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New Brunswick Institute for Research, Data and Training

Graduate Retention in New Brunswick

2019 and 2020 Cohort Update

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Project Title

Graduate retention in New Brunswick: 2019 and 2020 cohort update

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Abbreviations and Definitions

CCNB	Collège communautaire du Nouveau-Brunswick
EECD	Education and Early Childhood Development
MHEC	Maritime Provinces Higher Education Commission
MTA	Mount Allison University
NBCC	New Brunswick Community College
NBCCD	New Brunswick College of Craft and Design
STU	St. Thomas University
UdeM	Université de Moncton
UNB	University of New Brunswick

Executive Summary

This report is the first in a series of annual updates on post-secondary graduates' retention in New Brunswick (NB) that will be released by the New Brunswick Institute for Research, Data and Training (NB-IRDT) each year. These reports provide an overview of NB graduates' retention patterns since the previous reporting period, and these periodic updates on graduates' retention trends can help guide public policy discussions around education and training strategies to attract youth to study, work, and live in NB.

The current study, which looks at 2019 and 2020 graduate cohorts, updates the graduate retention results published by Bhuiyan et al. (2021), which considered individuals who graduated as recently as 2018. However, two changes in methodology used in this report mean that results presented here are not directly comparable to the previous results (Bhuiyan et al., 2021).

- The first change is that in this report, the data on university graduates come from the Maritime Provinces Higher Education Commission (MPHEC), rather than the universities themselves. Though graduation numbers are very close between the two sources, data matching rates are lower with the new source.

- Second, a more conservative definition of retention is adopted in this report, whereby changes in Medicare status prior to an individual's graduation date are used to assess retention post-graduation.

These methodological changes are discussed in more detail below, but the net result is that estimated retention rates in this report are somewhat lower than comparable results in the previous report. We therefore present the full historical series of retention rates so that changes over time can be assessed using a consistent methodology.

Highlight of Findings

Matching Rates

The matching rate shows the proportion of graduates whose education data could be matched to Medicare records. Unmatched graduates are mostly students from other provinces who are not eligible for Medicare while studying; this group most likely includes students who came to NB to study but left the province soon after graduation. This unmatched group of students from other provinces is a vital component of overall graduate retention, along with students eligible for Medicare while studying (i.e., NB residents and students from outside Canada).

- The matching rates for graduates from publicly funded post-secondary universities increased in both 2019 and 2020 when compared to the rate in 2018.

- These increases can be attributed to a higher proportion of matched university graduates who are originally from outside Canada for the 2019 (74.8%) and 2020 (76.1%) cohorts compared to 2018 (69.2%). This increase also might have contributed to the increased retention rates of graduates.

- Note that the matching rate for graduates from outside Canada could be as high as that of graduates from NB since international students have been eligible for Medicare since 2017. However, some of these graduates may remain unmatched due to technical errors, such as missing or mismatched information (name, date of birth, and sex) resulting in the underestimation of the retention rates for graduates from outside Canada.

- The matching rates of publicly funded college graduates slightly increased in 2019 compared to the corresponding value in 2018 then dropped below 2018 levels in 2020.

Retention Rates

- The 1-year retention rates for 2019 and 2020 graduate cohorts continue to be higher for college graduates than for university graduates. Similarly, in the case of 3-year retention rates, college graduates exhibit higher rates than those of university graduates.

- The 1-year retention rates for female university and college graduates continue to be higher than those of male graduates for both 2019 and 2020 cohorts.

- Among university graduates who originally resided in NB, the highest 1-year retention rates for the 2020 cohort are for UNB graduates. However, the highest 3-year retention rates (2017 and 2018 cohorts) are for UdeM graduates.

- Among university graduates originally from outside Canada, UdeM (2020 cohort) has the highest 1-year retention rate. Both UdeM and STU have the highest 3-year retention rates for graduates from outside Canada for both 2017 and 2018 cohorts.

- STU exhibits the highest 1-year retention rate for university graduates from provinces outside NB (2020 cohort).

- CCNB graduates originally from NB have the highest 1-year retention (2020 cohort) and the highest 3-year (2017 and 2018 cohorts) retention rates among college graduates.

- University graduates from nursing programs have the highest 1-year retention rates for both 2019 and 2020 cohorts. Among college graduates, education and personal support graduates have the highest 1-year retention rates for 2019 and 2020 cohorts.

- UdeM graduates exhibit the highest 1-year retention rates among university graduates in 2019 and 2020, respectively. NBCC has the highest 1-year retention rates among college graduates in both 2019 and 2020.

Introduction

This report updates earlier work undertaken by the New Brunswick Institute for Research, Data and Training (NB-IRDT) on post-secondary graduates' retention in New Brunswick (NB) using more recently available data. The baseline report for this study is Bhuiyan et al. (2021), which uses matched administrative data from the NB university and college registrars and the Citizen Data holdings on NB-IRDT's secure platform.

The current study updates findings by Bhuiyan et al. (2021) by adding two additional years of data (2019 and 2020) to the analysis, as well as by using university graduate data from the Maritime Provinces Higher Education Commission (MPHEC) rather than from the universities themselves. This report also uses a longer range of graduation data from the publicly funded community colleges.

Data and Methodology

Data

This report considers the retention of graduates from the same universities and colleges as included in Bhuiyan et al. (2021). However, we use university graduate data from the MPHEC, which combines the four universities[1] into one data source, rather than using the university data sources individually, as was done in Bhuiyan et al. (2021).

We note two main changes between this report and Bhuiyan et al. (2021). One is that the MPHEC data do not include students from UNB's Humber College in Ontario, unlike the UNB data used in Bhuiyan et al. (2021). The other is that there are no "Unknown" sex records in the MPHEC data, whereas Bhuiyan et al. (2021) did include some graduates with "Unknown" sex records.

The NBCC, CCNB, and NBCCD data sets used in this report come directly from those colleges, which is similar to Bhuiyan et al. (2021). However, the data sources in this report have an expanded data range compared to those in Bhuiyan et al. (2021), as shown in Table 1. Our analysis only includes years for which the educational institutions collected 12 full months (one calendar year) of data.

[1] The four universities are Mount Allison University (MTA), St. Thomas University (STU), Université de Moncton (UdeM), and the University of New Brunswick (UNB).

Table 1: Institutions and Data Ranges from This Report and from Bhuiyan et al. (2021)

Institution	This Report	Bhuiyan et al. (2021)
UNB	2010-2020	2010-2018
UdeM	2010-2020	2010-2018
MTA	2010-2020	2014-2018
STU	2010-2020	2014-2018
NBCC	2014-2020	2017-2018
CCNB	2014-2020	2017-2018
NBCCD	2016-2020	2017-2018
Data ranges are in calendar year		

We also use NB-IRDT's Citizen Data holdings, which are used and described in Bhuiyan et al. (2021). However, we expand the data range in this report to include registered residents up to December 31, 2021.

Methodology

This report uses much of the same methodology as Bhuiyan et al. (2021).

Like Bhuiyan et al. (2021), this report assumes that an individual's NB Medicare status identifies whether they remained in the province and the duration of their stay in NB. A graduate's departure from the province is determined by the date of termination of their active Medicare status in the Citizen Data.[2] "Matched" individuals (i.e., graduates with Medicare information) are considered to be retained if they have an Active Medicare Registration in NB 1 year, 3 years, 5 years, or 10 years after the date of graduation – otherwise, they are considered to have left the province on or prior to the date of termination of an active Medicare status. "Unmatched" individuals (i.e., graduates with no Medicare information) are also assumed to have left the province.

To the extent that our methodologies differ from those of Bhuiyan et al. (2021), we describe those changes here. While individuals are "Matched" or "Unmatched" using the same methodology as Bhuiyan et al. (2021), the match rates for university students are slightly lower when MPHEC data are used in this report.

We calculate retention, or "retained" individuals, using the methodology specified in Bhuiyan et al. (2021) with one change. In that report, individuals were considered to have left NB if there

[2] Persons living in NB are extremely likely to have registered with NB Medicare, as this government program covers the cost of many medical expenses. Therefore, we assume that individuals residing in NB will appear in the Medicare registry (i.e., Citizen Data).

was a termination in Medicare registration after the individual's graduation date. In the current report, active Medicare status after graduation is used to determine retention, and if that is not present, the individual is assumed to have left NB.

For most of the data, this change has no effect, but there is one group whose status changes because of the change in methodology – specifically, the relatively small number of individuals whose Medicare status terminates prior to their date of graduation.

Since it is likely that these individuals departed the province prior to their official graduation date (and either returned to graduate or graduated *in absentia*), they are more appropriately treated as departures from NB. The net effect of both changes is a small reduction in retention rates compared to what was reported in Bhuiyan et al. (2021).

We thus present the full historical series of retention rates so that changes over time can be assessed using a consistent methodology. The counts and rates are in calendar year for all graduating cohorts.

Counts presented throughout this report are randomly rounded to base 5 to protect confidentiality of small sample sizes.

Results

Total

Counts with Matching Rates

The matching rates for individuals who graduated from publicly funded post-secondary universities in both 2019 and 2020 (77.0% and 77.6%) are marginally higher than the corresponding value in 2018 (76.6%), as shown in Table 2.

Table 2: Annual Distribution of Matched University Graduates in NB (2019-2020)

Graduation Year	Total Graduates	Matched Graduates	Matching Rate
2010	4,405	3,340	75.8%
2011	4,390	3,330	75.9%
2012	4,405	3,330	75.6%
2013	4,580	3,425	74.8%
2014	4,365	3,175	72.7%
2015	4,355	3,265	75.0%

2016	4,270	3,105	72.7%
2017	4,145	3,120	75.3%
2018	3,865	2,960	76.6%
2019	3,935	3,030	77.0%
2020	4,040	3,135	77.6%
Overall	**46,755**	**35,215**	**75.3%**

In contrast, the matching rates for publicly funded college graduates increased slightly in 2019 (94.5%) compared to 2018 (93.5%) before falling to 92.9% in 2020, as shown in Table 3.

Table 3: Annual Distribution of Matched College Graduates in NB (2019-2020)

Graduation Year	Total Graduates	Matched Graduates	Matching Rate
2014	3245	3020	93.1%
2015	3025	2780	91.9%
2016	3075	2840	92.4%
2017	3260	3040	93.3%
2018	3310	3095	93.5%
2019	3210	3035	94.5%
2020	22530	20940	92.9%
Overall	**22530**	**20940**	**92.9%**

Table 4 exhibits the matching rates disaggregated by the previous residence of university and college graduates (i.e., residence before enrollment). The results indicate a notable increase (by approximately 5 percentage points) in matching rates for university graduates who are originally from outside Canada for both 2019 and 2020 cohorts compared to 2018. This increase contributes to the overall rise of university matching rates in 2019 and 2020.

In the case of college graduates, the matching rates for graduates from outside Canada are also higher for the 2019 and 2020 cohorts compared to previous cohorts. The variability in matching rates for graduates who are originally from outside NB is due to small counts.

Note that the jump in the matching rates for both university and college graduates from outside Canada can be attributed to the issuance of Medicare to international students from 2017 onwards. However, the matching rate for graduates from outside Canada is not as high as that of graduates from NB even though these students are eligible for provincial Medicare. This may be due to some students not switching to Medicare and/or relying on a campus health clinic, and then leaving the province shortly after graduation. However, other graduates may be unmatched because of technical errors, such as missing information or information that is not reported consistently across both datasets (name, date of birth, and sex) even though they are

actually residing in NB after graduation. This may result in an underestimation of the retention rates for graduates from outside Canada.[3]

It is also to be noted that a large majority of unmatched individuals are Canadian students from other provinces who are not eligible for NB Medicare while enrolled, and many return to their province of origin after graduation.

Table 4: Matching Rates of University and College Graduates by Previous Residence

Graduation Year	University			College		
	New Brunswick	Outside Canada	Provinces Outside NB	New Brunswick	Outside Canada	Provinces Outside NB
2010	95.2%	40.2%	28.8%	NA	NA	NA
2011	95.2%	50.6%	26.6%	NA	NA	NA
2012	95.8%	48.5%	27.1%	NA	NA	NA
2013	95.9%	42.4%	25.8%	NA	NA	NA
2014	96.1%	38.1%	25.7%	94.7%	81.8%	46.2%
2015	96.8%	45.7%	28.2%	94.1%	78.8%	30.8%
2016	96.4%	42.6%	26.1%	95.7%	75.0%	21.4%
2017	98.3%	53.0%	26.5%	97.2%	72.2%	27.8%
2018	98.1%	69.2%	28.6%	97.4%	80.9%	21.1%
2019	97.0%	74.8%	26.4%	97.8%	84.3%	30.8%
2020	98.0%	76.1%	22.5%	97.2%	84.1%	11.8%
Overall	**96.5%**	**53.4%**	**26.6%**	**96.3%**	**81.0%**	**26.2%**

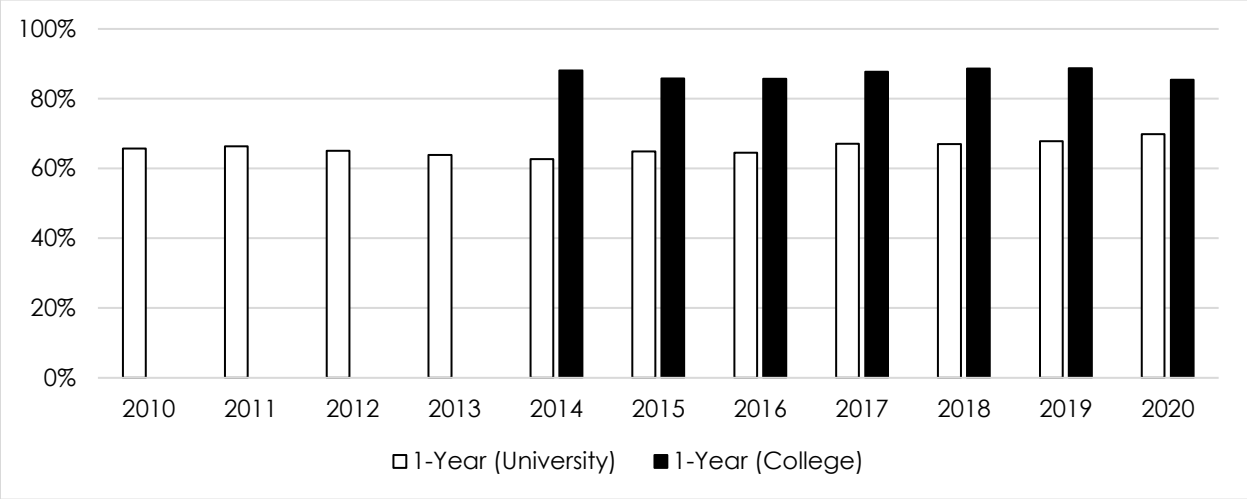
1-Year Retention Rates

The 1-year retention rate for university graduates increased by almost 2 percentage points for the 2020 graduating cohort compared to the corresponding figure in 2019, which is also slightly higher than the retention rate in 2018 (67.0%), as shown in Figure 1.

The retention rates for college students graduating in 2019 and 2020 continue to be higher than those of university graduates in the same years. The 1- year retention rate for 2019 college graduates (91.1%) rose slightly compared to the 2018 cohort (90.0%) but declined for the 2020 cohort (88.3%), as shown in Figure 1. Table 13 and Table 14 in the Appendix show the corresponding data.

[3] For example, the matching rates for CCNB graduates who are originally from outside Canada is about 6-8 percentage points lower than those of NBCC. This difference in the matching rates may contribute to the lower retention rates for CCNB graduates from outside Canada as opposed to NBCC graduates.

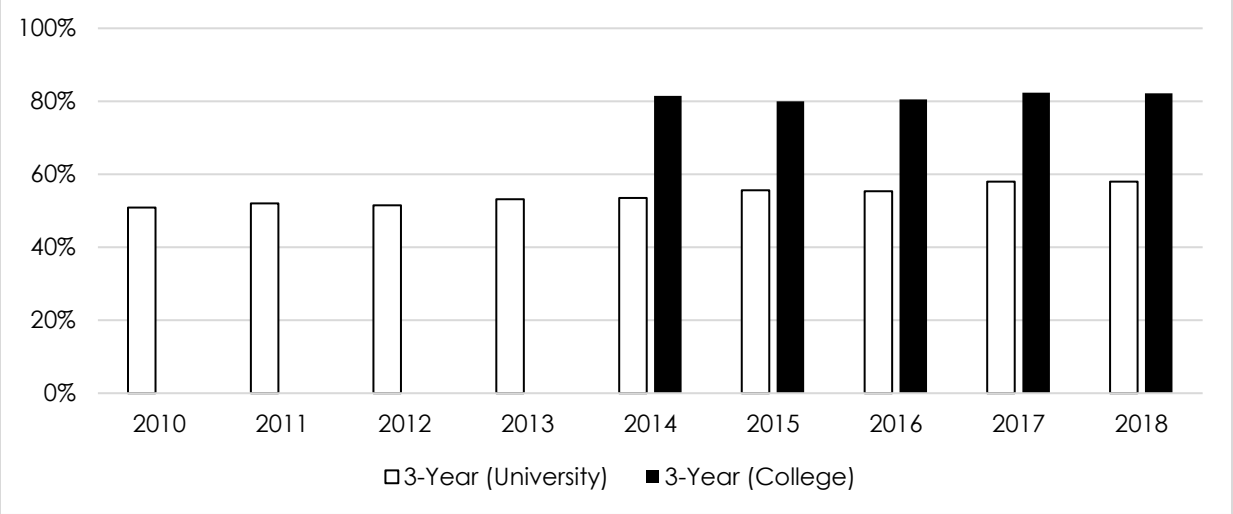
Figure 1: 1-Year Retention Rates of College and University Graduates



3-Year Retention Rates

3-year retention rates for college graduates continue to be higher than those of university graduates in the 2018 cohort. For both college and university graduates, the 3- year retention rates were virtually unchanged for 2018 cohort when compared to 2017, as shown in Figure 2.

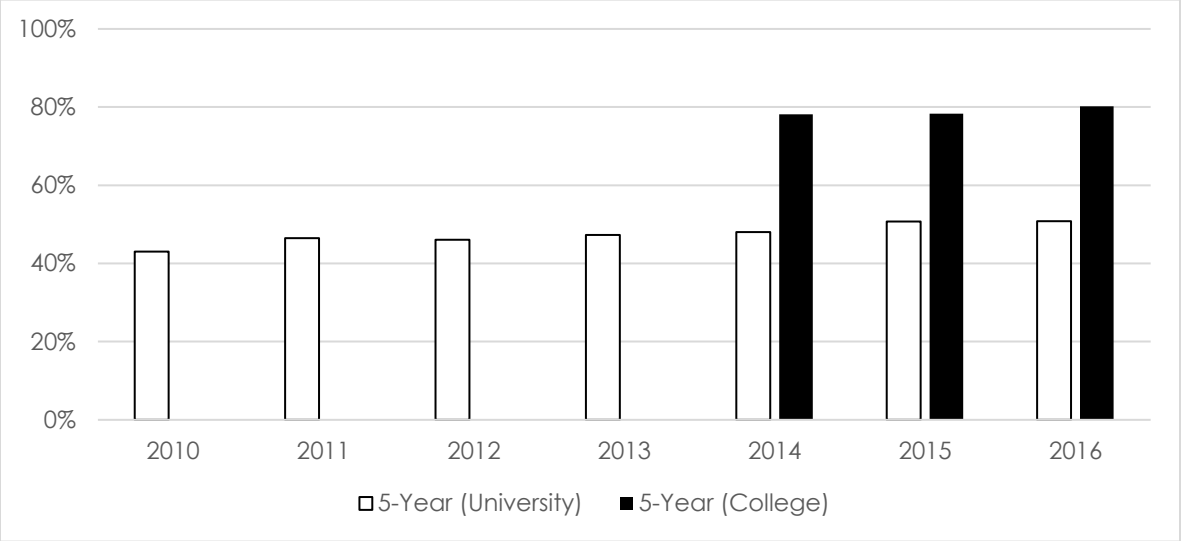
Figure 2: 3-Year Retention Rates of College and University Graduates



5-Year Retention Rates

The 5-year retention rate for university graduates from the 2016 cohort is almost unchanged compared to 2015. For college graduates, the 5-year retention rate for the 2016 cohort increased by 2 percentage point compared to 2015, as shown in Figure 3.

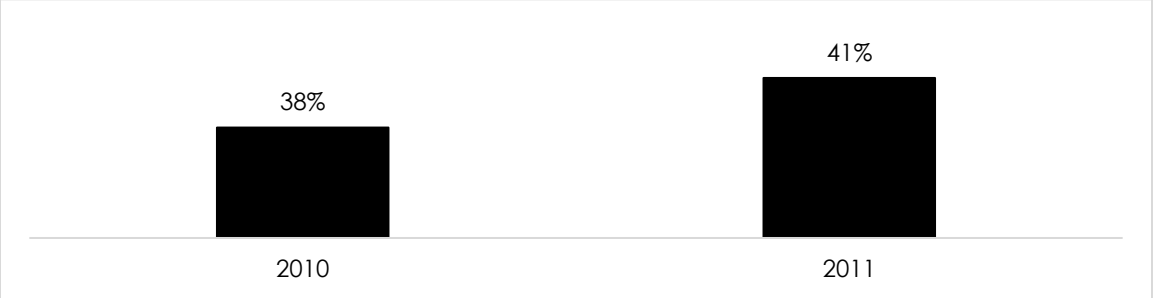
Figure 3: 5-Year Retention Rates of College and University Graduates



10-Year Retention Rates

The 10-year retention rate for university graduates rose to approximately 3 percentage points for the 2011 cohort when compared with 2010, as shown in Figure 4.

Figure 4: 10-Year Retention Rates of University Graduates



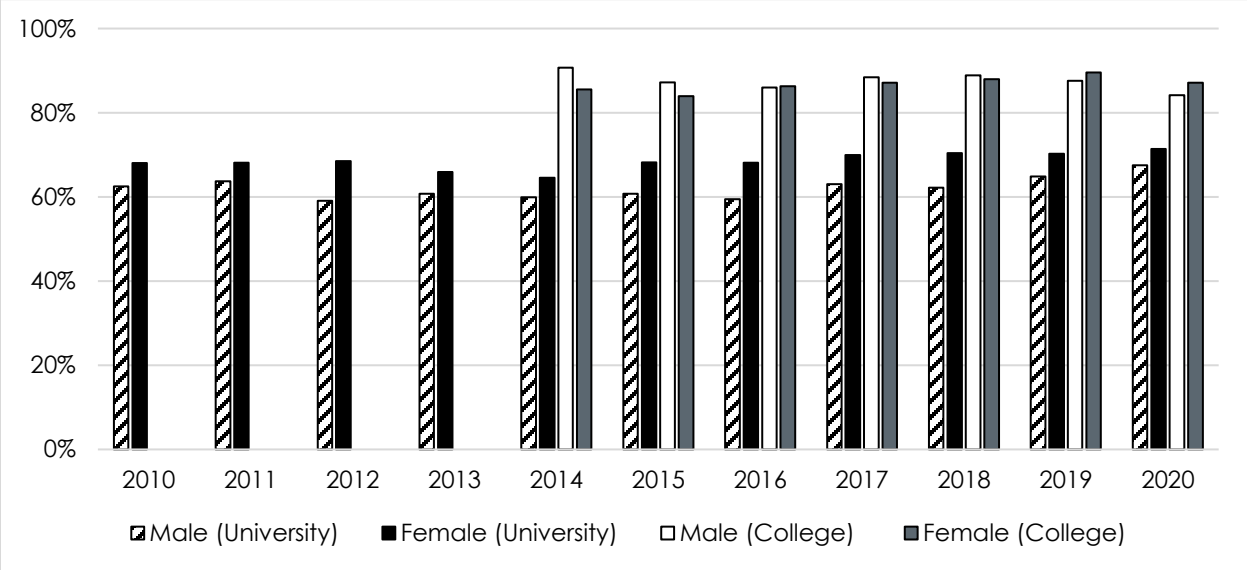
By Sex

1-Year Retention Rates

The 1-year retention rates for female university graduates continue to be higher than those of male university graduates for both 2020 and 2019 cohorts.

The 1-year retention rates for male university graduates rose for both 2019 (64.8%) and 2020 (67.5%) cohorts when compared with those graduating in 2018 (62.2%). On the other hand, the 1-year retention rate for female college graduates remained stable for both 2019 (70.2%) and 2020 cohorts (71.4%) when compared with 2018 (70.4%), as shown in Figure 5. Table 15 in the Appendix shows the corresponding data.

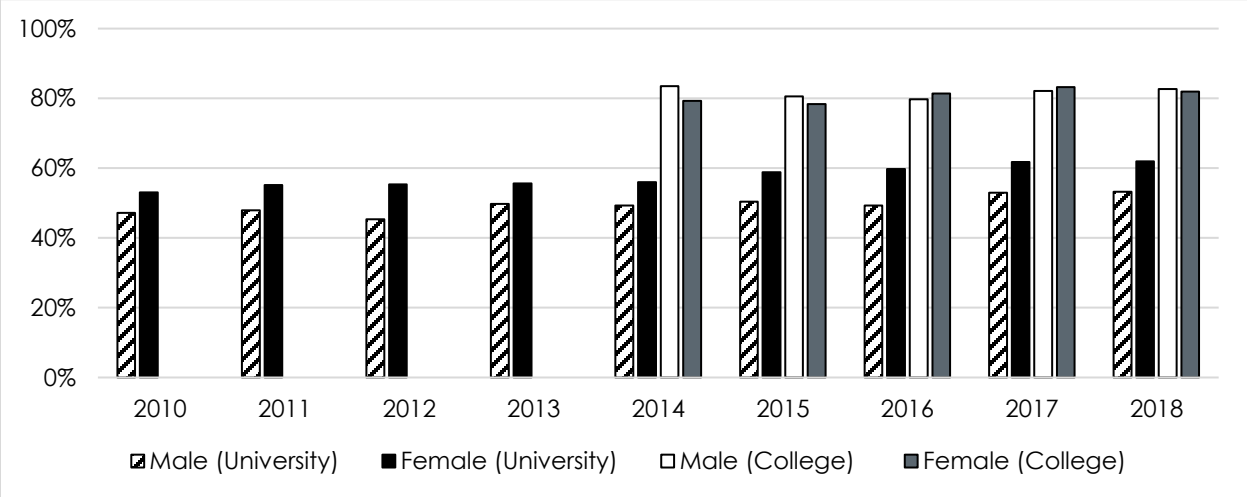
Figure 5: 1-Year Retention Rates of University and College Graduates by Sex



3-Year Retention Rates

There was no noticeable change in the 3-year retention rates by sex between the 2018 and 2017 cohorts, as shown in Figure 6. Table 16 in the Appendix shows the corresponding data.

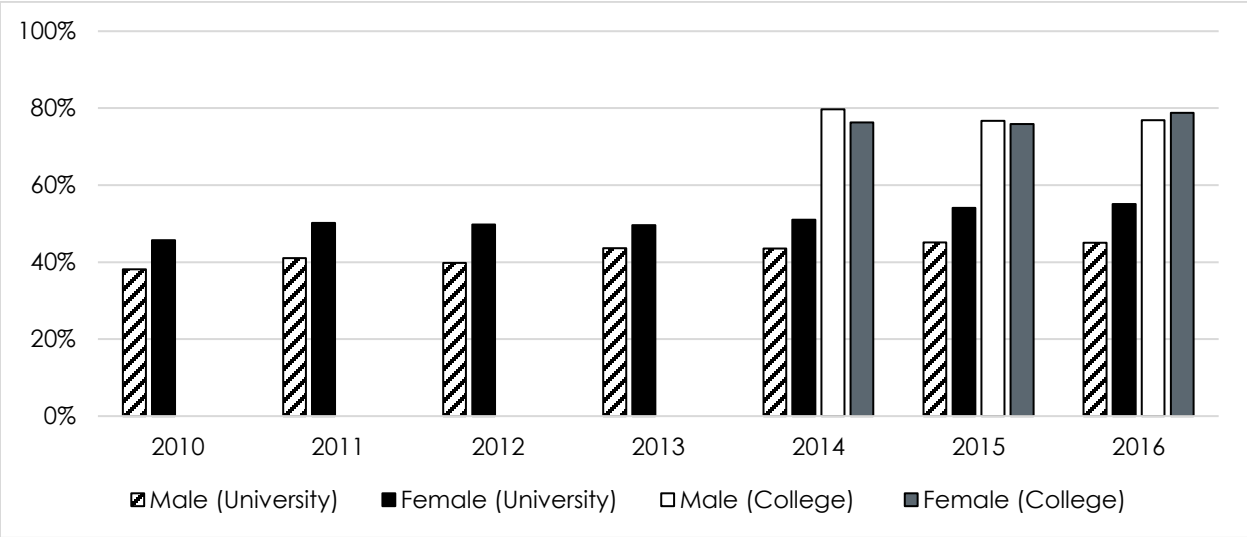
Figure 6: 3- Year Retention Rates of University and College Graduates by Sex



5-Year Retention Rates

An increase of 3 percentage points in the 3-year retention rate of female college graduates was observed in the 2016 cohort when compared to the 2015 cohort, as shown in Figure 7. Table 17 in the Appendix shows the corresponding data.

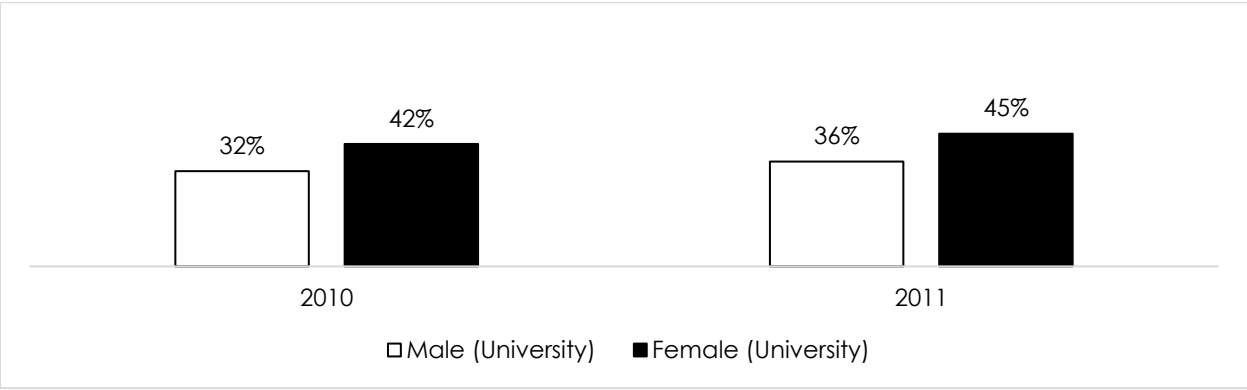
Figure 7: 5-Year Retention Rates of University and College Graduates by Sex



10-Year Retention Rates

The 10-year retention rates rose for both males and females in the 2011 cohort compared to 2010 by 4 and 3 percentage points, respectively, as shown in Figure 8. Table 18 in the Appendix shows the corresponding data.

Figure 8: 10-Year Retention Rates of University Graduates by Sex

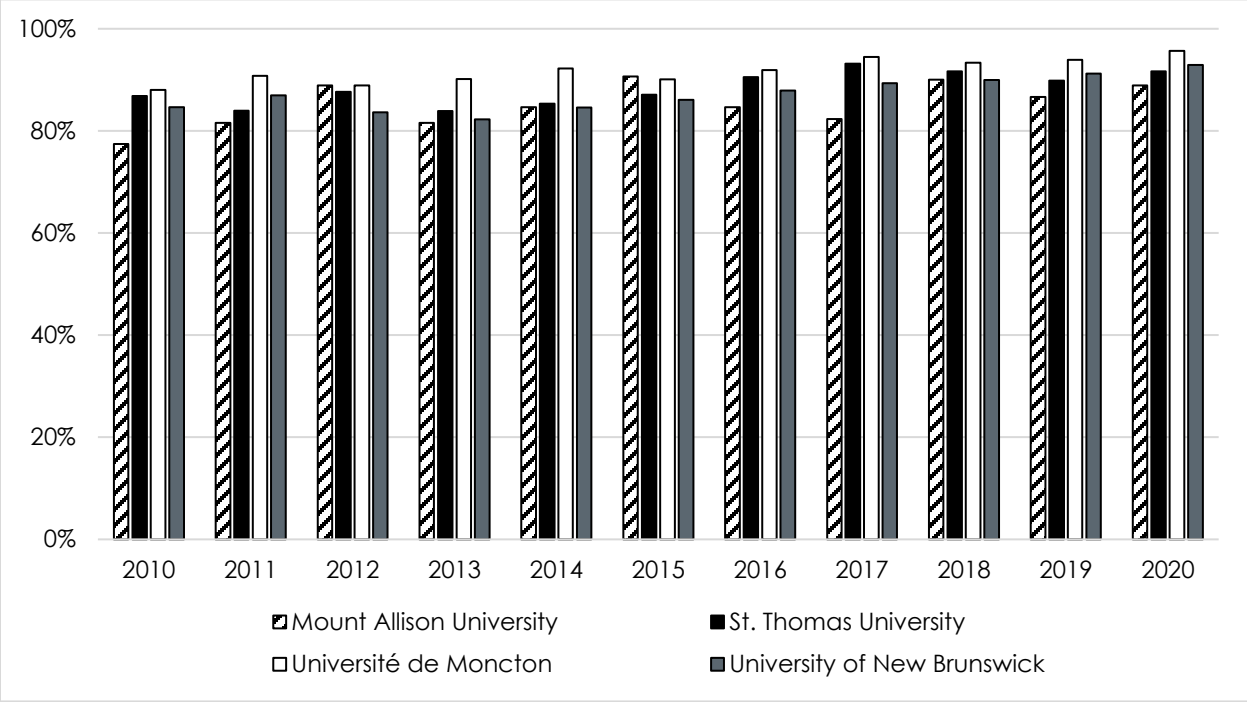


By Previous Residence

1-Year Retention Rates – University

The highest 1-year retention rates in 2020 for graduates who resided in NB prior to enrollment are for UdeM graduates (95.7%), followed by UNB graduates (92.9%) and STU graduates (91.7%). The retention rates for these two groups increased by 1.7 and 1.8 percentage points, respectively, compared to 2019, as shown in in Figure 9, but results across universities are mixed with respect to the 2018 cohort. Table 19 in the Appendix has the corresponding data, and Table 22 shows the aggregated rates (university and college) by previous residence.

Figure 9: 1-Year Retention Rates of Graduates from NB (University)

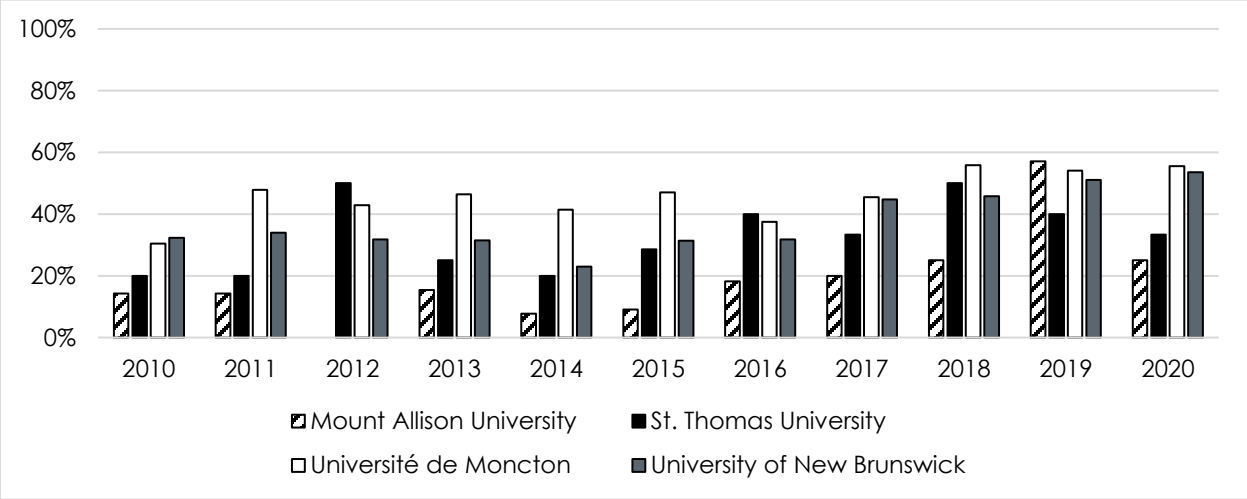


For university graduates who were residents outside Canada prior to enrollment, the highest 1-year retention rate (55.6%) of the 2020 cohort was for those graduating from UdeM, followed by those graduating from UNB (53.6%), with the two groups showing an increase in 1-year retention rate from 2019, as shown Figure 10.

The increase in retention rates for UNB graduates is notably higher in 2020 and 2019 than in previous cohorts.

Note that small underlying sample sizes for the other universities lead to increased variability in retention rates for those universities over time. Table 20 in the Appendix has the corresponding data.

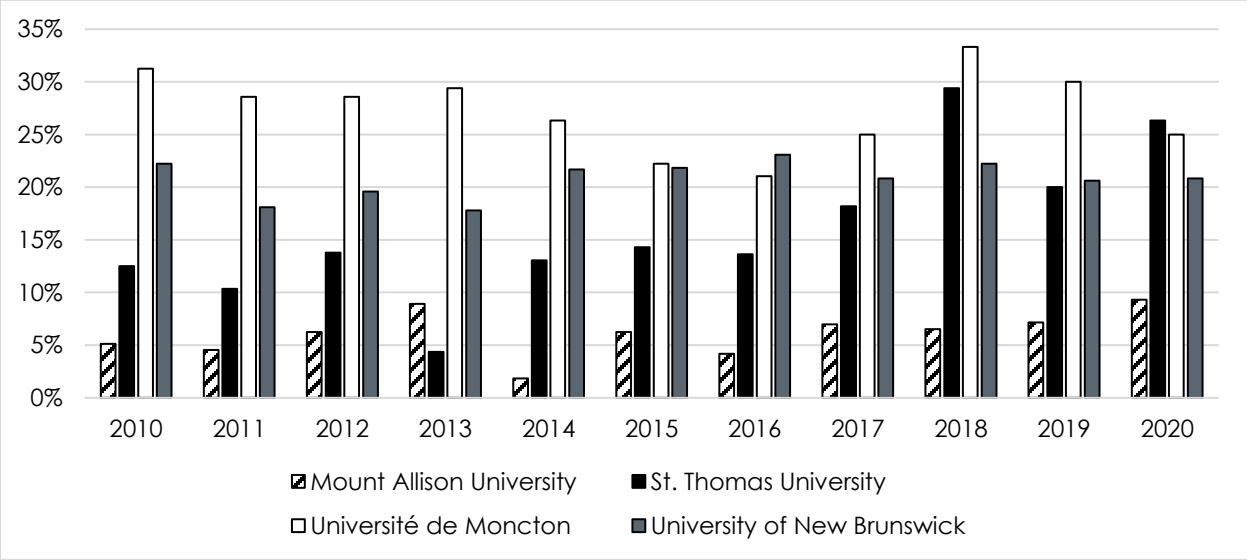
Figure 10: 1-Year Retention Rates of Graduates from Outside Canada (University)



For graduates who were resident in other provinces prior to post-secondary enrollment, STU graduates had the highest 1-year retention rate (26.3%) for the 2020 cohort. UdeM graduates from other provinces had the highest 1-year retention rate (30.0%) in 2019, as shown in Figure 11.

Note that underlying sample counts for STU and UdeM are not large. Table 21 in the Appendix shows the corresponding data.

Figure 11: 1-Year Retention Rates of Graduates from Provinces Outside NB (University)

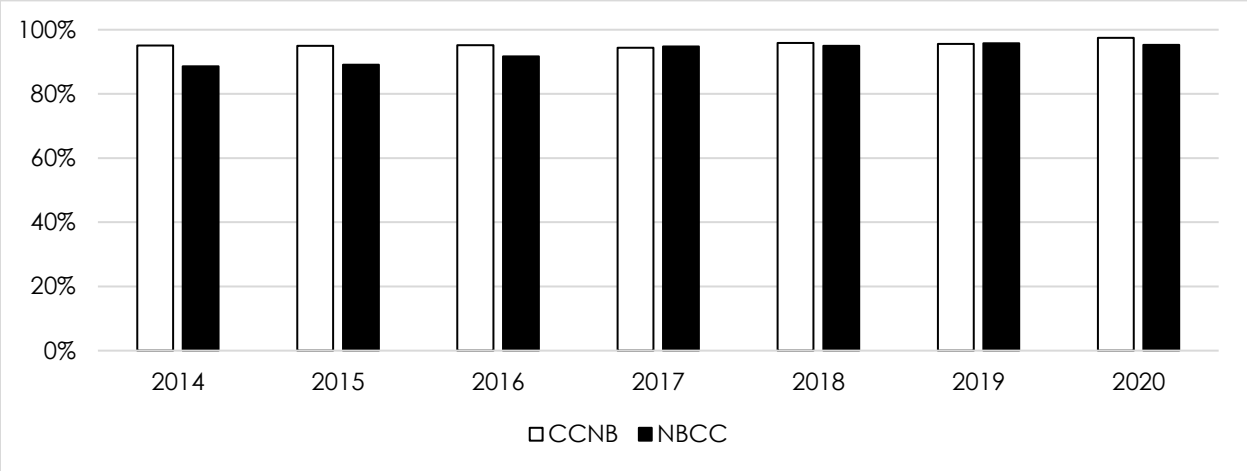


1-Year Retention Rates - College

The 2020 cohort of CCNB college graduates originally residing in NB had a 97.5% retention rate with a 1.9 percentage points increase from 2019, as shown in Figure 12. Corresponding figures for NBCC graduates are marginally lower and have been steady over time. Table 19 in the

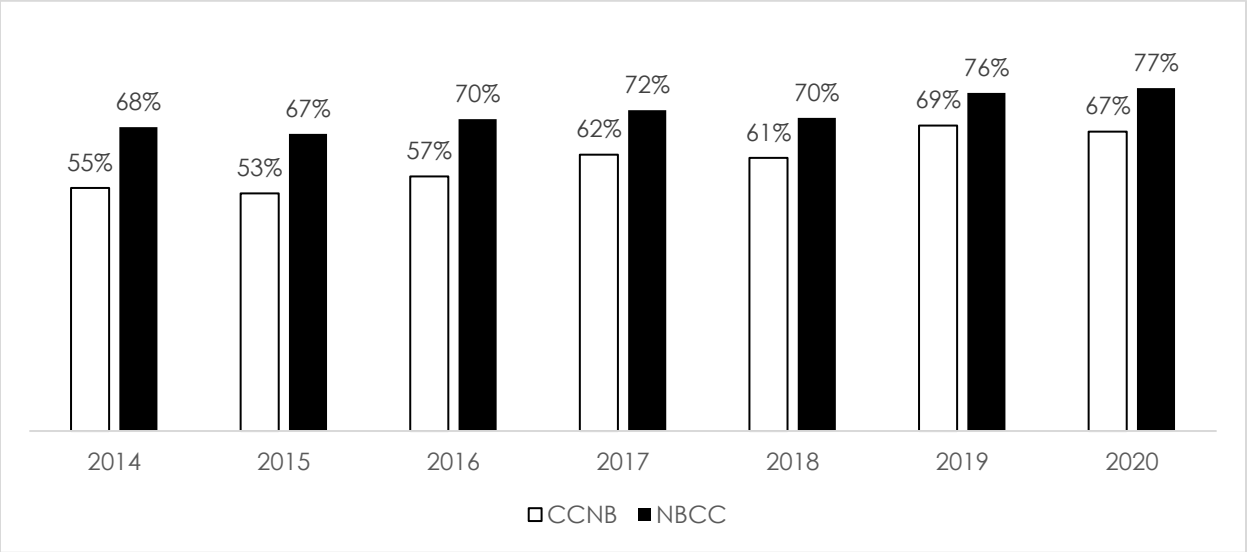
Appendix has the corresponding data, and Table 22 shows the aggregated rates (university and college) by previous residence.

Figure 12: 1-Year Retention Rates of Graduates from NB (College)



Among college graduates from outside Canada, NBCC's 2020 cohort had the highest 1-year retention rate (77.0%), as shown in Figure 13. Note that the difference in retention rates might be partially affected by the difference in the matching rates of graduates from outside Canada.[4] Table 20 in the Appendix shows the corresponding data.

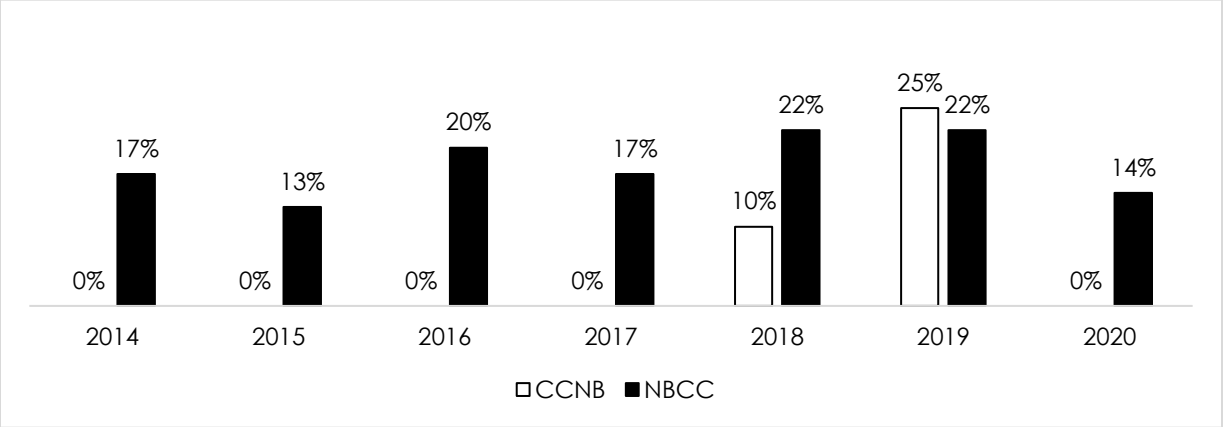
Figure 13: 1-Year Rates of Graduates from Outside Canada (College)



[4] Matching rates for CCNB graduates who are originally from outside Canada is about 6-8 percentage points lower than those of NBCC graduates.

Figure 14 shows that no CCNB graduates from provinces outside NB were retained after 1 year, apart from the 2018 (10.0%) and 2019 (25.0%) cohorts. Table 21 in the Appendix shows the corresponding data. It should be noted that underlying case counts are typically quite small.

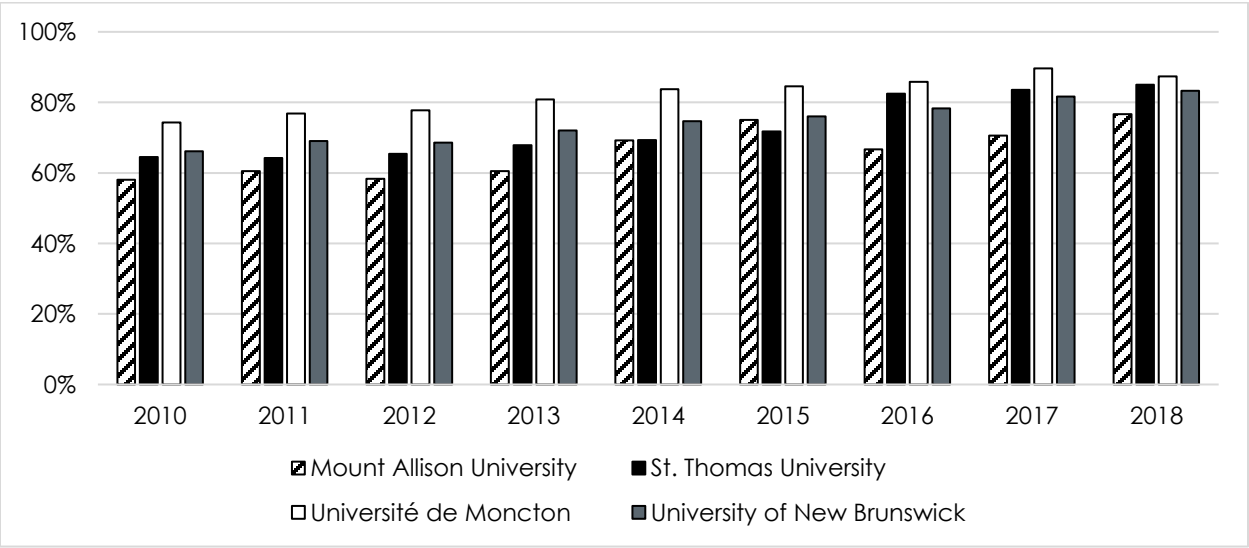
Figure 14: 1-Year Retention Rates of Graduates from Provinces Outside NB (College)



3-Year Retention Rates - University

UdeM graduates who were resident in NB prior to enrollment had the highest 3-year retention rates among NB universities in both 2017 (89.7%) and 2018 (87.4%) cohorts. MTA graduates' 3-year retention rate rose 6.1 percentage points in 2018 (76.7%) when compared with 2017 (70.6%), as shown in Figure 15. Table 23 In the Appendix shows the corresponding data, and Table 26 shows the aggregated rates (university and college) by previous residence.

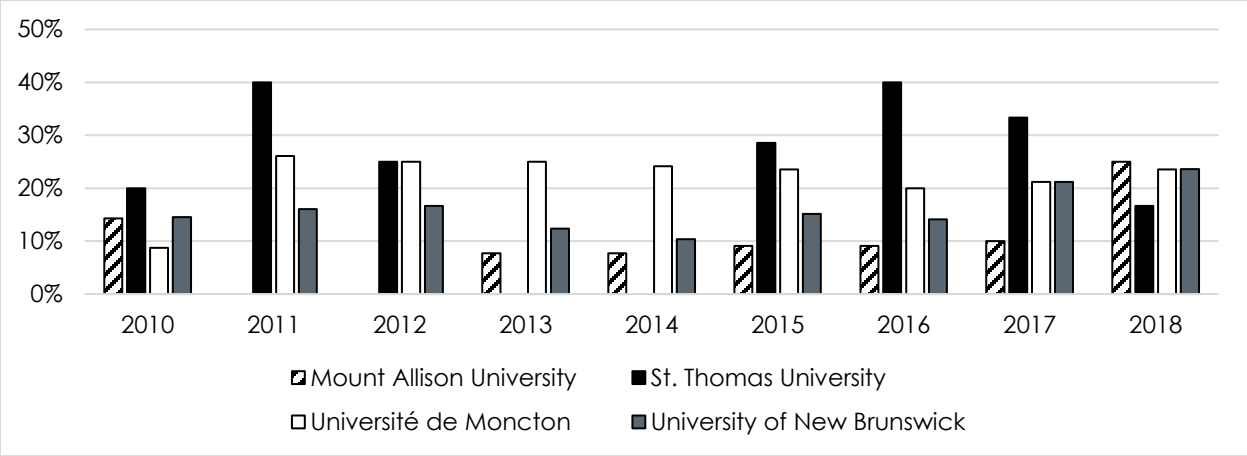
Figure 15: 3-Year Retention Rates of Graduates from NB (University)



UdeM and STU had the highest 3-year retention rates for graduates originally from outside Canada for both 2017 and 2018 cohorts. UNB graduates showed a rising trend across graduate

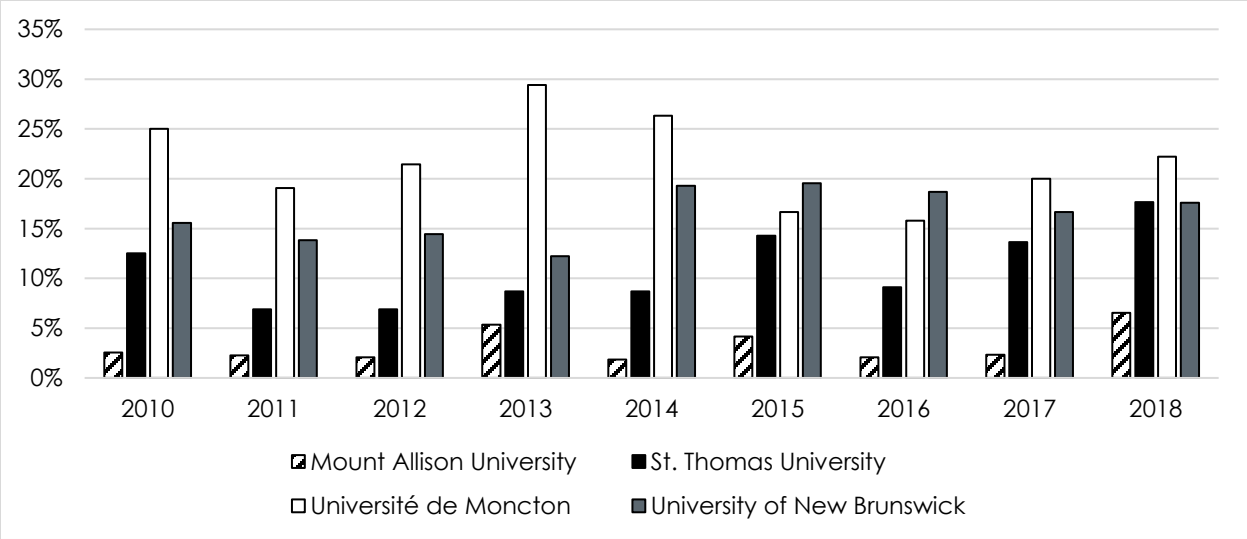
cohorts in 3-year retention rates, as illustrated in Figure 16. Table 24 in the Appendix shows the corresponding data.

Figure 16: 3-Year Retention Rates of Graduates from Outside Canada (University)



UdeM, followed by STU, had the highest 3-year retention rates for university graduates residing in provinces outside NB prior to registration in both 2017 and 2018 cohorts, with a rising trend between 2016-2018 cohorts, as shown in Figure 17. Table 25 in the Appendix shows the corresponding data.

Figure 17: 3-Year Retention Rates of Graduates from Provinces Outside NB (University)

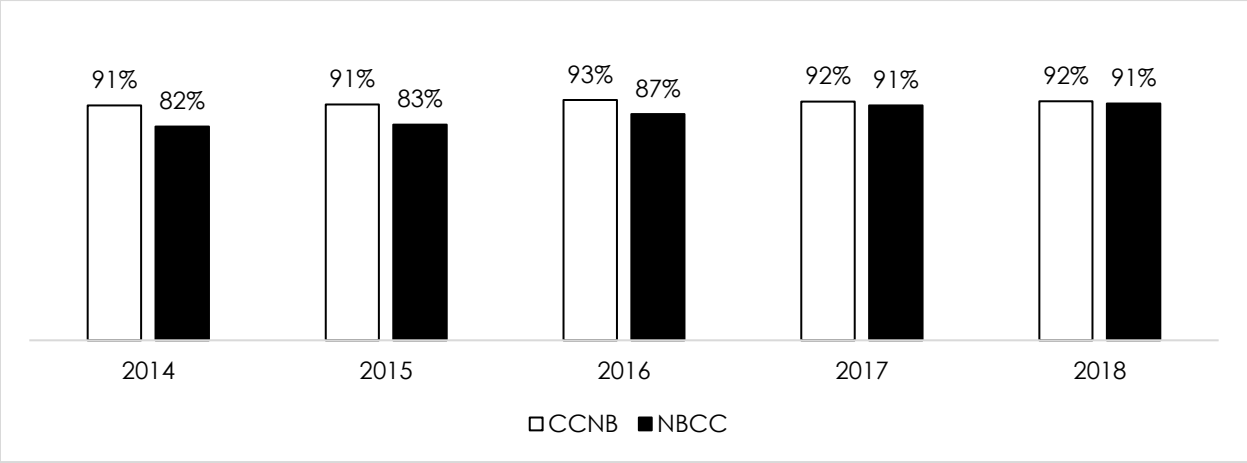


3-Year Retention Rates – College

CCNB graduates originally resident in NB had the highest 3-year retention rates for both 2017 (92.1%) and 2018 (92.2%) cohorts. The 3-year retention rates for NBCC graduates increased for both 2018 and 2017 cohorts when compared with 2016, as shown in Figure 18. Table 23 in the

Appendix shows the corresponding data, and Table 26 shows the aggregated rates (university and college) by previous residence.

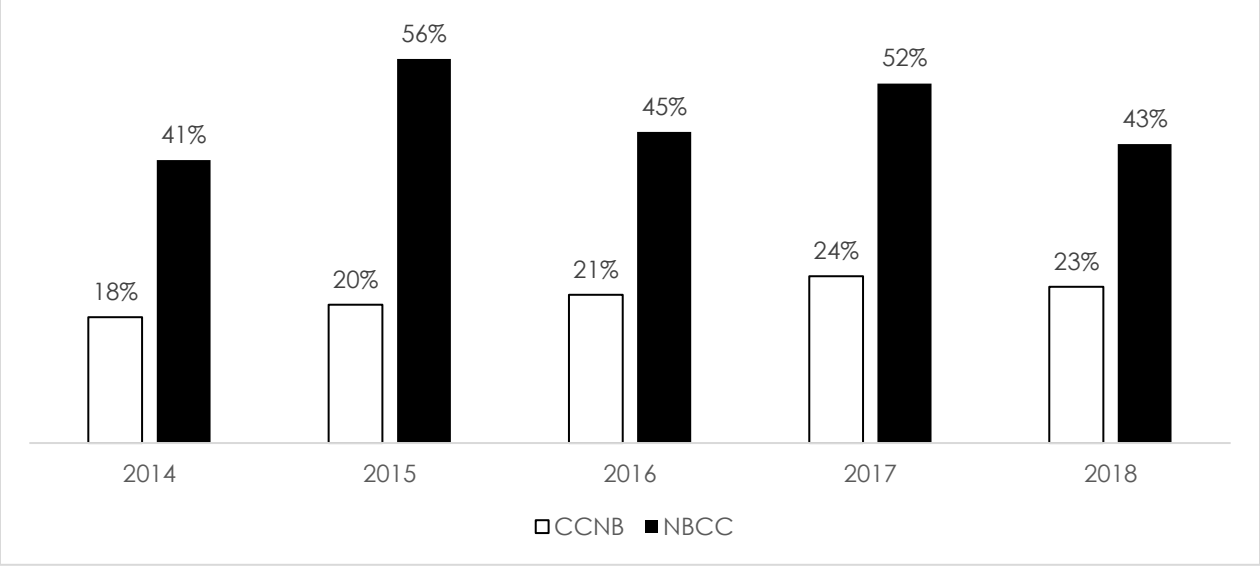
Figure 18: 3-Year Retention Rates of Graduates from NB (College)



In 2018, NBCC had the highest 3-year retention rate for graduates from outside Canada (43.2%). The 3-year retention rate for CCNB graduates was 22.6%, as shown in Figure 19. Table 24 in the Appendix shows the corresponding data. Figures not reported have been suppressed because of small sample counts.

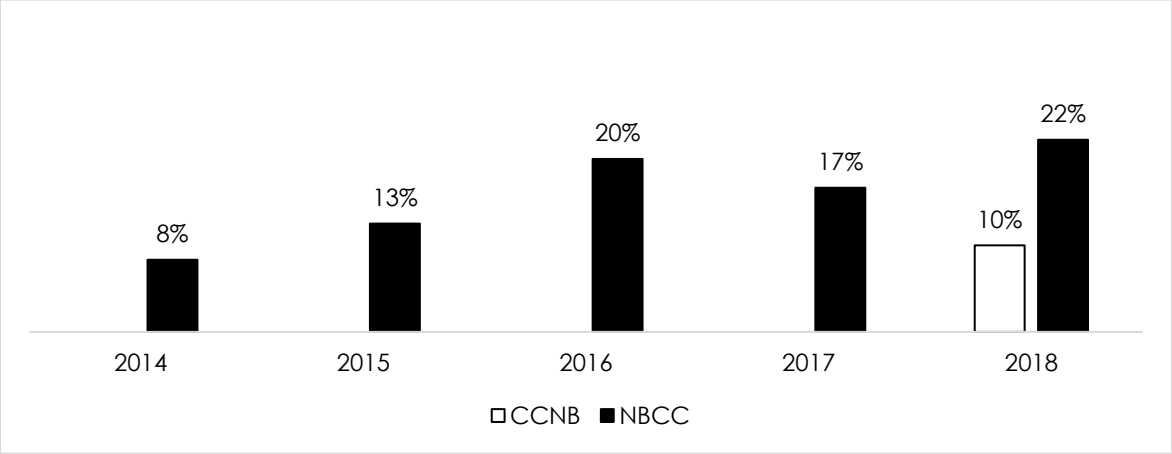
Note that the matching rates for CCNB graduates who are originally from outside Canada is about 6-8 percentage points lower than those of NBCC graduates. This difference in the matching rates has likely contributed to the lower retention rates of CCNB graduates from outside Canada compared to retention rates of NBCC graduates.

Figure 19: 3-Year Retention Rates of Graduates from Outside Canada (College)



For college graduates from a province outside NB, NBCC had the highest 3-year retention rate (22.2%) for the 2018 cohort, as shown in Figure 20. Table 25 in the Appendix shows the corresponding data. Figures not reported have been suppressed due to small sample counts.

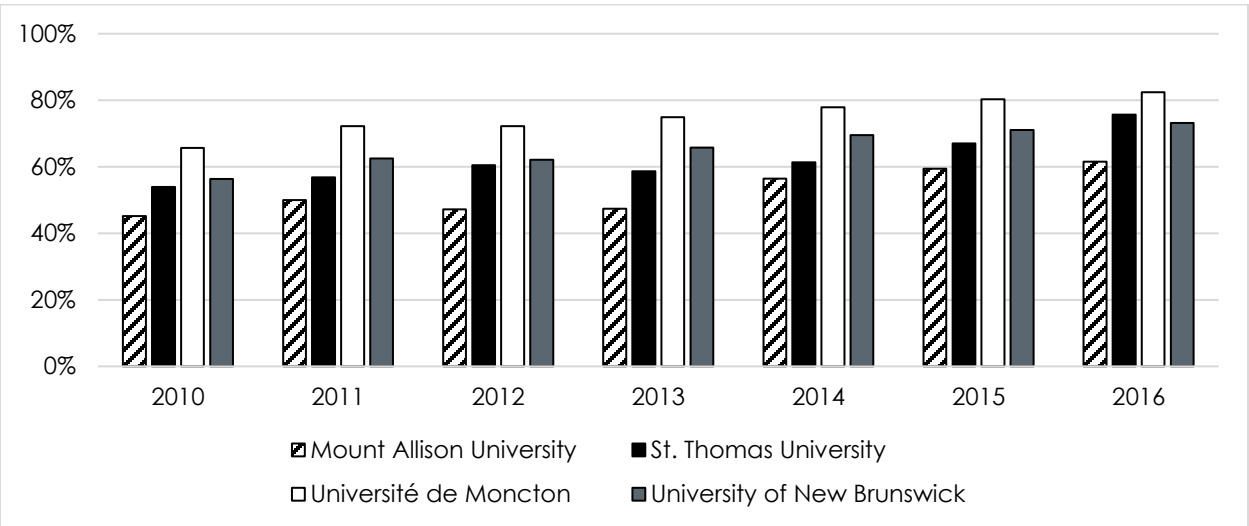
Figure 20: 3-Year Retention Rates of Graduates from Provinces Outside NB (College)



5-Year Retention Rates – University

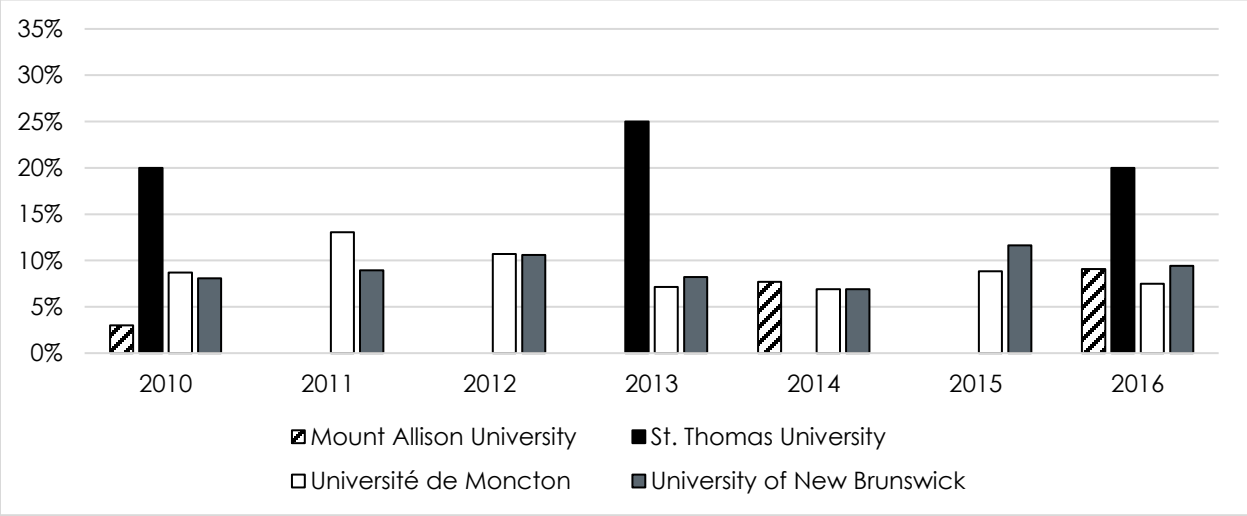
Among graduates who were resident in NB prior to enrollment, UdeM had the highest 5-year retention rate (82.4%) in 2016, with a 2.1 percentage points increase from the 2015 cohort, as shown in Figure 21. STU had an 8.6 percentage points increase in its 5-year retention rate between 2015 and 2016 graduating cohorts. This is the largest increase in 5-year retention rate among university graduates originally residing in NB. Table 27 in the Appendix shows the corresponding data, and Table 30 shows the aggregated rates (university and college) by previous residence.

Figure 21: 5-Year Retention Rates of Graduates from NB (University)



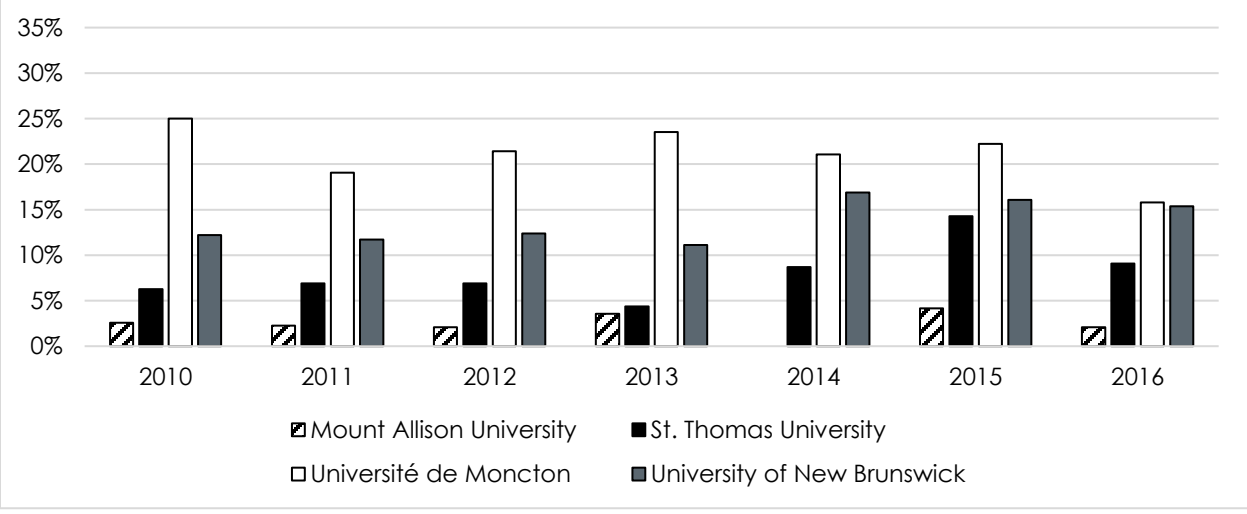
Among university graduates originally from outside Canada, the highest 5-year retention rate for 2016 cohorts is for STU (20.0%), as shown in Figure 22; though, small sample counts result in substantial variation in rates across cohorts. Table 28 in the Appendix shows the corresponding data. Figures not reported have been suppressed because of small sample counts.

Figure 22: 5-Year Retention Rates of Graduates from Outside Canada (University)



UdeM and UNB graduates from outside NB have the highest 5-year retention rates for 2016 and 2015 cohorts. Meanwhile, the 5-year retention rate for UdeM graduates cohort from outside NB fell by 6.4 percentage points in 2016. The retention rate for STU graduates from outside NB also dropped by 5.2 percentage points in 2016, as shown in Figure 23. Table 29 in the Appendix shows the corresponding data.

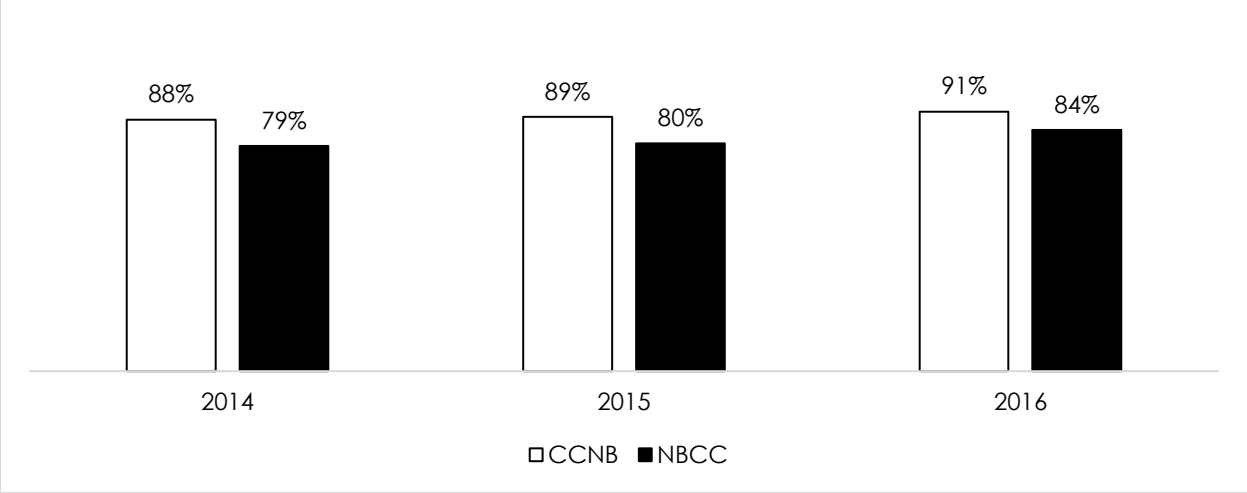
Figure 23: 5-Year Retention Rates of Graduates from Provinces Outside NB (University)



5-Year Retention Rates – College

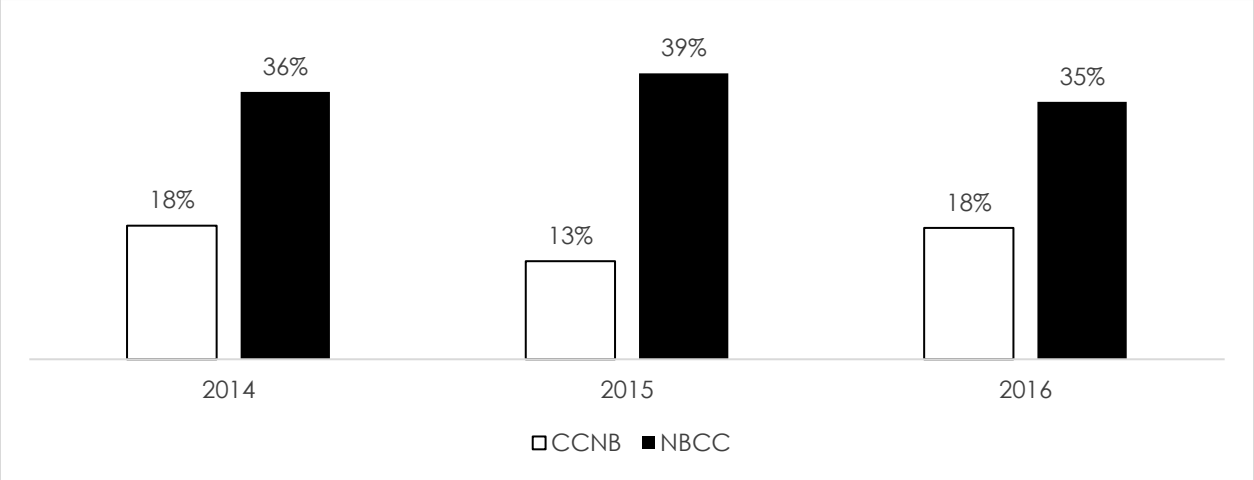
CCNB graduates originally residing in NB had the highest 5-year retention rate for the 2016 graduating cohort, as shown in Figure 24. Table 27 in the Appendix shows the corresponding data, and Table 30 shows the aggregated rates (university and college) by previous residence.

Figure 24: 5-Year Retention Rates of Graduates from NB (College)



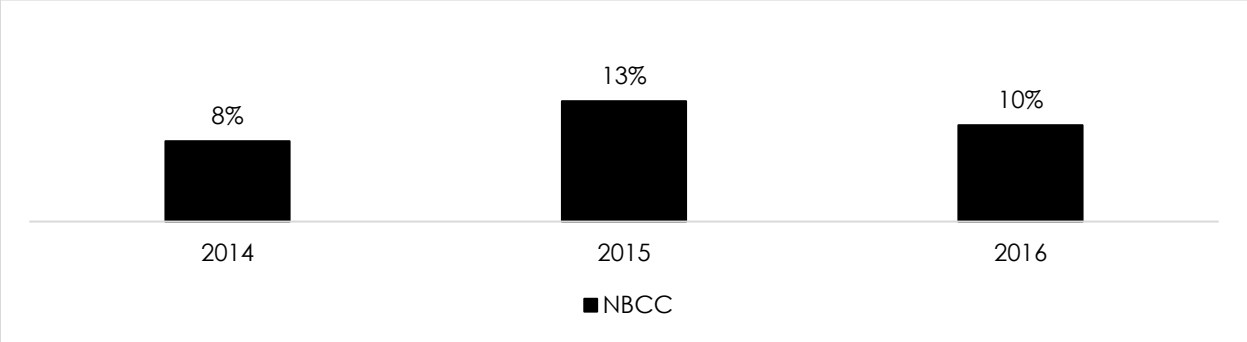
The 5-year retention rate for NBCC graduates from outside Canada dropped for the 2016 cohort by 3.9 percentage points, as shown in Figure 25. Table 28 in the Appendix shows the corresponding data.

Figure 25: 5-Year Retention Rates of Graduates from Outside Canada (College)



The 5-year retention rate for NBCC dropped by 2.5 percentage points in 2016 when compared with 2015 cohorts. Table 29 in the Appendix shows the corresponding data.

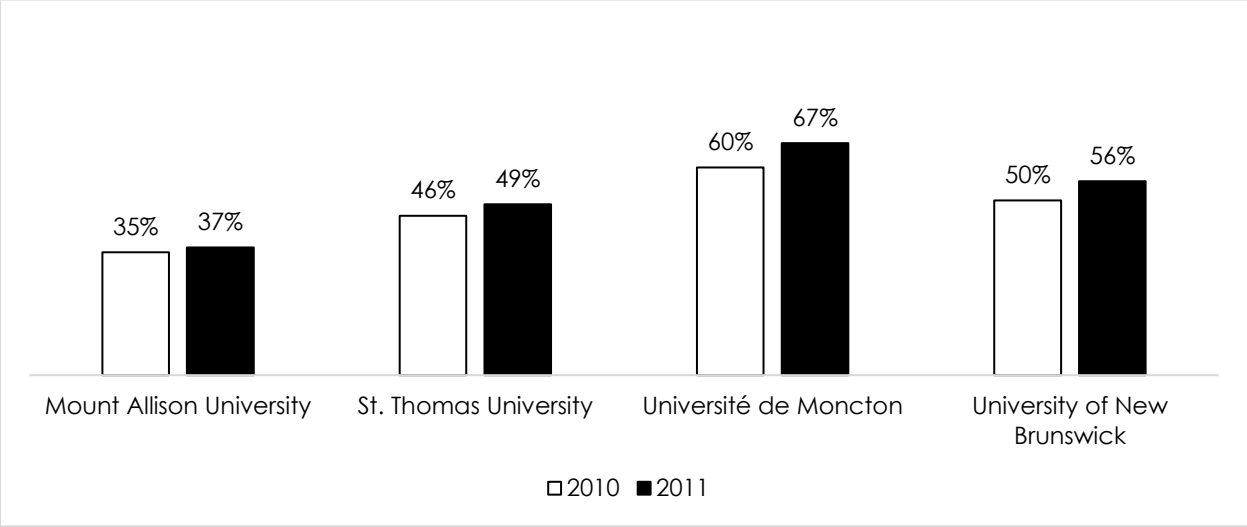
Figure 26: 5-Year Retention Rates of Graduates from Provinces Outside NB (College)



10-Year Retention Rates – University

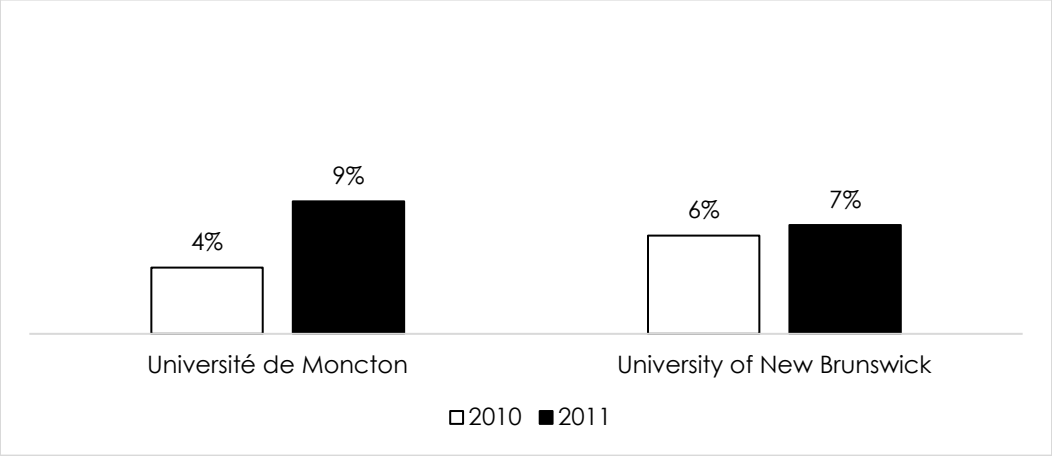
UdeM graduates from NB continued to have the highest 10-year retention rate for the 2011 cohort (67.1%), followed by UNB graduates (56.0%), with both showing a rising trend in Figure 27. Table 31 in the Appendix shows the corresponding data, and Table 34 shows the aggregated rates (university and college) by previous residence.

Figure 27: 10-Year Retention Rates of Graduates from NB (University)



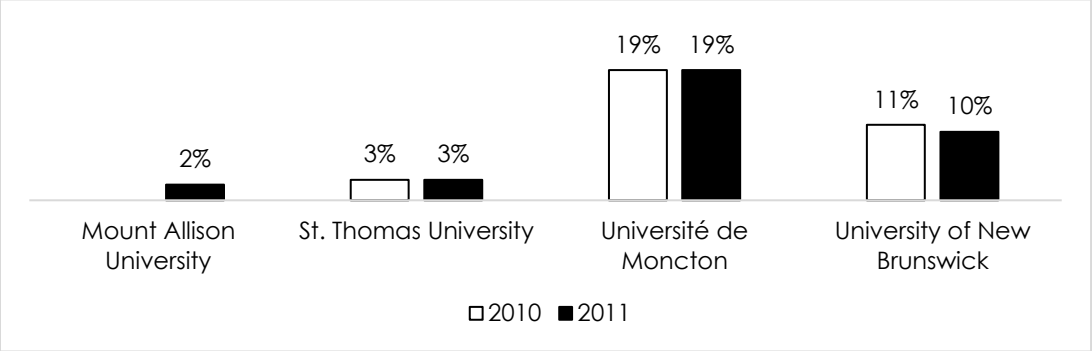
Among graduates who were originally from outside Canada, UdeM graduates had the highest 10-year retention rate of 8.7%, as shown in Figure 28. After 10 years, no graduates (from outside Canada) from either STU or MTA were retained in the province. Table 32 in the Appendix shows the corresponding data. Figures not reported have been suppressed because of small sample counts.

Figure 28: 10-Year Retention Rates of Graduates from Outside Canada (University)



For graduate from provinces outside NB, UdeM graduates also had the highest 10-year retention rate (19.1%), as shown in Figure 29. Table 33 in the Appendix shows the corresponding data.

Figure 29: 10-Year Retention Rates of Graduates from Provinces Outside NB (University)



By Field of Study

1-Year Retention Rates – University

Nursing graduates had the highest 1-year retention rates by field of study, at 93.6% and 82.2% for the 2020 and 2019 cohorts, respectively, as shown in Table 5. Education graduates and graduates from other health and related fields also had retention rates higher than graduates in other fields of study.

Table 5: 1-Year Retention Rates of Graduates by Field of Study (University)

Graduation Year	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
2010	55.1%	61.9%	77.3%	69.4%	62.5%	81.3%	65.6%	59.4%	61.4%
2011	51.6%	66.7%	73.5%	71.7%	52.9%	84.5%	65.1%	61.0%	61.9%
2012	47.8%	65.7%	76.0%	69.0%	58.8%	78.5%	62.3%	59.4%	61.0%
2013	46.8%	65.1%	72.9%	73.9%	50.0%	75.3%	60.9%	60.0%	62.7%
2014	50.0%	59.7%	70.4%	76.5%	50.0%	74.6%	64.4%	59.5%	59.0%
2015	51.3%	60.8%	72.1%	70.8%	61.5%	84.3%	64.3%	62.6%	63.1%
2016	57.0%	62.0%	67.0%	71.2%	62.1%	83.6%	60.5%	63.1%	61.4%
2017	59.5%	65.7%	68.7%	75.4%	71.4%	88.3%	64.3%	63.6%	63.7%
2018	59.7%	67.5%	63.6%	80.7%	77.8%	83.0%	67.7%	62.0%	61.5%
2019	60.0%	70.8%	68.8%	74.2%	60.7%	82.2%	72.7%	61.4%	66.7%
2020	66.2%	72.6%	65.1%	79.0%	71.9%	93.6%	70.2%	63.2%	65.0%
Overall	**55.1%**	**65.2%**	**71.0%**	**74.0%**	**63.3%**	**82.2%**	**65.2%**	**61.4%**	**62.3%**

(1) **Architecture, engineering, and related technologies**
(2) **Business, management, and public administration**
(3) **Education**
(4) **Health and related fields**
(5) **Information technology**
(6) **Nursing**
(7) **Physical and life sciences and technologies**
(8) **Social and behavioural sciences and law**
(9) **Other**

1-Year Retention Rates – College

The highest 1-year retention rates for the 2020 and 2019 college cohorts were among education and personal support graduates, followed by architecture, engineering, and related technologies graduates, as shown in Table 6.

Table 6: 1-Year Retention Rates of Graduates by Field of Study (College)

Graduation Year	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2014	92.0%	86.8%	100.0%	79.5%	88.9%	85.7%	91.4%	60.0%	81.1%	88.2%
2015	90.8%	86.2%	100.0%	82.9%	40.0%	81.6%	92.3%	50.0%	89.2%	87.2%
2016	91.7%	86.5%	46.7%	86.2%	52.8%	90.6%	86.2%	100.0%	88.2%	86.7%
2017	93.6%	83.9%	85.7%	88.1%	62.3%	92.3%	93.9%	83.3%	89.1%	89.5%

2018	92.4%	86.4%	91.7%	87.9%	68.1%	93.1%	97.0%	100.0%	90.6%	86.8%
2019	92.5%	89.5%	92.9%	90.9%	56.5%	91.7%	92.0%	75.0%	88.9%	87.6%
2020	91.4%	86.9%	100.0%	87.1%	50.0%	90.5%	100.0%	66.7%	91.1%	83.8%
Overall	**92.0%**	**86.7%**	**83.8%**	**86.0%**	**58.0%**	**89.1%**	**93.0%**	**74.2%**	**88.8%**	**87.1%**

(1) **Architecture, engineering, and related technologies**
(2) **Business, management, and public administration**
(3) **Education**
(4) **Health and related fields**
(5) **Information technology**
(6) **Nursing**
(7) **Personal support worker**
(8) **Physical and life sciences and technologies**
(9) **Social and behavioural sciences and law**
(10) **Other**

3-Year Retention Rates – University

Nursing graduates had the highest 3-year retention rate for the 2018 and 2017 university cohorts, though the retention rate for this group declined by 4.6 percentage points between the 2017 and 2018 cohorts. Information technology graduates had the highest increase in their 3-year retention rate (5.6 percentage points) compared to the previous year, as shown in Table 7.

Table 7: 3-Year Retention Rates of Graduates by Field of Study (University)

Graduation Year	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
2010	39.1%	47.5%	65.3%	57.1%	43.8%	67.5%	48.4%	41.9%	44.7%
2011	38.7%	53.2%	61.6%	60.4%	29.4%	70.4%	50.8%	45.9%	46.0%
2012	31.9%	51.7%	65.3%	55.2%	47.1%	70.9%	50.7%	43.9%	46.8%
2013	35.1%	53.7%	66.1%	66.2%	38.9%	70.1%	47.8%	47.2%	50.0%
2014	37.2%	51.3%	63.9%	63.2%	33.3%	68.3%	54.8%	50.3%	49.2%
2015	42.1%	51.1%	67.3%	63.1%	46.2%	80.0%	51.4%	51.2%	52.3%
2016	49.4%	50.3%	62.0%	61.0%	44.8%	76.1%	50.0%	54.4%	51.8%
2017	50.0%	54.7%	65.7%	65.6%	50.0%	83.3%	52.9%	55.2%	56.0%
2018	49.4%	56.7%	60.6%	71.0%	55.6%	78.7%	56.9%	54.7%	52.9%
Overall	**41.7%**	**52.2%**	**64.2%**	**62.8%**	**44.4%**	**73.5%**	**51.5%**	**49.3%**	**49.5%**

(1) **Architecture, engineering, and related technologies**
(2) **Business, management, and public administration**
(3) **Education**

(4) **Health and related fields**
(5) **Information technology**
(6) **Nursing**
(7) **Physical and life sciences and technologies**
(8) **Social and behavioural sciences and law**
(9) **Other**

3-Year Retention Rates – College

Education and nursing graduates had the highest 3-year retention rates for the 2018 college cohorts, at 91.7% and 89.7% respectively, as shown in Table 8.

Table 8: 3-Year Retention Rates of Graduates by Field of Study (College)

Graduation Year	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2014	84.3%	79.3%	80.0%	79.5%	77.8%	80.0%	85.7%	60.0%	78.4%	80.7%
2015	85.3%	78.5%	100.0%	77.1%	40.0%	76.3%	80.8%	50.0%	83.8%	80.9%
2016	87.4%	78.2%	46.7%	82.8%	44.4%	84.4%	86.2%	75.0%	86.3%	80.6%
2017	88.5%	75.2%	85.7%	83.3%	56.6%	87.2%	87.9%	83.3%	82.6%	84.2%
2018	87.3%	78.2%	91.7%	87.9%	63.8%	89.7%	87.9%	66.7%	84.9%	80.2%
Overall	**86.6%**	**77.8%**	**74.4%**	**82.0%**	**55.9%**	**83.2%**	**85.9%**	**66.7%**	**83.5%**	**81.3%**

(1) **Architecture, engineering, and related technologies**
(2) **Business, management, and public administration**
(3) **Education**
(4) **Health and related fields**
(5) **Information technology**
(6) **Nursing**
(7) **Personal support worker**
(8) **Physical and life sciences and technologies**
(9) **Social and behavioural sciences and law**
(10) **Other**

5-Year Retention Rates – University

Nursing and education graduates exhibited the highest 5-year retention rates for the 2016 university cohort, as shown in Table 9. Both retention rates are lower by around 4 percentage points compared to 2015 values. Architecture, engineering, and related technologies graduates exhibited the largest increase in retention rates for the 2016 cohort compared to 2015 – a change of 8.8 percentage points.

Table 9: 5-Year Retention Rates of Graduates by Field of Study (University)

Graduation Year	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
2010	30.4%	40.6%	60.0%	49.0%	37.5%	60.0%	39.1%	33.8%	34.1%
2011	33.9%	46.9%	58.9%	50.9%	29.4%	69.0%	42.9%	39.0%	39.6%
2012	27.5%	44.2%	63.6%	46.6%	41.2%	68.4%	40.6%	37.4%	41.8%
2013	31.2%	49.1%	62.7%	55.4%	38.9%	66.2%	37.7%	39.4%	44.0%
2014	33.3%	46.6%	60.2%	60.3%	27.8%	63.5%	48.0%	43.1%	42.6%
2015	36.8%	46.6%	64.4%	53.9%	42.3%	77.1%	44.3%	44.8%	47.8%
2016	45.6%	45.0%	60.0%	55.9%	41.4%	73.1%	43.4%	49.4%	47.4%
Overall	**34.3%**	**45.7%**	**61.3%**	**53.5%**	**37.6%**	**68.1%**	**42.4%**	**41.0%**	**42.2%**

(1) **Architecture, engineering, and related technologies**
(2) **Business, management, and public administration**
(3) **Education**
(4) **Health and related fields**
(5) **Information technology**
(6) **Nursing**
(7) **Physical and life sciences and technologies**
(8) **Social and behavioural sciences and law**
(9) **Other**

5-Year Retention Rates – College

For 2016 college cohorts, nursing graduates had the highest 5-year retention rate (84.4%), with an increase of 8.1 percentage points from the corresponding value in 2015. Education graduates' 5-year retention rate dropped in 2016 by 53.3 percentage points while physical and life sciences and technologies graduates' 5-year retention rate rose by 25 percentage points from 2015 to 2016, as shown in Table 10.

Table 10: 5-Year Retention Rates of Graduates by Field of Study (College)

Graduation Year	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2014	80.9%	76.0%	80.0%	74.4%	72.2%	77.1%	80.0%	60.0%	75.7%	75.6%
2015	81.1%	75.0%	100.0%	74.3%	36.0%	76.3%	73.1%	50.0%	81.1%	76.6%
2016	83.9%	74.4%	46.7%	75.9%	41.7%	84.4%	79.3%	75.0%	84.3%	77.6%
Overall	**82.0%**	**75.1%**	**62.5%**	**74.8%**	**46.8%**	**79.1%**	**77.8%**	**60.0%**	**80.8%**	**76.5%**

(1) **Architecture, engineering, and related technologies**
(2) **Business, management, and public administration**

(3) **Education**
(4) **Health and related fields**
(5) **Information technology**
(6) **Nursing**
(7) **Personal support worker**
(8) **Physical and life sciences and technologies**
(9) **Social and behavioural sciences and law**
(10) **Other**

10-Year Retention Rates – University

Nursing graduates, followed by education graduates, exhibit the highest 10-year retention rates for the 2011 university cohort, as shown in Table 11.

Table 11: 10-Year Retention Rates of Graduates by Field of Study (University)

Graduation Year	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
2010	27.5%	36.4%	56.0%	44.9%	31.4%	56.3%	29.7%	30.0%	28.8%
2011	30.7%	42.6%	55.6%	45.4%	23.5%	64.8%	31.8%	33.3%	33.8%
Overall	**29.0%**	**39.4%**	**55.8%**	**45.1%**	**27.3%**	**60.3%**	**30.7%**	**31.7%**	**31.4%**

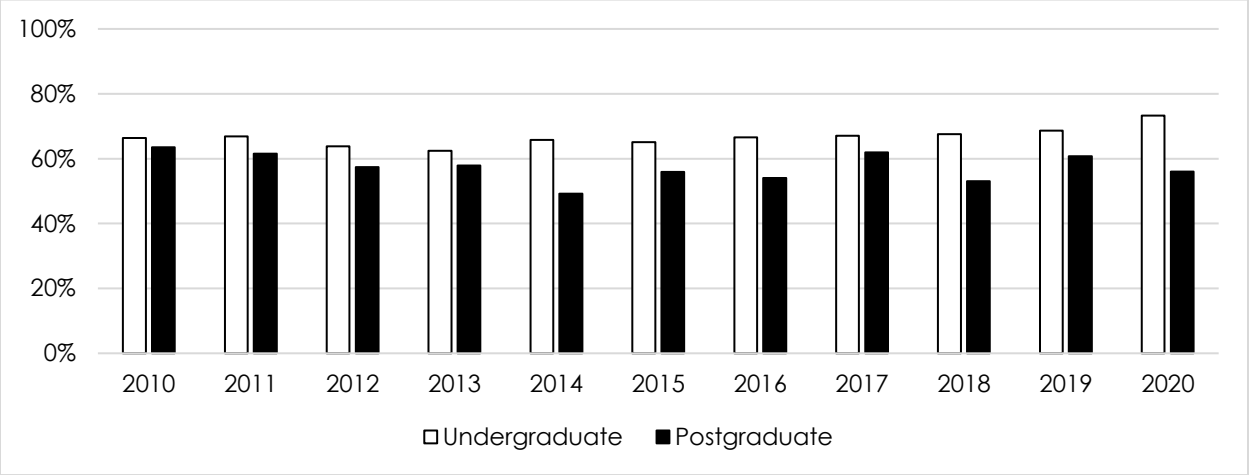
(1) **Architecture, engineering, and related technologies**
(2) **Business, management, and public administration**
(3) **Education**
(4) **Health and related fields**
(5) **Information technology**
(6) **Nursing**
(7) **Physical and life sciences and technologies**
(8) **Social and behavioural sciences and law**
(9) **Other**

By Level of Education

1-Year Retention Rates

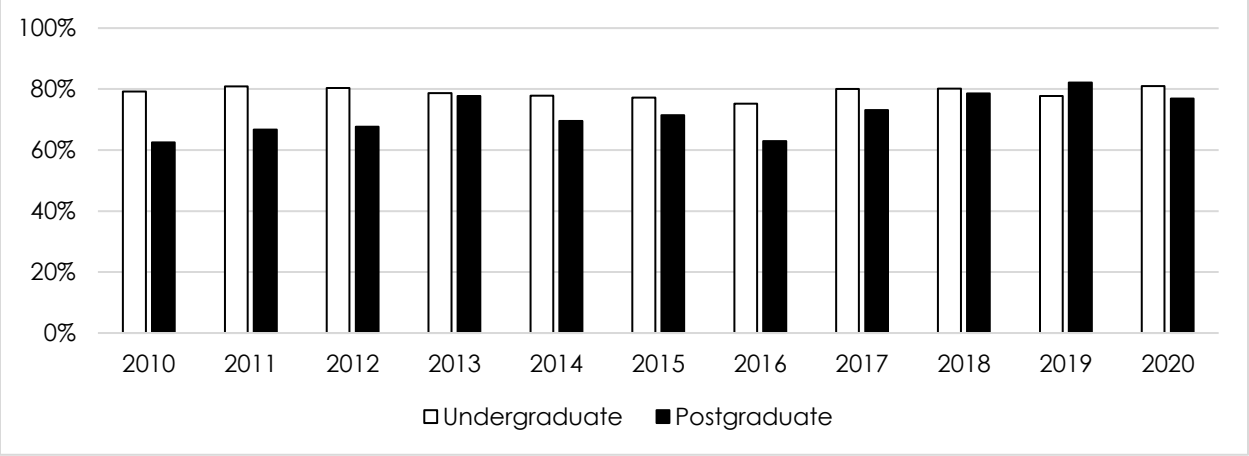
The 1-year retention rates of UNB graduates from undergraduate programs exceeded the corresponding value for UNB graduates from postgraduate programs for both 2019 and 2020 cohorts, as shown in Figure 30. The 1-year retention rate of UNB undergraduates increased by 4.6 percentage points in 2020 when compared with 2019. Table 35 in the Appendix shows the corresponding data.

Figure 30: 1-Year Retention Rates of Graduates by Level of Education (UNB)



Similarly, the 1-year retention rate for UdeM undergraduate programs exceeded the corresponding value for the UdeM postgraduate programs in 2020 but not in 2019, as shown in Figure 31. Table 39 in the Appendix shows the corresponding data.

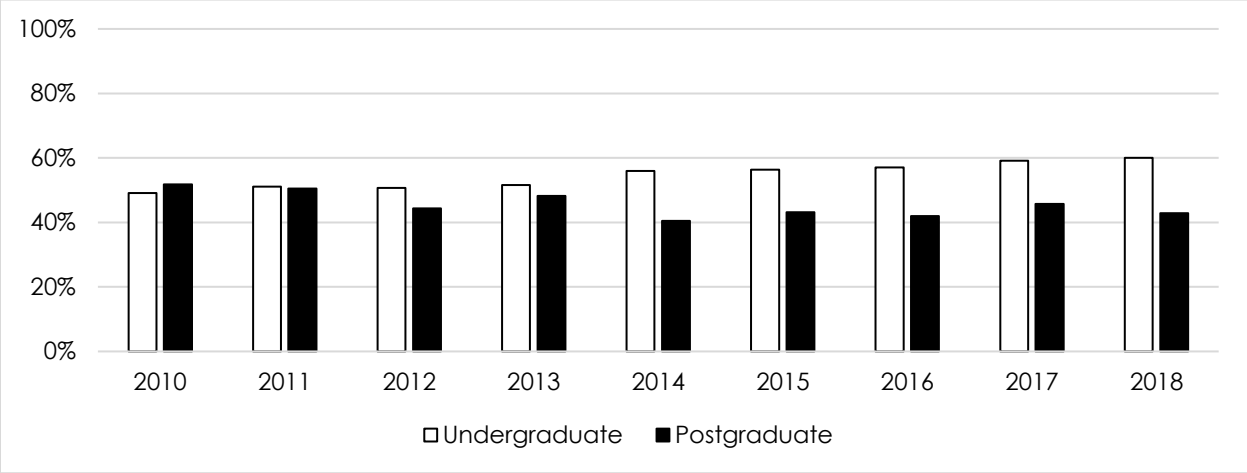
Figure 31: 1-Year Retention Rates of Graduates by Level of Education (UdeM)



3-Year Retention Rates

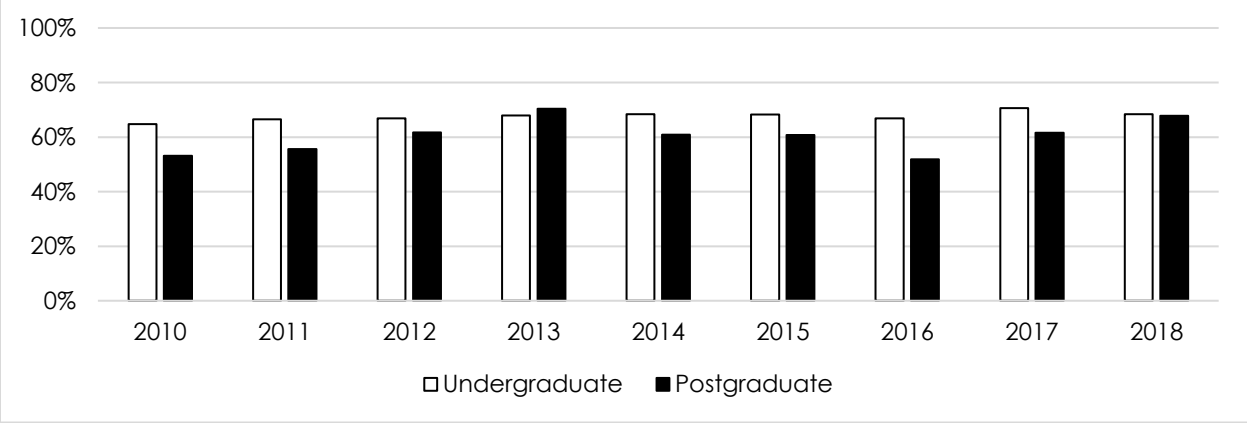
The retention rate for graduates from the undergraduate programs at UNB increased from 59.2% in 2017 to 60.1% for the 2018 graduating cohort. Meanwhile, the 1-year retention rate for graduates from postgraduate programs declined from 45.7% in 2017 to 42.9% in 2018, as shown in Figure 32. Table 36 in the Appendix shows the corresponding data.

Figure 32: 3-Year Retention Rates of Graduates by Level of Education (UNB)



The 3-year retention rate for undergraduate programs at UdeM declined from 70.7% in 2017 to 68.4% in 2018. In contrast, the 3-year retention rate for postgraduate programs increased from 61.5% for the 2017 cohort to 67.9% for the 2018 cohort, as shown in Figure 33. Table 40 in the Appendix shows the corresponding data.

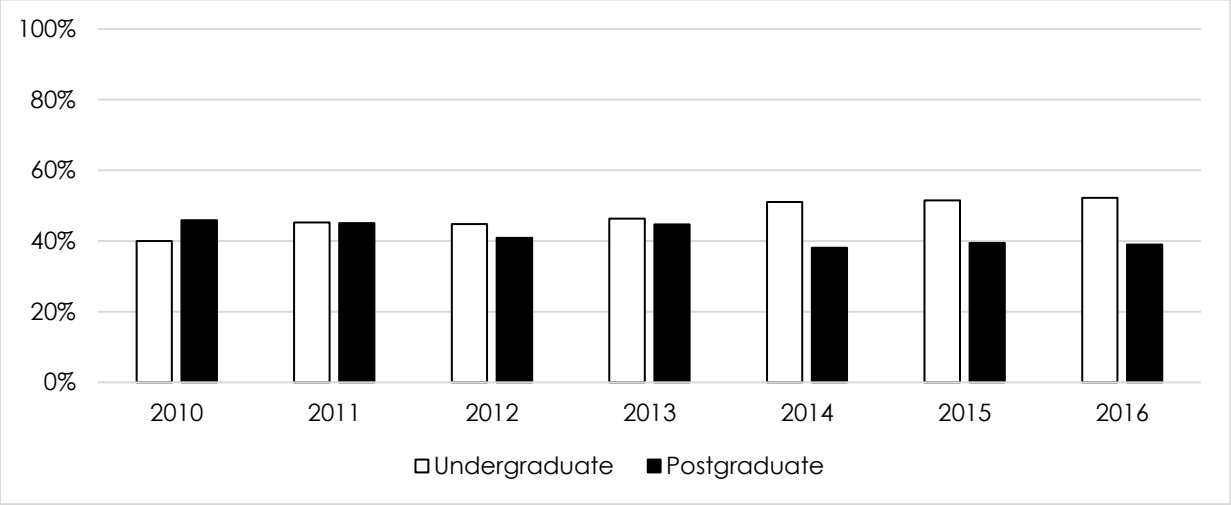
Figure 33: 3-Year Retention Rates of Graduates by Level of Education (UdeM)



5-Year Retention Rates

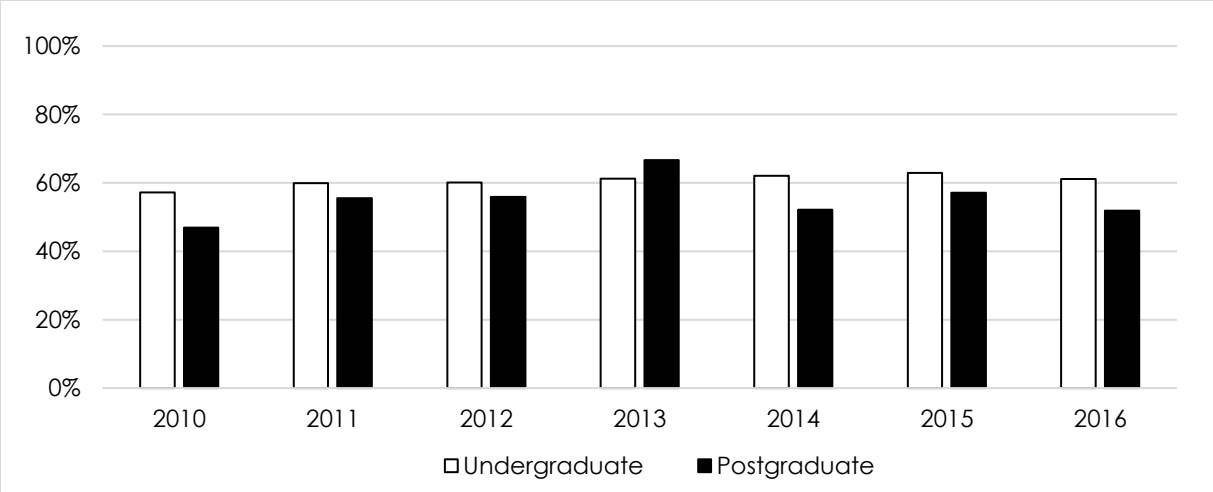
The 5-year retention rate for graduates from UNB undergraduate programs increased from 51.5% for 2015 to 52.2% for the 2016 cohort. The 5-year retention rate for graduates from postgraduate programs was relatively steady at 39.5% and 39.0% for 2015 and 2016 graduate cohorts, respectively, as shown in Figure 34. Table 37 in the Appendix shows the corresponding data.

Figure 34: 5-Year Retention Rates of Graduates by Level of Education (UNB)



The 5-year retention rate for UdeM undergraduate programs declined from 62.9% in 2015 to 61.2% in 2016. Similarly, the 5-year retention rate for postgraduate programs declined from 57.1% for 2015 to 51.9% for the 2016 cohort, as shown in Figure 35. Table 41 in the Appendix shows the corresponding data.

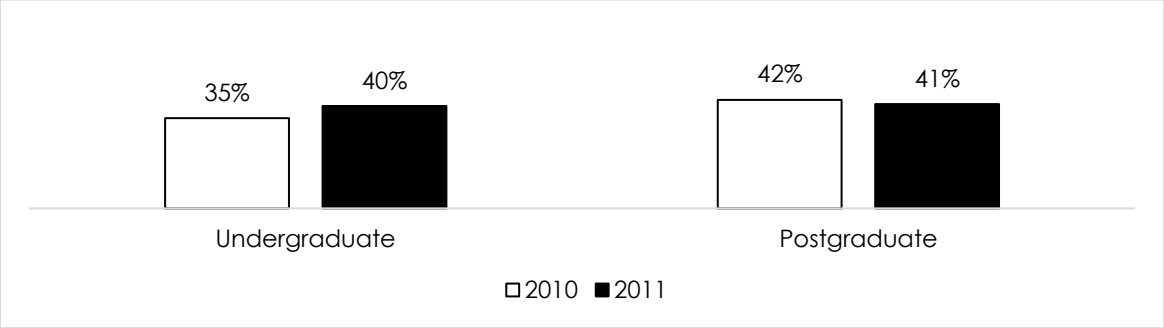
Figure 35: 5-Year Retention Rates of Graduates by Level of Education (UdeM)



10-Year Retention Rates

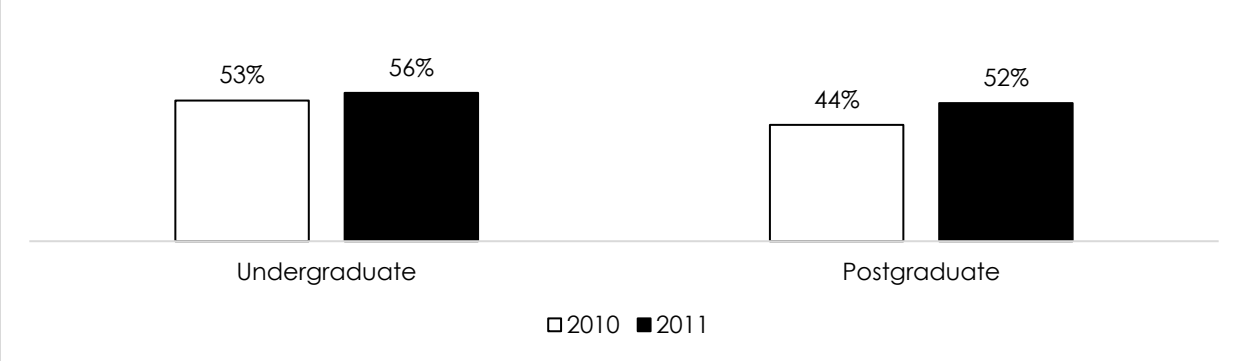
The 10-year retention rate for graduates from UNB undergraduate programs increased from 35.2% for the 2010 cohort to 39.9% for 2011. The retention rate for graduates from postgraduate programs declined from 42.4% in 2010 to 40.7% in 2011, as shown in Figure 36. Table 38 in the Appendix shows the corresponding data.

Figure 36: 10-Year Retention Rates of Graduates by Level of Education (UNB)



The 10-year retention rate for UdeM undergraduate programs increased from 52.8% for 2010 to 55.7% for 2011. Similarly, the 10-year retention rate for postgraduate programs increased from 43.8% for 2010 to 51.9% for 2011, as shown in Figure 37. Table 42 in the Appendix shows the corresponding data.

Figure 37: 10-Year Retention Rates of Graduates by Level of Education (UdeM)



By Educational Institution

1-Year Retention Rates

UdeM graduates exhibited the highest 1-year retention rates (79.3% and 82.3%) among university graduates for the 2019 and 2020 cohorts, respectively. NBCC had the highest 1-year retention rate for college graduates for both 2019 and 2020 cohorts, as shown in Table 12.

Table 12: 1-Year Retention Rates of University and College Graduates by Educational Institution

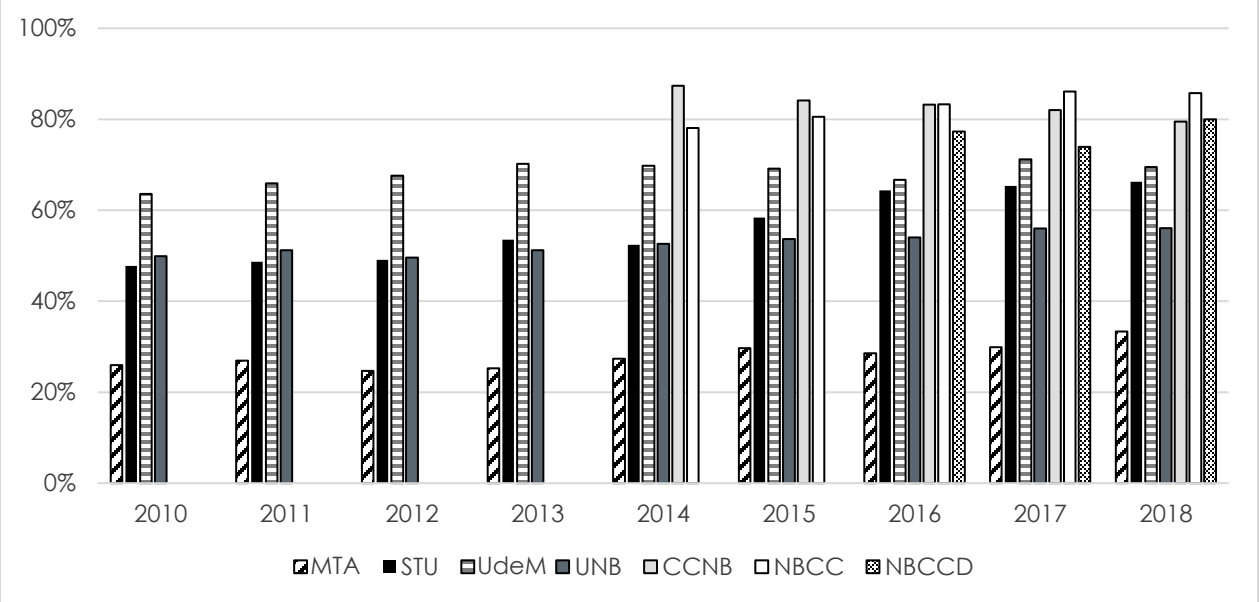
Graduation Year	MTA	STU	UdeM	UNB	CCNB	NBCC	NBCCD
2010	35.1%	62.8%	77.6%	66.0%	NA	NA	NA
2011	38.2%	62.6%	80.2%	66.3%	NA	NA	NA
2012	39.3%	67.5%	79.3%	62.5%	NA	NA	NA

2013	35.5%	65.8%	80.3%	61.9%	NA	NA	NA
2014	33.0%	66.0%	78.7%	61.7%	92.9%	85.4%	NA
2015	36.3%	69.9%	77.6%	63.4%	90.0%	86.5%	NA
2016	37.8%	71.3%	74.9%	64.1%	89.1%	88.6%	77.3%
2017	37.9%	73.3%	79.3%	65.9%	88.4%	91.0%	78.3%
2018	38.1%	75.9%	80.7%	64.9%	87.6%	91.4%	86.7%
2019	41.8%	72.3%	79.3%	66.7%	90.0%	91.7%	81.8%
2020	38.5%	75.3%	82.3%	68.9%	84.9%	90.0%	84.4%
Overall	**37.3%**	**69.0%**	**79.1%**	**64.7%**	**89.0%**	**89.3%**	**82.1%**

3-Year Retention Rates

UdeM graduates, followed by STU graduates, had the highest 3-year retention rates for both 2017 and 2018 university cohorts. NBCC had the highest 3-year retention rates for both 2017 and 2018 college cohorts, as shown in Figure 38. Table 43 in the Appendix shows the corresponding data.

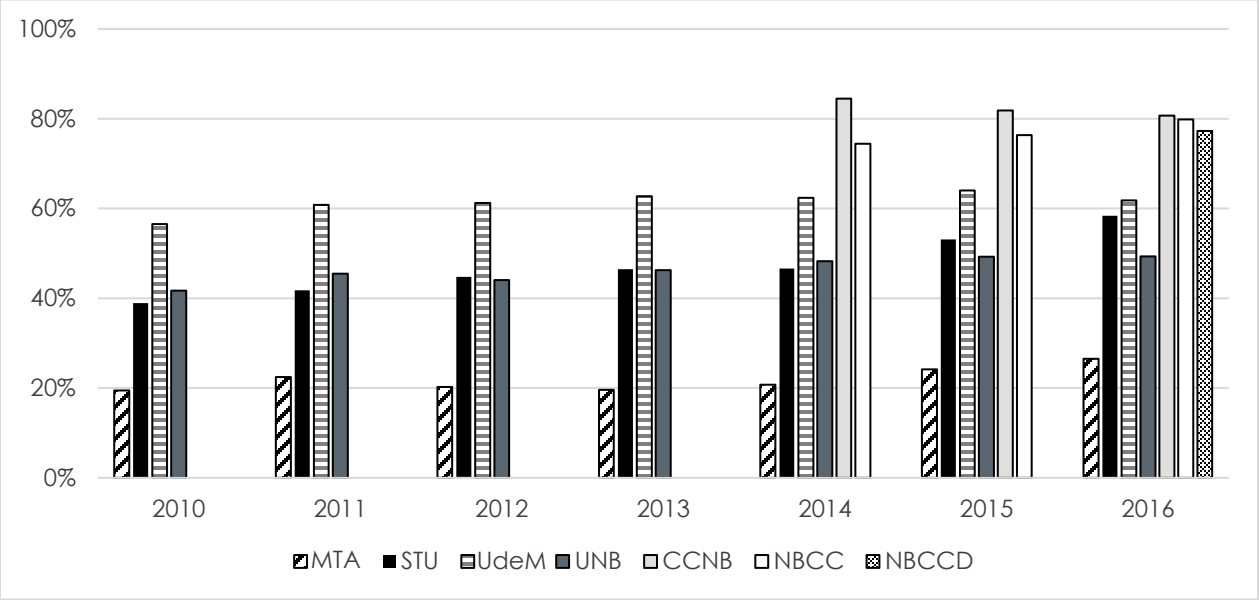
Figure 38: 3-Year Retention Rates of University and College Graduates by Educational Institution



5-Year Retention Rates

Similarly, UdeM graduates, followed by STU graduates, had the highest 5-year retention rates for the 2015 and 2016 university cohorts. CCNB graduates had the highest 5-year college retention rate, as shown in Figure 39. Table 44 in the Appendix shows the corresponding data.

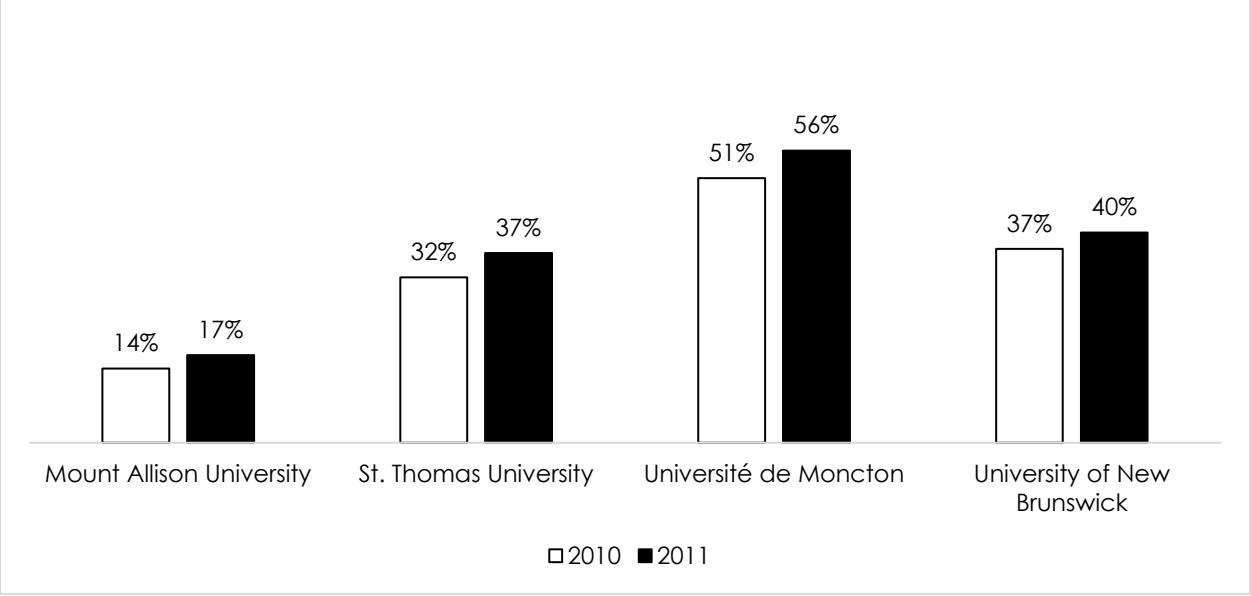
Figure 39: 5-Year Retention Rates of Graduates by Educational Institution



10-Year Retention Rates

UdeM graduates had the highest 10-year retention rates for both 2010 and 2011 cohorts, followed by UNB graduates, as shown in Figure 40. Table 45 in the Appendix shows the corresponding data.

Figure 40: 10-Year Retention Rates of University Graduates by Educational Institution



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Bhuiyan, E. M., Daigle, B., McDonald, T., & Miah, P (2021). College & university graduate retention in New Brunswick: 2010 - 2018. Fredericton, NB: New Brunswick Institute for Research, Data and Training.

Appendix

Table 13: Overall Retention Rates of College Graduates

Graduation Year	1-Year	3-Year	5-Year
2014	88.1%	81.4%	78.1%
2015	87.8%	81.8%	78.3%
2016	88.8%	83.1%	80.2%
2017	90.0%	84.5%	NA
2018	90.0%	83.5%	NA
2019	91.1%	NA	NA
2020	88.3%	NA	NA
Overall	**89.2%**	**82.9%**	**78.9%**

Table 14: Overall Retention Rates of University Graduates

Graduation Year	1-Year	3-Year	5-Year	10-Year
2010	65.7%	50.9%	43.0%	37.9%
2011	66.4%	52.1%	46.5%	41.5%
2012	65.0%	51.5%	46.1%	NA
2013	63.9%	53.2%	47.3%	NA
2014	62.7%	53.5%	48.0%	NA
2015	64.9%	55.6%	50.8%	NA
2016	64.5%	55.4%	50.8%	NA
2017	67.1%	58.0%	NA	NA
2018	67.0%	58.0%	NA	NA
2019	67.9%	NA	NA	NA
2020	69.8%	NA	NA	NA
Overall	**65.8%**	**54.1%**	**47.5%**	**39.6%**

Table 15: 1-Year Retentions Rates of University and College Graduates by Sex

Graduation Year	Male (University)	Female (University)		Male (College)	Female (College)
2010	62.5%	68.0%		NA	NA
2011	63.7%	68.1%		NA	NA
2012	59.1%	68.5%		NA	NA
2013	60.8%	65.9%		NA	NA
2014	59.9%	64.6%		90.7%	85.5%
2015	60.7%	68.2%		87.2%	83.9%
2016	59.4%	68.1%		86.0%	86.3%
2017	63.0%	69.9%		88.4%	87.2%
2018	62.2%	70.4%		88.9%	88.0%
2019	64.8%	70.2%		87.6%	89.5%
2020	67.5%	71.4%		84.2%	87.1%
Overall	**62.1%**	**68.4%**		**87.5%**	**86.9%**

Table 16: 3-Year Retentions Rates of University and College Graduates by Sex

Graduation Year	Male (University)	Female (University)		Male (College)	Female (College)
2010	47.1%	53.0%		NA	NA
2011	47.9%	55.2%		NA	NA
2012	45.3%	55.4%		NA	NA
2013	49.7%	55.6%		NA	NA
2014	49.3%	56.0%		83.5%	79.3%
2015	50.4%	58.8%		80.6%	78.3%
2016	49.3%	59.7%		79.7%	81.4%
2017	53.0%	61.8%		82.1%	83.2%
2018	53.2%	61.9%		82.7%	81.9%
Overall	**49.5%**	**57.3%**		**81.7%**	**80.9%**

Table 17: 5-Year Retentions Rates of University and College Graduates by Sex

Graduation Year	Male (University)	Female (University)		Male (College)	Female (College)
2010	38.1%	45.7%		NA	NA
2011	41.1%	50.2%		NA	NA
2012	39.8%	49.8%		NA	NA
2013	43.6%	49.6%		NA	NA
2014	43.6%	51.0%		79.7%	76.3%
2015	45.1%	54.1%		76.7%	75.9%
2016	45.1%	55.1%		76.9%	78.8%
Overall	**42.4%**	**50.7%**		**77.0%**	**77.8 %**

Table 18: 10-Year Retentions Rates of University and College Graduates by Sex

Graduation Year	Male (University)	Female (University)
2010	32.4%	41.7%
2011	35.7%	45.2%
Overall	**34.1%**	**43.4%**

Table 19: 1-Year Retention Rates of University and College Graduates from NB

Graduation Year	MTA	STU	UdeM	UNB	CCNB	NBCC
2010	77.4%	86.8%	88.0%	84.6%	NA	NA
2011	81.6%	84.0%	90.8%	87.0%	NA	NA
2012	88.9%	87.7%	88.9%	83.6%	NA	NA
2013	81.6%	83.9%	90.2%	82.2%	NA	NA
2014	84.6%	85.3%	92.2%	84.6%	95.1%	88.6%
2015	90.6%	87.1%	90.1%	86.1%	95.0%	89.1%
2016	84.6%	90.5%	91.9%	87.8%	95.2%	91.6%
2017	82.4%	93.2%	94.5%	89.3%	94.4%	94.8%
2018	90.0%	91.7%	93.3%	90.0%	95.9%	95.0%
2019	86.7%	89.9%	93.9%	91.2%	95.6%	95.8%
2020	88.9%	91.7%	95.7%	92.9%	97.5%	95.3%
Overall	**85.0%**	**88.1%**	**91.5%**	**87.0%**	**95.4%**	**92.9%**

Table 20: 1-Year Retention Rates of University and College Graduates for Students from Outside Canada

Graduation Year	MTA	STU	UdeM	UNB	CCNB	NBCC
2010	14.3%	20.0%	30.4%	32.3%	NA	NA
2011	14.3%	20.0%	47.8%	33.9%	NA	NA
2012	0.0%	50.0%	42.9%	31.8%	NA	NA
2013	15.4%	25.0%	46.4%	31.5%	NA	NA
2014	7.7%	20.0%	41.4%	23.0%	54.5%	68.2%
2015	9.1%	28.6%	47.1%	31.4%	53.3%	66.7%
2016	18.2%	40.0%	37.5%	31.8%	57.1%	70.0%
2017	20.0%	33.3%	45.5%	44.7%	62.1%	72.0%
2018	25.0%	50.0%	55.9%	45.8%	61.3%	70.3%
2019	57.1%	40.0%	54.1%	51.1%	68.6%	75.9%
2020	25.0%	33.3%	55.6%	53.6%	67.2%	77.0%
Overall	**19.0%**	**32.8%**	**46.1%**	**38.0%**	**62.9%**	**73.6%**

Table 21: 1-Year Retention Rates of University and College Graduates for Students from Provinces Outside NB

Graduation Year	MTA	STU	UdeM	UNB	CCNB	NBCC
2010	5.1%	12.5%	31.3%	22.2%	NA	NA
2011	4.6%	10.3%	28.6%	18.1%	NA	NA
2012	6.3%	13.8%	28.6%	19.6%	NA	NA
2013	8.9%	4.4%	29.4%	17.8%	NA	NA
2014	1.9%	13.0%	26.3%	21.7%	0.0%	16.7%
2015	6.3%	14.3%	22.2%	21.8%	0.0%	12.5%
2016	4.2%	13.6%	21.1%	23.1%	0.0%	20.0%
2017	7.0%	18.2%	25.0%	20.8%	0.0%	16.7%
2018	6.5%	29.4%	33.3%	22.2%	10.0%	22.2%
2019	7.1%	20.0%	30.0%	20.6%	25.0%	22.2%
2020	9.3%	26.3%	25.0%	20.8%	0.0%	14.3%
Overall	**6.1%**	**15.2%**	**27.2%**	**20.8%**	**5.0%**	**17.9%**

Table 22: 1-Year Retention Rates of University and College Graduates by Previous Residence

Graduation Year	University			College		
	New Brunswick	Outside Canada	Provinces Outside NB	New Brunswick	Outside Canada	Provinces Outside NB
2010	85.5%	29.9%	17.5%	NA	NA	NA
2011	87.3%	35.2%	14.9%	NA	NA	NA
2012	86.1%	34.0%	16.0%	NA	NA	NA
2013	84.8%	33.1%	14.5%	NA	NA	NA
2014	86.8%	25.4%	15.1%	91.0%	63.6%	15.4%
2015	87.7%	33.3%	16.7%	91.2%	60.6%	7.7%
2016	89.1%	32.6%	16.7%	93.0%	62.5%	14.3%
2017	90.9%	42.5%	17.7%	94.7%	66.7%	11.1%
2018	91.2%	47.5%	20.1%	95.3%	66.2%	15.8%
2019	91.5%	51.8%	18.4%	95.7%	73.0%	23.1%
2020	93.3%	51.5%	19.1%	96.0%	73.2%	5.9%
Overall	**88.3%**	**38.3%**	**17.0%**	**93.8%**	**68.9%**	**13.1%**

Table 23: 3-Year Retention Rates of University and College Graduates from NB

Graduation Year	MTA	STU	UdeM	UNB	CCNB	NBCC
2010	58.1%	64.5%	74.3%	66.2%	NA	NA
2011	60.5%	64.2%	76.9%	69.1%	NA	NA
2012	58.3%	65.4%	77.8%	68.6%	NA	NA
2013	60.5%	67.8%	80.9%	72.0%	NA	NA
2014	69.2%	69.3%	83.8%	74.7%	90.7%	82.5%
2015	75.0%	71.8%	84.6%	76.1%	91.0%	83.3%
2016	66.7%	82.4%	85.8%	78.3%	92.7%	87.3%
2017	70.6%	83.6%	89.7%	81.7%	92.1%	90.7%
2018	76.7%	85.0%	87.4%	83.3%	92.2%	91.4%
Overall	**65.9%**	**72.1%**	**81.9%**	**74.0%**	**91.7%**	**87.1%**

Table 24: 3-Year Retention Rates of University and College Graduates for Students from Outside Canada

Graduation Year	MTA	STU	UdeM	UNB	CCNB	NBCC
2010	14.3%	20.0%	8.7%	14.5%	NA	NA
2011	0.0%	20.0%	26.1%	16.1%	NA	NA
2012	0.0%	25.0%	25.0%	16.7%	NA	NA
2013	7.7%	0.0%	25.0%	12.3%	NA	NA
2014	7.7%	0.0%	24.1%	10.3%	18.2%	40.9%
2015	9.1%	28.6%	23.5%	15.1%	20.0%	55.6%
2016	9.1%	40.0%	20.0%	14.1%	21.4%	45.0%
2017	10.0%	33.3%	21.2%	21.2%	24.1%	52.0%
2018	25.0%	16.7%	23.5%	23.6%	22.6%	43.2%
Overall	**9.4%**	**23.4%**	**22.1%**	**15.9%**	**21.9%**	**46.7%**

Table 25: 3-Year Retention Rates of University and College Graduates for Students from Provinces Outside NB

Graduation Year	MTA	STU	UdeM	UNB	CCNB	NBCC
2010	2.6%	12.5%	25.0%	15.6%	NA	NA
2011	2.3%	6.9%	19.1%	13.83	NA	NA
2012	2.1%	6.9%	21.4%	14.4%	NA	NA
2013	5.4%	8.7%	29.4%	12.2%	NA	NA
2014	1.9%	8.7%	26.3%	19.3%	0.0%	8.3%
2015	4.2%	14.3%	16.7%	19.5%	0.0%	12.5%
2016	2.1%	9.1%	15.8%	18.7%	0.0%	20.0%
2017	2.3%	13.6%	20.0%	16.7%	0.0%	16.7%
2018	6.5%	17.7%	22.2%	17.6%	10.0%	22.2%
Overall	**3.3%**	**10.6%**	**21.6%**	**16.4%**	**3.9%**	**15.7%**

Table 26: 3-Year Retention Rates of University and College Graduates by Previous Residence

Graduation Year	University			College		
	New Brunswick	Outside Canada	Provinces Outside NB	New Brunswick	Outside Canada	Provinces Outside NB
2010	67.9%	13.4%	13.0%	NA	NA	NA
2011	70.1%	18.7%	10.6%	NA	NA	NA
2012	70.3%	18.5%	10.6%	NA	NA	NA
2013	73.4%	14.4%	11.3%	NA	NA	NA
2014	76.1%	12.7%	13.4%	85.6%	33.3%	7.7%
2015	77.8%	17.4%	14.4%	86.1%	39.4%	7.7%
2016	80.1%	16.3%	12.8%	89.3%	31.3%	14.3%
2017	83.5%	20.9%	13.3%	91.2%	37.0%	11.1%
2018	84.3%	23.3%	15.3%	91.7%	33.8%	15.8%
Overall	**75.5%**	**17.3%**	**12.7%**	**88.8%**	**34.7%**	**11.7%**

Table 27: 5-Year Retention Rates of University and College Graduates from NB

Graduation Year	MTA	STU	UdeM	UNB	CCNB	NBCC
2010	45.2%	54.0%	65.7%	56.3%	NA	NA
2011	50.0%	56.8%	72.3%	62.5%	NA	NA
2012	47.2%	60.5%	72.2%	62.1%	NA	NA
2013	47.4%	58.6%	74.9%	65.8%	NA	NA
2014	56.4%	61.3%	77.9%	69.5%	88.1%	78.8%
2015	59.4%	67.1%	80.3%	71.1%	89.0%	79.7%
2016	61.5%	75.7%	82.4%	73.2%	90.8%	84.4%
Overall	**52.6%**	**61.9%**	**74.8%**	**65.5%**	**89.2%**	**80.9%**

Table 28: 5-Year Retention Rates of University and College Graduates for Students from Outside Canada

Graduation Year	MTA	STU	UdeM	UNB	CCNB	NBCC
2010	3.0%	20.0%	8.7%	8.1%	NA	NA
2011	0.0%	0.0%	13.0%	8.9%	NA	NA
2012	0.0%	0.0%	10.7%	10.6%	NA	NA
2013	0.0%	0.0%	7.1%	8.2%	NA	NA
2014	7.7%	0.0%	6.9%	6.9%	18.2%	36.4%
2015	0.0%	0.0%	8.8%	11.6%	13.3%	38.9%
2016	9.1%	20.0%	7.5%	9.4%	17.9%	35.0%
Overall	**4.5%**	**5.7%**	**8.8%**	**9.1%**	**16.7%**	**36.7%**

Table 29: 5-Year Retention Rates of University and College Graduates for Students from Provinces Outside NB

Graduation Year	MTA	STU	UdeM	UNB	CCNB	NBCC
2010	2.6%	6.3%	25.0%	12.2%	NA	NA
2011	2.3%	6.9%	19.1%	11.7%	NA	NA
2012	2.1%	6.9%	21.4%	12.4%	NA	NA
2013	3.6%	4.4%	23.5%	11.1%	NA	NA
2014	0.0%	8.7%	21.1%	16.9%	0.0%	8.3%
2015	4.2%	14.3%	22.2%	16.1%	0.0%	12.5%
2016	2.1%	9.1%	15.8%	15.4%	0.0%	10.0%
Overall	**2.4%**	**7.8%**	**21.0%**	**13.6%**	**0.0%**	**10.0%**

Table 30: 5-Year Retention Rates of University and College Graduates by Previous Residence

Graduation Year	University			College		
	New Brunswick	Outside Canada	Provinces Outside NB	New Brunswick	Outside Canada	Provinces Outside NB
2010	58.2%	8.3%	10.2%	NA	NA	NA
2011	63.8%	8.8%	9.6%	NA	NA	NA
2012	64.1%	9.7%	9.6%	NA	NA	NA
2013	66.3%	7.6%	9.1%	NA	NA	NA
2014	69.8%	6.0%	11.2%	82.3%	30.3%	7.7%
2015	72.5%	10.1%	13.2%	83.0%	27.3%	7.7%
2016	75.2%	9.2%	11.1%	86.8%	25.0%	7.1%
Overall	**66.9%**	**8.5%**	**10.5%**	**84.0%**	**27.2%**	**7.5%**

Table 31: 10-Year Retention Rates of University Graduates from NB

Graduation Year	MTA	STU	UdeM	UNB
2010	35.9%	46.1%	60.0%	50.5%
2011	36.9%	49.4%	67.1%	56.0%
Overall	**36.2%**	**47.8%**	**63.5%**	**53.2%**

Table 32: 10-Year Retention Rates of University Graduates from Outside Canada

Graduation Year	MTA	STU	UdeM	UNB
2010	0.0%	0.0%	4.2%	6.5%
2011	0.0%	0.0%	8.7%	7.1%
Overall	**0.0%**	**0.0%**	**6.5%**	**6.8%**

Table 33: 10-Year Retention Rates of University Graduates from Provinces Outside NB

Graduation Year	MTA	STU	UdeM	UNB
2010	0.0%	3.1%	18.8%	11.1%
2011	2.3%	3.5%	19.1%	9.6%
Overall	**1.2%**	**3.3%**	**18.9%**	**10.3%**

Table 34: 10-Year Retention Rates of University Graduates by Previous Residence

Graduation Year	University		
	New Brunswick	Outside Canada	Provinces Outside NB
2010	51.9%	5.15%	7.9%
2011	57.1%	6.59%	8.0%
Overall	**54.5%**	**5.9%**	**8.0%**

Table 35: 1-Year Retention Rates for Graduates by Level of Education (UNB)

Graduation Year	Undergraduate	Postgraduate
2010	66.4%	63.5%
2011	66.9%	61.5%
2012	63.8%	57.4%
2013	62.4%	57.9%
2014	65.8%	49.2%
2015	65.1%	56.0%
2016	66.6%	54.0%
2017	67.1%	61.9%
2018	67.5%	53.1%
2019	68.7%	60.7%
2020	73.3%	56.0%
Overall	**66.6%**	**57.1%**

Table 36: 3-Year Retention Rates for Graduates by Level of Education (UNB)

Graduation Year	Undergraduate	Postgraduate
2010	49.1%	51.8%
2011	51.1%	50.6%
2012	50.7%	44.4%
2013	51.6%	48.3%
2014	56.0%	40.5%
2015	56.3%	43.1%
2016	57.0%	42.0%
2017	59.2%	45.7%
2018	60.1%	42.9%
Overall	**54.4%**	**45.2%**

Table 37: 5-Year Retention Rates for Graduates by Level of Education (UNB)

Graduation Year	Undergraduate	Postgraduate
2010	40.0%	45.9%
2011	45.2%	45.1%
2012	44.8%	40.9%
2013	46.4%	44.7%
2014	51.1%	38.1%
2015	51.5%	39.5%
2016	52.2%	39.0%
Overall	**47.2%**	**41.6%**

Table 38: 10-Year Retention Rates for Graduates by Level of Education (UNB)

Graduation Year	Undergraduate	Postgraduate
2010	35.2%	42.4%
2011	39.9%	40.7%
Overall	**47.2%**	**41.6%**

Table 39: 1-Year Retention Rates for Graduates by Level of Education (UdeM)

Graduation Year	Undergraduate	Postgraduate
2010	79.3%	62.5%
2011	80.8%	66.7%
2012	80.4%	67.7%
2013	78.7%	77.8%
2014	77.9%	69.6%
2015	77.3%	71.4%
2016	75.2%	63.0%
2017	80.0%	73.1%
2018	80.2%	78.6%
2019	77.8%	82.1%
2020	81.0%	76.9%
Overall	**78.9%**	**71.6%**

Table 40: 3-Year Retention Rates for Graduates by Level of Education (UdeM)

Graduation Year	Undergraduate	Postgraduate
2010	64.8%	53.1%
2011	66.5%	55.6%
2012	66.9%	61.8%
2013	68.0%	70.4%
2014	68.4%	60.9%
2015	68.3%	60.7%
2016	66.9%	51.9%
2017	70.7%	61.5%
2018	68.4%	67.9%
Overall	**67.6%**	**60.3%**

Table 41: 5-Year Retention Rates for Graduates by Level of Education (UdeM)

Graduation Year	Undergraduate	Postgraduate
2010	57.2%	46.9%
2011	59.9%	55.6%
2012	60.1%	55.9%
2013	61.2%	66.7%
2014	62.0%	52.2%
2015	62.9%	57.1%
2016	61.2%	51.9%
Overall	**60.7%**	**55.1%**

Table 42: 10-Year Retention Rates for Graduates by Level of Education (UdeM)

Graduation Year	Undergraduate	Postgraduate
2010	52.8%	43.8%
2011	55.7%	51.9%
Overall	**54.3%**	**47.5%**

Table 43: 3-Year Retention of University and College Graduates by Institution

Graduation Year	MTA	STU	UdeM	UNB	CCNB	NBCC	NBCCD
2010	26.0%	47.8%	63.6%	49.9%	NA	NA	NA
2011	27.0%	48.7%	65.9%	51.2%	NA	NA	NA
2012	24.7%	49.1%	67.6%	49.6%	NA	NA	NA
2013	25.2%	53.5%	70.2%	51.2%	NA	NA	NA
2014	27.4%	52.4%	69.8%	52.6%	87.4%	78.1%	NA
2015	29.7%	58.4%	69.2%	53.6%	84.1%	80.5%	NA
2016	28.6%	64.4%	66.7%	54.0%	82.8%	83.3%	77.3%
2017	29.9%	65.4%	71.2%	56.0%	82.0%	86.1%	73.9%
2018	33.3%	66.3%	69.5%	56.1%	79.5%	85.8%	80.0%
Overall	**27.9%**	**55.7%**	**68.1%**	**52.6%**	**83.1%**	**82.8%**	**76.0%**

Table 44: 5-Year Retention of University and College Graduates by Institution

Graduation Year	MTA	STU	UdeM	UNB	CCNB	NBCC	NBCCD
2010	19.5%	38.9%	56.5%	41.7%	NA	NA	NA
2011	22.5%	41.7%	60.8%	45.5%	NA	NA	NA
2012	20.2%	44.7%	61.3%	44.1%	NA	NA	NA
2013	19.6%	46.5%	62.7%	46.3%	NA	NA	NA
2014	20.8%	46.6%	62.4%	48.3%	84.5%	74.5%	NA
2015	24.2%	53.1%	64.0%	49.2%	81.8%	76.4%	NA
2016	26.5%	58.4%	61.8%	49.3%	80.7%	79.8%	77.3%
Overall	**21.9%**	**46.8%**	**61.4%**	**46.3%**	**82.3%**	**76.8%**	**77.3%**

Table 45: 10-Year Retention of University and College Graduates by Institution

Graduation Year	MTA	STU	UdeM	UNB
2010	14.3%	31.9%	50.9%	37.3%
2011	16.9%	36.5%	56.2%	40.5%
Overall	**15.7%**	**33.8%**	**53.6%**	**38.9%**