

All Roads Lead Home: Immigration Flows into Greater Sudbury and What this Means for RNIP Impacts

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By: Mercedes Labelle



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Land Acknowledgement

NPI would like to acknowledge the First Peoples on whose traditional territories we live and work. NPI is grateful for the opportunity to have our offices located on these lands and thank all the generations of people who have taken care of this land.

Our main offices:

- Thunder Bay is on Robinson-Superior Treaty territory and the land is the traditional territory of the Anishnaabeg and Fort William First Nation.
- Sudbury is on the Robinson-Huron Treaty territory and the land is the traditional territory of the Atikameksheng Anishnaabeg as well as Wahnapiet First Nation.
- Kirkland Lake is on the Robinson-Huron Treaty territory and the land is the traditional territory of Cree, Ojibway, and Algonquin Peoples.
- All are home to many diverse First Nations, Inuit and Métis peoples.

We recognize and appreciate the historic connection that Indigenous people have to these territories. We recognize the contributions that they have made in shaping and strengthening these communities, the province and the country as a whole.

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Author's calculations are based on data available at the time of publication and are therefore subject to change.

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About the Author



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Mercedes Labelle graduated from McGill University in 2020 with an Honours Bachelor of Political Science and Urban Systems. During her studies, she focused on Canadian politics and public policy processes, specifically researching the uneven distribution of benefits and services between urban and rural communities. At McGill, Mercedes provided analysis on Canadian Politics for the McGill Journal of Political Studies (MJPS). Through her involvement with MJPS, Mercedes developed a deeper understanding of the diverse interests and needs of the Canadian population. Having grown up in Canada, the United States, and Spain, Mercedes is eager to return to Northern Ontario, where her family now resides. In her free time, Mercedes enjoys listening to podcasts, cooking, and reading.



Several data sources were utilized in this report such as the Community Data Program. NPI is the data consortium lead for Northern Ontario under the name "Northern Ontario Data Consortium".



NPI is pleased to have the support of FedNor for this important work to assess the impact of the Rural and Northern Immigration Pilot in Northern Ontario.

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Executive Summary

Ontario's northern, western, and central regions are facing labour shortages, as a result of an aging population, high levels of youth out-migration, and low fertility rates. Greater Sudbury, Ontario is no stranger to this issue, as it has experienced high average job vacancy rates of up to five per cent in some occupations. To combat the labour market impacts, the Rural and Northern Immigration Pilot (RNIP) program has been implemented across all five of Northern Ontario's largest cities. The RNIP aims to spread the benefits of economic immigration to small communities with demonstrated need, by creating a path to permanent residence for skilled foreign workers who want to work and live in one of the participating communities.

To assess the effectiveness of the RNIP program in Greater Sudbury, baseline immigration trends are needed to accurately identify which occupations are in need of economic stimulation, and which labour market skills are most beneficial to immigrant success in the community. If admission criteria is not aligned with community-based need, then labour market shortages will only continue to be exacerbated. Which is why evidence-based decision making is crucial to adequately plan for labour supply, demand for housing, and settlement service capacity.

Greater Sudbury has experienced a growth in immigration since 2001, with an approximate increase of 57 per cent. Most immigrants have been accepted under the economic class, with the most frequently intended National Occupation Codes (NOC) being mining engineers, university professors and lecturers, and cooks. Although these are the occupations immigrants were most frequently qualified for, the occupation vacancy rates suggest that there is the greatest need for corporate sales managers, managers in customer and personal services, managers in public protection services, and administrative service managers, to name a few. Greater Sudbury has also has targeted NOCs which they hope to attract, however, none of the NOCs are consistent with occupation vacancy.

This analysis finds that five recommendations are to be considered for the effective measurement of RNIP success.

1. Ongoing annual monitoring and assessment of community-level immigration trends;
2. Community-specific ongoing assessment of the impact of the Rural and Northern Immigration Pilot (RNIP) before, during, and after the program;
3. Expanded analysis to include secondary and domestic migrants;
4. Strengthening the alignment between labour market shortages, targeted occupations, postsecondary institutional fields of study, and immigrant-intended occupations to maximize economic outcomes;
5. Undertaking welcoming community initiatives to welcome, attract, and retain immigrants and the existing population.



Introduction

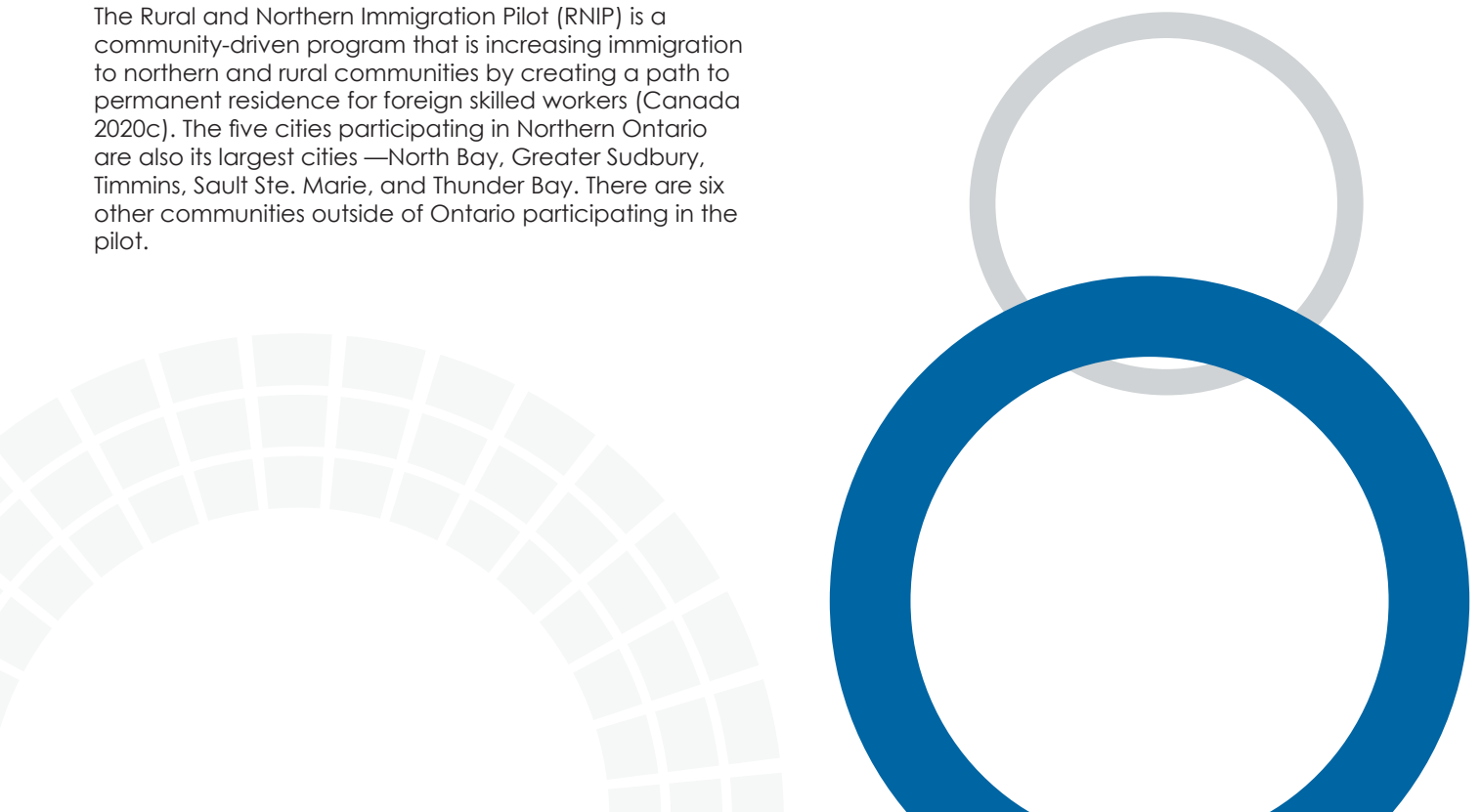
Population trends in many of Ontario's northern, western, and central regions are characterized by high levels of youth out-migration and low fertility rates. Add to that the fact that a significant portion of the population is about to age out of the core working-age and labour shortages will emerge. There will not be an adequate supply of young workers to fill these gaps.

Without an adequate influx of immigrants, coupled with integration of the current domestic population into the labour market, shortages will continue to emerge (Ross 2020, 9). To combat this, there must be a baseline understanding of current and future immigration demographic characteristics to engage in evidence-based decision-making that will positively impact Northern Ontario communities. Using the available data, actors—such as workforce planning boards, chambers, municipalities, employers, and immigration partners—can strategically plan for, and fill, labour shortages that will emerge.

The purpose of these reports is to establish a baseline assessment of immigration trends in each of the five largest cities in Ontario's northern, western, and central regions—North Bay, Greater Sudbury, Timmins, Sault Ste. Marie, and Thunder Bay. These assessments can be used to evaluate immigration pilot programs, such as the Rural and Northern Immigration Pilot, and potential future newcomer programs.

The Rural and Northern Immigration Pilot (RNIP) is a community-driven program that is increasing immigration to northern and rural communities by creating a path to permanent residence for foreign skilled workers (Canada 2020c). The five cities participating in Northern Ontario are also its largest cities—North Bay, Greater Sudbury, Timmins, Sault Ste. Marie, and Thunder Bay. There are six other communities outside of Ontario participating in the pilot.

In addition to evaluating current federal initiatives, the data can be used to evaluate, more generally, how communities in Northern Ontario are doing at attracting and retaining immigrants. It is crucial to identify the immigration information that is being collected, the gaps, and who is collecting that data. Additionally, it is important for the data to be collected and reported at the community level. With a more complete picture of immigration trends in Northern Ontario, different communities can be compared against each other to assess the effectiveness of immigration, attraction, retention, and successes. Also, communities can self-assess by monitoring their progress, successes, and areas for improvement. Having this baseline immigration assessment will help communities continuously know which immigrants to target and attract to their communities.



Methodology

Ideally, an immigration trend analysis would be done annually, with a quick turnaround time so communities can measure the impact of their decisions soon after they are made. Additionally, having baseline data provides a benchmark for assessing progress, or lack thereof, when compared with future reports. But there are limitations in attempting to annually update immigration trends at the community level.

The data sources used for this analysis include Immigration, Refugees and Citizenship Canada's (IRCC) admission data; the 2016 census (and subsequent target group profiles obtained from the Community Data Program); Taxfiler Migration Estimates; Emsi Economic Modeling; and the Longitudinal Immigration Database (IMDB). Notably, the data obtained from the census can only be updated once every five years (as per the frequency of release) and at the time of publishing, details of citizenship and immigration have not been released. The IMDB has an approximate two-year lag for data released and Taxfiler data have a one-year lag. IRCC does have monthly updates to its admission data, but the process for obtaining the data at the community level takes up to six months, and high levels of data suppression are present when requesting data at the community level. Finally, Emsi has economic modelling data updated monthly.

It is important to look at immigration trends in each community over time to see how they evolve, especially when evaluating the impact of a pilot program. But doing so with community-level data, specifically IRCC admission data, reveals that many years have few observations to report, meaning the data are suppressed for privacy reasons (see Appendix A).

Additionally, certain datasets group all immigrants that arrived before 1981 together while others group them together based on those who arrived before 1990. This creates a large group of immigrants that overshadows more recent inflows, which is specifically present when looking at census data. Thus, recent data from post-2000 can provide a more accurate picture of immigration trends and their evolution over time.

For non-permanent residents, change over time is difficult to analyze since the data are largely organized by year of immigration and, technically speaking, non-permanent residents are not 'official' (i.e., landed) immigrants, according to Statistics Canada datasets (notably the census). Non-permanent residents refers to people from another country who had a work or study permit, or who were refugee claimants at the time of the census, and had family members living in Canada with them.

Despite limitations surrounding the frequency of data updates, high levels of suppression, and obtaining this data at the community level, a thorough overview of immigration trends in Ontario's northern, western, and central regions was produced.

Finally, it is important to note the impact COVID-19 has had on Canadian immigration flows, labour market, industries, and so on. This analysis is primarily focused on data prior to the pandemic as that is what was available at the time of writing. Plus, as mentioned earlier, to assess the impact of the RNIP pilot, we need to know the picture of immigration before/at the start of the program in Northern Ontario.



Theme and indicator selection

Many indicators selected were identified based on alignment with pre-existing government immigration programs. For example, the Federal Skilled Worker (Express Entry) Program provides permanent residence to foreign skilled workers. There are minimum education, language, and work experience requirements. Then, applications are further assessed based on age, education, work experience, job offers, official language skills, and adaptability (Canada 2020a).

The Ontario Immigrant Nominee Program looks at an applicant's skills, experience, and education. Specifically, in-demand skills, language skills, and status as a recent Ontario graduate (Ontario 2019). Finally, the RNIP Program also creates a path to permanent residency for foreign skilled workers with work and educational experience in specific occupations (Canada 2020c).

As mentioned previously, limitations were present surrounding data availability. Ultimately, seven themes were identified: immigrant characteristics, economic outcomes, housing, education, immigration system, income, and retention.¹

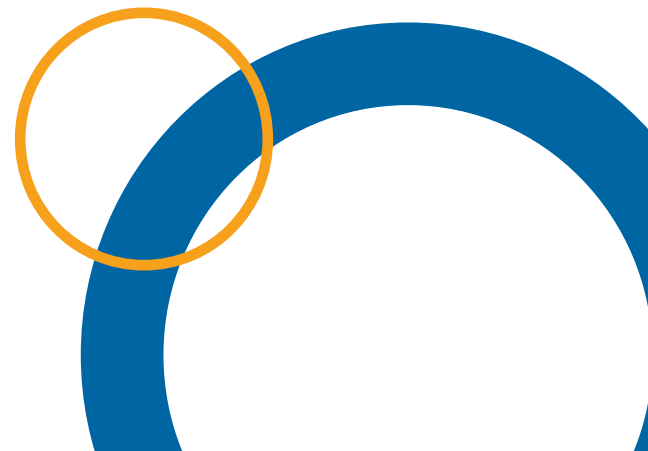
Limitations

Economic outcomes, such as income and involvement in the labour market, typically differ depending on the immigration stream the immigrant followed. Among all newcomers, principal applicants in the Economic stream fare best in the Canadian labour market in terms of labour force participation rates and employment rates. In fact, they perform better in these metrics than the Canadian-born population (de Chardon 2019, 6). Additionally, unemployment rates among principal applicants in the Economic stream are on par with Canadian-born citizens. Resettled Refugees and Protected Persons and Sponsored Family stream immigrants usually fare worse.

Although these distinctions are important to note, it was not possible to obtain community-level data separated by stream of immigration and period of admission for all indicators (see Appendix C). When possible, the immigration streams were divided; when not, total immigration numbers were assessed. Addressing these gaps is crucial in getting more specific data to ensure immigrants are not treated as a homogenous group. When evaluating a work experience-based program that will potentially directly impact Economic migrants, it would be useful to have stream-specific data to better assess program impacts.

Analysis of immigration trends must continue through the years, especially when assessing a pilot program. A detailed methodology is needed to ensure that the trend analysis can be replicated in the future. Immigration trends should continue to be tracked throughout Ontario's northern, western, and central regions before, during, and after the end of the RNIP and other immigration initiatives.

¹ Retention data were only available for the Census Metropolitan Areas (CMAs) of Greater Sudbury and Thunder Bay.

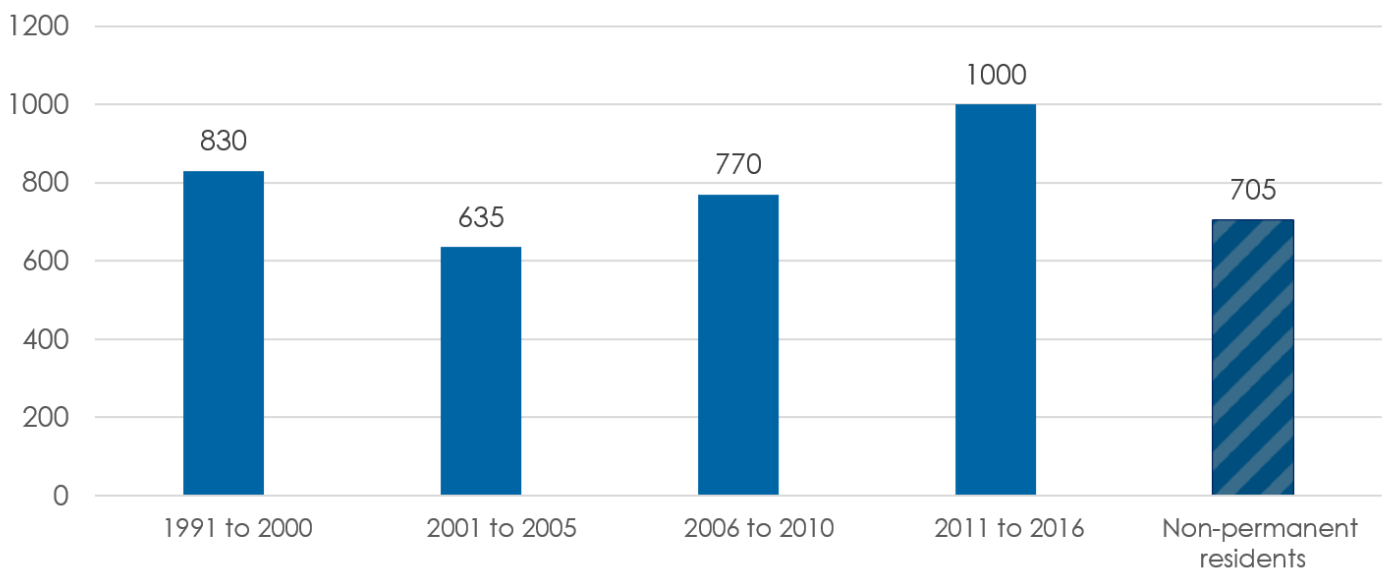


Immigrant Characteristics

The 2016 census counted 9,295 immigrants in Greater Sudbury. Immigrant, as defined by Statistics Canada, refers to a person who is, or who has ever been, a landed immigrant or permanent resident (Statistics Canada, 2021a). Thus, these figures do not include temporary residents, such as study and/or work permit holders. Most immigrants in Greater Sudbury immigrated before 1991 (6,055 immigrants) —the earliest time frame with available data. Since then, the time frame with the most immigration to the city is between 2011 and 2016, with immigration levels increasing since 2001.

Additionally, most immigrants are Economic immigrants (2,060), followed by Sponsored Family (1,465), Refugees and Protected Persons (465) and 'All Other Immigration' (50). Most immigrants to Greater Sudbury since 2001 have a university degree or diploma. Temporary residents are included in the 'non-permanent resident category,' of which there were 705 in Greater Sudbury in 2016. Longitudinal data are not available from Statistics Canada on non-permanent resident cohorts. They have no official 'period of landing' as they are not landed immigrants.

Figure 1: Immigrants by period of immigration in Greater Sudbury CMA, 2016



Source: Author's calculations, Statistics Canada, 2016 Census of the Population, Catalogue no. 98-316-X2016001.

To capture the effect of non-permanent (temporary) residents in Greater Sudbury, Taxfiler Migration Estimates can be used. Taxfiler data use tax records to estimate migration patterns. Taxfiler Migration Estimates of international in-migrants include those who file taxes and had a previous address (the year before) in a location outside Canada (Canada, 2021a).

Based on the Taxfiler definition of international in-migrants, Greater Sudbury has seen a steady increase between 2014 to 2019². In the 2014-15 tax year, there were 201 international in-migrants. That number has rapidly increased year-over-year to 864 in the 2018-19 tax year. Additionally, the ratio of female-to-male international in-migrants is relatively balanced, with 51.6 per cent being male in 2018-19.

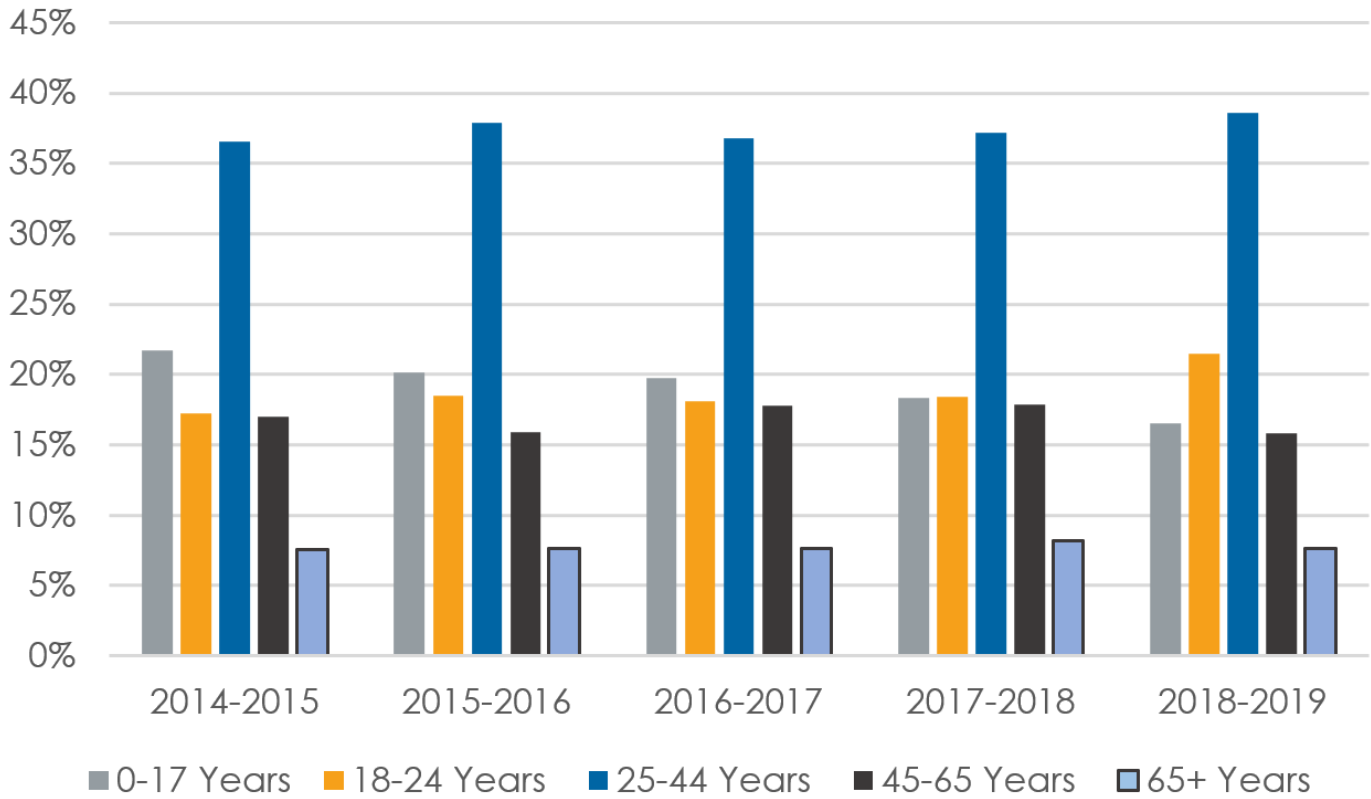
Most permanent residents in Greater Sudbury that landed between 1998 and 2019 have citizenship from India. Other common countries of citizenship for landed immigrants include China, the United States, the Philippines, and the United Kingdom. Between 2012 and 2015, there was a large increase of permanent residents with Philippine citizenship. In 2014 and 2019, Greater Sudbury saw its highest numbers of permanent residents with Indian citizenship —50 and 70, respectively. The number of United States citizens has remained constant.

The largest age group at landing in Greater Sudbury is consistently 25 to 44.³ The second largest group is 0 to 17, perhaps indicating the presence of family immigration. The smallest age group at landing is consistently those over 65.

² The last five years data are available – 2014 to 2019.

³ Age groupings done by IRCC are not uniform in age range. Age ranges are 0-17, 18-24, 25-44, 45-65, and 65+. Thus, 18-24 are underrepresented because of category groupings. The two groupings that have the largest age range are 25-44 and 45-65, which might overrepresent these categories in the data.

Figure 2: In-migrant age at landing by year in Greater Sudbury CMA, 2014-2019



Source: Author's calculations, MIG: Migration Estimates from Taxfiler (T1FF), Table B: By Age Group, 2014-2019.

Language

The most prevalent language spoken⁴ among permanent residents in Greater Sudbury is English, perhaps due to the points allotted to English-speakers in the federal Express Entry immigration program. Additionally, English is the primary language spoken in the United States—the most common country of citizenship for permanent residents. In fact, English is the most common language spoken by permanent residents in Northern Ontario's 11 districts and five major cities. Other common languages include Chinese, Arabic, Spanish, and Tagalog.⁵

Tagalog-speaking permanent residents started increasing in 2011, with 10, and peaked in 2014, with 30. Notably, 55 Vietnamese speakers gained permanent residence in Greater Sudbury in 2014; for all other years, the number of Vietnamese speakers ranged from zero to less than five.

Service Usage

The settlement service most used by immigrants in Greater Sudbury is information and orientation, followed by language training. There is very low usage of services like employment-related services and community connections.

⁴ Language spoken indicates the mother tongue of individuals. The mother tongue is the native language of an individual upon entering Canada.

⁵ Tagalog is the basis of Filipino and is spoken in the Philippines.

Stream

Between 2014 and 2019⁶, the number of permanent residents to Greater Sudbury has increased, starting at 185 in 2015, and peaking at 265 in 2019. Between 2014 and 2019, the most common immigration stream in Greater Sudbury was Economic, with 500 people gaining permanent residence through that stream. The second most common stream in the past five years was Sponsored Family, with 420 people gaining residence through that stream.

Similar to trends seen in the past five years, the most common immigration stream between 1998 and 2019 for permanent residents in the Greater Sudbury District was Economic, followed by Sponsored Family, Resettled Refugees and Protected Persons, and 'All Other Immigration.' Economic immigrants predominantly know English; very few know only French. There are more immigrants who know neither official language than those who know both. Sponsored Family immigrants are predominantly English speakers, with a portion who do not know either official language.

In 2014, the number of Economic immigrants coming to Greater Sudbury peaked at 205. The number of Sponsored Family immigrants has mostly increased year-over-year since 1998, with 100 Sponsored Family immigrants settling in the city in both 2018 and 2019—the highest number to date. The number of Resettled Refugees and Protected Persons peaked in 2016 at 40.

Prior to 2010, Economic applicants immigrating to Greater Sudbury were equally distributed between the principal applicant and spouse or dependents subcategories. Since 2010, principal applicants has been the predominant subcategory.

⁶ The most recent years with full data available at time of writing.



Analysis

Characteristics such as age, education, and language spoken all are weighted heavily in Express Entry program streams. For example, higher levels of education, such as university degrees, are given more points in the program. Additionally, certain age groups, such as 18-24, are allotted more points, while other age groups (0-17) receive no points.

Despite French also being an official language, and points being given in the Express Entry program to French-speaking applicants, French is not one of the common languages spoken among permanent residents in any of Northern Ontario's 11 districts or five largest cities. Perhaps French-speaking immigrants are not common within most Northern Ontario regions due to the benefits they receive if they locate in Quebec, such as prioritized credential recognition between France and Quebec (Quebec 2019). However, French-speaking immigrants are a demographic to watch with the rollout of the Welcoming Francophone Communities initiative in Greater Sudbury. Additionally, the immigration target set by Immigration, Refugees and Citizenship Canada for French-speaking migrants to Canada (outside Quebec) is 4.4 per cent.



Economic Outcomes

Intended NOCs

Measuring immigrants' intended occupations can help align labour supply with labour demand. To put it another way, strategically targeting immigrants with skills needed in the community, such as a specific labour shortage, can promote the vitality of the local labour force. National Occupation Classifications (NOCs) provide an organizational framework of occupations in the Canadian labour market. Occupations are identified and grouped primarily based on the work usually performed, in other words by the tasks, duties, and responsibilities of the occupation (Statistics Canada 2016).

In no particular order, the most frequent immigrant-intended NOCs in Greater Sudbury between 1998 and 2019 are:

- Mining engineers
- University professors and lecturers
- Cooks

It is worth noting that 'Other Intended Occupation' was the most selected NOC answer for every district in Ontario's northern and western regions. Thus, it is excluded from this analysis as to only include specific occupations.

Cooks are the only occupation that aligns with current trends in terms of both immigrant-intended NOCs and NOCs targeted by Greater Sudbury in the first year of the RNIP Program. But the other two most common immigrant-intended NOCs do not align with the RNIP occupations. As the program progresses and more recent data are available, an increase in alignment between immigrant-intended NOCs and RNIP occupations might be observed.

Occupation vacancy rates

Occupation-specific vacancy rates represents vacancies as a proportion of the total labour force for that occupation. Thus, vacancy rates can identify potential current labour market gaps.

The methodology for calculating vacancy rate mirrors that of Northern Policy Institute's "Assessing Labour Market Shortages" series of reports on North Bay, Greater Sudbury, Timmins, Sault Ste. Marie, and Thunder Bay (Ross, 2020). That series reflects trends from 2018, but this paper has updated the calculations to reflect 2020 trends—the most recent full year with data available. A high job vacancy rate typically indicates a stronger labour market for job seekers, as it demonstrates that a higher proportion of the total labour market consists of vacant jobs needing to be filled (Lindzon, 2019).

The data used to calculate job vacancy rates⁷ were obtained from Emsi Economic Modeling, which were provided through a partnership with the Ontario Ministry of Agriculture, Food and Rural Affairs.

According to Table 1, multiple management-related occupations appear to have the highest job vacancy rates (NOC Skill Level 0). Additionally, there are two Skill Level C occupations facing high vacancy rates:

- Other installers, repairers and services
- Other workers in fishing and trapping and hunting occupations

There is also one Skill Level A occupation with a high vacancy rate, which is Pharmacists, dietitians and nutritionists. It should be noted that Greater Sudbury has significantly lower job vacancy levels than the other four cities analyzed in Northern Ontario.

⁷ The methodology Northern Policy Institute uses to calculate vacancy rate is explained in the "Assessing Labour Market Shortages" paper series by Alex Ross (2020).

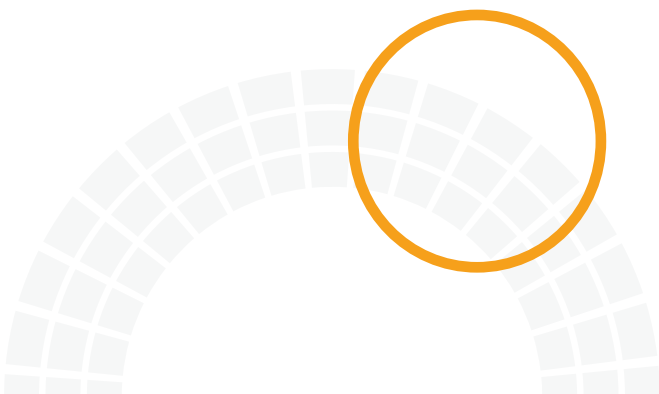


Table 1: Occupations with the highest average job vacancy rates, Greater Sudbury CMA, 2020

NOC	Description	Total Labour Market 2020	Job Vacancy Rate
060	Corporate sales managers	67	5.5%
065	Managers in customer and personal services, n.e.c. ⁸	52	4.8%
043	Managers in public protection services	29	3.8%
011	Administrative services managers	357	3.5%
073	Managers in transportation	108	2.6%
744	Other installers, repairers and servicers	316	2.1%
082	Managers in agriculture, horticulture and aquaculture	94	1.6%
844	Other workers in fishing and trapping and hunting occupations	18	1.4%
051	Managers in art, culture, recreation and sport	81	1.2%
313	Pharmacists, dietitians and nutritionists	258	1.2%

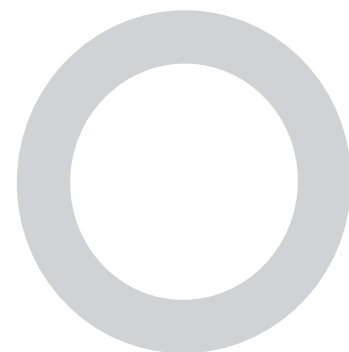
Source: Author's calculations based on Emsi – economicmodeling.com.

As mentioned, the RNIP Program requires communities to target specific occupations that could be seen as in demand that immigrants could fill. These occupations are identified at the community-level, largely through consultations with community employers. In the first year of the RNIP Program, Greater Sudbury is targeting the following four-digit NOCs:

- 3413: Nurse aides, orderlies, and patient service associates
- 4412: Home support workers, housekeepers and related occupations
- 6322: Cooks
- 6711: Food counter attendants, kitchen helpers and related occupations
- 7511: Transport truck drivers

The overlap between jobs with high vacancy rates and NOCs targeted by the City of Greater Sudbury does not align with any occupations. Most of the above occupations are at the management level, which is NOC Skill Level 0. Greater Sudbury did not target any management-level occupations for Year 1 of their RNIP Program. Vacancy rate, at first glance, might not seem to be indicative of immigrants' economic outcomes. But when looked at in conjunction with intended and targeted occupations, vacancy rate can indicate whether there is alignment between the occupations experiencing high vacancy rates and employment, unemployment, and participation rates among immigrants.

⁸ N.e.c. refers to 'not elsewhere classified.'



Labour Market Impact Assessments (LMIAs)

When looking at the presence of work permit holders in a specific region, it is important to analyze the jobs they are filling. Labour Market Impact Assessments (LMIAs) are submitted by employers to gain approval, in most cases, to hire foreign workers. A positive LMIA will show that there is a labour shortage that cannot be filled by a Canadian worker or permanent resident, indicating a need for a foreign worker to fill the job (Canada, 2021d). It is worth noting that some foreign workers are exempt from needing an LMIA or work permit, such as those in the International Mobility Program.

LMIAs are only approved in regions without high unemployment rates, specifically for lowest skill and lowest wage occupations in accommodation, food services, and retail trade sectors.

The reason for reviewing positive and negative LMIAs is to measure, quantitatively, which occupations are experiencing labour shortages. Specifically, for the RNIP Program, communities select the occupations they will be 'targeting' each year. LMIA information should be considered when identifying labour shortages in each community.

Negative LMIAs are not inherently indicative of the position's ability to be filled by Canadians or permanent residents. It can also indicate that the employer requesting the work permit has provided false, misleading, or inaccurate information in the past two years (Canada, 2021b).

In 2020, there were 11 occupations **approved** for LMIAs in Greater Sudbury, with a total of 19 unique positive LMIAs issued:

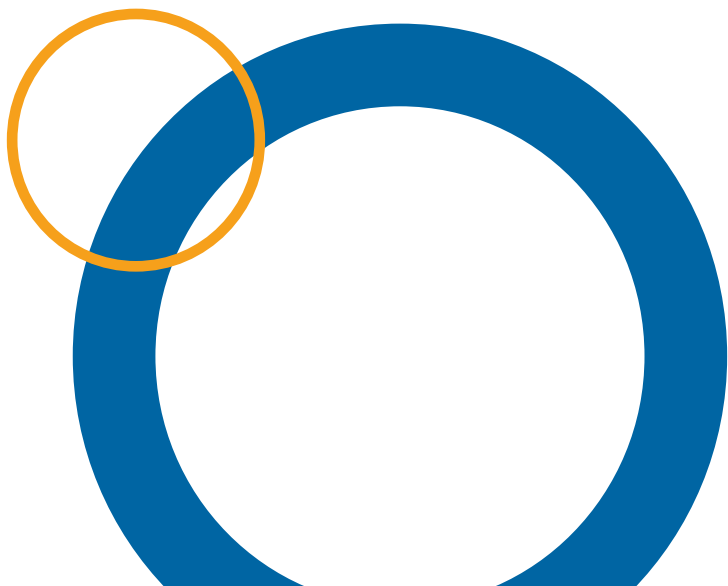
- 6322 – Cooks (4)
- 7521 – Heavy equipment operators (excluding crane) (4)
- 6332 – Bakers (2)
- 7535 – Other automotive mechanical installers and servicers (2)
- 0631 – Restaurant and food service managers (1)
- 1523 – Production logistics co-ordinators (1)
- 2113 – Geoscientists and oceanographers (1)
- 5241 – Graphic designers and illustrators (1)
- 6211 – Retail sales supervisors (1)
- 7237 – Welders and related machine operators (1)
- 7321 – Automotive service technicians, truck and bus mechanics and mechanical repairers (1)

As mentioned, an approved LMIA indicates that there is no Canadian talent available to fill the above positions in Greater Sudbury. As such, approved LMIA positions are a good indicator for decision-makers of labour market gaps and occupations that could be targeted through the Rural and Northern Immigration Pilot, postsecondary institutions, or through additional training and upskilling.

Greater Sudbury had two **denied** LMIA applications in 2020 for the following occupations:

- 1523 – Production logistics co-ordinators
- 7305 – Supervisors, motor transport and other ground transit operators

Denied LMIA applications do not necessarily indicate the availability of Canadians to carry out the duties of the occupation. Instead, there are multiple reasons, including a company's past experiences with the LMIA process, that contribute to whether an application is denied (Canada, 2021b).



Between 2017 and 2020, there were a total of 60 LMIA⁹ approved in Greater Sudbury. The occupations with the most approved positions are as follows:

Table 2: Occupations with the most approved LMIA's in Greater Sudbury, 2017-2020

NOC	Occupation	Skill Level	Approved Positions	Included in RNIP Y1 NOCs?
6322	Cooks	B	20	Yes
5241	Graphic designers and illustrators	B	8	No
3111	Specialist physicians	A	4	No
7521	Heavy equipment operators (except crane)	C	4	No
7535	Other automotive mechanical installers and servicers	C	2	No
0016	Senior managers - construction, transportation, production and utilities	0	2	No
0631	Restaurant and food service managers	0	2	No
6211	Retail sales supervisors	B	2	No
6332	Bakers	B	2	No

Source: Open Data - Government of Canada, Temporary Foreign Worker Program (TFWP): Positive Labour Market Impact Assessment (LMIA) Employers List, multiple issues.

It should be noted that there were no positive LMIA's issued in 2020 that align with the occupations in Greater Sudbury with the highest vacancy rates (Table 1). Additionally, the occupations in Greater Sudbury with the most approved LMIA's between 2017 and 2020 do not align with the occupations that have the highest vacancy rates. But there was one overlap between approved LMIA's and RNIP Year 1 targeted NOCs: 6322 – Cooks. Again, it is important to note that Greater Sudbury does have significantly lower vacancy rates than other cities of comparable size in Northern Ontario. With further alignment of in-demand occupations and the RNIP Program, employers can better attract and retain (as permanent residents) immigrant employees to fill these gaps.

⁹ Not all occupations are included in this table.



Employment/ unemployment/participation

Immigrants in Greater Sudbury who immigrated between the years of 1991 and 2016 experience, on average, higher employment rates than non-immigrants and non-permanent residents. Employment rates for immigrants who landed before 1990 are perhaps lower due to the age of these immigrants—many may be aging out of the labour market. More recent immigrants (2011 to 2016) in Greater Sudbury have comparable employment rates to more established immigrants. For other cities in Ontario's northern, western, and central regions—notably North Bay, Timmins, and Kenora—recent immigrants tend to have lower employment rates than more established immigrants.

Both employment and unemployment rates are higher for most immigrant cohorts compared to non-immigrants.

Non-permanent residents, also known as temporary residents, may be in Canada with permits that have more work restrictions. For example, study permit holders who are enrolled full-time are able to work on- and off-campus without a work permit for up to 20 hours a week during school terms, which could make finding a job more difficult. Additionally, work permit holders can have either an open or closed work permit. Closed work permit holders are only able to work with the employer specified on their work permit, while open work permit holders can work for any eligible Canadian employer. These factors could contribute to the higher rate of unemployment among non-permanent residents (Canada 2020d).

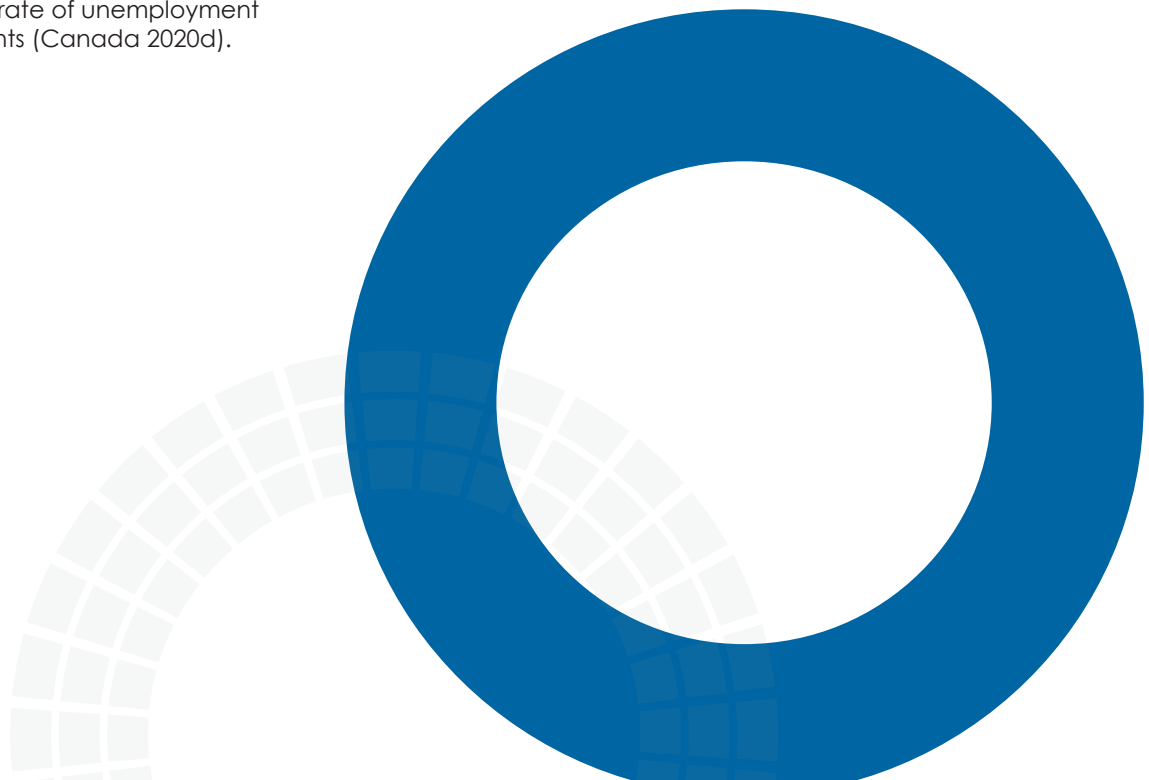
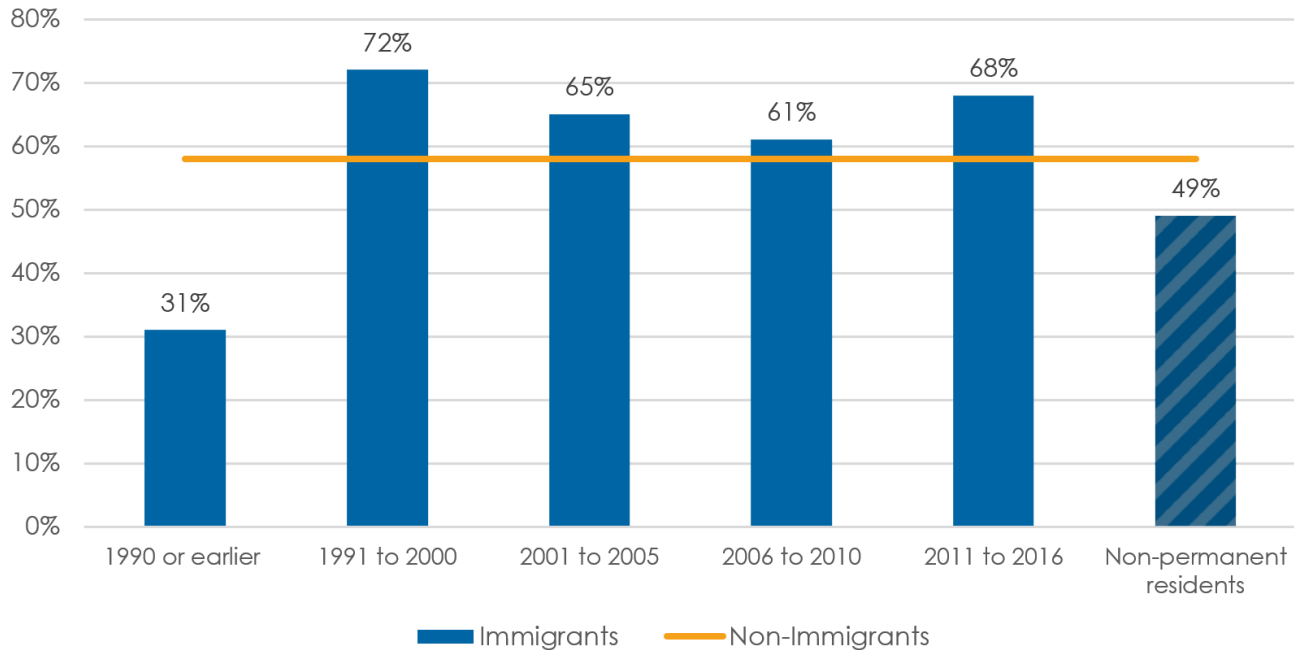
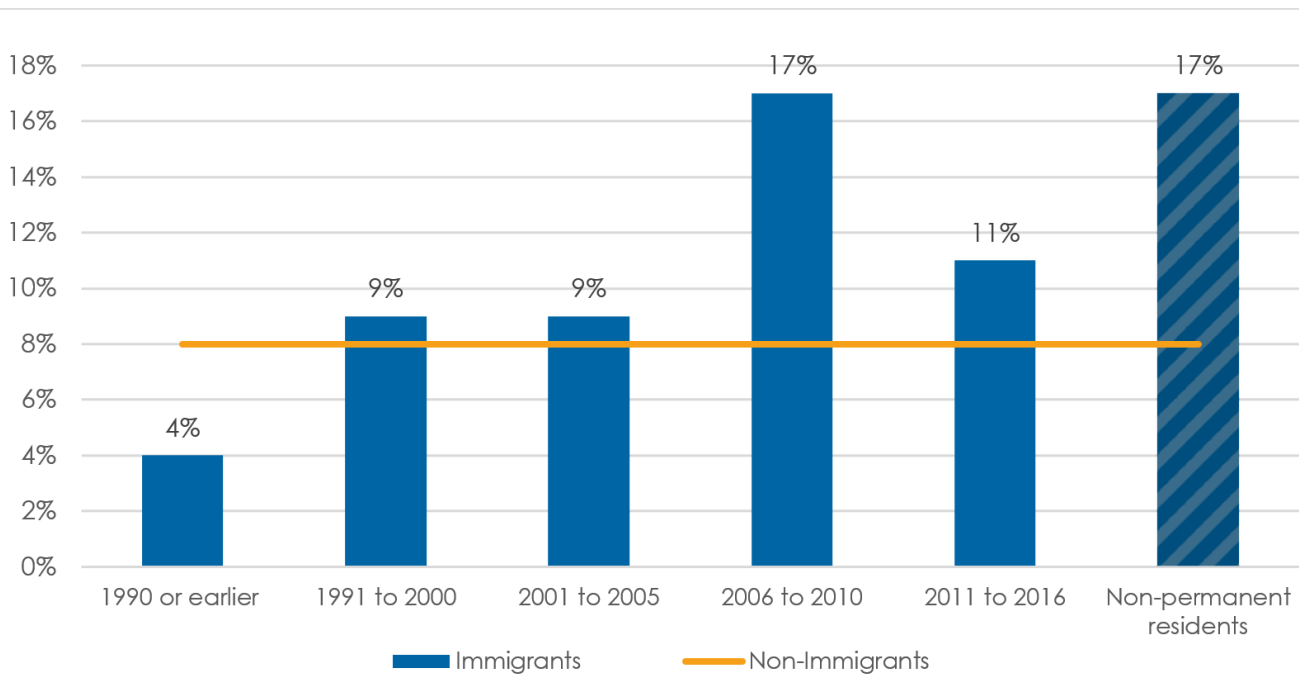


Figure 3: Employment rates (%) in Greater Sudbury by period of immigration, 2016



Source: Author's calculations; Community Data Program (CDP); Selected Language, Labour Force, Education, Income and Mobility Status Characteristics; Table EO2767-TBL7R.

Figure 4: Unemployment rates (%) in Greater Sudbury by period of immigration, 2016



Source: Author's calculations; Community Data Program (CDP); Selected Language, Labour Force, Education, Income and Mobility Status Characteristics; Table EO2767-TBL7R.

Measuring participation rate between immigrant cohorts indicates the number of immigrants in each cohort actively participating in the labour force, either by being employed or searching for employment. As regions in Northern Ontario are facing an aging population, low birth rates, and youth out-migration, immigrant participation in the labour force is one way to maintain the current standard of living as demographics shift.

The participation rate measures the total labour force, comprised of those who are employed and unemployed, combined, relative to the size of the working-age population. It is the share of the working-age population that is working or looking for work.

As mentioned when discussing employment and unemployment, time since landing is a large determinant of immigrants' labour market outcomes. For example, recent immigrants (defined above) face labour market hurdles that affect their integration into the labour market, such as lack of language proficiency, lack of recognition of foreign credentials, and inadequate familiarity with the Canadian labour market (Statistics Canada, 2003, 10). A high participation rate combined with a low unemployment rate indicates robust opportunities in the labour market.

Recent immigrants in Greater Sudbury have a higher participation rate than the two more established immigrant cohorts that landed from 2001 to 2005, and 2006 to 2010. Additionally, the recent immigrant participation rate is higher than the participation rate for non-immigrants. Even among non-permanent residents (temporary residents such as work or study permit holders) the labour market participation rates are comparable to the non-immigrant population. That said, non-permanent residents do have a lower participation rate than the other immigrant cohorts, with the exception of those that landed in 1990 or earlier.

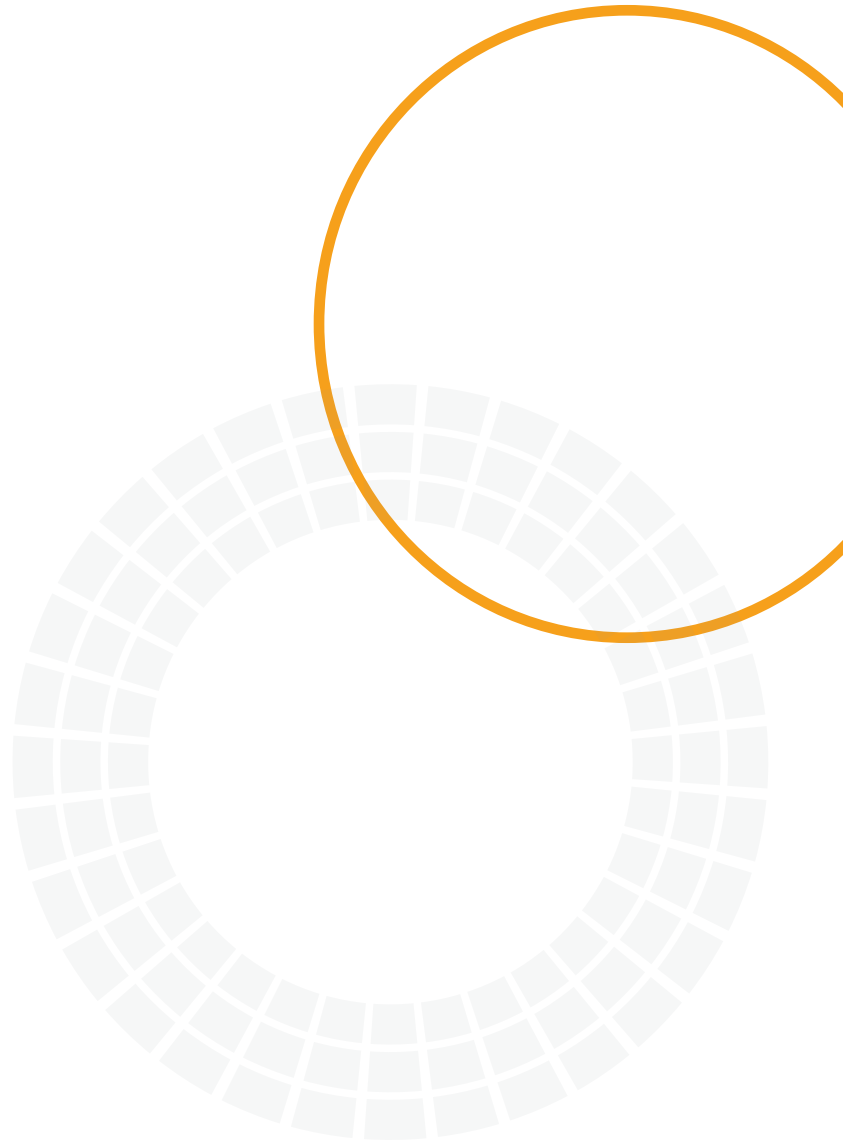
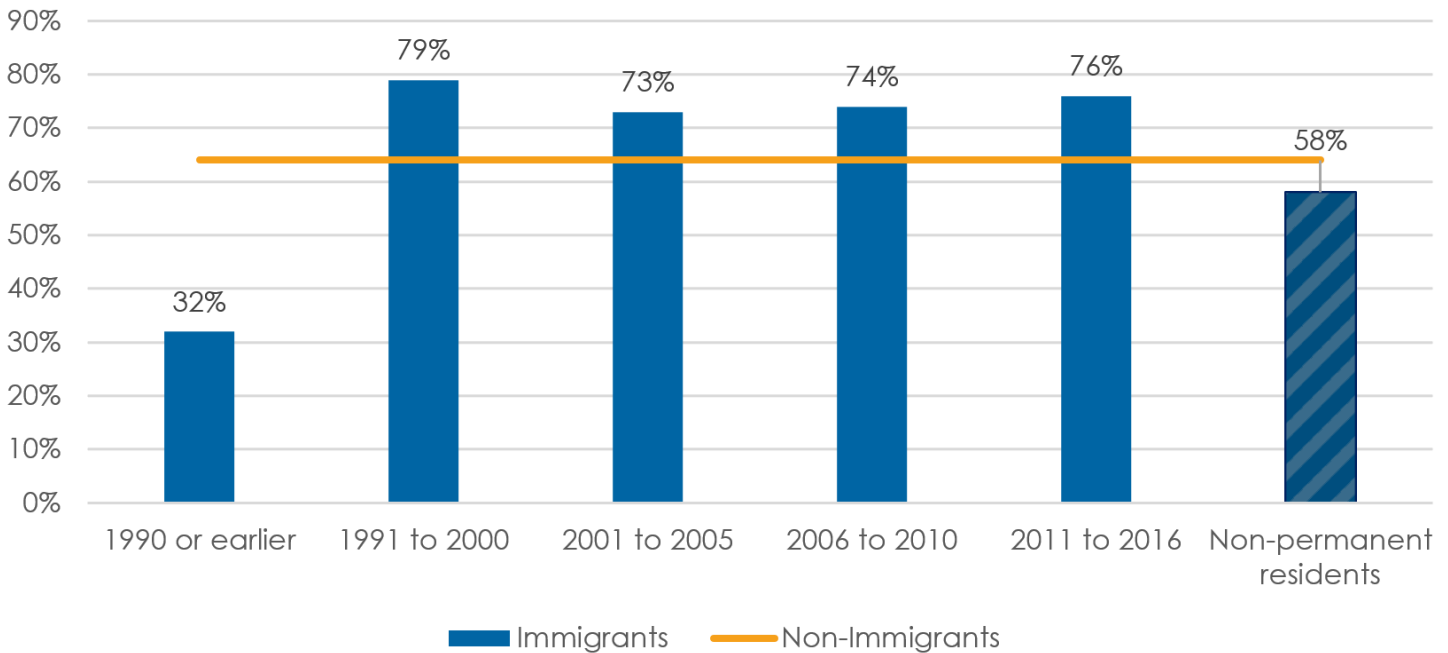


Figure 5: Participation rate (%) in Greater Sudbury by period of immigration, 2016



Source: Author's calculations; Community Data Program (CDP); Selected Language, Labour Force, Education, Income and Mobility Status Characteristics; Table EO2767-TBL7R.

Discussion

The federal Express Entry program prioritizes immigrants with certain jobs or NOCs. In fact, all Federal Express streams require work experience in NOCs 0, A, or B, which are jobs in management and/or requiring university or college credentials. Thus, the Express Entry program caters to high-skilled workers.

As seen with Greater Sudbury's targeted occupations, the high-skilled workers category is not the only one in which there are labour market shortages. There is also a demand for NOC Skill Level C and Skill Level D workers. Skill Level C includes intermediate jobs that usually call for high school and/or job-specific training, such as transport truck drivers, home support workers and housekeepers. Skill Level D includes labour jobs that usually give on-the-job training, such as food counter attendants and kitchen helpers (Canada 2020b).

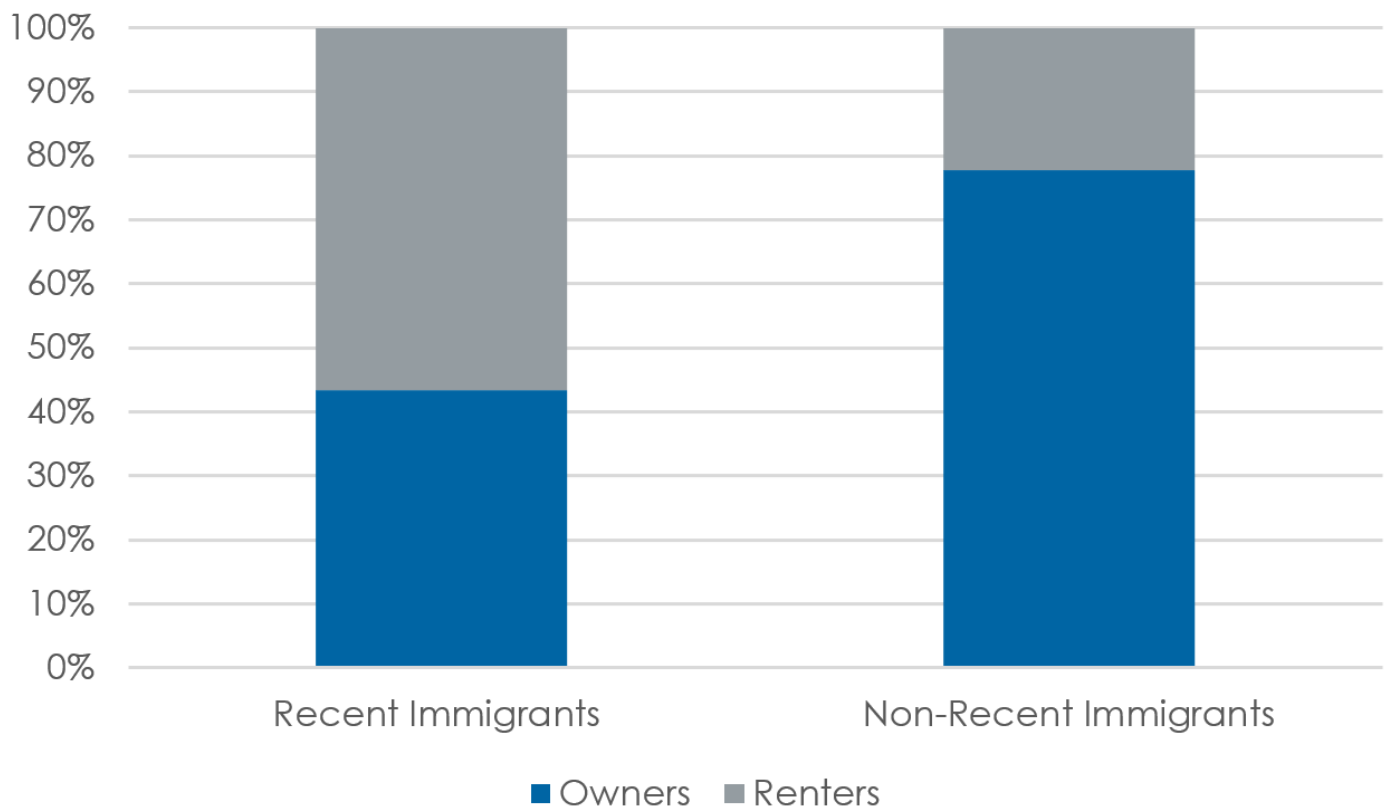
In theory, communities targeting immigrants with specific occupational experience as it aligns with their current labour market shortages should result in an increase in employment rates for recent immigrants. Further contributing to positive labour market outcomes, a requirement of RNIP is that the potential immigrant have a permanent job offer, further cementing employment upon arrival.

Housing

Looking at immigrants' housing tenure can help indicate financial security, especially if the dwelling is owned (Haan 2012, 3). Owned housing can also signify an immigrant household's commitment to their new community and society (ibid), which can indicate retention.

In Greater Sudbury, recent immigrants are more likely to be renters than non-recent immigrants. Non-recent immigrants—those who have obtained permanent residence more than five years ago—are more likely to be homeowners.

Figure 6: Immigrant households in Greater Sudbury by housing tenure (owners vs. renters), 2016

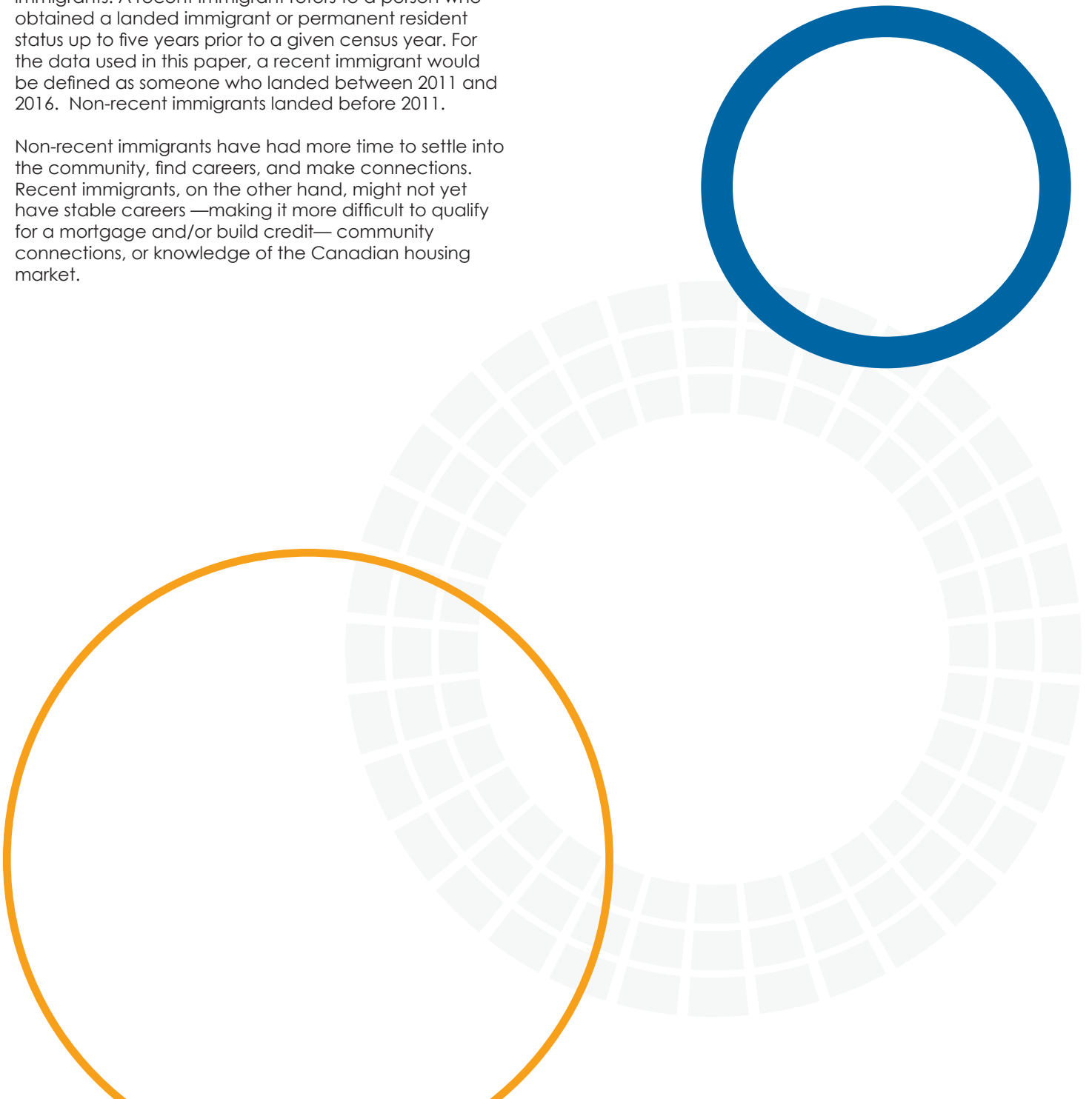


Source: Community Data Program (CDP), Target Group Profile of Recent Immigrant + Immigrant Population, Census 2016.

There are many factors that can influence housing tenure, such as housing prices, discrimination, admission category, navigating the system, stable employment, access to credit, affordability/income, availability, and adequacy.

Also, the distinction needed when looking at housing tenure is that between recent and non-recent immigrants. A recent immigrant refers to a person who obtained a landed immigrant or permanent resident status up to five years prior to a given census year. For the data used in this paper, a recent immigrant would be defined as someone who landed between 2011 and 2016. Non-recent immigrants landed before 2011.

Non-recent immigrants have had more time to settle into the community, find careers, and make connections. Recent immigrants, on the other hand, might not yet have stable careers—making it more difficult to qualify for a mortgage and/or build credit—community connections, or knowledge of the Canadian housing market.



Education

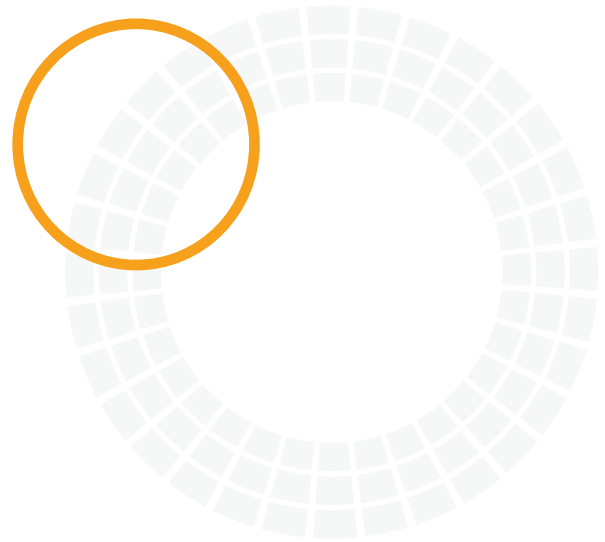
The most common field of study for immigrants in Greater Sudbury is architecture, engineering, and related technologies. The second most common field of study among immigrants is health and related fields. The third is business, management, and public administration.

Immigrants that studied in a high-skilled field, such as health care, engineering, or architecture, are most prominent in Greater Sudbury. The engineering field of study aligns with one of the most intended occupations for immigrants to Greater Sudbury between 1998 and 2019: mining engineers.

The City of Greater Sudbury has three postsecondary institutions: Laurentian University, Cambrian College, and Collège Boréal. The number of international students at Cambrian College has been increasing since the 2012-13 academic year,¹⁰ with 578 international students enrolled during 2017-18¹¹.

Laurentian University's numbers have fluctuated over the years. It had its highest number of international students (519) during the 2015-16 academic year. The university's student body is seven per cent international students.

Collège Boréal has typically had the smallest number of international students in Greater Sudbury, with 18 during the 2017-18 academic year. That said, the college has higher enrolment numbers than both Laurentian University¹² and Cambrian College¹³—approximately 8,600 full-time students in the 2016-17 academic year (Collège Boréal 2017, 7).



¹⁰ With the exception of 2015-16.

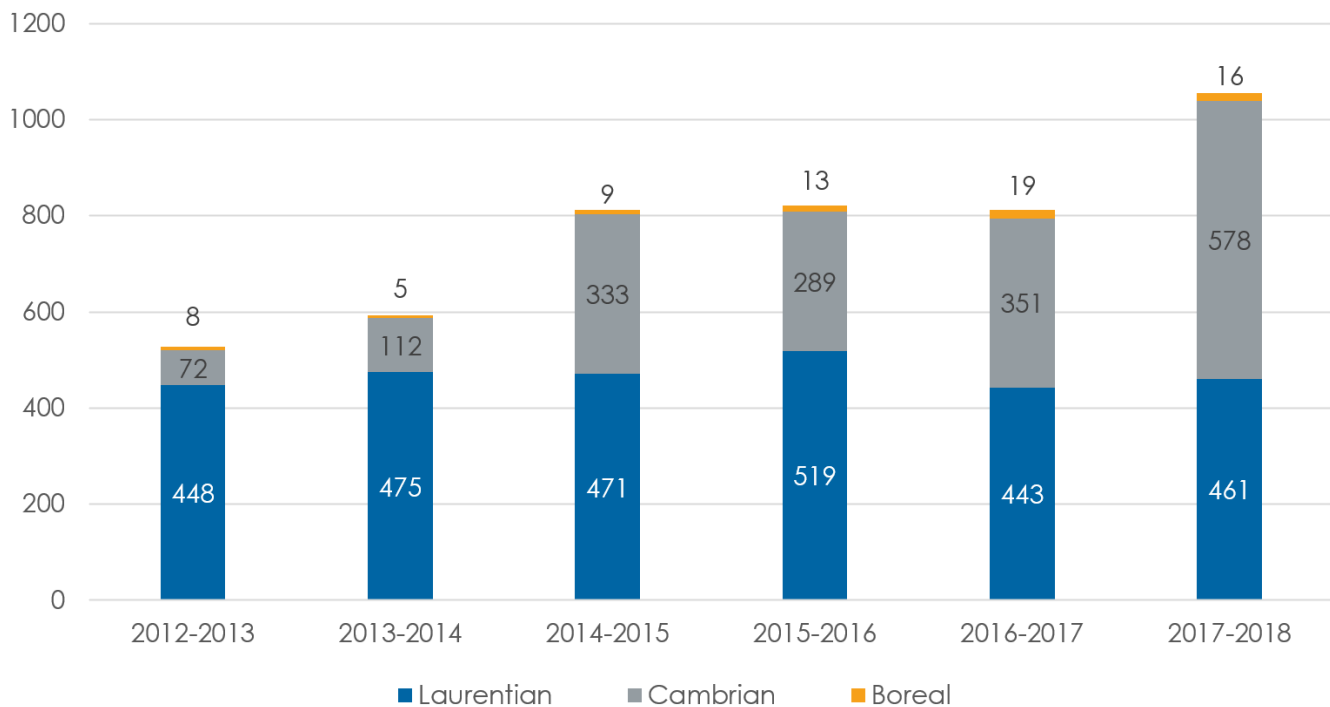
¹¹ Most recent data available at time of writing.

¹² Laurentian University had approximately 7,000 full-time students in 2016-17 (MTCU).

¹³ Cambrian College had approximately 4,700 full- and part-time students enrolled in 2016-17.



Figure 7: International students enrolled in Greater Sudbury by postsecondary institution, 2012-2018



Source: Author's calculations; Ministry of Training, Colleges and Universities (MTCU); Enrolment Data - International and Domestic Full-time Headcounts.

International students comprise an important pool of potential immigrants. They have recognized Canadian education credentials, knowledge of French or English, potentially Canadian work experience, familiarity with Canadian culture, and a connection to the community. For these reasons, international students are expected to integrate quicker into the labour market and society than other types of immigrants (Hagar 2019).

Immigration System

Study permit holders

In Greater Sudbury, which houses Laurentian University, Cambrian College, and Collège Boréal, study permit holders between 1998 and 2019 were overwhelmingly citizens of India. The same was true for all of the five largest cities in Northern Ontario. In 2017, the number of study permit holders with Indian citizenship in Greater Sudbury reached 1,545, and the number remained over 1,000 through 2019. Other common countries of citizenship for study permit holders include China, Saudi Arabia, Nigeria, and the Democratic Republic of the Congo. There was also a large increase in study permit holders from Saudi Arabia in 2011 with 170, with high numbers continuing through 2019.

Study permit holders that gained permanent residence in Greater Sudbury between 1998 and 2019 did so primarily through the Economic stream. Within the Economic category, the primary pathway was the Skilled Worker Program. Within the Sponsored Family stream, sponsored spouse or partner was the largest subcategory of permanent residents.

Work permit holders

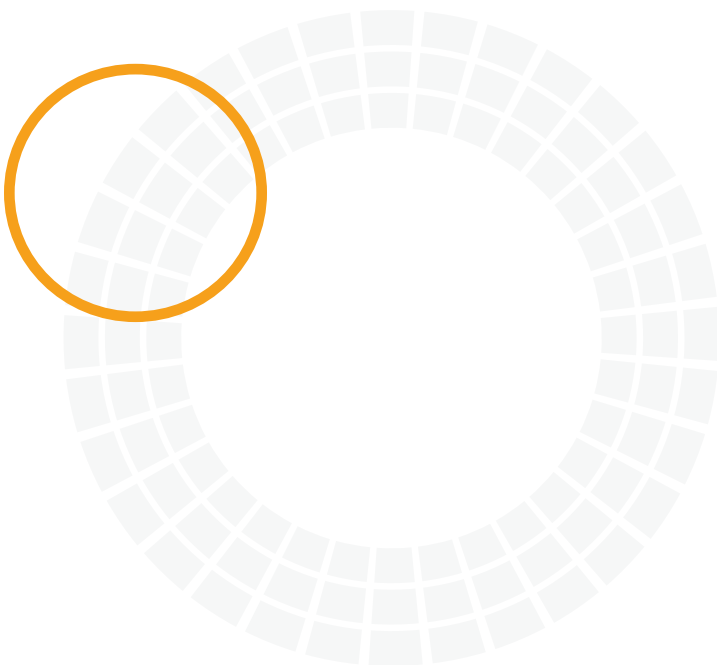
Work permit holders in Greater Sudbury most commonly have citizenship in the United States. The same is true for Northern Ontario's 11 districts and five largest cities. Other common countries of citizenship include India, China, the United Kingdom, and the Philippines.

Work permit holders that gained permanent residence in Greater Sudbury between 1998 and 2019 primarily did so through the Economic immigrant stream, and most of them came through the Canadian Experience and Skilled Worker subcategories. Many also gained permanent residence through the Provincial Nominee Program.

Discussion

Temporary residents—work permit and study permit holders—make up a large share of Greater Sudbury's immigrant population; they also contribute to the local economy and labour force.¹⁴ International students pay tuition to local institutions and spend their money in the city (e.g., rent, groceries, transportation, textbooks, clothing), with additional indirect and induced economic impacts. Similarly, work permit holders fill in-demand jobs in the community and pay for rent/mortgage, groceries, transportation, and other necessities. As such, it is important to measure their presence, and assess their characteristics, as is done with permanent residents.

¹⁴ See "Where are the international students? How COVID-19 could affect Northern Ontario's economy," Hilary Hagar, 2020.



Income

Employment income

Employment income is calculated among immigrants who receive employment income, whereas total income includes both those with and without income. This can result in higher employment income numbers, despite total income also including income from government transfers and investments.

In terms of both median and average employment income, immigrants who settled in Greater Sudbury before 2000 have comparable incomes to non-immigrants. Median and average income levels are lower among immigrants who settled in Greater Sudbury within the past 10 years¹⁵ than among non-immigrants and more established immigrants.

It appears that immigrants begin earning higher employment incomes as they become more established. Income levels among immigrants in Greater Sudbury are consistent with trends identified in the literature. De Chardon emphasizes this point, stating, “annual earnings for high-skilled principal applicants surpass the Canadian average soon after landing and increase over time.” (2019, 9) Immigrants and refugees often need time to settle in their new country and, as a result, years since migration generally corresponds with improved economic and social outcomes (Crossman 2013).

Household income

Factors that contribute to household income for immigrants include number of people in the household, pre-admission experience, knowledge of official languages, and category of admission (Statistics Canada, 2021b). Similar to other variables, it is important to look at immigrants based on their period of immigration, if possible. For average and median household income metrics, data were only available for the following groups: all immigrants and recent immigrants.

Household income levels for recent immigrants are lower, on average, than for all immigrants. The reasons for lower average and median income levels (both total and after-tax) are consistent with those previously mentioned: recent immigrants need time to settle into their new communities, gain stable employment, have recognized credentials, complete training, and so on.

Table 3: Immigrant household income statistics in Greater Sudbury, 2016

	Average total income	Median total income	Average after-tax income	Median after-tax income
Recent Immigrants	\$85,380	\$65,434	\$70,940	\$59,245
All Immigrants	\$95,115	\$69,058	\$78,621	\$62,331

Source: Author's calculations, Community Data Program (CDP), Household & Family TGP of the recent immigrant population, Census 2016, custom tabulation.

¹⁵ At the time of the 2016 census, the past 10 years refers to 2006-2016.

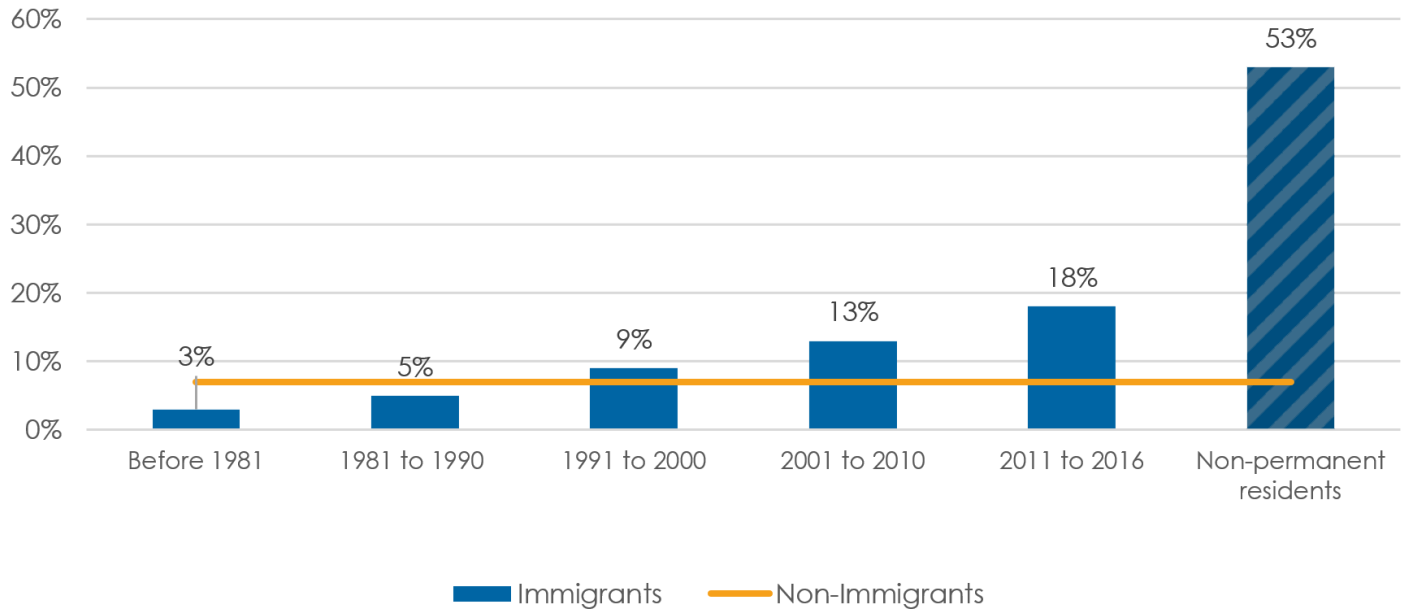
Low income cut-offs (LICOs)

Low income cut-offs (LICOs) are income thresholds below which a family will likely devote a larger share of its income to necessities such as food, shelter and clothing than the average family. Statistics Canada calculates LICOs by looking at the income threshold for which families are expected to spend 20 percentage points more than the average family on food, shelter, and clothing (Statistics Canada 2015). As the purchase of necessities is done with after-tax dollars, after-tax income is used to determine LICOs.

Immigrants that came to Greater Sudbury after 1991 have LICO levels above that of non-immigrants. Incidence of LICO immigrants decreases as time in the community increases. More than 50 per cent of non-permanent residents are LICOs, indicating either difficulty integrating into the labour market or finding meaningful employment. As previously stated, non-permanent residents include both study and work permit holders. Study permit holders commonly have restrictions that only allow them to work 20 hours a week. Thus, it is not surprising that this demographic would be driving up the incidence of LICOs among non-permanent residents.

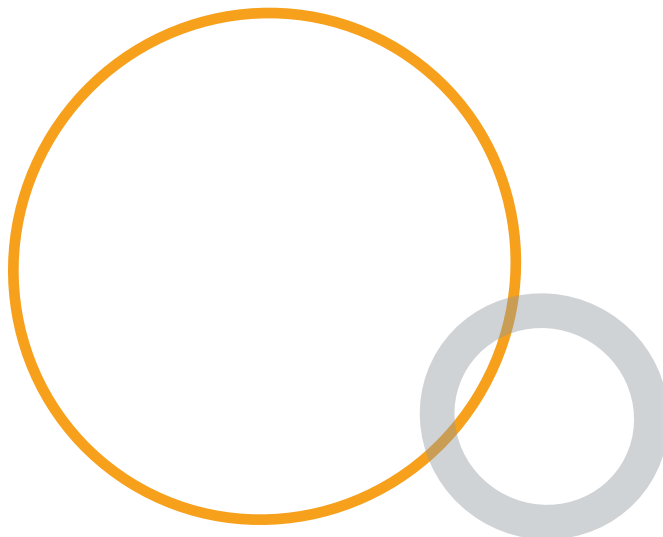


Figure 8: Percentage of low income cut-offs after tax (LICO-AT) in Greater Sudbury by period of immigration, 2016



Source: Author's calculations; Community Data Program (CDP); Selected Language, Labour Force, Education, Income and Mobility Status Characteristics; Table EO2767 - TBL7R.

What the above data show is that having lower income levels as a recent immigrant is not a long-term phenomenon. Income levels appear to increase, and LICO levels decrease, in correspondence with time spent in the community. As noted, factors such as immigration stream, knowledge of an official language, and employment situation all greatly affect income levels. Additionally, when more recent data are available, income levels will reflect what is happening in the economy at time of landing for the most recent immigrant cohort. Thus, the COVID-19 pandemic will likely impact employment, income, and LICO levels among recent and non-recent immigrants alike.

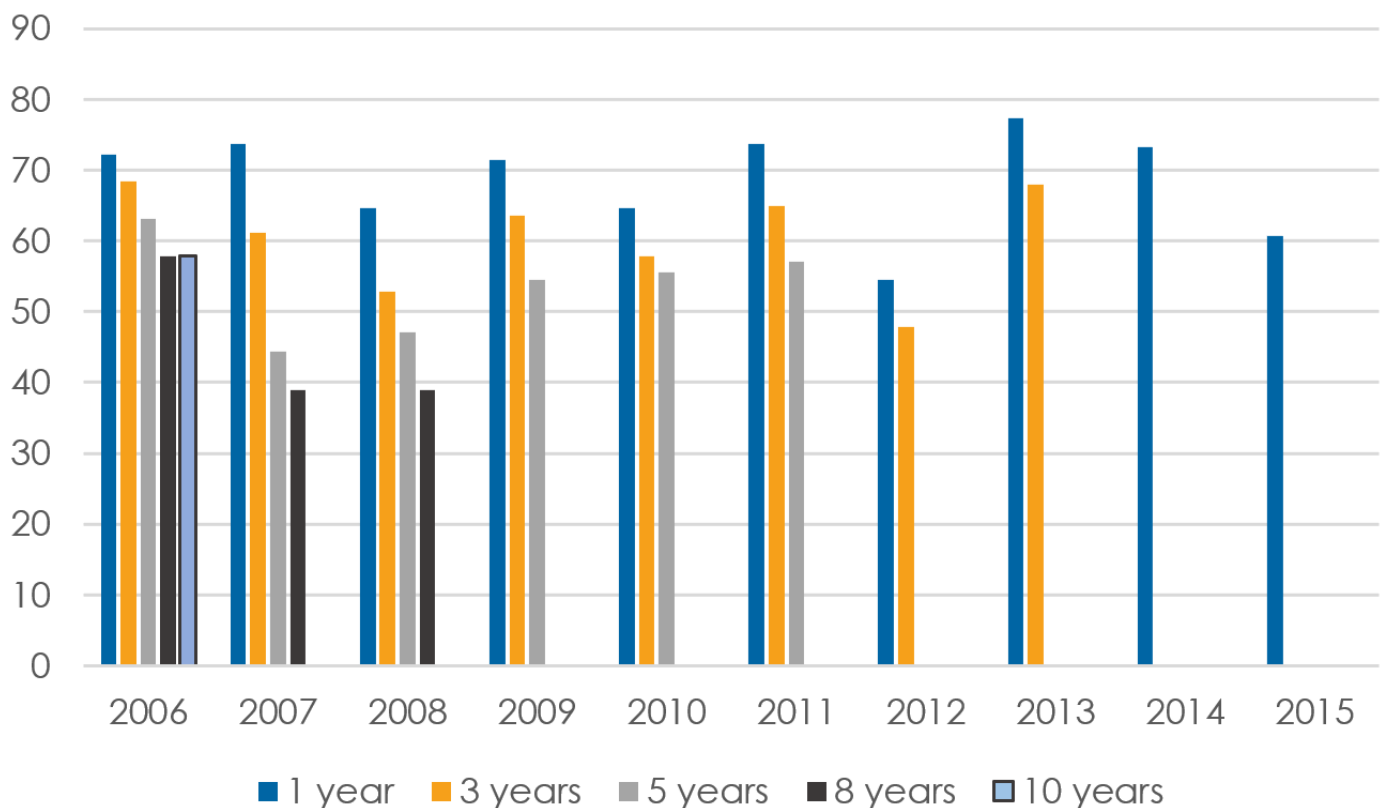


Retention

Retention of immigrants in the first year following admission averages 70 per cent, meaning approximately 30 per cent of immigrants are leaving Greater Sudbury within their first year of gaining permanent residence. But in 2015, the most recent year data are available, one-year retention dipped to 60.7 per cent. There was also a large dip in one-year retention in 2012. As years since admission increase—otherwise known as time spent in a community—retention rates decrease, indicating immigrants are moving out of the community, which is to be expected. The largest out-migration appears to happen between one and three years since admission. With the limited data available, retention rates seem to stabilize after three years in the community.

As new initiatives are rolled out, it is important to track their impacts on retention. For example, will RNIP community-specified candidate criteria aid in finding immigrants more willing to stay in Greater Sudbury? Will the conditional permanent residence offer lead to higher employment satisfaction (and thus higher retention) if applicants can obtain a job in their field? The factors that aid in retention, beyond the RNIP, must be continuously assessed to achieve this goal not just among the migrant population but also among those already in the community.

Figure 9: Retention rate (%) by years since admission in Greater Sudbury CMA, 2006-2015

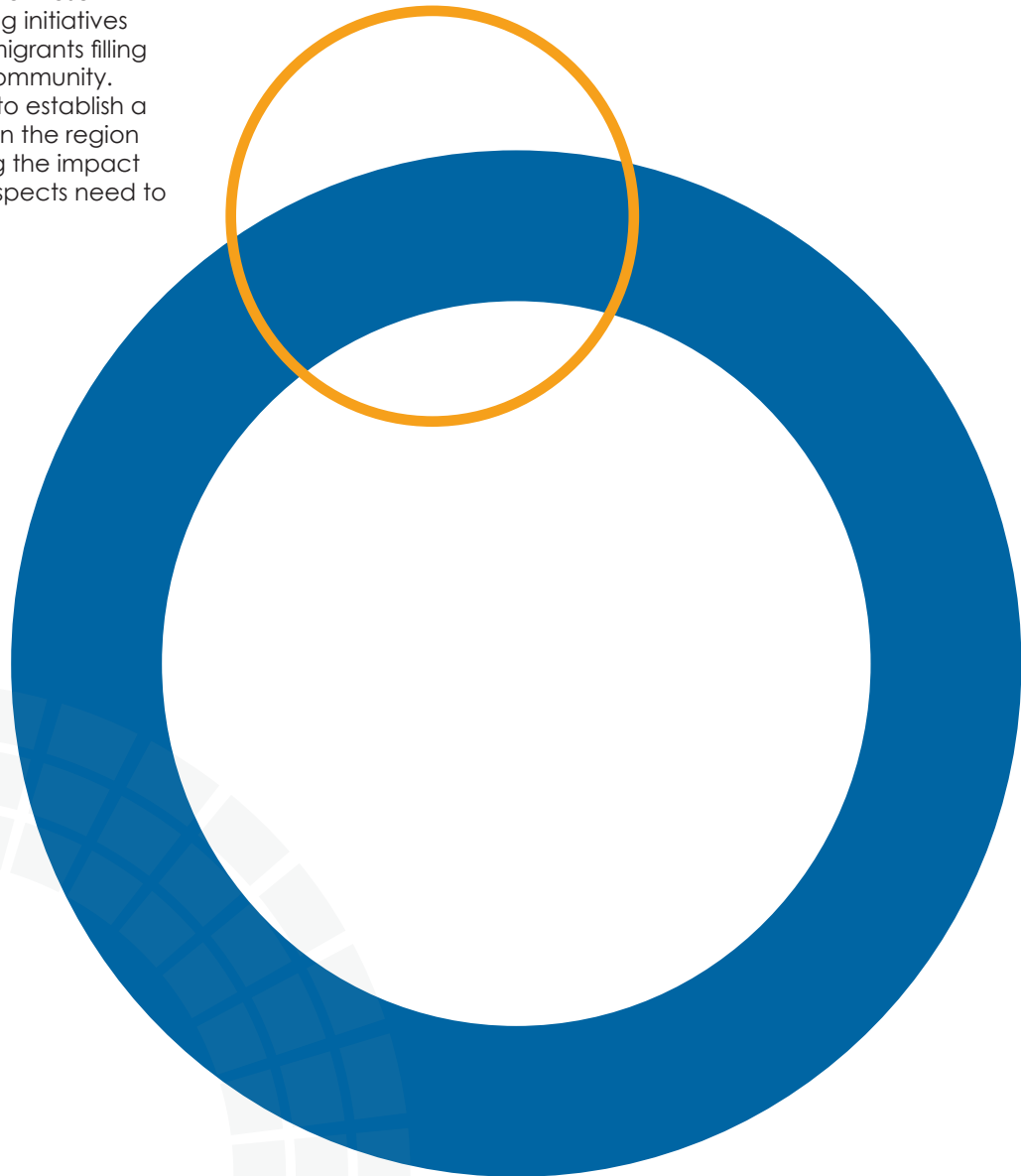


Source: Author's calculations, Statistics Canada, Mobility and Income of Immigrant Taxfilers, Table 43-10-0014-01.

Conclusion

When assessing the economic Rural and Northern Immigration Pilot (RNIP) Program, the governing principles are grounded in labour market success for principal applicants. For example, trends related to the labour market participation and employment of recent immigrants would be influenced by the fact that RNIP applicants must have a valid job offer in the community. Also, applicants must have either a Canadian postsecondary degree or experience in the field in which they are applying, which would influence income levels. When looking at housing, the previously discussed effects of having stable employment, coupled with more points being given to those who have lived in the community, aid in the search and ownership of housing.

But the impacts of the RNIP are not limited to those directly participating in the pilot. Welcoming initiatives and sustainable economic growth (via immigrants filling labour market shortages) help the entire community. Thus, although the purpose of this paper is to establish a baseline assessment of immigration trends in the region for the purpose of monitoring and assessing the impact of RNIP and other programs, many other aspects need to be looked at in tandem.



Recommendations

Economic immigration is a valuable tool for communities to fill labour market shortages and counteract the effects of an aging population, low birth rates, and high levels of youth out-migration. For this process to be not only successful but also meaningful for all parties involved, the following recommendations must be considered:

1. (1a) Ongoing annual monitoring and assessment of community-level immigration trends in Ontario's northern, western, and central regions

Now that a baseline is established for immigration trends in Ontario's northern, western, and central regions, this analysis should be used and built on, year-over-year, to monitor and assess trends in the regions.

Not only should immigration trends be monitored and updated but also labour market indicators, such as vacancy rates in specific occupations. This analysis will aid in monitoring the impacts of the RNIP Program, as well as other welcoming, attraction, and retention efforts undertaken by communities.

It should be noted that data availability and accessibility were a challenge, with long wait times for IRCC admission data. Additionally, there were high levels of data suppression when working at the community level. With the upcoming release of 2021 census data, as well as the continued updating of the IMDB and Taxfiler data, a more comprehensive picture of immigration trends can be provided moving forward.

2. (1b) Community-specific ongoing assessment of the impact of the Rural and Northern Immigration Pilot (RNIP) before, during, and after the program

Although 100 recommendations were available to communities in the first year of the pilot, the COVID-19 pandemic significantly hindered the arrival of immigrants to Canada, as well as the initial rollout of the pilot in some communities. Thus, the number of community recommendations issued in the first year of the pilot was low. This is cited to highlight the difficulties in obtaining RNIP candidate-specific data for Year 1.

Northern Policy Institute has partnered with three RNIP communities in Northern Ontario—Thunder Bay, Timmins, and Greater Sudbury—to monitor and assess RNIP-specific immigration trends and outcomes. The goals of the RNIP are to fill community-specific labour market needs while promoting a welcoming community for all participants, ultimately resulting in high retention levels. Thus, the social and economic benefits of the pilot in each community should be analyzed.

This partnership was offered to all RNIP communities in Northern Ontario, and the data-sharing and analysis partnership remains open. Communities that are interested in community-level RNIP assessments, but do not have formal partnerships, are welcome to partner with Northern Policy Institute for this analysis.

3. Expanding the above analysis to also include secondary and domestic migrants to (and in) Northern Ontario communities

Domestic and secondary migrants, and those already in the communities, also shape the economic landscape in terms of participation in the housing and labour market. Additionally, they need access to welcoming infrastructure, employers, and the community as a whole to retain them once they are in the communities.

A limitation to this extra layer of analysis is data availability. IRCC keeps admission records on international in-migrants and temporary residents based on intended destination. Secondary and domestic migration are not captured in these records. Thus, data sources are limited to the census and Taxfiler information.

4. Strengthening the alignment between labour market shortages, targeted occupations, postsecondary institutional fields of study, and immigrant-intended occupations to maximize economic outcomes

Available data should be used to align labour supply with labour demand, thus promoting a robust local labour market and contributing to sustainable economic growth. All actors involved—chambers, planning boards, postsecondary institutions, employers, immigration actors—can strategically target labour supply, via targeted immigration, to fill current vacancies.

Most communities analyzed do not have overlap between occupations with high vacancy rates and those under the Year 1 RNIP targeted occupations. To aid in attraction and retention of immigrants, as well as promote positive labour market outcomes for the community, more strategic alignment is recommended. Available data can, and should, be used to guide decision-making, alongside consultations with community partners and employers.

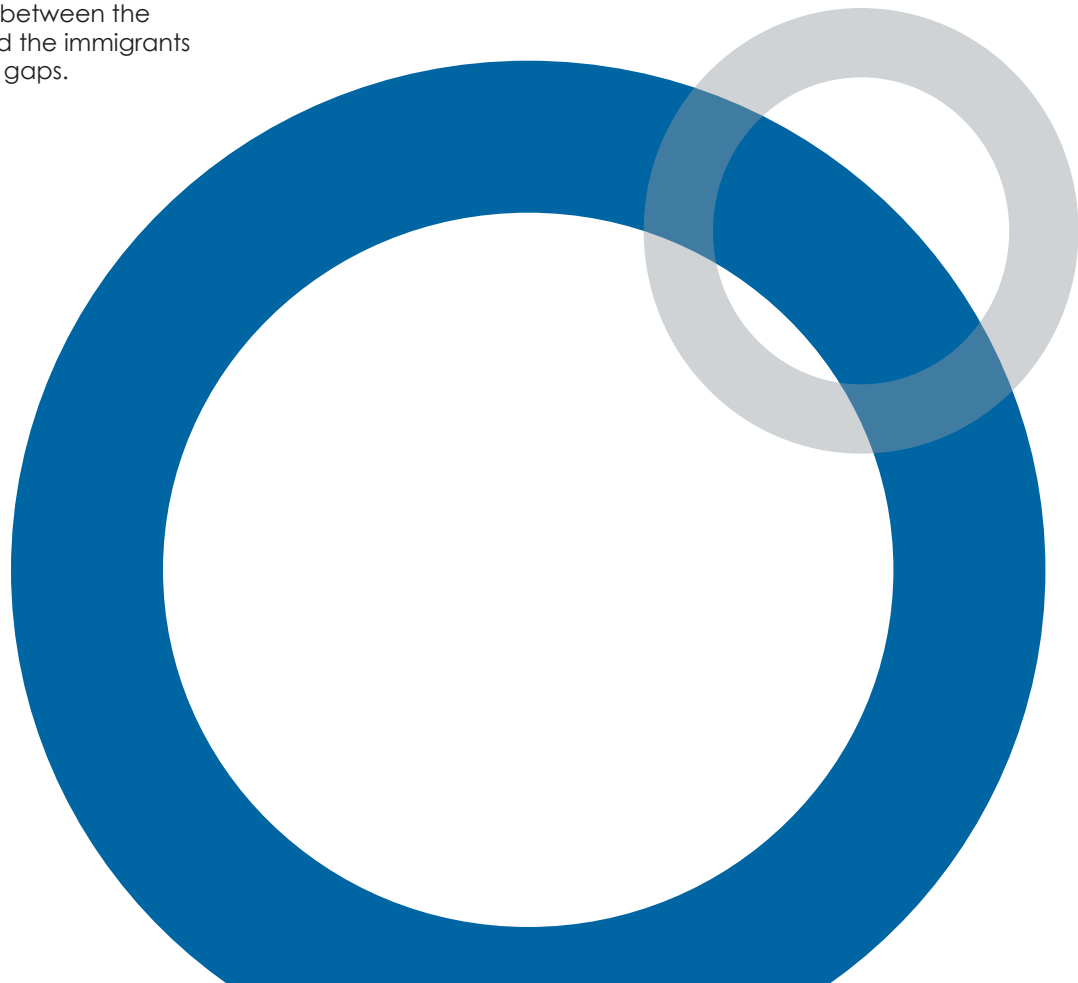
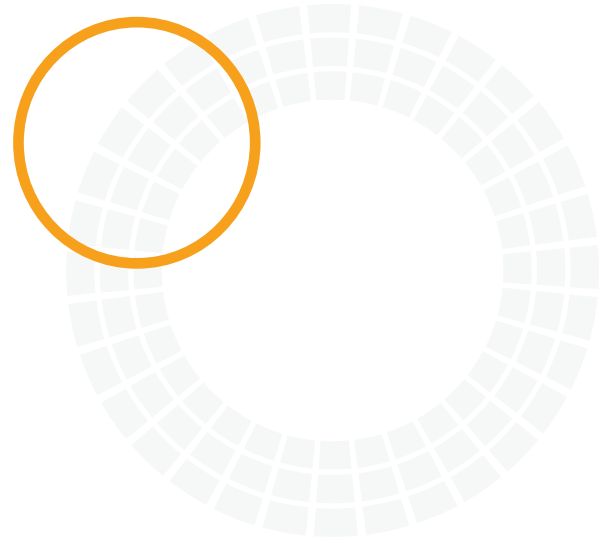
Additionally, those already in the community comprise a large source of labour. Similar to the preceding point, this population also needs to be assessed. Are people already in the communities participating in the labour force? Are they unemployed or underemployed? Are their (foreign) credentials and life experiences adequately acknowledged and compensated?

5. Undertaking welcoming community initiatives to welcome, attract, and retain immigrants and the existing population to/in Ontario's northern, western, and central regions

Beyond the trends that can be measured quantitatively, using data gathered from IRCC, the census, Taxfiler estimates, and IMDB, there is a need to also measure attitudes and perceptions of those in the community. A requirement for participating RNIP communities is to undertake welcoming community efforts. Undoubtedly, the effects of implementing welcoming community initiatives will positively benefit people beyond those participating directly in the pilot.

The effects of these initiatives should, similar to immigration trends more generally, be tracked on an ongoing basis. To do this, primary data collection, likely in the form of focus groups and surveys, must be deployed. Important indicators to track include sense of belonging, meaningful employment, positive community interactions, and welcoming infrastructure (such as services available).

When looking at each community's labour market, the individual and community-wide benefits of immigration will be felt when there is an alignment between the labour shortages in the community and the immigrants who are applying their skills to fill these gaps.



References

Canada (a).

"Eligibility to apply as a Federal Skilled Worker (Express Entry)." Immigration, Refugee and Citizenship Canada. Last modified April 1, 2020. Available online at <https://www.canada.ca/en/immigration-refugees-citizenship/services/immigrate-canada/express-entry/eligibility/federal-skilled-workers.html>

Canada (b).

"Find your NOC." Immigration, Refugee and Citizenship Canada. Last modified January 21, 2020. Available online at <https://www.canada.ca/en/immigration-refugees-citizenship/services/immigrate-canada/express-entry/eligibility/find-national-occupation-code.html>.

Canada (c).

"Rural and Northern Immigration Pilot: who can apply." Immigration, Refugee and Citizenship Canada. Last modified July 27, 2020. Available online at <https://www.canada.ca/en/immigration-refugees-citizenship/services/immigrate-canada/rural-northern-immigration-pilot/pr-eligibility.htm>.

Canada (d).

"Types of work permits." Immigration, Refugees and Citizenship Canada. Last modified March 10, 2020. Available online at <https://www.canada.ca/en/immigration-refugees-citizenship/services/work-canada/permit/temporary/work-permit-types.html>.

Canada (e).

"Newcomers to Canada (immigrants and returning residents)." Canada Revenue Agency. Available online at <https://www.canada.ca/en/revenue-agency/services/tax/international-non-residents/individuals-leaving-entering-canada-non-residents/newcomers-canada-immigrants.html>.

Canada (f).

"Refusal to process a Labour Market Impact Assessment application." Employment and Social Development Canada. Last modified July 15, 2021. Available online at <https://www.canada.ca/en/employment-social-development/services/foreign-workers/refusal.html>.

Canada (g).

"Welcoming Francophone Communities initiative." Immigration, Refugees and Citizenship Canada. Last modified August 13, 2021. Available online at <https://www.canada.ca/en/immigration-refugees-citizenship/services/new-immigrants/prepare-life-canada/choose-city/francophone-communities-outside-quebec/welcome.html>.

Canada (h).

"What is a Labour Market Impact Assessment?" Help Centre, Immigration, Refugees and Citizenship Canada. Last modified April 28, 2021. Available online at <https://www.cic.gc.ca/english/helpcentre/answer.asp?qnum=163&top=17>.

Collège Boréal.

"2016-2017 Annual Report." Sudbury: Collège Boréal, 2017. Available online at https://www.collegeboreal.ca/static/uploaded/Files/Politiques-informations-documentation/Annual-Report/2016-2017_Annual-Report.pdf.

Crossman, Eden.

"Low-income and Immigration: An Overview and Future Directions for Research." Immigration, Refugees and Citizenship Canada. Last modified January 3, 2020. Available online at <https://www.canada.ca/en/immigration-refugees-citizenship/corporate/reports-statistics/research/low-income-immigration-overview-future-directions-research.html#s5>.

De Chardon, Cédric.

"Socio-Economic Outcomes of Immigrants: What We Know, Where We Are Going, and Knowledge Gaps." Presentation, P2P Preconference at the International Metropolis Conference, June 24, 2019. Available online at <http://p2pcanada.ca/wp-content/blogs.dir/1/files/2019/06/2-cedric-de-chardon-new.pdf>.

Haan, Michael, 2012.

"The Housing Experiences of New Canadians: Insights from the Longitudinal Survey of Immigrants to Canada (LSIC)." Ottawa: Citizenship and Immigration Canada, 2012. Available online at <https://www.canada.ca/content/dam/ircc/migration/ircc/english/pdf/research-stats/housing-haan.pdf>.

Hagar, Hilary.

"Hittin' the 'books.'" Northern Policy Institute. November 22, 2019. Available online at <https://www.northernpolicy.ca/hittin-the-books>.

Hagar, Hilary.

"Where are the international students? How COVID-19 could affect Northern Ontario's economy." Thunder Bay: Northern Policy Institute, 2020. Available online at https://www.northernpolicy.ca/upload/documents/publications/briefing-notes/hagar-covid-internationalstudents_en.pdf.

Lindzon, Jarden.

"Canada remains job candidate's market in majority of provinces as vacancy rates increase." The Globe and Mail, August 9, 2019. Available online at <https://www.theglobeandmail.com/business/careers/article-canada-remains-job-candidates-market-in-majority-of-provinces-as/>.

Ontario.

"Ontario Immigrant Nominee Program (OINP)." Ministry of Labour, Training and Skills Development. Last modified January 29, 2020. Available online at <https://www.ontario.ca/page/ontario-immigrant-nominee-program-oinp>.

Québec.

"Entente France-Québec sur la reconnaissance mutuelle des qualifications professionnelles." Immigration, Francisation et Intégration. Last modified July 16, 2019. Available online at <http://www.immigration-quebec.gouv.qc.ca/fr/biq/paris/entente-france-quebec/>.

Ross, Alex.

"Assessing Labour Market Shortages in the Greater Sudbury Census Metropolitan Area." Thunder Bay: Northern Policy Institute, 2020. Available online at https://www.northernpolicy.ca/upload/documents/publications/briefing-notes/ross-noc-greatersudbury_en.20.04.23.pdf.

Statistics Canada (a).

"Longitudinal Survey of Immigrants to Canada: Progress and Challenges of New Immigrants in the Workforce." Social and Aboriginal Statistics Division. Available online at <https://www150.statcan.gc.ca/n1/en/pub/89-615-x/89-615-x2005001-eng.pdf?st=YWlslj0Z>.

Statistics Canada (b).

"Low income cut-offs." Last modified November 27, 2015. Available online at <https://www150.statcan.gc.ca/n1/pub/75f0002m/2012002/lico-sfr-eng.htm>.

Statistics Canada (c).

"Introduction to the National Occupation Classification (NOC) 2016 Version 1.0." Last modified January 11, 2019. Accessed on August 4, 2020. Available online at <https://www.statcan.gc.ca/eng/subjects/standard/noc/2016/introduction>.

Statistics Canada (d).

"Immigrant." Definitions, data sources and methods. Last modified July 22, 2021. Available online at <https://www23.statcan.gc.ca/imdb/p3Var.pl?Function=Unit&Id=85107>.

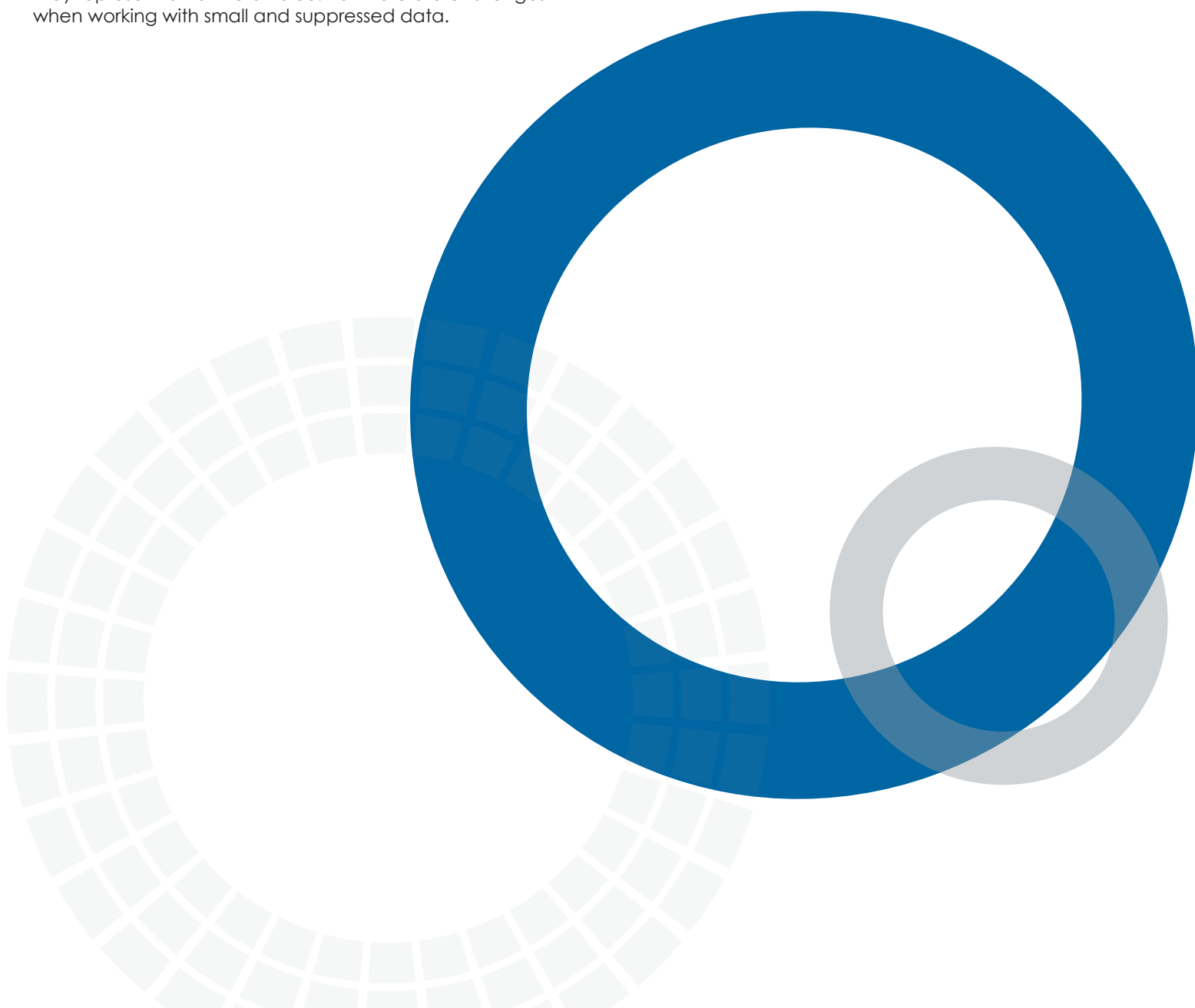
Statistics Canada (e).

"Income and mobility of immigrants, 2018." The Daily. Last modified February 5, 2021. Available online at <https://www150.statcan.gc.ca/n1/daily-quotidien/210201/dq210201a-eng.htm>.

Appendix

Appendix A: Data Suppression

All values between zero and five are shown as '--' in requested datasets from IRCC. This is done to prevent individuals from being identified when IRCC data are compiled and compared to other publicly available statistics. All other values are rounded to the closest multiple of five for the same reason. Years with suppressed or rounded data are still significant because they represent a non-zero value. But there are challenges when working with small and suppressed data.



Appendix B: Definitions

Economic immigrants: Immigrants who have been selected for their ability to contribute to Canada's economy through their ability to meet labour market needs, to own and manage or build a business, to make substantial investment, to create their own employment, or to meet specific provincial or territorial labour market needs.

Sponsored Family immigrants: Immigrants who were sponsored by a Canadian citizen or permanent resident and were granted permanent resident status based on their relationship either as the spouse, partner, parent, grandparent, child, or other relative of this sponsor.

Resettled Refugees and Protected Persons immigrants: Immigrants who were granted permanent resident status based on a well-founded fear of returning to their home country.

Other immigrants: Immigrants who were granted permanent resident status under a program that does not fall under the Economic, Sponsored Family, or Resettled Refugees and Protected Persons categories.

Immigrant status: Refers to whether the person is a non-immigrant, an immigrant, or a non-permanent resident:

- **Non-immigrants:** Persons who are Canadian citizens by birth.
- **Immigrants:** Persons who are, or who have ever been, landed immigrants or permanent residents. Such persons have been granted the right to live in Canada permanently by immigration authorities. Also includes persons who are Canadian citizens by naturalization.
- **Non-permanent residents:** Persons who do not have Canadian citizenship and who are not landed immigrants or permanent residents. Includes those who have work, study, or temporary resident permits, or who are refugee claimants, and their family members sharing the same permit and living in Canada with them.

Recent immigrants: Individuals who obtained a landed immigrant or permanent resident status up to five years prior to a given census year. For the data used in this paper, a recent immigrant would be defined as those who landed between 2011 and 2016. Non-recent immigrants landed before 2011.

All immigrants: Individuals who are, or who have ever been, a landed immigrant or permanent resident.

Unemployed: Refers to persons who, during the week of May 1 to May 7, 2016, were without paid work or without self-employment work and were available for work and either:

- a. Had actively looked for paid work in the past four weeks; or
- b. Were on temporary layoff and expected to return to their job; or
- c. Had definite arrangements to start a new job in four weeks or less.

Unemployment rate: Refers to the unemployed expressed as a percentage of the labour force during the week of May 1 to May 7, 2016. The unemployment rate for a particular group (e.g., age, sex, marital status, geographic area) is the unemployed in that group, expressed as a percentage of the labour force in that group.



Appendix C: Indicator List

In total, 24 indicators were identified for trend tracking and analysis.

Category	Indicator
Economic outcomes	Admission of permanent resident (PR) by intended occupation (NOC)
Economic outcomes	Unemployment/employment/ participation rates
Housing	Housing tenure (renters vs. owners)
Education	Highest level of education
Education	Field of study for international students
Education	Field of study for the immigrant population
Education	Number of international students by postsecondary institute
Immigrant characteristics	Admission of PR by country of citizenship
Immigrant characteristics	Gender of international in-migrants
Immigrant characteristics	Age at landing
Immigrant characteristics	Admission of PR by language spoken (mother tongue)
Immigrant characteristics	Study permit holder by language spoken (mother tongue)
Immigrant characteristics	Work permit holder by language spoken (mother tongue)
Immigrant characteristics	PR by immigration stream and language
Immigrant characteristics	PR by immigration stream and family status
Immigrant characteristics	PR by country of citizenship
Immigration system	Study permit holders by country of citizenship
Immigration system	Work permit holders by country of citizenship
Income	Percentage of low income cut-offs after tax (LICO-AT)
Income	Median and average total income by immigration status and time frame
Income	Median and average employment income by immigration status and time frame
Income	Median and average household income
Retention	Immigrant mobility – retention rates by years since admission
SPOs	Settlement service clients by service type

About Northern Policy Institute

Northern Policy Institute is Northern Ontario's independent think tank. We perform research, collect and disseminate evidence, and identify policy opportunities to support the growth of sustainable Northern Communities. Our operations are located in Thunder Bay, Sudbury, and Kirkland Lake. We seek to enhance Northern Ontario's capacity to take the lead position on socio-economic policy that impacts Northern Ontario, Ontario, and Canada as a whole.

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