Education, learning and training: Research Paper Series

Distance as a Factor for First Nations, Métis, and Inuit High School Completion △



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Release date: June 21, 2023



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Correction notice

On July 7, 2023, the word "l'extérieur" was corrected to "l'intérieur" in the first paragraph of the introduction in the French version of the publication.

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Distance as a Factor for First Nations, Métis, and Inuit High School Completion

Introduction

First Nations people, Metis and Inuit are comprised of diverse populations with their own unique cultures, traditions, and languages. Overall educational attainment for Indigenous populations is lower than that of their non-Indigenous counterparts. Previous research,¹ as well as the findings of the Truth and Reconciliation Commission,² have shown that the legacy of residential schools, the impact of intergenerational trauma, and the absence of culturally relevant curricula have had a profound impact on the educational outcomes of Indigenous peoples in Canada. Further, First Nations people living on reserve and Inuit living inside Inuit Nunangat are less likely to have access to a high school within their community, requiring those individuals to leave their communities to pursue education, often at a young age.³

More broadly, geography plays an important role in the social, health, and economic outcomes of Indigenous and non-Indigenous peoples living in Canada. Proximity to labour market opportunities and educational institutions are known determinants of whether an individual successfully secures employment or pursues higher education.⁴ Previous work has suggested that being in closer proximity to an educational institution is positively associated with educational attainment of people from lower income families and female students.⁵ This advantage of proximity has been linked to reduced financial costs of schooling, continued access to community support, or the presence of role models and mentors who have also pursued education.⁶ In the absence of these supports, students may leave school early – to enter the labour force, to help out at home, or to care for a child, for example.

There are many additional factors at the individual, family, and community level that contribute to whether an individual pursues education. Some of these are not measurable within this analysis, including cultural, academic, and aspirational factors. Distance, as a result, may be a proxy for some of these characteristics. This study can, however, demonstrate the impact of distance relative to factors such as low-income status, whether an individual is a parent, sex at birth, and other geographic indicators, which tend to affect educational attainment.

Using data from the 2016 Census of Population and the Remoteness Index Classification, this fact sheet will examine the relationship between remoteness and high school completion for First Nations people living on and off reserve, Métis and Inuit aged 19 to 45. This age group was chosen to be inclusive of life-long learners, while limiting the analysis to the contemporary educational context.

The effects of distance

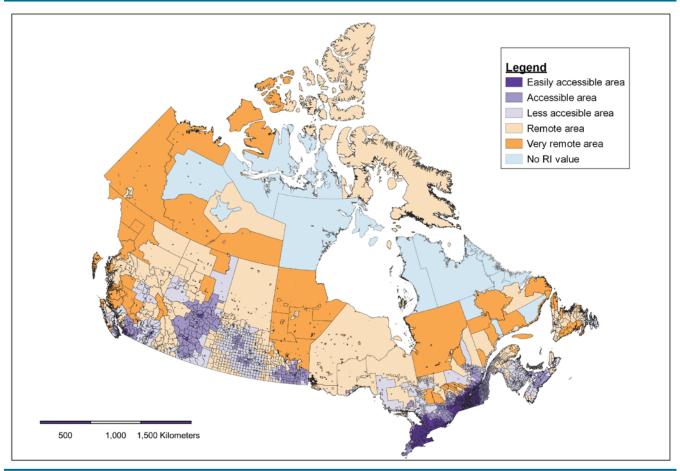
Indigenous peoples are more likely than non-Indigenous people to live in rural and remote communities. For First Nations people and Inuit, these settlement patterns are linked to their historical relocation by the Canadian government.⁸ Today, the most remote communities in Northern Canada may only be reachable by air or by road for a few months of the year. As a result, remote communities incur higher costs in the provision of essential services, including education, resulting in outdated infrastructure, poor retention of school staff and higher staff turnover rates.⁹ In addition, if students must travel long distances to attend high school, transportation options such as walking, public transit, and parent-provided transportation may not be available.

- See Arriagada (2015).
- Truth and Reconciliation Commission (2015).
- 3. Assembly of First Nations (2007).
- See Åslund et al. (2010) and Frenette (2002).
- Frenette (2002)
- Due to a lower level of exposure, students in areas further away from educational institutions simply may not see the benefits from a university education, as fewer people hold a degree. This phenomenon is known as the neighbourhood educational attainment. See Frenette (2002).
- Parental education level is an important determinant of educational attainment. However, due to the selected sample (aged 19 to 45), it is not possible to identify
 parents using Census data.
- Indigenous peoples were relocated by the Canadian government on various occasions. As documented by the Truth and Reconciliation Commission (2015), some
 First Nations communities were relocated from agriculturally valuable or resource-rich land onto remote and economically marginal reserves. Additionally, in 1953,
 the Canadian government undertook a relocation program that transferred Inuit from communities in Arctic Quebec and Baffin Island further north, where living
 conditions were difficult. See the Royal Commission on Aboriginal Peoples (1994).
- 9. Sisco et al. (2012).

The Remoteness Index assigned each 2016 census subdivision into one of five categories (easily accessible; accessible; less accessible; remote; very remote areas) based on their proximity to large urban centres that provide services to smaller communities. ¹⁰ Using this classification, this study examines the degree to which remoteness is associated with educational attainment.

Map 1 shows the relative remoteness of CSDs across Canada. The majority of Canada's landmass is classified as remote or very remote. However, 71% of Canadians aged 19 to 45 live in easily accessible areas, largely concentrated along the southern border. The remaining population lives in areas that are largely undeveloped and relatively inaccessible.

Map 1
Relative remoteness of census subdivisions in Canada, using the manual classification of the remoteness index



Sources: Remoteness Index, Alasia et al. 2017; manual classification, Subedi et al. 2020; Statistics Canada census subdivision boundary file, 2016.

^{10.} Subedi et al. (2020).

In 2016, Inuit were far more likely to live in very remote areas, followed by First Nations, Métis, and non-Indigenous people

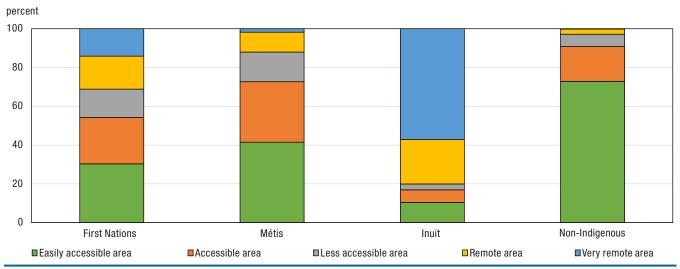
In 2016, one-quarter of Indigenous peoples aged 19 to 45 (26%) lived in relatively remote areas of Canada, compared with just three percent of the non-Indigenous population.¹¹ Among the Indigenous identities, there was variation in the proportion of people living in relatively remote areas.

Inuit were the most likely to live in very remote (57%) and remote areas (23%), which characterizes all communities in Inuit Nunangat. This region is the traditional homeland of Inuit, and encompasses Nunatsiavut (Labrador), Nunavik (northern Quebec), Nunavut and the Inuvialuit Region (Northwest Territories). Over 70% of all Inuit lived within these 4 regions, which makes up 35% of Canada's landmass.¹²

In 2016, one-third (33%) of First Nations people aged 19 to 45 lived on reserves. Most First Nations people living on reserve had Registered or Treaty Indian status (98%). While there are reserves in more accessible areas, 60 percent were in remote or very remote areas, with limited access to larger urban centres, and therefore, fewer services available to the communities. Of note, 75% of census subdivisions that are classified as 'on reserve' had fewer than 500 residents.¹³

First Nations people without Registered or Treaty Indian status, however, were likely to live in easily accessible or accessible areas (79%). Similarly, Métis were more likely to live in easily accessible or accessible areas (73%), indicating that there were more services available to them, compared with First Nations people with Registered or Treaty Indian status and Inuit. Despite this, over 25,000 Métis lived in remote or very remote areas.

Chart 1 Inuit and First Nations people aged 19 to 45 were more likely to live in relatively remote areas, compared with Métis and non-Indigenous people



^{11. &}quot;Relatively remote areas" refers to the sum of remote and very remote areas, according to the RI classification.

^{12.} Inuit Tapiriit Kanatami (2022).

^{13.} To identify First Nations people living on reserve, this study uses a derived census variable that is captured by using the census subdivision (CSD) type according to criteria established by Indigenous and Northern Affairs Canada (INAC). The population living on reserve includes people living in any of the six CSD types legally affiliated with First Nations or Indian bands: Indian reserve (IRI), Indian settlement (S-É), Indian government district (IGD), Terres réservées aux Cris (TC), Terres réservées aux Naskapis (TK) and Nisga'a land (NL).

^{14.} In this study, three quarters of self-identified First Nations people had Registered or Treaty Indian status (78%). Of First Nations people with Registered or Treaty Indian status living on reserve, 64 percent were living in remote or very remote areas.

The remoteness index is highly correlated with measures of accessibility, indicating that the index is a reasonable approximation for the availability of services, including retail business, healthcare, and education facilities.¹⁵

While these essential services are far less prevalent in relatively remote areas, these communities may benefit from a stronger sense of connection to their culture, tradition, languages, and land.¹⁶ In Inuit Nunangat, for instance, nearly two thirds (60%) of Inuit were able to conduct a conversation in Inuktut¹⁷ and many participated in traditional activities such as hunting for seal, narwhal and caribou to feed their communities.¹⁸ This sense of connection to culture has been linked to improved education and health outcomes.¹⁹

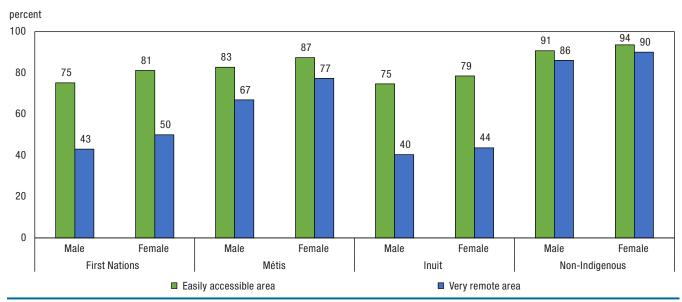
Overall high school completion was higher in relatively accessible areas, particularly for First Nations people and Inuit

Those aged 19 to 45 who lived in easily accessible areas completed high school in much higher proportions than those in very remote areas. In addition, across all identity groups, women were more likely than men to have completed high school.

First Nations people who lived in easily accessible communities were nearly twice as likely to have a high school diploma (or equivalent) as those who lived in very remote areas (32-percentage-point and 31-percentage-point difference for men and women, respectively). For Inuit, the difference was similar (35-percentage-point difference). The difference in high school completion for the Métis population living in easily accessible areas, relative to those living in very remote areas, was less pronounced (16-percentage-point and 10-percentage-point difference for men and women, respectively).

For non-Indigenous people, conversely, there was less than a five-percentage point gap between those who lived in the most remote area, relative to those who lived in the most accessible area.

Chart 2
The proportion of those aged 19 to 45 with a high school diploma (or equivalent) was higher in easily accessible areas, relative to very remote areas



^{15.} Alasia et al. (2017).

^{16.} Bleakney and Melvin (2022).

^{17.} Inuktut is the collective name for two languages: Inuinnaqtun, spoken in Cambridge Bay and Kugluktuk and Inuktitut, spoken in the rest of Nunavut.

^{18.} Inuit Tapiriit Kanatami (2022).

^{19.} Oster et al. (2020).

While holding all other factors constant, First Nations people living in an easily accessible area were more likely to complete high school than those living in a relatively remote area²⁰

In 2016, living in an easily accessible area and being in a higher income household had the strongest association with higher rates of high school completion for First Nations people aged 19 to 45, even while controlling for other factors.

The odds of completing high school were three times higher for those who lived in easily accessible areas (Odds Ratio (OR) 2.8, see Chart A.4 in the Appendix). This association was stronger than the estimate for non-Indigenous people (OR 2.1, see Chart A.7 in the Appendix).

Additionally, there was a significant relationship between living in a higher income household and completing high school across identity groups. For First Nations people, the odds of completing high school for those living in higher income households were nearly three times higher than those who were living in low-income households (OR 2.8). A greater proportion of First Nations people live in low-income households, relative to their non-Indigenous counterparts, which has been linked to poorer educational attainment.²¹

Other factors were associated with high school completion. First Nations people living off reserve were more likely to complete high school than those living on reserve (OR 1.4). However, residing off reserve is less predictive of high school completion than one's remoteness (OR 2.8) and financial stability (OR 2.8). This is also the case for whether a person is without Registered or Treaty Indian status (OR 1.2).

Finally, First Nations people who did not have children were slightly more likely to complete high school (OR 1.2).

Inuit with increased access to services were more likely to complete high school

For Inuit learners, living in a higher income household has the strongest relationship with high school completion (OR 2.8, see Chart A.5 in the Appendix), more so than being a parent (OR 1.2) or living in Inuit Nunangat (OR 1.3).²²

Living in an easily accessible area has the second strongest association with high school completion (OR 2.5). The odds of finishing high school were two and a half times higher for Inuit aged 19 to 45 who live in easily accessible areas compared to very remote areas. Again, this relationship was more pronounced for Inuit than for non-Indigenous people. As most Inuit live within Inuit Nunangat, which is predominantly remote, improved access to education could benefit these communities.

Additionally, internet access is an important factor in the success of students. However, there is a digital divide between Inuit Nunangat and the rest of Canada. According to the 2017 Indigenous Peoples Survey,²³ 68% of Inuit households in Inuit Nunangat had access to internet at home, compared to 91% of Inuit households outside of Inuit Nunangat.²⁴ Although internet access was not directly measured within this fact sheet, it is likely an important factor encompassed in the relationship between remoteness and high school completion.

^{20.} The reported odds ratios stem from three logistic regression models that were run using a distinctions-based approach. High school completion was the dependent outcome, remoteness was the primary variable of interest, and relevant socioeconomic factors were included as control variables. See data sources, methods, and limitations for further information.

^{21.} National Collaborating Centre for Indigenous Health (2017).

^{22.} Recent work has also studied the impact of household crowding on educational attainment, which may be captured through the low-income status variable. While results for Canadian households are forthcoming, in the United States, household crowding has been linked to cumulative inequality over an individual's lifetime. See Lopoo and London (2016).

^{23.} Formerly known as the Aboriginal Peoples Survey.

^{24.} Statistics Canada (2017c).

Métis living in higher income households were more likely to complete high school

Métis had the highest proportion of those who obtain their high school diploma (or equivalent) after non-Indigenous people. For Métis, living in a higher income household was the strongest determinant of high school completion (OR 2.9, see Chart A.6 in the Appendix). The odds of completing high school were three times higher for those who do not live in low income, compared with those who do.

For Métis, living in an easily accessible area was the second strongest determinant of high school completion (OR 2.3). The traditional homeland of the Métis encompasses Alberta, Saskatchewan, and Manitoba. One in five (21%) of Canada's very remote communities were in Manitoba alone. However, in easily accessible areas, 8 of 10 Métis aged 19 to 45 had completed high school.

Finally, Métis who did not have children were slightly more likely to graduate (OR 1.2).

Conclusion

There is a strong relationship between geography and education. Urban communities that have more services (e.g., a high school within their community, even a postsecondary institution), or smaller communities that have access to a larger urban centre – benefit from access to educational services and facilities. This result is linked to lower costs for education, increased emotional support provided by friends and family, or the presence of role models and mentors who have also pursed education.²⁵ These factors have the weakest effect on educational outcomes for non-Indigenous people and varying degrees of strength across Indigenous identity groups.

For First Nations people, the relative accessibility of one's community was the most important factor in completing high school. Simply living in an easily accessible community triples the odds of high school completion for First Nations learners. For Inuit and Métis, living in a higher income household was the most important determinant of high school completion. The odds of completing high school were three times higher for those living in higher incomes households, relative to those living in low-income. These factors are interwoven, as youth who leave home to attend high school may bear a financial and emotional cost.²⁶ Taken together, these results indicate that improving access to education within one's own community is an important factor in decreasing the differences between First Nations, Métis, Inuit, and non-Indigenous educational attainment. This finding is in line with previous work that noted an increase in postsecondary participation after the establishment of new postsecondary institutions in remote areas.²⁷

However, there are other factors relevant to education which could not be explored in this analysis that could help to explain the gap in education between First Nations people, Inuit, Métis, and non-Indigenous people. For example, First Nations people, Métis and Inuit have advocated for an equitable education system, emphasizing access to quality and culturally appropriate education and targeted post-secondary supports within their communities. Future research could consider what supports are available to First Nations, Métis, and Inuit learners, as well as the efficacy of those supports.

Additionally, Indigenous measures of educational success such as ancestral language proficiency, cultural connectedness and their relationship to broader well-being outcomes could also be examined.

Finally, with the upcoming release of the 2021 Census of Population, this analysis can be replicated to assess how First Nations, Métis and Inuit education has evolved over the past 5 years.

^{25.} See Frenette (2002).

^{26.} See Frenette (2002)

^{27.} See Frenette (2002).

Data sources, methods, and limitations

The data used in this fact sheet are from the long-form 2016 Census of Population. The Census is the primary source of sociodemographic data for Indigenous people in Canada.²⁸ This survey reports Indigenous identity, educational attainment, and a host of sociodemographic characteristics that are determinants of educational outcomes.

The Remoteness Index, developed by researchers at Statistics Canada, is also utilized.²⁹ The remoteness index assigns a relative remoteness value to each census subdivision (CSD), based on proximity to census metropolitan areas (CMAs).³⁰ This accounts for differences between small urban centres and metropolitan areas and for proximity to large urban centres that provide services to smaller communities. The remoteness index can be classified into 5 meaningful categories³¹:

- 1. Easily accessible area
- Accessible area
- 3. Less accessible area
- 4. Remote area
- 5. Very remote area

The population of interest is restricted to single identity First Nations people living on and off reserve, Inuit, Métis, and non-Indigenous people aged 19 to 45. This age group was chosen to be inclusive of life-long learners, while limiting the analysis to the contemporary educational context.

Three logistic regression models were constructed for First Nations people, Métis, and Inuit using a distinctions-based approach. In this paper, whether an individual has their high school diploma (or equivalent) is the dependent variable. The first model is run for First Nations people aged 19 to 45, using non-Indigenous people as the reference group. The second and third models are run for Métis and Inuit, respectively, maintaining the same reference category as the first. In each model, all covariates were chosen based on existing literature and had a statistically significant relationship to high school completion at the 99% confidence level.

In 2016, there were 14 incompletely enumerated reserves and settlements. As a result, population and dwelling counts are not available for these reserves and settlements and are not included in 2016 Census tabulations. While the impact of the missing data for higher-level geographic areas is small, the impact can be significant for lower-level geographies such as CSDs, as the incompletely enumerated population will account for a larger proportion of the population.³²

Additionally, this analysis is limited to the observable characteristics included in the 2016 Census of Population, excluding factors that could be relevant for Indigenous people such as gender and a family history of residential school attendance

Finally, the outcome measured in this study is limited to whether an individual has earned their high school diploma (or equivalent). This may not fully encompass educational success for First Nations people, Métis, and Inuit, which may also include measures of ancestral language efficacy and connection to traditional activities.³³

^{28.} Statistics Canada (2017b).

^{29.} Alasia et al. (2017).

^{30.} With populations of more than 1 million.

^{31.} The manual classification of remoteness index is used according to Subedi et al. (2020). This method considers the distribution of RI values, the number of CSDs, and the population distribution in each class and manually identifies natural breaks in the data. The manual classification method assigns RI values to five mutually exclusive categories, based on the natural breaks observed in the distribution of the RI values. Nearly 88% of the CSDs has RI values lower than 0.55, resulting in 4 out of the 5 categories existing in that range. The only category that fell beyond this cut-off point is the "very remote area" category. All the CSDs in the "easily accessible area" and "accessible area" categories were connected by a road or ferry network.

^{32.} Statistics Canada (2017b)

^{33.} Assembly of First Nations (2007)

Appendix

Table A.1 Population distribution over selected characteristics

	First	Nations	IV	létis	I	nuit	Non-In	digenous
	Male	Female	Male	Female	Male	Female	Male	Female
			percent					
Education								
Had high school diploma (or equivalent)	60.6	69.3	78.5	85.1	43.3	50.7	88.4	92.3
Did not have high school diploma (or equivalent)	39.3	30.7	21.5	14.9	56.8	49.3	11.6	7.7
Age								
19-24	28.4	26.1	26.3	24.5	28.4	28.2	22.1	20.7
25-29	20.0	20.1	19.5	19.7	21.8	22.0	18.7	18.4
30-34	17.0	17.9	17.7	18.5	17.6	17.2	18.9	19.2
35-39	15.8	16.5	16.9	17.0	14.9	15.1	18.4	19.1
40-45	18.8	19.5	19.6	20.3	17.4	17.6	22.0	22.7
Registered or Treaty Indian status								
With Registered or Treaty Indian status	77.7	77.6						
Without Registered or Treaty Indian status	22.4	22.4						
Low-income status								
Lived in low income (after tax)	29.9	35.2	12.7	17.6	20.7	22.2	12.2	14.0
Lived outside of low-income	70.1	64.8	87.3	82.4	79.3	77.9	87.8	86.0
Parental status								
Parent	36.6	57.2	33.9	50.7	43.8	62.6	35.9	48.6
Non-parent	63.4	42.8	66.1	49.3	56.3	37.4	64.1	51.4
Residence on/off reserve								
Lived on reserve	34.6	30.9						
Lived off reserve	65.4	69.1						
Residence outside/inside Inuit Nunangat								
Lived outside of Inuit Nunangat					25.4	29.3		
Lived in Inuit Nunangat					74.6	70.7		

^{...} not applicable

Source: Statistics Canada, Census of Population 2016

Table A.2
Average population of each remoteness classification

		Population share (aged 19 to 45)	CSD share
	Remoteness Index Score		percent
Easily accessible area	<0.1500	70.89	15.12
Accessible area	.1500 to 0.2888	18.30	21.46
Less accessible area	0.2889 to 0.3898	6.80	27.51
Remote area	0.3899 to 0.5532	3.26	24.00
Very remote area	>0.5532	0.74	11.90

Source: The data for this table come from the data table from the remoteness index of Canadian census subdivisions (Alasia et al. 2017).

Table A.3
The proportion of those with a high school diploma (or equivalent) increased with the accessibility of their community

	First	Nations	I.	1étis	I	nuit	Non-In	digenous
	Male	Female	Male	Female	Male	Female	Male	Female
				per	cent			
Easily accessible area	75	81	83	87	75	79	91	94
Accessible area	72	77	84	89	87	82	90	93
Less accessible area	69	75	80	87	85	74	88	92
Remote area	60	66	78	85	59	66	86	90
Very remote area	43	50	67	77	40	44	86	90

Table A.4

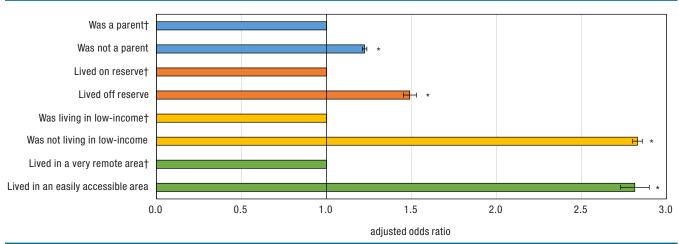
Model 1: Logistic regression results of obtaining high school diploma (or equivalent) for First Nations people

	High schoo	High school diploma (or equivalent			
	Adjusted	95% Confidence Limits			
	Odds Ratio	to	from		
Remoteness					
Easily accessible area	2.8*	2.7	2.9		
Accessible area	2.2*	2.1	2.2		
Less accessible area	1.8*	1.7	1.8		
Remote area	1.4*	1.4	1.5		
Very remote area†	1.0				
Residence on reserve					
Lived on reserve†	1.0				
Lived off reserve	1.4*	1.4	1.5		
Indigenous identity					
Non-Indigenous†	1.0				
First Nations	0.4*	0.4	0.4		
Registered or Treaty Indian status					
With registered or Treaty Indian status†	1.0				
Without registered or Treaty Indian status	1.2*	1.2	1.3		
Sex at birth					
Male†	1.0				
Female	1.6*	1.6	1.6		
Age	1.0*	1.0	1.0		
Low-income status					
Lived in low income (after tax)†	1.0				
Lived outside of low-income	2.8*	2.8	2.9		
Parental status					
Parent†	1.0				
Non-parent	1.2*	1.2	1.2		
Adjusted R-squared			0.1		
ask continuing					

^{...} not applicable

Chart A.1

Model 1 results: accessibility and not living in low-income were the strongest determinants of high school completion for First Nations people



^{*} significantly different from reference category (p < 0.05)

Note: Chart A.1 reflects odds ratio point estimates and associated 95% confidence intervals for each variable included in the regression model. The thick black line at 1 represents an even probability that the event will occur between the reference category and the category.

 $^{^{\}star}$ significantly different from reference category (p < 0.05)

[†] reference category

[†] reference category

Table A.5

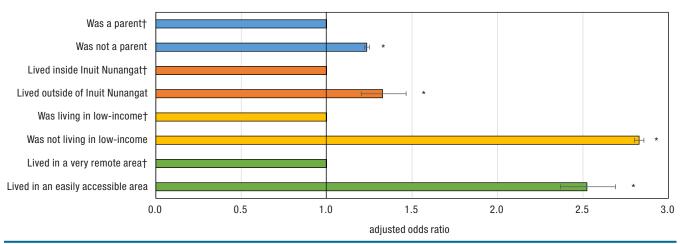
Model 2: Logistic regression results of obtaining high school diploma (or equivalent) for Inuit

	High school	High school diploma (or equivalent)			
	Adjusted	95% Confidence Limits			
	Odds Ratio	to	from		
Remoteness					
Easily accessible area	2.5*	2.4	2.7		
Accessible area	2.0*	1.8	2.1		
Less accessible area	1.6*	1.5	1.7		
Remote area	1.3*	1.2	1.3		
Very remote area†	1.0				
Residence in Inuit Nunangat					
Lived inside Inuit Nunangat†	1.0				
Lived outside Inuit Nunangat	1.3*	1.2	1.5		
Indigenous identity					
Non-Indigenous†	1.0				
Inuit	0.3*	0.2	0.3		
Sex at birth					
Male†	1.0				
Female	1.6*	1.6	1.6		
Age	1.0*	1.0	1.0		
Low-income status					
Lived in low income (after tax)†	1.0				
Lived outside of low-income	2.8*	2.8	2.9		
Parental status					
Parent†	1.0				
Non-parent	1.2*	1.2	1.3		
Adjusted R-squared			0.1		

^{...} not applicable

Chart A.2

Model 2 results: accessibility and not living in low-income were the strongest determinants of high school completion for Inuit



 $^{^{\}star}$ significantly different from reference category (p <0.05)

Note: Chart A.2 reflects odds ratio point estimates and associated 95% confidence intervals for each variable included in the regression model. The thick black line at 1 represents an even probability that the event will occur between the reference category and the category.

 $^{^{\}star}$ significantly different from reference category (p < 0.05)

[†] reference category

[†] reference category

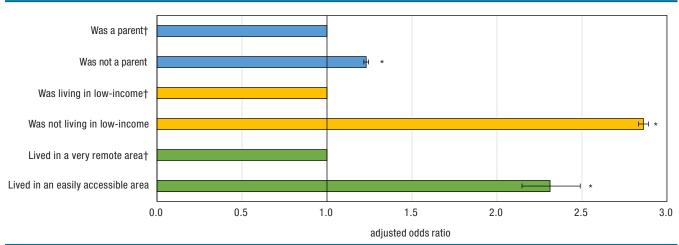
Table A.6
Model 3: Logistic regression results of obtaining high school diploma (or equivalent) for Métis

	High school	High school diploma (or equivalent)			
	Adjusted	95% Confidence Limits			
	Odds Ratio	to	from		
Remoteness					
Easily accessible area	2.3*	2.1	2.5		
Accessible area	1.8*	1.7	2.0		
Less accessible area	1.5*	1.4	1.6		
Remote area	1.2*	1.1	1.3		
Very remote area†	1.0				
Indigenous identity					
Non-Indigenous†	1.0				
Métis	0.5*	0.5	0.5		
Sex at birth					
Male†	1.0				
Female	1.6*	1.6	1.6		
Age	1.0*	1.0	1.0		
Low-income status					
Lived in low income (after tax)†	1.0				
Lived outside of low-income	2.9*	2.8	2.9		
Parental status					
Parent†	1.0				
Non-parent	1.2*	1.2	1.2		
Adjusted R-squared			0.1		

^{...} not applicable

Chart A.3

Model 3 results: accessibility and not living in low-income were the strongest determinants of high school completion for Métis



 $^{^{\}star}$ significantly different from reference category (p <0.05)

Note: Chart A.3 reflects odds ratio point estimates and associated 95% confidence intervals for each variable included in the regression model. The thick black line at 1 represents an even probability that the event will occur between the reference category and the category.

 $^{^{\}star}$ significantly different from reference category (p < 0.05)

[†] reference category

[†] reference category

Table A.7

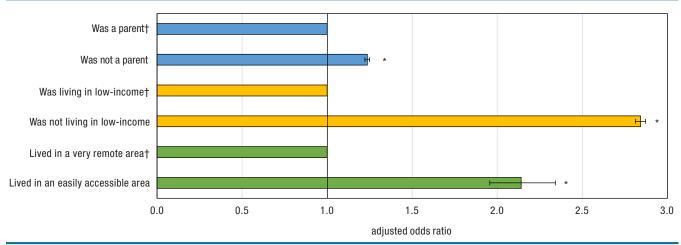
Model 4: Logistic regression results of obtaining high school diploma (or equivalent) for non-Indigenous people only

	High school	High school diploma (or equivalent)			
	Adjusted	95% Confidence Limits			
	Odds Ratio	to	from		
Remoteness					
Easily accessible area	2.1*	2.0	2.3		
Accessible area	1.7*	1.5	1.8		
Less accessible area	1.3*	1.2	1.5		
Remote area	1.1*	1.0	1.2		
Very remote area†	1.0				
Sex at birth					
Male†	1.0				
Female	1.6*	1.6	1.6		
Age	1.0*	1.0	1.0		
Low-income status					
Lived in low income (after tax)†	1.0				
Lived outside of low-income	2.8*	2.8	2.9		
Parental status					
Parent†	1.0				
Non-parent	1.2*	1.2	1.3		
Adjusted R-squared			0.0		

^{...} not applicable

Chart A.4

Model 4 results: not living in low-income was the strongest determinant of high school completion for non-Indigenous people (only)



 $^{^{\}star}$ significantly different from reference category (p < 0.05)

Note: Chart A.4 reflects odds ratio point estimates and associated 95% confidence intervals for each variable included in the regression model. The thick black line at 1 represents an even probability that the event will occur between the reference category and the category.

 $^{^{\}star}$ significantly different from reference category (p < 0.05)

[†] reference category

[†] reference category

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