sup>a</sup> For the years 2020, 2021, and 2022, first-time diagnoses are reported for all provinces/territories. Refer to the Technical Notes (**Appendix 2**) for the submission of first-time diagnosis for historical data for each province/territory.

<sup>b</sup> Note that for Alberta, national reporting excludes HIV cases where the location of first-ever positive has been identified as out-of-country or outside the reporting province; consequently, HIV case totals and rates in this report may differ from those reported by Alberta.



**Table 6:** Number and percentage distribution of first-time HIV cases among adults (≥ 15 years old) by exposure category and year of diagnosis – Canada, 2013-2022 <sup>a,b,c,d,e,f,g</sup>

Exposure category	Year of Diagnosis <sup>a,b</sup>																				Total	
	2013		2014		2015		2016		2017		2018		2019		2020 <sup>c,d</sup>		2021 <sup>c,d</sup>		2022 <sup>c,d</sup>			
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Male-to-male sexual contact	858	51.8	786	50.8	768	48.7	793	48.5	751	46.4	715	45.0	642	43.1	452	41.9	475	39.7	504	34.8	<b>6,744</b>	<b>45.5</b>
Male-to-male sexual contact and injection drug use	43	2.6	43	2.8	46	2.9	53	3.2	35	2.2	49	3.1	49	3.3	27	2.5	43	3.6	48	3.3	<b>436</b>	<b>2.9</b>
Injection drug use	196	11.8	195	12.6	229	14.5	213	13.0	235	14.5	267	16.8	263	17.6	240	22.3	260	21.8	297	20.5	<b>2,395</b>	<b>16.1</b>
Blood/blood products <sup>e</sup>																						
a) recipient of blood/clotting factor	1	0.1	1	0.1	0	0.0	0	0.0	0	0.0	3	0.2	1	0.1	1	0.1	0	0.0	0	0.0	<b>7</b>	<b>0.0</b>
b) recipient of blood	0	0.0	0	0.0	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	<b>1</b>	<b>0.0</b>
c) recipient of clotting factor	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.1	<b>1</b>	<b>0.0</b>
Heterosexual contact	487	29.4	432	27.9	474	30.0	496	30.3	513	31.7	489	30.8	453	30.4	346	32.1	406	34.0	568	39.2	<b>4,664</b>	<b>31.4</b>
Perinatal	1	0.1	0	0.0	3	0.2	1	0.1	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0	2	0.1	<b>8</b>	<b>0.1</b>
Other <sup>f</sup>	70	4.2	91	5.9	58	3.7	78	4.8	83	5.1	64	4.0	83	5.6	12	1.1	11	0.9	30	2.1	<b>580</b>	<b>3.9</b>
<b>Subtotal</b>	<b>1,656</b>		<b>1,548</b>		<b>1,578</b>		<b>1,635</b>		<b>1,617</b>		<b>1,588</b>		<b>1,491</b>		<b>1,078</b>		<b>1,195</b>		<b>1,450</b>		<b>14,836</b>	
No identified risk <sup>g</sup>	31		62		37		49		53		59		67		50		40		77		<b>525</b>	
Not reported	128		137		141		164		134		181		188		193		223		293		<b>1,782</b>	
<b>Total</b>	<b>1,815</b>		<b>1,747</b>		<b>1,756</b>		<b>1,848</b>		<b>1,804</b>		<b>1,828</b>		<b>1,746</b>		<b>1,321</b>		<b>1,458</b>		<b>1,820</b>		<b>17,143</b>	

**Abbreviations:** n, number; ≥, greater than or equal to

<sup>a</sup> The table includes case reported as transgender and cases where sex was not reported.

<sup>b</sup> Percentages exclude cases with unknown exposure category, cases with no identified risk, and cases where exposure category was not reported.

<sup>c</sup> For the years 2020, 2021 and 2022, first-time diagnoses are reported for all provinces/territories. Refer to Technical Notes (**Appendix 2**) for the submission of first-time diagnosis for historical data for each province/territory and for exposure category.

<sup>d</sup> For Alberta, national reporting excludes HIV cases where the location of first-ever positive has been identified as out-of-country or outside the reporting province; consequently HIV case totals from PHAC may differ from those reported by Alberta.

<sup>e</sup> The subcategories "recipient of blood" from "recipient of clotting factor" have been separated where possible for reporting purposes.

<sup>f</sup> Other includes occupational exposure, cases from Alberta identified through Immigration Refugees and Citizenship Canada and other exposure categories.

<sup>g</sup> Includes cases where the history of exposure to HIV through any of the other modes listed is unknown, or there is no reported exposure history (e.g., because of death, or loss to follow-up).

**Table 7:** Number and percentage distribution of first-time HIV cases among adult males (≥ 15 years old) by exposure category and year of diagnosis – Canada, 2013-2022 <sup>a,b,c,d,e,f</sup>

Exposure category	Year of Diagnosis <sup>a</sup>																				Total	
	2013		2014		2015		2016		2017		2018		2019		2020 <sup>b,c</sup>		2021 <sup>b,c</sup>		2022 <sup>b,c</sup>			
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Male-to-male sexual contact	858	65.1	786	64.7	768	62.7	793	63.1	751	59.9	714	60.9	638	59.6	452	58.0	473	54.3	501	51.1	<b>6,734</b>	<b>60.4</b>
Male-to-male sexual contact and injection drug use	43	3.3	43	3.5	46	3.8	53	4.2	35	2.8	49	4.2	49	4.6	27	3.5	43	4.9	48	4.9	<b>436</b>	<b>3.9</b>
Injection drug use	121	9.2	111	9.1	133	10.9	116	9.2	142	11.3	146	12.4	127	11.9	120	15.4	139	16.0	129	13.1	<b>1,284</b>	<b>11.5</b>
Blood/blood products <sup>d</sup>																						
a) recipient of blood/clotting factor	1	0.1	1	0.1	0	0.0	0	0.0	0	0.0	2	0.2	1	0.1	1	0.1	0	0.0	0	0.0	<b>6</b>	<b>0.1</b>
b) recipient of blood	0	0.0	0	0.0	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	<b>1</b>	<b>0.0</b>
c) recipient of clotting factor	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.1	<b>1</b>	<b>0.0</b>
Heterosexual contact	259	19.7	221	18.2	246	20.1	254	20.2	279	22.3	227	19.4	219	20.5	171	22.0	209	24.0	288	29.4	<b>2,373</b>	<b>21.3</b>
Perinatal	1	0.1	0	0.0	1	0.1	0	0.0	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0	<b>3</b>	<b>0.0</b>
Other <sup>e</sup>	35	2.7	52	4.3	31	2.5	39	3.1	46	3.7	34	2.9	36	3.4	8	1.0	7	0.8	14	1.4	<b>302</b>	<b>2.7</b>
<b>Subtotal</b>	<b>1,318</b>		<b>1,214</b>		<b>1,225</b>		<b>1,256</b>		<b>1,253</b>		<b>1,173</b>		<b>1,070</b>		<b>779</b>		<b>871</b>		<b>981</b>		<b>11,140</b>	
No identified risk <sup>f</sup>	25		40		29		37		47		41		41		27		26		53		<b>366</b>	
Not reported	102		100		105		117		106		134		123		135		150		185		<b>1,257</b>	
<b>Total</b>	<b>1,445</b>		<b>1,354</b>		<b>1,359</b>		<b>1,410</b>		<b>1,406</b>		<b>1,348</b>		<b>1,234</b>		<b>941</b>		<b>1,047</b>		<b>1,219</b>		<b>12,763</b>	

**Abbreviations:** n, number; ≥, greater than or equal to

<sup>a</sup> Percentages exclude cases with unknown exposure category, cases with no identified risk, and cases where exposure category was not reported.

<sup>b</sup> For the years 2020, 2021, and 2022, first-time diagnoses are reported for all provinces/territories. Refer to Technical Notes (**Appendix 2**) for the submission of first-time diagnosis for historical data for each province/territory and for exposure category.

<sup>c</sup> Note that for Alberta, national reporting excludes HIV cases where the location of first-ever positive has been identified as out-of-country or outside the reporting province; consequently, HIV case totals and rates in this report may differ from those reported by Alberta.

<sup>d</sup> The subcategories "recipient of blood" from "recipient of clotting factor" have been separated where possible for reporting purposes.

<sup>e</sup> Other includes occupational exposure, cases from Alberta identified through Immigration Refugees and Citizenship Canada and other exposure categories.

<sup>f</sup> Includes cases where the history of exposure to HIV through any of the other modes listed is unknown, or there is no reported exposure history (e.g., because of death, or loss to follow-up).



**Table 8:** Number and percentage distribution of first-time HIV cases among adult females (≥ 15 years old) by exposure category and year of diagnosis – Canada, 2013-2022<sup>a,b,c,d,e,f</sup>

Exposure category	Year of Diagnosis <sup>a</sup>																				Total	
	2013		2014		2015		2016		2017		2018		2019		2020 <sup>b,c</sup>		2021 <sup>b,c</sup>		2022 <sup>b,c</sup>			
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Injection drug use	74	22.0	82	24.8	96	27.3	97	25.7	92	25.4	121	29.2	136	32.7	120	40.4	121	37.7	168	36.1	1,107	30.1
Blood/blood products <sup>d</sup>																						
a) recipient of blood/clotting factor	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.2	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0
b) recipient of blood	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
c) recipient of clotting factor	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Heterosexual contact	227	67.6	209	63.3	228	64.8	241	63.8	233	64.4	262	63.3	233	56.0	173	58.2	196	61.1	280	60.1	2,282	62.1
Perinatal	0	0.0	0	0.0	2	0.6	1	0.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	0.4	5	0.1
Other <sup>e</sup>	35	10.4	39	11.8	26	7.4	39	10.3	37	10.2	30	7.2	47	11.3	4	1.3	4	1.2	16	3.4	277	7.5
<b>Subtotal</b>	<b>336</b>		<b>330</b>		<b>352</b>		<b>378</b>		<b>362</b>		<b>414</b>		<b>416</b>		<b>297</b>		<b>321</b>		<b>466</b>		<b>3,672</b>	
No identified risk <sup>f</sup>	6		21		8		12		5		17		26		22		13		22		152	
Not reported	22		35		34		41		28		46		63		54		69		101		493	
<b>Total</b>	<b>364</b>		<b>386</b>		<b>394</b>		<b>431</b>		<b>395</b>		<b>477</b>		<b>505</b>		<b>373</b>		<b>403</b>		<b>589</b>		<b>4,317</b>	

**Abbreviations:** n, number; ≥, greater than or equal to

<sup>a</sup> Percentages exclude cases with unknown exposure category, cases with no identified risk, and cases where exposure category was not reported.

<sup>b</sup> For the years 2020, 2021, and 2022, first-time diagnoses are reported for all provinces/territories. Refer to Technical Notes (**Appendix 2**) for the submission of first-time diagnosis for historical data for each province/territory and for exposure

<sup>c</sup> Note that for Alberta, national reporting excludes HIV cases where the location of first-ever positive has been identified as out-of-country or outside the reporting province; consequently, HIV case totals and rates in this report may differ from those reported by Alberta.

<sup>d</sup> The subcategories "recipient of blood" from "recipient of clotting factor" have been separated where possible for reporting purposes.

<sup>e</sup> Other includes occupational exposure, cases from Alberta identified through Immigration Refugees and Citizenship Canada and other exposure categories.

<sup>f</sup> Includes cases where the history of exposure to HIV through any of the other modes listed is unknown, or there is no reported exposure history (e.g., because of death, or loss to follow-up).

**Table 9:** Number and percentage distribution of first-time HIV cases among adults (≥ 15 years old) by exposure category and age group – Canada, 2021-2022 <sup>a,b,c,d,e,f</sup>

Exposure category <sup>a</sup>	Age group (years)														Total	
	15-19		20-24		25-29		30-39		40-59		≥ 60		Age group not reported			
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
<b>2022<sup>b,c</sup></b>																
Male-to-male sexual contact	9	33.3	64	43.0	97	35.0	203	28.2	103	19.3	28	24.8	0	0	<b>504</b>	<b>27.7</b>
Male-to-male sexual contact and injection drug use	0	0.0	5	3.4	8	2.9	18	2.5	13	2.4	4	3.5	0	0	<b>48</b>	<b>2.6</b>
Injection drug use	3	11.1	25	16.8	46	16.6	141	19.6	75	14.0	7	6.2	0	0	<b>297</b>	<b>16.3</b>
Blood/blood products <sup>d</sup>	0	0.0	0	0.0	0	0.0	0	0.0	1	0.2	0	0.0	0	0	<b>1</b>	<b>0.1</b>
Heterosexual contact	6	22.2	27	18.1	69	24.9	218	30.3	206	38.5	42	37.2	0	0.0	<b>568</b>	<b>31.2</b>
Perinatal	1	3.7	0	0.0	0	0.0	0	0.0	1	0.2	0	0.0	0	0	<b>2</b>	<b>0.1</b>
Other <sup>e</sup>	1	3.7	2	1.3	3	1.1	11	1.5	12	2.2	1	0.9	0	0	<b>30</b>	<b>1.6</b>
No identified risk <sup>f</sup>	1	3.7	6	4.0	11	4.0	29	4.0	25	4.7	5	4.4	0	0	<b>77</b>	<b>4.2</b>
Not reported	6	22.2	20	13.4	43	15.5	99	13.8	99	18.5	26	23.0	0	0	<b>293</b>	<b>16.1</b>
<b>2022 Total</b>	<b>27</b>		<b>149</b>		<b>277</b>		<b>719</b>		<b>535</b>		<b>113</b>		<b>0</b>		<b>1,820</b>	
<b>2021<sup>b,c</sup></b>																
Male-to-male sexual contact	5	20.0	53	41.4	103	39.9	156	33.5	135	28.5	23	21.3	0	0.0	<b>475</b>	<b>32.6</b>
Male-to-male sexual contact and injection drug use	0	0.0	5	3.9	13	5.0	16	3.4	8	1.7	1	0.9	0	0.0	<b>43</b>	<b>2.9</b>
Injection drug use	4	16.0	26	20.3	43	16.7	94	20.2	88	18.6	5	4.6	0	0.0	<b>260</b>	<b>17.8</b>
Blood/blood products <sup>d</sup>	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	<b>0</b>	<b>0.0</b>
Heterosexual contact	12	48.0	23	18.0	48	18.6	123	26.4	155	32.8	45	41.7	0	0.0	<b>406</b>	<b>27.8</b>
Perinatal	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	<b>0</b>	<b>0.0</b>
Other <sup>e</sup>	0	0.0	0	0.0	2	0.8	2	0.4	5	1.1	2	1.9	0	0.0	<b>11</b>	<b>0.8</b>
No identified risk <sup>f</sup>	0	0.0	3	2.3	10	3.9	8	1.7	12	2.5	7	6.5	0	0.0	<b>40</b>	<b>2.7</b>
Not reported	4	16.0	18	14.1	39	15.1	67	14.4	70	14.8	25	23.1	0	0.0	<b>223</b>	<b>15.3</b>
<b>2021 Total</b>	<b>25</b>		<b>128</b>		<b>258</b>		<b>466</b>		<b>473</b>		<b>108</b>		<b>0</b>		<b>1,458</b>	

**Abbreviations:** n, number; ≥, greater than or equal to

<sup>a</sup> Percentages exclude cases with unknown exposure category, cases with no identified risk, and cases where exposure category was not reported.

<sup>b</sup> For the years 2020, 2021, and 2022, first-time diagnoses are reported for all provinces/territories. Refer to Technical Notes (**Appendix 2**) for the submission of first-time diagnosis for historical data for each province/territory and for exposure category.

<sup>c</sup> Note that for Alberta, national reporting excludes HIV cases where the location of first-ever positive has been identified as out-of-country or outside the reporting province; consequently, HIV case totals and rates in this report may differ from those reported by Alberta.

<sup>d</sup> All HIV cases in the recipient of blood/clotting factor, recipient of blood, recipient of clotting factor exposure categories were attributed to "Blood/blood products".

<sup>e</sup> "Other" includes occupational exposure, cases from Alberta identified through Immigration Refugees and Citizenship Canada and other exposure categories.

<sup>f</sup> Includes cases where the history of exposure to HIV through any of the other modes listed is unknown, or there is no reported exposure history (e.g., because of death, or loss to follow-up).

**Table 10:** Number and percentage distribution of first-time HIV cases among children (<15 years old) by exposure category and year of diagnosis – Canada, 2013-2022 <sup>a,b,c,d,e,f</sup>

Exposure Category	Year of Test <sup>a</sup>																		TOTAL			
	2013		2014		2015		2016		2017		2018		2019		2020 <sup>b,c</sup>		2021 <sup>b,c</sup>				2022 <sup>b,c</sup>	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
<b>Blood/Blood Products<sup>d</sup></b>																						
a) Recipient of blood/clotting factor	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
b) Recipient of blood	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
c) Recipient of clotting factor	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Perinatal transmission	8	53.3	1	20.0	4	57.1	3	50.0	5	45.5	8	61.5	3	50.0	2	100.0	3	75.0	6	85.7	43	56.6
Other <sup>e</sup>	7	46.7	4	80.0	3	42.9	3	50.0	6	54.5	5	38.5	3	50.0	0	0.0	1	25.0	1	14.3	33	43.4
<b>Subtotal</b>	<b>15</b>		<b>5</b>		<b>7</b>		<b>6</b>		<b>11</b>		<b>13</b>		<b>6</b>		<b>2</b>		<b>4</b>		<b>7</b>		<b>76</b>	
No identified risk <sup>f</sup>	4		0		1		2		0		0		0		0		1		1		9	
Not reported	1		1		1		2		3		5		4		0		0		3		20	
<b>Total</b>	<b>20</b>		<b>6</b>		<b>9</b>		<b>10</b>		<b>14</b>		<b>18</b>		<b>10</b>		<b>2</b>		<b>5</b>		<b>11</b>		<b>105</b>	

**Abbreviations:** n, number; <, less than

<sup>a</sup> Percentages exclude cases with unknown exposure category, cases with no identified risk, and cases where exposure category was not reported.

<sup>b</sup> For the years 2020, 2021, and 2022, first-time diagnoses are reported for all provinces/territories. Refer to Technical Notes (**Appendix 2**) for the submission of first-time diagnosis for historical data for each province/territory and for exposure category.

<sup>c</sup> Note that for Alberta, national reporting excludes HIV cases where the location of first-ever positive has been identified as out-of-country or outside the reporting province; consequently, HIV case totals and rates in this report may differ from those reported by Alberta.

<sup>d</sup> It is not always possible to separate "recipient of blood" from "recipient of clotting factor". However, they have been separated where possible for reporting purposes.

<sup>e</sup> Other includes cases from Alberta identified through Immigration Refugees and Citizenship Canada and other exposure categories.

<sup>f</sup> Includes cases where the history of exposure to HIV through any of the other modes listed is unknown, or there is no reported exposure history (e.g., because of death, or loss to follow-up).

**Table 11:** Number of first-time HIV cases by exposure category and province/territory – Canada, 2021-2022 <sup>a,b,c,d,e,f,g</sup>

Exposure category	Province/territory <sup>a</sup>												Total		
	BC	YT	AB <sup>b</sup>	NT	NU	SK	MB	ON	QC	NB	NS	PE	NL	n	% <sup>c</sup>
<b>2022<sup>d</sup></b>															
Male-to-male sexual contact	72	DS	44	DS	DS	10	6	191	161	DS	DS	DS	2	<b>504</b>	<b>34.6</b>
Male-to-male sexual contact and injection drug use	6	DS	12	DS	DS	1	9	13	5	DS	DS	DS	0	<b>48</b>	<b>3.3</b>
Injection drug use	13	DS	38	DS	DS	94	108	28	9	DS	DS	DS	1	<b>298</b>	<b>20.5</b>
Blood/blood products <sup>e</sup>	0	DS	0	DS	DS	0	0	1	0	DS	DS	DS	0	<b>1</b>	<b>0.1</b>
Heterosexual contact	26	DS	59	DS	DS	77	32	126	242	DS	DS	DS	1	<b>568</b>	<b>39.0</b>
Perinatal	1	DS	0	DS	DS	3	0	0	4	DS	DS	DS	0	<b>8</b>	<b>0.5</b>
Other <sup>f</sup>	1	DS	26	DS	DS	2	1	0	0	DS	DS	DS	0	<b>30</b>	<b>2.1</b>
<b>2022 Subtotal</b>	<b>119</b>	<b>DS</b>	<b>179</b>	<b>DS</b>	<b>DS</b>	<b>187</b>	<b>156</b>	<b>359</b>	<b>421</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>4</b>	<b>1457</b>	
No identified risk <sup>g</sup>	1	DS	0	DS	DS	40	0	36	1	DS	DS	DS	0	<b>78</b>	
Not reported	14	DS	11	DS	DS	0	40	228	0	DS	DS	DS	2	<b>298</b>	
<b>2022 Total</b>	<b>134</b>	<b>DS</b>	<b>190</b>	<b>DS</b>	<b>DS</b>	<b>227</b>	<b>196</b>	<b>623</b>	<b>422</b>	<b>DS</b>	<b>DS</b>	<b>DS</b>	<b>6</b>	<b>1,833</b>	
<b>2021<sup>d</sup></b>															
Male-to-male sexual contact	72	DS	47	DS	DS	5	8	184	139	DS	DS	DS	1	<b>475</b>	<b>39.6</b>
Male-to-male sexual contact and injection drug use	5	DS	6	DS	DS	4	3	16	9	DS	DS	DS	0	<b>43</b>	<b>3.6</b>
Injection drug use	24	DS	29	DS	DS	102	56	36	8	DS	DS	DS	2	<b>261</b>	<b>21.8</b>
Blood/blood products <sup>e</sup>	0	DS	0	DS	DS	0	0	0	0	DS	DS	DS	0	<b>0</b>	<b>0.0</b>
Heterosexual contact	31	DS	80	DS	DS	98	14	92	88	DS	DS	DS	0	<b>406</b>	<b>33.9</b>
Perinatal	0	DS	0	DS	DS	1	1	0	1	DS	DS	DS	0	<b>3</b>	<b>0.3</b>
Other <sup>f</sup>	1	DS	7	DS	DS	2	0	0	0	DS	DS	DS	0	<b>11</b>	<b>0.9</b>
<b>2021 Subtotal</b>	<b>133</b>	<b>DS</b>	<b>169</b>	<b>DS</b>	<b>DS</b>	<b>212</b>	<b>82</b>	<b>328</b>	<b>245</b>	<b>6</b>	<b>DS</b>	<b>DS</b>	<b>3</b>	<b>1199</b>	
No identified risk <sup>g</sup>	0	DS	0	DS	DS	26	1	11	1	DS	DS	DS	0	<b>41</b>	
Not reported	11	DS	10	DS	DS	0	62	144	0	DS	DS	DS	0	<b>228</b>	
<b>2021 Total</b>	<b>144</b>	<b>DS</b>	<b>179</b>	<b>DS</b>	<b>DS</b>	<b>238</b>	<b>145</b>	<b>483</b>	<b>246</b>	<b>8</b>	<b>DS</b>	<b>DS</b>	<b>3</b>	<b>1,468</b>	

**Abbreviations:** n, number; DS, data suppressed; BC, British Columbia; YT, Yukon; AB, Alberta; NT, Northwest Territories; NU, Nunavut; SK, Saskatchewan; MB, Manitoba; ON, Ontario; QC, Quebec; NB, New Brunswick; NS, Nova Scotia; PE, Prince Edward Island; NL, Newfoundland and Labrador

<sup>a</sup> Reporting of HIV cases for individuals younger than two years of age varies among provinces and territories.

<sup>b</sup> Note that for Alberta, national reporting excludes HIV cases where the location of first-ever positive has been identified as out-of-country or outside the reporting province; consequently, HIV case totals and rates in this report may differ from those reported by Alberta.

<sup>c</sup> Percentages exclude cases with unknown exposure category, cases with no identified risk, and cases where exposure category was not reported.

<sup>d</sup> For the years 2020, 2021, and 2022, first-time diagnoses are reported for all provinces/territories. Refer to Technical Notes (**Appendix 2**) for the submission of first-time diagnosis for historical data for each province/territory and for exposure category.

<sup>e</sup> All HIV cases in the recipient of blood/clotting factor, recipient of blood, recipient of clotting factor exposure categories were attributed to "Blood/blood products".

<sup>f</sup> Other includes occupational exposure, cases from Alberta identified through Immigration Refugees and Citizenship Canada and other exposure categories.

<sup>g</sup> Includes cases where the history of exposure to HIV through any of the other modes listed is unknown, or there is no reported exposure history (e.g., because of death, or loss to follow-up).

**Table 12:** Number and percentage distribution of immigration applicants to Canada diagnosed with HIV as a result of an immigration medical exam (IME) by year and location of test, 2013 to 2022<sup>a,b,c,d</sup>

Year <sup>b,c</sup>	Tested in Canada		Tested overseas		Total diagnosed with HIV on IME
	Number diagnosed with HIV	% <sup>d</sup>	Number diagnosed with HIV	% <sup>d</sup>	
2013	422	67.7	201	32.3	623
2014	345	67.9	163	32.1	508
2015	350	63.6	200	36.4	550
2016	418	55.7	333	44.3	751
2017	549	65.7	286	34.3	835
2018	696	67.8	330	32.2	1,026
2019	626	52.7	562	47.3	1,188
2020	399	53.7	344	46.3	743
2021	453	52.4	412	47.6	865
2022	1,032	48.7	1,087	51.3	2,119
<b>Total</b>	<b>5,290</b>	<b>57.5</b>	<b>3,918</b>	<b>42.5</b>	<b>9,208</b>

**Abbreviations:** NR, not reported; %, percentage

<sup>a</sup> Immigration, Refugees, and Citizenship Canada, IRCC GCMS and IMS/FOSS as of July 2023. Reproduced and distributed with the permission of Immigration, Refugees, and Citizenship Canada.

<sup>b</sup> For applicants tested in Canada, the year refers to the year of the test.

<sup>c</sup> For applicants tested internationally, the year refers to the year the applicant landed in Canada.

<sup>d</sup> Percentages refer to proportion of category among all positive HIV tests as a result of an IME reported for the particular year specified.

**Table 13:** Number and percentage distribution of immigration applicants to Canada diagnosed with HIV as a result of an immigration medical exam (IME) by location of test, sex, age group, and province, 2012-2022<sup>a,b,c,d,e,f</sup>

	Tested in Canada		Tested overseas	
	Number diagnosed with HIV	%	Number diagnosed with HIV	%
<b>Sex<sup>b</sup></b>				
Male	3277	59.3%	2241	57.3%
Female	2251	40.7%	1668	42.7%
<b>Age group<sup>c</sup></b>				
<20	78	1.4%	247	6.3%
20-29	1045	18.9%	1149	29.3%
30-39	2164	39.1%	1343	34.3%
40-49	1402	25.3%	662	16.9%
50+	844	15.3%	517	13.2%
<b>Province<sup>d,e</sup></b>				
AB	476	8.6%	468	13.4%
BC	462	8.3%	414	11.8%
MB	87	1.6%	204	5.8%
ON	2893	52.3%	1250	35.8%
QC	1497	27.1%	842	24.1%
SK	62	1.1%	111	3.2%
Atlantic provinces <sup>c</sup>	55	1.0%	195	5.6%
Territories <sup>c</sup>	1	0.0%	10	0.3%

<sup>a</sup> Immigration, Refugees, and Citizenship Canada, IRCC GCMS and IMS/FOSS as of July 2023. Reproduced and distributed with the permission of Immigration, Refugees, and Citizenship Canada.

<sup>b</sup> Excludes cases where sex was reported as transgender, or cases where sex was not reported.

<sup>c</sup> Excludes cases where age is unknown or not reported.

<sup>d</sup> For applicants tested in Canada, the province refers to the province where test was conducted. For applicants tested internationally, the province refers the intended province of residence.

<sup>e</sup> Excludes cases where province is unknown or not reported.

<sup>f</sup> Due to small numbers, the data for the Atlantic provinces and territories are aggregated.

**Table 14:** Number of Canadian perinatally HIV-exposed infants by exposure category of the person who gave birth to them and year of infant birth, 1984-2022<sup>a,b</sup>

Childbearing individual exposure category	Year of birth																		Total	
	1984-2014		2015		2016		2017		2018		2019		2020		2021		2022			
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	% <sup>a</sup>
IDU	933	23.3	52	22.8	51	22.3	55	25.0	46	18.7	34	16.2	32	14.9	40	22.0	35	16.8	1278	22.3
Blood products/ Transfusion/ Medical	73	1.8	5	2.2	2	0.9	4	1.8	4	1.6	5	2.4	8	3.7	1	0.5	2	1.0	104	1.8
Heterosexual contact	2944	73.6	156	68.4	162	70.7	151	68.6	189	76.8	161	76.7	160	74.4	125	68.7	157	75.5	4205	73.3
Perinatal Transmission <sup>b</sup>	25	0.6	13	5.7	9	3.9	8	3.6	6	2.4	7	3.3	11	5.1	12	6.6	14	6.7	105	1.8
Other	25	0.6	2	0.9	5	2.2	2	0.9	1	0.4	3	1.4	4	1.9	4	2.2	0	0.0	46	0.8
NIR	406		26		40		39		34		48		39		29		31		692	
<b>Total</b>	<b>4406</b>	<b>100.0</b>	<b>254</b>	<b>100.0</b>	<b>269</b>	<b>100.0</b>	<b>259</b>	<b>100.0</b>	<b>280</b>	<b>100.0</b>	<b>258</b>	<b>100.0</b>	<b>254</b>	<b>100.0</b>	<b>211</b>	<b>100.0</b>	<b>239</b>	<b>100.0</b>	<b>6430</b>	<b>100.0</b>

**Data Source:** CPHSP data received March 13, 2023

<sup>a</sup> Percentages based on total number minus reports for which there was no identified risk (NIR).

<sup>b</sup> This category includes infants born to people who contracted HIV perinatally themselves.

**Table 15:** Number of Canadian perinatally HIV-exposed infants by year of birth, current status and use of antiretroviral therapy (ART) for prophylaxis, 1984-2022<sup>a,b,c</sup>

	Year of birth									Total
	1984-2014	2015	2016	2017	2018	2019	2020	2021	2022	
<b>No perinatal ART prophylaxis</b>										
<b>Confirmed living with HIV</b>	<b>675</b>	<b>11</b>	<b>6</b>	<b>5</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>711</b>
Asymptomatic	46	6	3	2	2	1	1	1	2	64
Symptomatic	6	1	1	0	0	0	0	1	0	9
Died of AIDS	100	0	0	0	0	0	0	0	0	100
Died of other	10	0	0	0	0	0	0	0	0	10
Lost to follow-up <sup>a</sup>	229	4	2	3	2	2	1	1	0	244
Adult care <sup>b</sup>	284	0	0	0	0	0	0	0	0	284
<b>Confirmed not living with HIV</b>	<b>512</b>	<b>6</b>	<b>10</b>	<b>10</b>	<b>6</b>	<b>4</b>	<b>4</b>	<b>2</b>	<b>5</b>	<b>559</b>
<b>HIV status not confirmed</b>	<b>26</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>29</b>
Indeterminate	0	0	0	0	0	0	0	0	2	2
Lost to follow-up <sup>c</sup>	26	0	0	0	0	0	1	0	0	27
<b>Subtotal</b>	<b>1213</b>	<b>17</b>	<b>16</b>	<b>15</b>	<b>10</b>	<b>7</b>	<b>7</b>	<b>5</b>	<b>9</b>	<b>1299</b>
<b>Any perinatal ART prophylaxis</b>										
<b>Confirmed living with HIV</b>	<b>30</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>3</b>	<b>40</b>
Asymptomatic	4	1	0	0	0	0	0	0	2	7
Symptomatic	1	0	0	0	0	0	1	0	1	3
Died of AIDS	1	0	0	0	0	0	0	0	0	1
Died of other	1	0	0	0	0	0	0	0	0	1
Lost to follow-up <sup>a</sup>	16	1	0	1	2	0	1	0	0	21
Adult care <sup>b</sup>	7	0	0	0	0	0	0	0	0	7
<b>Confirmed not living with HIV</b>	<b>3085</b>	<b>228</b>	<b>247</b>	<b>238</b>	<b>256</b>	<b>236</b>	<b>231</b>	<b>191</b>	<b>173</b>	<b>4885</b>
<b>HIV status not confirmed</b>	<b>26</b>	<b>4</b>	<b>3</b>	<b>4</b>	<b>9</b>	<b>11</b>	<b>10</b>	<b>12</b>	<b>51</b>	<b>130</b>
Indeterminate	0	0	0	0	0	0	0	0	51	51
Lost to follow-up <sup>c</sup>	26	4	3	4	9	11	10	12	0	79
<b>Subtotal</b>	<b>3141</b>	<b>234</b>	<b>250</b>	<b>243</b>	<b>267</b>	<b>247</b>	<b>243</b>	<b>203</b>	<b>227</b>	<b>5055</b>
<b>Perinatal ART prophylaxis exposure unknown</b>										
<b>Confirmed living with HIV</b>	<b>32</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>36</b>
<b>Confirmed not living with HIV</b>	<b>19</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>3</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>34</b>
<b>HIV status not confirmed</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>6</b>
<b>Subtotal</b>	<b>52</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>3</b>	<b>4</b>	<b>4</b>	<b>3</b>	<b>3</b>	<b>76</b>
<b>Total</b>	<b>4406</b>	<b>254</b>	<b>269</b>	<b>259</b>	<b>280</b>	<b>258</b>	<b>254</b>	<b>211</b>	<b>239</b>	<b>6430</b>

Data Source: CPHSP data received March 13, 2023

<sup>a</sup> A child is considered to be lost to follow-up if there are no current status data for the past 3 years or for the 3 years before the child turned 18 years old.

<sup>b</sup> These are subjects that were 18 years of age or over by the end of 2022 and transferred to adult care.

<sup>c</sup> Also included infants that died before status was finalized.



**Table 16:** Number of Canadian perinatally HIV-exposed infants by geographic region and status at last report, 1984-2022<sup>a,b</sup>

	Confirmed living with HIV							Confirmed not living with HIV	HIV status not confirmed			Total	
	Asymptomatic	Symptomatic	Died of AIDS	Died of other	LFU <sup>a</sup> infected	Adult care	Subtotal		Indeterminate	LFU <sup>a,b</sup>	Subtotal	n	%
BC	14	6	4	2	12	49	87	664	2	7	9	<b>760</b>	<b>11.8</b>
Alberta	18	2	5	1	26	35	87	815	6	20	26	<b>928</b>	<b>14.4</b>
Saskatchewan	19	2	1	0	1	8	31	538	14	18	32	<b>601</b>	<b>9.3</b>
Manitoba	0	0	1	0	8	2	11	342	3	2	5	<b>358</b>	<b>5.6</b>
Ontario	7	2	40	6	176	81	312	1815	15	36	51	<b>2178</b>	<b>33.9</b>
Quebec	27	1	44	1	45	123	241	1259	12	25	37	<b>1537</b>	<b>23.9</b>
Atlantic	1	0	5	1	6	4	17	44	2	2	4	<b>65</b>	<b>1.0</b>
Yukon/NWT	0	0	1	0	0	0	1	1	0	1	1	<b>3</b>	<b>0.0</b>
<b>Total</b>	<b>86</b>	<b>13</b>	<b>101</b>	<b>11</b>	<b>274</b>	<b>302</b>	<b>787</b>	<b>5478</b>	<b>54</b>	<b>111</b>	<b>165</b>	<b>6430</b>	<b>100.0</b>
<b>% of subtotal</b>	<b>10.9</b>	<b>1.7</b>	<b>12.8</b>	<b>1.4</b>	<b>34.8</b>	<b>38.4</b>	<b>100.0</b>	<b>100.0</b>	<b>32.7</b>	<b>67.3</b>	<b>100.0</b>		
<b>% of total</b>	<b>1.3</b>	<b>0.2</b>	<b>1.6</b>	<b>0.2</b>	<b>4.3</b>	<b>4.7</b>	<b>12.2</b>	<b>85.2</b>	<b>0.8</b>	<b>1.7</b>	<b>2.6</b>		

**Data Source:** CPHSP data received March 13, 2023

<sup>a</sup> LFU denotes "lost to follow-up."

<sup>b</sup> Also included infants that died before status was finalized.



Table 18: Number of Canadian perinatally HIV-exposed infants by country of birth of the person who was pregnant and HIV status, 1984-2022

	Year of birth																					Total	
	1984-1996		1997-2014		2015		2016		2017		2018		2019		2020		2021		2022				
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	
<b>North America</b>	<b>352</b>	<b>44.6</b>	<b>1527</b>	<b>42.2</b>	<b>110</b>	<b>43.3</b>	<b>105</b>	<b>39.0</b>	<b>114</b>	<b>44.0</b>	<b>108</b>	<b>38.6</b>	<b>90</b>	<b>34.9</b>	<b>90</b>	<b>35.4</b>	<b>95</b>	<b>45.0</b>	<b>97</b>	<b>40.6</b>	<b>2688</b>	<b>41.8</b>	
<b>Prospective cohort</b>																							
Confirmed living with HIV	41	17.4	34	2.3	3	2.8	0	0.0	1	0.9	2	1.9	1	1.1	3	3.6	2	2.3	4	5.7	91	3.7	
Confirmed not living with HIV	195	82.6	1444	97.7	105	97.2	103	100.0	110	99.1	102	98.1	88	98.9	80	96.4	86	97.7	66	94.3	2379	96.3	
<b>Retrospective cohort</b>																							
Confirmed living with HIV	73	68.9	18	60.0	0	0.0	0	0.0	2	100.0	0	0.0	0	0.0	1	100.0	0	0.0	0	0.0	94	67.6	
Confirmed not living with HIV	33	31.1	12	40.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	45	32.4	
HIV status not confirmed	10		19		2		2		1		4		1		6		7		27		79		
<b>Africa</b>	<b>174</b>	<b>22.1</b>	<b>1504</b>	<b>41.6</b>	<b>102</b>	<b>40.2</b>	<b>118</b>	<b>43.9</b>	<b>111</b>	<b>42.9</b>	<b>131</b>	<b>46.8</b>	<b>124</b>	<b>48.1</b>	<b>121</b>	<b>47.6</b>	<b>87</b>	<b>41.2</b>	<b>94</b>	<b>39.3</b>	<b>2566</b>	<b>39.9</b>	
<b>Prospective cohort</b>																							
Confirmed living with HIV	11	22.4	21	1.6	1	1.1	1	0.9	1	0.9	1	0.8	0	0.0	0	0.0	0	0.0	0	0.0	36	1.7	
Confirmed not living with HIV	38	77.6	1263	98.4	94	98.9	114	99.1	107	99.1	121	99.2	113	100.0	115	100.0	82	100.0	75	100.0	2122	98.3	
<b>Retrospective cohort</b>																							
Confirmed living with HIV	112	91.8	197	92.5	5	100.0	3	100.0	1	100.0	3	100.0	1	100.0	1	100.0	1	100.0	0	0.0	324	92.6	
Confirmed not living with HIV	10	8.2	16	7.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	26	7.4	
HIV status not confirmed	3		7		2		0		2		6		10		5		4		19		58		
<b>Caribbean</b>	<b>161</b>	<b>20.4</b>	<b>282</b>	<b>7.8</b>	<b>11</b>	<b>4.3</b>	<b>12</b>	<b>4.5</b>	<b>16</b>	<b>6.2</b>	<b>20</b>	<b>7.1</b>	<b>17</b>	<b>6.6</b>	<b>19</b>	<b>7.5</b>	<b>14</b>	<b>6.6</b>	<b>26</b>	<b>10.9</b>	<b>578</b>	<b>9.0</b>	
<b>Prospective cohort</b>																							
Confirmed living with HIV	21	24.1	7	2.8	0	0.0	0	0.0	0	0.0	1	5.0	0	0.0	0	0.0	0	0.0	1	4.8	30	6.4	
Confirmed not living with HIV	66	75.9	246	97.2	11	100.0	12	100.0	15	100.0	19	95.0	16	100.0	19	100.0	14	100.0	20	95.2	438	93.6	
<b>Retrospective cohort</b>																							
Confirmed living with HIV	60	85.7	26	96.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	86	87.8	
Confirmed not living with HIV	10	14.3	1	3.7	0	0.0	0	0.0	1	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	12	12.2	
HIV status not confirmed	4		2		0		0		0		0		1		0		0		5		12		
<b>Central &amp; South America</b>	<b>18</b>	<b>2.3</b>	<b>49</b>	<b>1.4</b>	<b>4</b>	<b>1.6</b>	<b>4</b>	<b>1.5</b>	<b>5</b>	<b>1.9</b>	<b>5</b>	<b>1.8</b>	<b>7</b>	<b>2.7</b>	<b>4</b>	<b>1.6</b>	<b>5</b>	<b>2.4</b>	<b>5</b>	<b>2.1</b>	<b>106</b>	<b>1.6</b>	
<b>Prospective cohort</b>																							
Confirmed living with HIV	4	44.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4	4.4	
Confirmed not living with HIV	5	55.6	44	100.0	4	100.0	4	100.0	4	100.0	5	100.0	7	100.0	4	100.0	5	100.0	5	100.0	87	95.6	
<b>Retrospective cohort</b>																							
Confirmed living with HIV	9	100.0	3	100.0	0	0.0	0	0.0	1	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	13	100.0	
Confirmed not living with HIV	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
HIV status not confirmed	0		2		0		0		0		0		0		0		0		0		2		
<b>Asia &amp; Oceania</b>	<b>18</b>	<b>2.3</b>	<b>131</b>	<b>3.6</b>	<b>11</b>	<b>4.3</b>	<b>14</b>	<b>5.2</b>	<b>7</b>	<b>2.7</b>	<b>7</b>	<b>2.5</b>	<b>11</b>	<b>4.3</b>	<b>10</b>	<b>3.9</b>	<b>4</b>	<b>1.9</b>	<b>7</b>	<b>2.9</b>	<b>220</b>	<b>3.4</b>	
<b>Prospective cohort</b>																							
Confirmed living with HIV	0	0.0	2	2.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	1.1	
Confirmed not living with HIV	6	100.0	100	98.0	9	100.0	13	100.0	7	100.0	7	100.0	11	100.0	9	100.0	4	100.0	7	100.0	173	98.9	
<b>Retrospective cohort</b>																							
Confirmed living with HIV	12	100.0	29	100.0	2	100.0	1	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	44	100.0	
Confirmed not living with HIV	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
HIV status not confirmed	0		0		0		0		0		0		0		1		0		0		1		
<b>Europe</b>	<b>26</b>	<b>3.3</b>	<b>37</b>	<b>1.0</b>	<b>6</b>	<b>2.4</b>	<b>3</b>	<b>1.1</b>	<b>4</b>	<b>1.5</b>	<b>2</b>	<b>0.7</b>	<b>3</b>	<b>1.2</b>	<b>3</b>	<b>1.2</b>	<b>3</b>	<b>1.4</b>	<b>4</b>	<b>1.7</b>	<b>91</b>	<b>1.4</b>	
<b>Prospective cohort</b>																							
Confirmed living with HIV	1	16.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	1.6	
Confirmed not living with HIV	5	83.3	31	100.0	6	100.0	3	100.0	4	100.0	2	100.0	3	100.0	3	100.0	2	100.0	3	100.0	62	98.4	
<b>Retrospective cohort</b>																							
Confirmed living with HIV	15	78.9	5	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	20	83.3	
Confirmed not living with HIV	4	21.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4	16.7	
HIV status not confirmed	1		1		0		0		0		0		0		1		1		1		4		
<b>Unknown</b>	<b>40</b>	<b>5.1</b>	<b>87</b>	<b>2.4</b>	<b>10</b>	<b>3.9</b>	<b>13</b>	<b>4.8</b>	<b>2</b>	<b>0.8</b>	<b>7</b>	<b>2.5</b>	<b>6</b>	<b>2.3</b>	<b>7</b>	<b>2.8</b>	<b>3</b>	<b>1.4</b>	<b>6</b>	<b>2.5</b>	<b>181</b>	<b>2.8</b>	
<b>Prospective cohort</b>																							
Confirmed living with HIV	1	25.0	3	4.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4	3.7	
Confirmed not living with HIV	3	75.0	59	95.2	7	100.0	11	100.0	1	100.0	6	100.0	5	100.0	7	100.0	3	100.0	3	100.0	105	96.3	
<b>Retrospective cohort</b>																							
Confirmed living with HIV	11	32.4	21	91.3	3	100.0	1	100.0	0	0.0	0	0.0	1	100.0	0	0.0	0	0.0	1	100.0	38	60.3	
Confirmed not living with HIV	23	67.6	2	8.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	25	39.7	
HIV status not confirmed	2		2		0		1		1		1		0		0		0		2		9		
<b>Total</b>	<b>789</b>	<b>100.0</b>	<b>3617</b>	<b>100.0</b>	<b>254</b>	<b>100.0</b>	<b>269</b>	<b>100.0</b>	<b>259</b>	<b>100.0</b>	<b>280</b>	<b>100.0</b>	<b>258</b>	<b>100.0</b>	<b>254</b>	<b>100.0</b>	<b>211</b>	<b>100.0</b>	<b>239</b>	<b>100.0</b>	<b>6430</b>	<b>100.0</b>	
<b>Prospective cohort</b>																							
Confirmed living with HIV	79	19.9	67	2.1	4	1.7	1	0.4	2	0.8	4	1.5	1	0.4	3	1.3	2	1.0	5	2.7	168	3.0	
Confirmed not living with HIV	318	80.1	3187	97.9	236	98.3	260	99.6	248	99.2	262	98.5	243	99.6	237	98.8	196	99.0	179	97.3	5366	97.0	
<b>Retrospective cohort</b>																							
Confirmed living with HIV	292	78.5	299	90.6	10	100.0	5	100.0	4	80.0	3	100.0	2	100.0	2	100.0	1	100.0	1	100.0	619	84.7	
Confirmed not living with HIV	80	21.5	31	9.4	0	0.0	0	0.0	1	20.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	112	15.3	
HIV status not confirmed	20		33		4		3		4		11		12		12		12		54		165		

Data Source: CPHSP data received March 13, 2023