REGISTERED NURSES EDUCATION IN CANADA STATISTICS

2022–2023

Registered Nurse Workforce, Canadian Production: Potential New Supply

November 2024

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Canadian Association
of Schools of Nursing
Association canadienne des
écoles de sciences infirmières

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to provide information on a particular topic or topics.
The views and opinions expressed in this report do not necessarily reflect the views of the
CASN board of directors.

Message from the Executive Director

The Canadian Association of Schools of Nursing (CASN) is pleased to present *Registered Nurses Education in Canada Statistics, 2022–2023 — Registered Nurse Workforce, Canadian Production: Potential New Supply*.

This annual report supports health human resources planning in both the nursing service and nursing education sectors. It represents the fruit of a strong partnership among national and provincial and territorial bodies and effective collaborative relationships with multiple partners.

The report provides data and statistical analysis of

- the number of pre-licensure graduates eligible to apply for initial licensure/registration and enter the registered nurse (RN) workforce;
- the number of RNs obtaining graduate qualifications;
- the number of nurse practitioner (NP) graduates;
- innovations in nursing education program access and delivery;
- the composition of faculty delivering nursing education; and
- faculty retention and recruitment.

We extend our sincere thanks to the contributing faculty and staff of the schools of nursing for their effort, commitment, and collaboration. Without their annual support, this collection could not exist. We would also like to thank CASN members and the College of Nurses of Ontario, who contributed to question testing, and the Ordre des infirmières et infirmiers du Québec, which provided additional data for Quebec.

We look forward to hearing your comments about the report.

Yours sincerely,

Jean Daniel Jacob
Executive Director
Canadian Association of Schools of Nursing

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Introduction

The *Registered Nurses Education in Canada Statistics* report is a product of the *National Student and Faculty Survey of Canadian Schools of Nursing* (NSFS), and it is the only longitudinal national collection of nursing education data in Canada. The report includes entry-to-practice education programs for registered nurses (RNs), as well as master's and doctoral nursing programs and programs for nurse practitioners (NPs). Data have been collected on RN students and faculty since 1963.

National Student and Faculty Survey of Canadian Schools of Nursing (*NSFS*)

The *Registered Nurses Education in Canada Statistics* report of the NSFS focuses on two main elements: programs and faculty. Program elements provide data about the number of students admitted, enrolled, and graduating from nursing programs; the types of programs offered; and the approaches to program delivery. Faculty elements include numbers of faculty, types of faculty, their employment status, level of education attained and in progress, age cohort, and information on recruitment and retirement.

This publication provides an analytical report of the 2022–2023 data collected from the RN and NP portions of the NSFS. The key program findings are presented for 2022–2023, followed by the key RN faculty findings for 2023. The detailed 2022–2023 results are then presented. The results include data from the survey as well as data obtained from the Ordre des infirmières et infirmiers du Québec (OIIQ), added to offset survey under-reporting of admission and graduate data for Quebec's entry-to-practice diploma programs. The inclusion of the OIIQ data, in combination with the results of the NSFS, permits a pan-Canadian analysis.

Note: In order to ensure clarity, the OIIQ data are used for both the admissions and graduate data points for entry to practice in all sections of this report.

Survey Distribution and Response

The 2022–2023 NSFS survey was issued to all 137 schools of nursing in Canada offering entry-to-practice (ETP) pre-licensure education (entitling successful graduates to apply for initial licensure/registration as an RN), post-RN licensure baccalaureate programs, NP education, and/or graduate RN education.

Of the 137 schools, 96 schools completed the survey, including 90 of a possible 95 CASN members. Of the 96 schools, six were CÉGEPs. The overall survey response rate was 70.1%; the CASN member response rate was 94.7%. See the tables starting on page 23 for more detailed information about omitted or unusable data. On average, 69.0% of schools responded to the faculty questions.

Data Comparison Time Frames

Program inventory, admission, and enrolment data were collected for the 2022–2023 academic year. Unless otherwise stated, increases or decreases noted in the report are in relation to 2021–2022 data.

Graduate data were collected for calendar year 2023. Unless otherwise stated, increases or decreases noted in the 2023 data are in relation to the 2022 survey data.

Faculty data were also collected for calendar year 2023. Unless otherwise stated, comparisons of faculty data with previous results are in relation to 2022 data.

Data are unavailable for some tables for 2018–2019 and 2019 because of a low response rate due to the COVID-19 pandemic.

Survey Methodology

See the Appendix for methodological information.

2022–2023 Key Program Findings

This section of the report highlights key findings regarding education programs in 2022–2023. It reveals trends related to the numbers of new graduates being prepared to enter the workforce as well as the modalities and educational level of the program they are enrolled in across the country.

Entry-to-Practice Programs

Entry-to-practice (ETP) programs entitle the successful graduate to apply for initial licensure/registration as an RN.

Program inventory and admissions are 2022–2023 data as compared with 2021–2022 data.

- All 96 schools (100%) offered an ETP program.
- 88 of the 96 schools (91.7%) offered ETP baccalaureate programs.
- ETP baccalaureate programs were offered in every province and territory except for the Yukon, where no RN education programs exist.
- 37 colleges partnered with a university to deliver ETP baccalaureate programs; two colleges in British Columbia, one college in Manitoba, and two colleges in Ontario granted ETP baccalaureate degrees autonomously.

ETP Admissions

- 19,631 students entered ETP programs in 2022–2023, an increase of 18.2% (from 16,609) (Figure A).

Figure A

Admissions to Entry-to-Practice Programs, 2008–2009 to 2022–2023
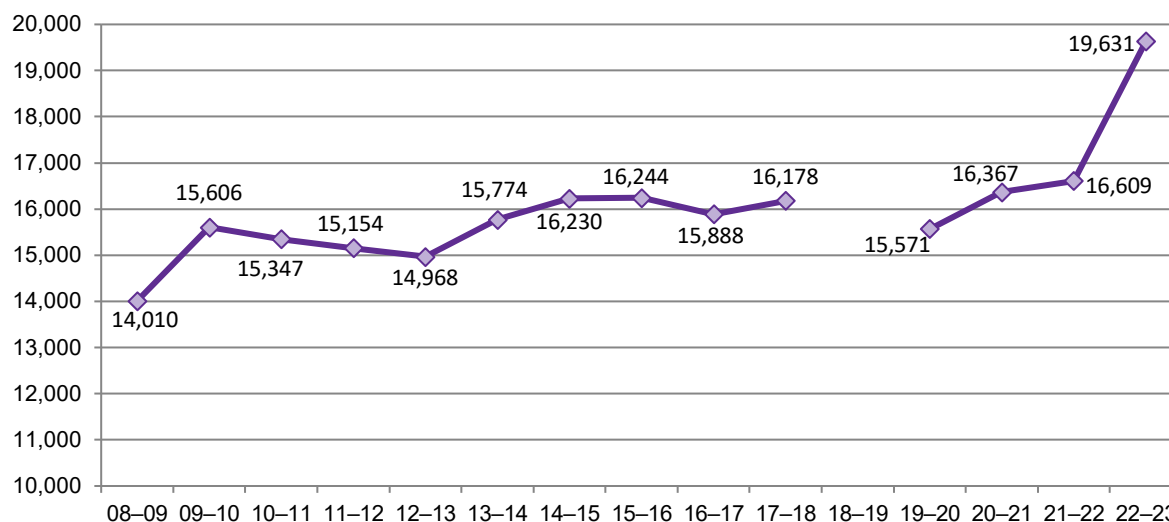
Note. Data for the following years include small changes due to corrections submitted from OIIQ and schools: 2019–2020, 2020–2021, and 2021–2022. Practical nurse to registered nurse bridging programs were not included in the 2021–2022 survey year due to a change in survey structure.

Sources: *National Student and Faculty Survey of Canadian Schools of Nursing*; Ordre des infirmières et infirmiers du Québec.

ETP Graduates

- The number of graduates increased in 2023 to 11,923, a 4.8% increase compared with 2022 (11,379).

Figure B

Graduates From Entry-to-Practice Programs, 1963 to 2023
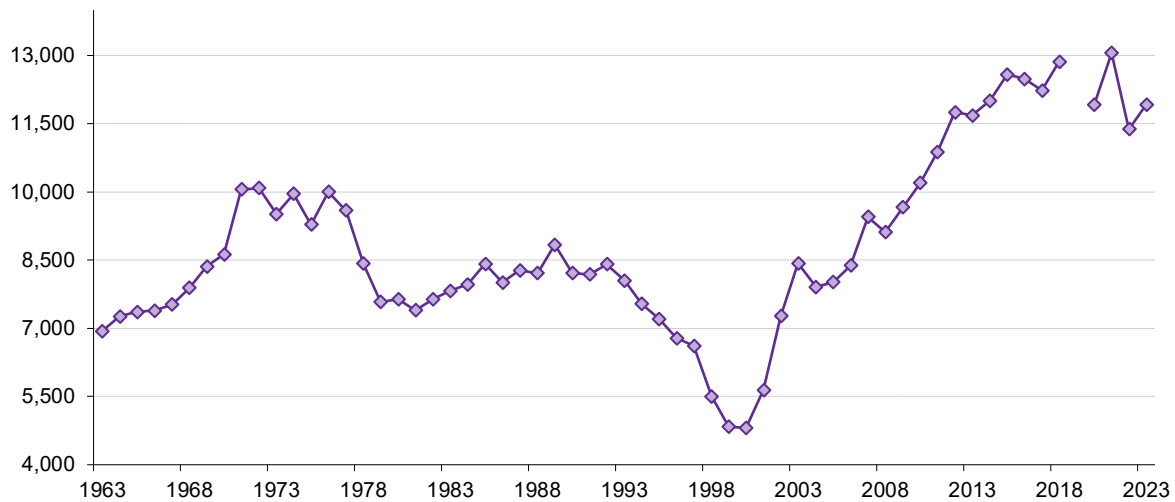
Note. Data for the following years include small changes due to corrections submitted from OIIQ and schools: 2020, 2021, and 2022. Practical nurse to registered nurse bridging programs were not included in the 2022 survey year due to a change in survey structure.

Sources: *National Student and Faculty Survey of Canadian Schools of Nursing*; Ordre des infirmières et infirmiers du Québec.

Table A

Percent Change of Number of Graduates From Entry-to-Practice Programs by Jurisdiction, 2018 to 2023

| Jurisdiction	2018	% change 2017	2020	% change 2019	2021	% change 2020	2022	% change 2021	2023	% change 2022
Newfoundland and Labrador	239	6.7	189	…	210	10.5	231	9.5	236	2.2
Prince Edward Island	*	8.3	*	…	*	19.4	*	-6.5	*	..
Nova Scotia	462	14.4	438	…	407	−7.3	401	-1.5	392	-2.2%
New Brunswick	144	−28.7	148	…	198	28.9	175	-12.3	229	30.9%
Quebec	3,279	3.9	3,005	…	3,245	−6.5	2,986	31.1	2,638	-11.7%
Ontario	4,676	9.6	4,076	…	4,824	16.8	3,539	-30.8	4,414	24.7%
Manitoba	392	−7.1	434	…	470	8.0	482	2.5	445	-7.7%
Saskatchewan	550	−6.9	592	…	532	−10.7	502	-5.8	575	14.5%
Alberta	1,416	−3.3	1,438	…	1,428	−1.0	1,484	3.8	1,655	11.5%
British Columbia	1,614	10.1	1,476	…	1,645	11.4	1,485	-10.2	1,316	-11.4%
Northwest Territories	*	−25.0	*	…	*	0.0	*	-25.6	*	17.6
Nunavut	*	100.0	*	…	*	−18.2	*	-50	*	0
Yukon (no programs)	…	…	…	…	…	…	…	…	…	…
Canada	**12,863**	**5.2**	**11,923**	**-**	**13,053**	**5.9**	**11,379**	**−2.7**	**11,923**	**4.8**

* Value suppressed in accordance with CASN privacy policy; cell value is between 1 and 4, or value suppressed to ensure confidentiality; cell value is 5 or greater

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Sources: *National Student and Faculty Survey of Canadian Schools of Nursing*; Ordre des infirmières et infirmiers du Québec.

Post-RN Programs

- 16.7% of schools (16 of 96 schools) offered one or more post-RN baccalaureate programs for diploma-trained nurses wishing to obtain a baccalaureate degree in nursing or nursing science.
- Post-RN programs were not reported by Newfoundland and Labrador, Prince Edward Island, New Brunswick, Saskatchewan, the Northwest Territories, Nunavut, or the Yukon.
- 2,020 diploma-trained RNs graduated from post-RN baccalaureate programs in 2023, representing a 32.2% increase from 2022 (Figure C).

Figure C

Graduates From Post-RN Baccalaureate Programs, 2013 to 2023
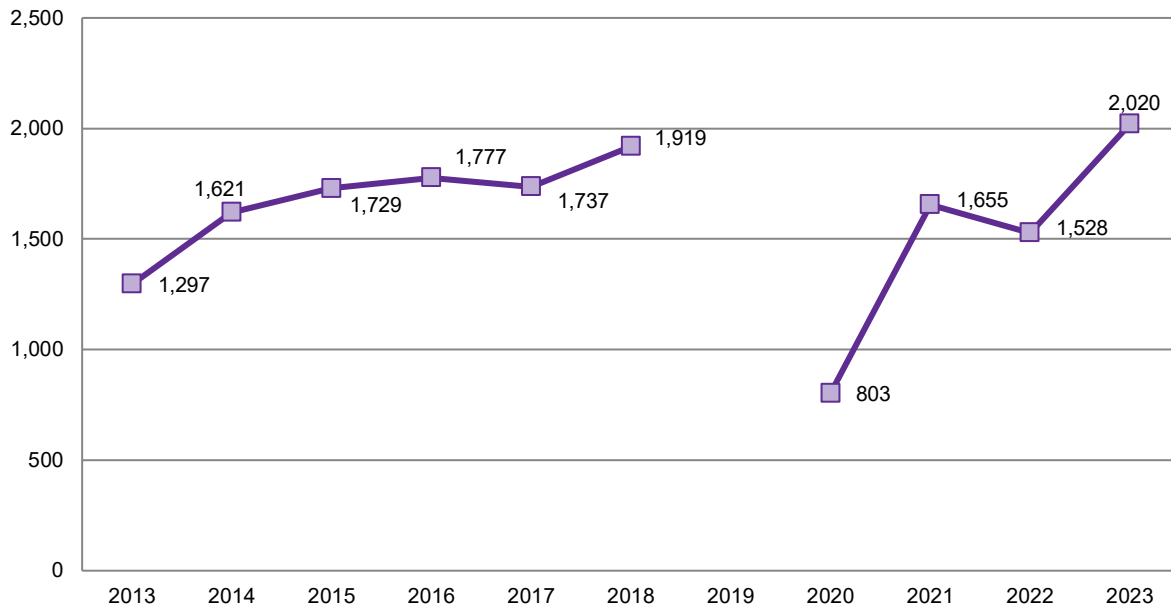
Source: *National Student and Faculty Survey of Canadian Schools of Nursing*.

Master's and Doctoral Programs

- 37.5% of schools (36 of 96 schools) offered one or more master's programs; master's programs were not available in the Northwest Territories, Nunavut, or the Yukon.
- 20.8% of schools (20 of 96 schools) offered doctoral programs in 2022–2023.
- 1,013 students were admitted to master's programs, a 15.4% increase since 2021–2022 (Figure D).
- 897 RNs graduated from master's programs, a 4.9% increase from 2022 (Figure E).
- Admissions to doctoral programs increased by 59.5% from 2021–2022 (Figure D).
- The total number of graduates from doctoral programs was 79 graduates in 2023 as compared with 73 in 2022, an increase of 8.2% (Figure E).

Figure D

Admissions to Master's and Doctoral Programs, 2018–2019 to 2022–2023
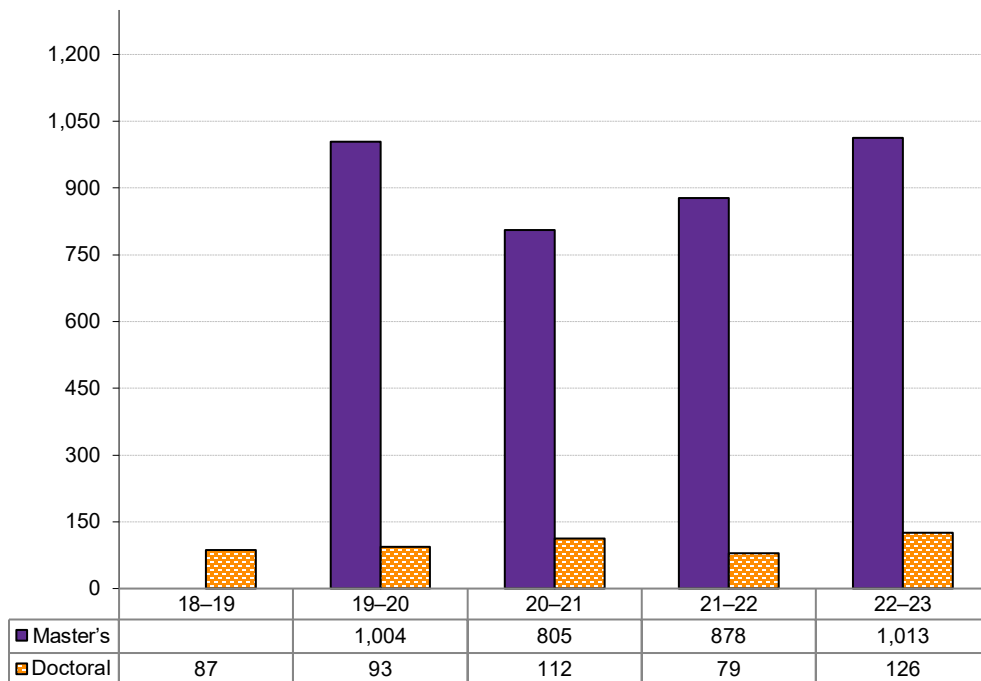
	18–19	19–20	20–21	21–22	22–23
■ Master's		1,004	805	878	1,013
☐ Doctoral	87	93	112	79	126

Note. Data for the 2021–2022 year include small changes due to corrections submitted from a school in Ontario. Doctor of nursing programs were not included in the 2021–2022 survey year due to a change in survey structure.

Source: *National Student and Faculty Survey of Canadian Schools of Nursing*.

Figure E

Graduates From Master's and Doctoral Programs, 2018 to 2023
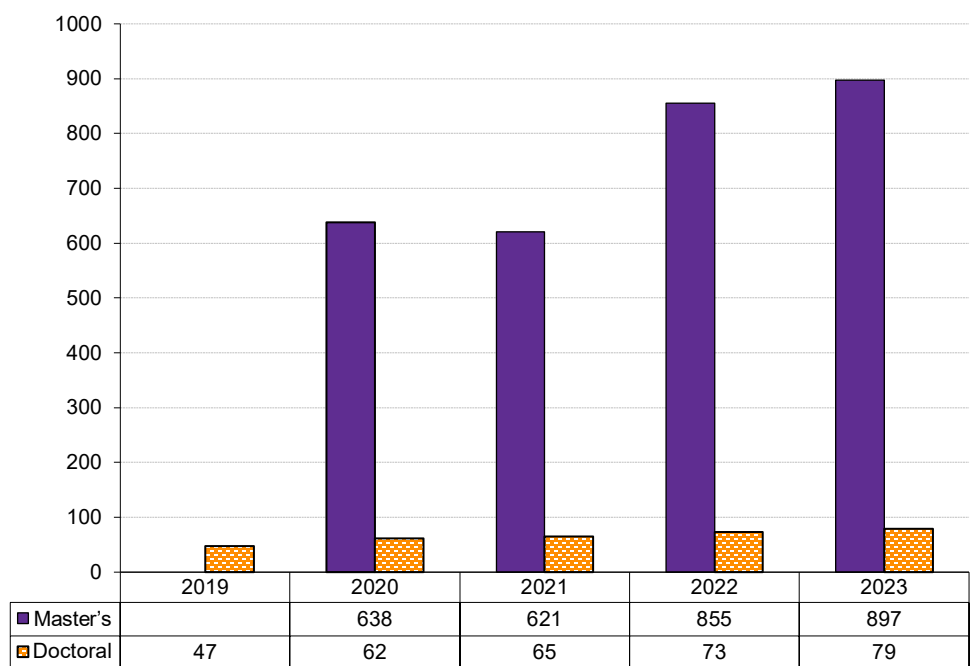
	2019	2020	2021	2022	2023
■ Master's		638	621	855	897
▩ Doctoral	47	62	65	73	79

Note. Data for the 2021–2022 year include small changes due to corrections submitted from a school in Ontario. Doctor of nursing programs were not included in the 2021–2022 survey year due to a change in survey structure.

Source: *National Student and Faculty Survey of Canadian Schools of Nursing*.

Nurse Practitioner Programs

Nurse practitioner (NP) programs are offered at two educational levels: master's and post-master's.

- 30.2% of schools (29 of 96 schools) offered one or more NP programs.
- NP programs were reported in all provinces and territories, except for the Northwest Territories, Nunavut, and the Yukon.
- The number of students admitted to NP programs decreased 2.2% in 2022–2023, with 927 students entering a variety of NP programs (Figure F).
- Graduate levels for NP programs increased by 10.3% in 2023, with 892 graduates in 2023 as compared with 809 in 2022. (Figure G).

Figure F

Admissions to Nurse Practitioner Programs, 2018–2019 to 2022–2023
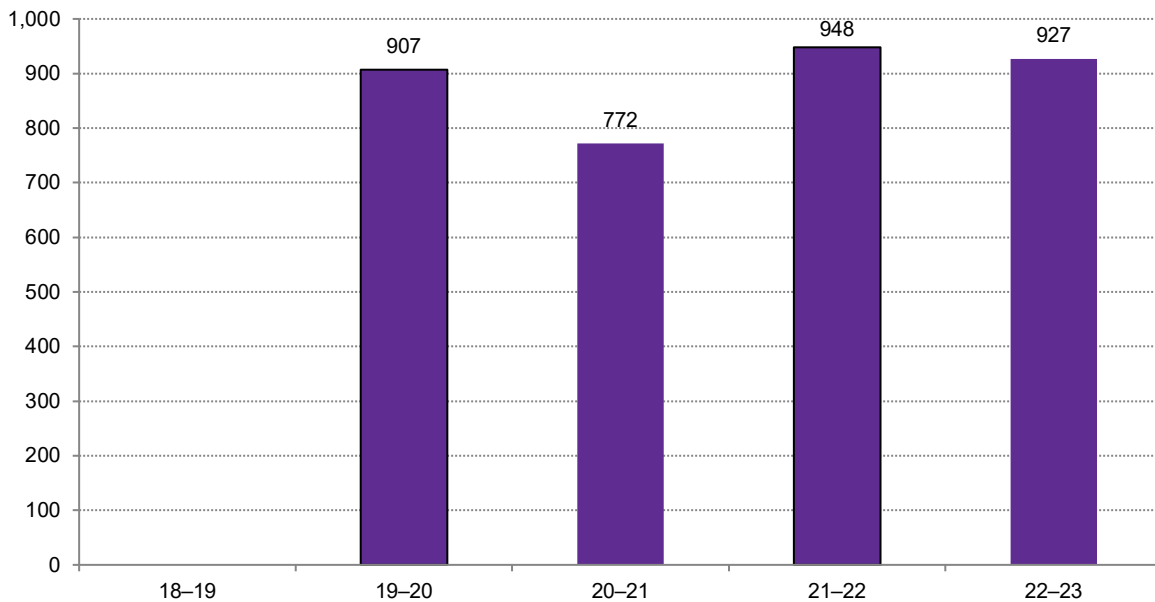
Source: *National Student and Faculty Survey of Canadian Schools of Nursing*.

Figure G

Graduates From Nurse Practitioner Programs, 2018 to 2023
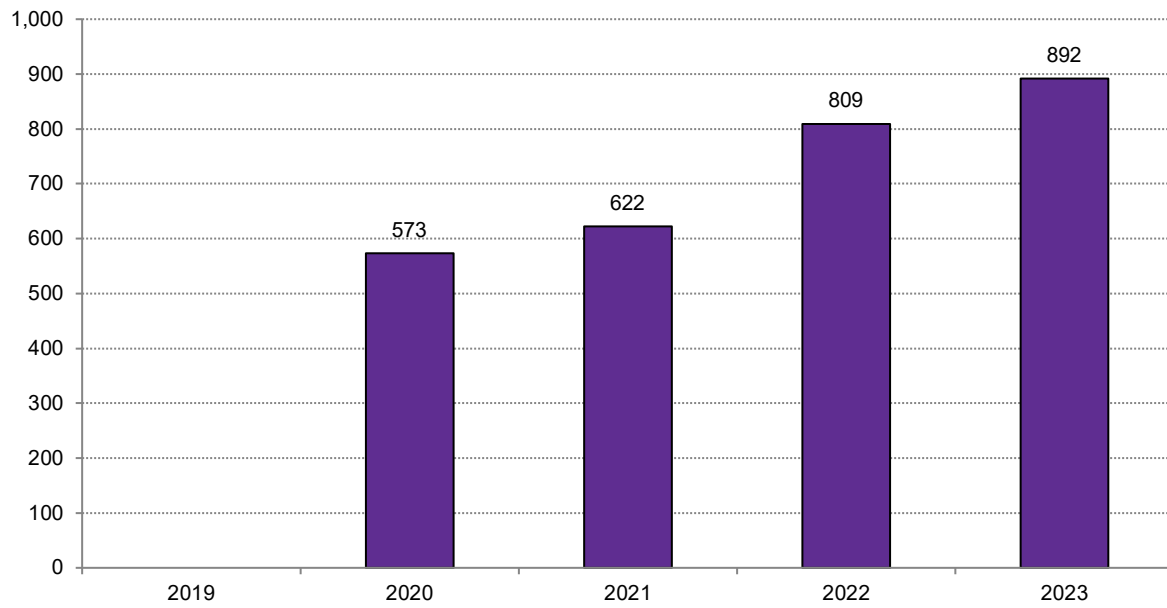
Source: *National Student and Faculty Survey of Canadian Schools of Nursing.*

Approaches to Program Delivery

Accelerated or Compressed ETP Programs

Accelerated or compressed ETP programs allow students to complete an ETP baccalaureate degree in under 4 years. To do so, these programs offer courses throughout the spring and summer months and admit students who have already completed some of the program requirements, typically some of the foundational non-nursing course requirements. A variety of fast-track ETP programs are being offered, including those identified as *accelerated*, *fast-track*, *compressed*, *second-degree entry*, *advanced entry*, and *bridging* programs.

Note: The usual ETP baccalaureate program duration of 4 years may not be the standard program length for all ETP baccalaureate programs in Quebec. As a result, Quebec ETP programs are not counted as fast-tracked unless the school identifies the program as such.

- 25.0% of schools (24 of 96 schools) offered one or more ETP accelerated programs in 2022–2023 (Table B).

Table B

Number of Schools Offering Accelerated Entry-to-Practice Programs by Jurisdiction, 2022–2023

	Canada	NL	PE	NS	NB	QC	ON	MB	SK	AB	BC	NT	NU	YT
No. of schools offering accelerated ETP programs	24	2	1	2	1	0	9	3	2	3	1	0	0	…

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Source: *National Student and Faculty Survey of Canadian Schools of Nursing*.

Distance Education Options

For the purposes of this report, distance education (DE) is used to describe programs offered wholly electronically or in a blended model that incorporates online and face-to-face delivery.

- 40.1% of all programs (93 of 232 programs) used some form of DE (Table C).
- Some DE delivery was used in 65.6% of all NP programs and in 63.2% of master's programs. Of Canada's 23 doctoral (PhD and DN) programs, 56.2% used some DE options.

Table C

Number and Types of Programs Using Some Distance Education by Jurisdiction, 2022–2023

Jurisdiction	ETP baccalaureate	Post-RN baccalaureate	Master's	Doctoral	NP	Total all programs
Newfoundland and Labrador	2	…	1	…	1	3
Prince Edward Island	..	…	..	…	..	..
Nova Scotia	2	1	1	1	1	5
New Brunswick	1	…	2	…	2	4
Quebec	4	4	3	1	3	15
Ontario	6	2	7	4	6	22
Manitoba	1	1	1	1	1	5
Saskatchewan	3	…	1	1	3	11
Alberta	4	1	3	2	2	15
British Columbia	1	1	5	3	2	11
Northwest Territories	1	…	…	…	…	0
Nunavut	…	…	…	…	…	0
Yukon (no programs)	…	…	…	…	…	…
DE program total	**25**	**10**	**24**	**13**	**21**	**93**
Canada: Program total (see Table 1, p. 23)	**122**	**17**	**38**	**23**	**32**	**232**
DE programs as a % of Canada program total	*20.5*	*58.8*	*63.2*	*56.5*	*65.6*	*40.1*

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Source: *National Student and Faculty Survey of Canadian Schools of Nursing.*

2023 Key RN Faculty Findings

The supply of RN faculty is a major factor affecting the capacity of programs to educate nurses (Med-Emerg, 2006). It is influenced by retirement of existing faculty, the inflow of newly prepared faculty, and variables such as the ability to attract and retain qualified faculty.

RN or nursing faculty encompasses different types of nursing educators. For the purposes of this report:

- *permanent faculty* refers to permanent full-time or part-time faculty who teach nursing courses;
- *long-term contract faculty* refers to contract faculty who hold contracts of one academic year or longer who teach nursing courses;
- *short-term contract faculty* refers to faculty who hold contracts of less than one academic year who teach nursing courses; and
- *RN faculty* and *faculty* refer to all of the above.

RN Faculty Demographics

- 8,943 RN faculty members were employed by schools of nursing in 2023.

- Only 30.2% of faculty members are permanent: 2,699 of the 8,943 RN faculty (Table D).

- 47.2% of permanent faculty were 50 years of age or older; 17.6% were 60 years of age or older (Table E).

- RN faculty are older than the general RN workforce, with the percentage of RN permanent faculty in the 50+ age cohort 44.1% higher than the percentage of RNs in the 50+ age cohort in the RN workforce (Table E).

- A decreasing percentage of RN permanent faculty were in the 50+ age cohort (Table F). This portion of the permanent faculty population has been decreasing slightly over the last 5 years, which demonstrates that permanent faculty are generally younger than in previous years.

Faculty data are 2023 data as compared with 2022 data.

The response rate for the question about age cohorts was 70.5% (67 of 95 schools). The response rate for the questions about employment status was 64.2% (88 of 137 schools).

Note: Questions that indicate a response rate from the 95 schools do not include data from schools that offer only an RN ETP diploma program.

Table D

Number of Faculty by Employment Status, 2023

Faculty category	Number of faculty	% of faculty workforce
Permanent faculty	2,699*	30.2
Long-term contract faculty	500*	5.6
Short-term contract faculty	5,744	64.2
Total faculty workforce	8,943	100.0

*See tables 10 and 14

Source: *National Student and Faculty Survey of Canadian Schools of Nursing*.

Table E

Age Category Percentages for 2023 RN Workforce Compared to 2023 RN Permanent Faculty

Age category	% of RN workforce, 2023	% of RN permanent faculty, 2023
<40	46.5	16.4
40–49	23.0	36.4
50–59	19.7	30.0
60+	10.7	17.6

Note. RN workforce percentages do not add to 100 due to "unstated." The RN workforce data are the most recent available at the time of publication.

Sources: *National Student and Faculty Survey of Canadian Schools of Nursing*; Canadian Institute for Health Information (2024).

Table F

Comparison of RN Permanent Faculty Age Cohorts, 2019 to 2023

Age cohort	2019	2020	2021	2022	2023	*% change 2022 to 2023*
<40	..	15.2	20.4	16.9	16.4	*−3.0*
40–49	..	32.5	29.6	32.3	36.4	*12.7*
50–59	..	32.4	30.4	32.9	30.0	*−8.8*
60+	..	19.9	19.6	19.9	17.6	*−11.6*

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Source: *National Student and Faculty Survey of Canadian Schools of Nursing*.

RN Faculty Recruitment and Retirement

The data collected on questions concerning faculty recruitment and retirement have implications for future faculty supply, particularly when examined in relation to the numbers of current enrolments in graduate programs.

- 77 permanent RN faculty retired in 2023.
- 10.4% (8 of the 77) were under age 60.
- 73 permanent RN faculty left for reasons other than retirement.
- 17.6% of permanent RN faculty aged 60 or older were eligible to retire (Table F).
- Schools were unable to fill 45 permanent positions. This is a decrease from 58 unfilled positions in 2022. See Table E for full-time faculty count.
- Schools projected a need to hire 310 permanent and long-term contract faculty in 2023 (Table G), a decrease from 425 in 2023.

Table G

Full-Time RN Faculty Hiring Projections for 2023

	Canada	NL	PE	NS	NB	QC	ON	MB	SK	AB	BC	NT	NU	YT
Permanent faculty, # of hires projected	200	3	..	9	4	11	47	14	38	32	41	*	*	…
Long-term contract faculty, # of hires projected	110	3	..	3	5	7	23	8	0	27	29	*	*	…

* Value suppressed in accordance with CASN privacy policy; cell value is between 1 and 4, or value suppressed to ensure confidentiality; cell value is 5 or greater

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Source: *National Student and Faculty Survey of Canadian Schools of Nursing.*

The response rate for the question about recruitment projections of full-time faculty was 78.9% (75 of 95 schools). The response rate for the question about actual retirement of permanent faculty was 69.5% (66 of 95 schools).

RN Faculty Academic Upgrading

- 7.4% of permanent and long-term contract faculty RN faculty (237 faculty members) were engaged in academic upgrading programs ranging from baccalaureate to post-doctoral studies. These studies took place in schools in and outside of Canada (Table H).
- The majority of faculty who were upgrading educational qualifications were enrolled in master's (36.7%) or doctoral (55.7%) programs.

The response rate for the question about the number of full-time faculty engaged in academic upgrading was 72.6% (69 of 95 schools).

Table H

Full-Time Faculty Engaged in Academic Upgrading, 2023

	Permanent		Long-term contract		
	In Canada	Outside Canada	In Canada	Outside Canada	Total
Baccalaureate degree in nursing	0	0	0	0	0
Baccalaureate degree in other discipline	0	0	0	0	0
Master's degree in nursing	42	6	26	0	74
Master's degree in other discipline	9	2	2	0	13
Doctoral degree in nursing	74	4	16	0	94
Doctoral degree in other discipline	31	1	5	1	38
NP (master's or post-master's)	6	0	3	0	9
Post-doctoral study in nursing	6	1	0	0	7
Post-doctoral study in other discipline	1	1	0	0	2

Source: *National Student and Faculty Survey of Canadian Schools of Nursing.*

Number of RN Faculty and Type of RN Faculty Contracts in Place

- Schools employed 8,943 faculty members (Table D).
- 30.2% of the faculty held permanent positions (Table D).
- 5.6% of faculty held contracts of one academic year or longer (Table D).
- 64.3% of the faculty currently teaching in nursing programs were employed in a short-term contract capacity (Table D).

The response rate for the two questions concerning the number of contracts in place was 64.2% (88 of 137 schools).

Number of RN Faculty on Leave

The survey question concerning faculty leave captures the number of permanent faculty on any school-approved leave of absence. An approved leave includes, but is not restricted to, parental leave, sick leave, compassionate leave, and sabbatical leave.

- 7.3% of permanent faculty (198 members) were on leave (Table I).

The response rate for the question about number of permanent faculty on leave was 64.2% (61 of 95 schools).

Table I

Full-Time Permanent RN Faculty on Leave, 2023

	Canada	NL	PE	NS	NB	QC	ON	MB	SK	AB	BC	NT	NU	YT
# of permanent RN faculty	2,699	84	..	111	60	531	671	129	221	290	595	*	*	…
# of permanent RN faculty on leave	198	5	..	4	12	15	38	9	23	24	64	*	*	…
% on leave		6.0	..	3.6	20.0	2.8	5.7	7.0	10.4	8.3	10.8	21.4	33.3	…

* Value suppressed in accordance with CASN privacy policy; cell value is between 1 and 4, or value suppressed to ensure confidentiality; cell value is 5 or greater

.. Figure not available

… Figure not appropriate or not applicable

Source: *National Student and Faculty Survey of Canadian Schools of Nursing*.

Faculty Recruitment Factors

Schools were asked to identify factors that affect their ability to recruit full-time faculty. The data reveal many shared experiences across geographic location; when the data are broken down by region, however, similarities emerge in the factors reported in Northern and rural areas.

Factors in Northern and Rural Areas

Schools in Northern and rural areas reported that the biggest factors limiting their ability to recruit faculty were:

- lack of NP, master's, and doctorally prepared candidates;
- lower salaries and fewer benefits; and
- remote location and small community size.

Pan-Canadian Recruitment Factors

Schools across Canada identified similar factors as a challenge limiting their ability to recruit new faculty. The three main concerns are presented in Table J. Also noted was the lack of applicants with sufficient proficiency in both official languages and with Indigenous knowledge or other specialties.

While a shortage of doctorally prepared nurses applying to open positions was frequently noted, schools in rural and smaller urban areas and those from provinces without doctoral programs were more likely to report this issue. Competition between colleges and universities to attract faculty was also noted.

Table J

Recruitment Factors, 2023

Recruitment factors	% of respondents reporting factor
Lower salaries and fewer benefits for faculty, especially as compared with salaries available in practice settings	40.6
A shortage of nurse practitioner, master's, and doctorally prepared nurses seeking academic positions	39.1
Location: Low attraction to Northern and rural locations or high cost of living in metropolitan areas	36.2
Competition with other sectors and schools	20.3
No issues recruiting faculty	13.0

Source: *National Student and Faculty Survey of Canadian Schools of Nursing*.

The response rate for the question about issues affecting the recruitment of full-time faculty was 72.6% (69 of 95 schools).

Summary of Key Program and RN Faculty Findings

- The number of graduates from ETP programs increased in 2023 to 11,923, a 4.8% increase compared with 2022 (11,379).
- Admissions increased in 2022–2023; 19,631 students entered ETP programs, an increase of 18.2% from 16,609 in 2021–2022.
- 33.8% of all programs reported using some distance education delivery, which may be improving student access.
- Increased graduate program admissions need to be sustained to avoid a potential faculty shortage as the following data indicate:
  - 47.2% of faculty were in the 50+ age cohort.
  - 17.6% of faculty were in the 60+ age cohort.
  - 77 permanent faculty retired in 2023.
  - There were 79 graduates from doctoral (PhD and DN) programs in 2023.
  - Currently, there are 613 students enrolled in doctoral nursing programs in Canada, at least 110 of whom are current faculty members. The potential future supply of new faculty from current doctoral enrolment in Canada is therefore 503.

2022–2023 Results

The 2022–2023 survey was issued to the 137 schools of nursing offering ETP pre-licensure education entitling successful graduates to apply for initial licensure/registration as an RN or for post-RN, NP, and graduate RN education. It was completed by 96 schools, including 90 of a possible 95 CASN members.

The overall survey response rate was 70.1%; the CASN member response rate was 94.7%. See the tables starting on page 23 for more detailed information about omitted or unusable data. On average, 69.0% of schools responded to the faculty questions.

Different collection periods and methodologies and under-reporting from a small proportion of schools may result in differences between the records of a provincial or territorial government or regulatory body and the data from the *National Student and Faculty Survey of Canadian Schools of Nursing*.

The following tables represent data as reported by each of the participating schools and do not include data from other sources. CASN is not responsible for errors in data reported by schools.

Note: In order to ensure clarity, the OIIQ data are used for both the admissions and graduate data points for ETP in all sections of this report.

It is important to read the notes that accompany each table as well as the section "Methodological Notes" on page 57, which contains information pertinent to all of the tables. The full survey methodology and definitions are in the Appendix.

Table 1

Education Programs by Province and Territory – Schools Offering Diploma, Undergraduate, and Graduate Programs, 2022–2023, by Program Category

Baccalaureate collaborative partnerships are shown by indenting the name of the partner school under that of the degree-granting institution.

	Diploma	PN-to-RN bridge	Bacc.	Post-RN	Master's	PhD	DN	NP
Newfoundland and Labrador								
Memorial University of Newfoundland			✓		✓	✓		✓
Centre for Nursing Studies		✓	✓					
Western Regional School of Nursing			✓					
Prince Edward Island								
University of Prince Edward Island		✓	✓		✓			✓
Nova Scotia								
Cape Breton University		✓	✓					
Dalhousie University			✓		✓	✓		✓
St. Francis Xavier University		✓	✓	✓				
New Brunswick								
Université de Moncton		✓	✓		✓			✓
University of New Brunswick		✓	✓		✓			✓
Quebec								
Abitibi-Témiscamingue, CÉGEP	✓							
Alma, CÉGEP	✓							
André-Laurendeau, CÉGEP	✓							
Baie-Comeau, CÉGEP	✓							
Beauce-Appalaches, CÉGEP	✓							
Bois-de-Boulogne, CÉGEP	✓							
Champlain, CÉGEP	✓							
Chicoutimi, CÉGEP	✓							
Dawson, CÉGEP	✓							
Drummondville, CÉGEP	✓							
Édouard-Montpetit, CÉGEP	✓							
François-Xavier-Garneau, CÉGEP	✓							
Gaspésie, CÉGEP	✓							
Granby Haute-Yamaska, CÉGEP	✓							
Heritage, CÉGEP	✓							
John-Abbott, CÉGEP	✓							
Jonquière, CÉGEP	✓							
La Pocatière, CÉGEP	✓							
Lévis-Lauzon, CÉGEP	✓							
Limoilou, CÉGEP	✓							
Maisonneuve, CÉGEP	✓							
Matane, CÉGEP	✓							
McGill University			✓	✓	✓	✓		✓

	Diploma	PN-to-RN bridge	Bacc.	Post-RN	Master's	PhD	DN	NP
Montmorency, CÉGEP	✓							
Outaouais, CÉGEP	✓							
Régional de Lanaudière, CÉGEP	✓							
Rimouski, CÉGEP	✓							
Rivière-du-Loup, CÉGEP	✓							
Sainte-Foy, CÉGEP	✓							
Saint-Félicien, CÉGEP	✓							
Saint-Hyacinthe, CÉGEP	✓							
Saint-Jean-sur-Richelieu, CÉGEP	✓							
Saint-Jérome, CÉGEP	✓							
Saint-Laurent, CÉGEP	✓							
Sept- Îles, CÉGEP	✓							
Shawinigan, CÉGEP	✓							
Sherbrooke, CÉGEP	✓							
Sorel-Tracy, CÉGEP	✓							
Thetford, CÉGEP	✓							
Trois-Rivières, CÉGEP	✓							
Université Laval			✓	✓	✓	✓		✓
Université de Montréal			✓	✓	✓	✓		✓
Université de Sherbrooke			✓	✓	✓			✓
Université du Québec à Chicoutimi			✓	✓	✓			✓
Université du Québec à Rimouski				✓	✓			
Université du Québec à Trois-Rivières			✓	✓	✓			✓
Université du Québec en Abitibi-Témiscamingue				✓				✓
Université du Québec en Outaouais	✓		✓	✓	✓	✓		✓
Valleyfield, CÉGEP	✓							
Vanier, CÉGEP	✓							
Victoriaville, CÉGEP	✓							

Ontario

	Diploma	PN-to-RN bridge	Bacc.	Post-RN	Master's	PhD	DN	NP
Brock University			✓		✓			
Loyalist College		✓	✓					
Collège La Cité								
Confederation College		✓	✓					
Humber College		✓	✓					
Lakehead University			✓		✓			✓
Seven Generations Educational Institute			✓					
Laurentian University / Université Laurentienne			✓	✓	✓			✓
Cambrian College			✓					
Northern College			✓					
St. Lawrence College			✓					
Sault College			✓					
McMaster University			✓		✓	✓		✓
Conestoga College			✓					
Mohawk College			✓					
Nipissing University		✓	✓					
Canadore College		✓	✓					

	Diploma	PN-to-RN bridge	Bacc.	Post-RN	Master's	PhD	DN	NP
Ontario Tech University		✓	✓		✓			
Georgian College		✓	✓					
Durham College		✓	✓					
Queen's University			✓		✓	✓		✓
Toronto Metropolitan University		✓	✓	✓	✓			✓
Centennial College		✓	✓					
George Brown College		✓	✓					
Trent University		✓	✓		✓			
Fleming College			✓					
University of Ottawa / Université d'Ottawa		✓	✓		✓	✓		✓
Algonquin College			✓					
University of Toronto			✓		✓	✓	✓	✓
University of Western Ontario			✓		✓	✓		✓
Fanshawe College			✓					
University of Windsor		✓	✓		✓	✓		✓
Lambton College		✓	✓					
St. Clair College		✓	✓					
York University			✓	✓	✓	✓		✓
Georgian College			✓					
Seneca College		✓	✓					
Manitoba								
Brandon University			✓					
Red River College		✓	✓					
Université de Saint-Boniface			✓					
University of Manitoba			✓	✓	✓	✓		✓
University College of the North			✓					
Saskatchewan								
University of Saskatchewan			✓		✓	✓		✓
University of Regina			✓			✓		✓
Saskatchewan Polytechnic		✓	✓					
Alberta								
Athabasca University			✓	✓	✓			✓
MacEwan University			✓					
Mount Royal University			✓					
University of Alberta			✓		✓	✓		✓
Northwestern Polytechnic (formerly Grande Prairie College)			✓					
Keyano College			✓					
Red Deer College		✓	✓					
University of Calgary			✓		✓	✓	✓	✓
Medicine Hat College			✓					
University of Lethbridge			✓		✓			
Lethbridge College			✓					
British Columbia								
British Columbia Institute of Technology			✓					
Douglas College			✓					

	Diploma	PN-to-RN bridge	Bacc.	Post-RN	Master's	PhD	DN	NP
Kwantlen University College			✓					
Langara Community College		✓	✓					
Thompson Rivers University			✓		✓			
Trinity Western University			✓		✓			
University of the Fraser Valley		✓	✓					
University of British Columbia			✓		✓	✓		✓
University of British Columbia — Okanagan		✓	✓	✓	✓	✓		
Okanagan College			✓					
University of Northern British Columbia			✓	✓	✓			✓
College of New Caledonia			✓					
Coast Mountain College			✓					
University of Victoria			✓		✓	✓		✓
Camosun College			✓					
College of the Rockies			✓					
Selkirk College			✓					
Vancouver Community College		✓	✓					
Vancouver Island University		✓	✓					
North Island College			✓					
Northwest Territories								
Aurora College (partnered with University of Victoria for the Baccalaureate)		✓	✓					
Nunavut								
Nunavut Arctic College (partnered with Dalhousie University)			✓					
Yukon: No programs offered								
Canada total	**43**	**32**	**93**	**17**	**38**	**21**	**2**	**32**

Notes

The "Canada total" counts include programs known to be offered by schools that did not respond to the survey.

In this table, *Bacc.* refers to generic baccalaureate programs.

See the Appendix for details on methodology.

Table 2

Admission, Enrolment, and Graduate Data by Program, 2022–2023

Admission and enrolment data are reported by academic year. Graduate data are reported by calendar year.

	Canada	NL	PE	NS	NB	QC	ON	MB	SK	AB	BC	NT	NU	YT
Diploma														
Applications														
	..	…	…	…	…	…	…	…	…	…	…	…	…	…
Admissions														
	3,869	…	…	…	…	3,869	…	…	…	…	…	…	…	…
Enrolment														
	..	…	…	…	…	..	…	…	…	…	…	…	…	…
Graduates, 2023														
	2,041	…	…	…	…	2,041	…	…	…	…	…	…	…	…
Graduates, 2023, as a percentage of total national graduates														
	100	…	…	…	…	100	…	…	…	…	…	…	…	…
PN-to-RN Bridging														
Applications														
	3,021	*	..	*	74	…	2,233	*	*	*	390	*	…	…
Admissions														
	1,071	*	..	*	65	…	871	*	*	*	79	*	…	…
Enrolment														
	3,443	*	..	*	123	…	3,036	*	*	*	167	*	…	…
Graduates, 2023														
	457	*	..	*	35	…	347	*	*	*	50	*	…	…
Graduates, 2023, as a percentage of total national graduates														
	100	*	..	*	7.7	…	75.9	*	*	*	10.1	*	…	…
Baccalaureate														
Applications														
	65,216	1,709	..	921	714	3,384	39,798	1,424	2,032	9,520	5,658	*	*	…
Admissions														
	14,630	290	..	419	270	754	7,301	894	784	2,265	1,479	*	*	…
Enrolment														
	41,979	978	..	1,304	844	1,947	17,636	2,093	2,715	8,748	5,316	*	*	…
Graduates, 2023														
	9,391	224	..	392	194	597	4,067	433	575	1,655	1,266	*	*	…
Graduates, 2023, as a percentage of total national graduates														
	100	2.4	..	4.2	2.1	6.3	43.2	4.6	6.1	17.6	13.4	*	*	…
Post-RN baccalaureate														
Applications														
	5,018	…	…	…	…	3,861	610	*	…	*	395	…	…	…
Admissions														
	1,978	…	…	…	…	1,367	389	*	…	*	70	…	…	…
Enrolment														
	5,284	…	…	*	…	3,592	997	*	…	*	133	…	…	…

	Canada	NL	PE	NS	NB	QC	ON	MB	SK	AB	BC	NT	NU	YT
Graduates, 2023														
	2,020	…	…	*	…	1,524	330	*	…	*	65	…	…	…
Graduates, 2023, as a percentage of total national graduates														
	100	…	…	*	…	75.5	16.3	*	…	*	3.2	…	…	…
Master's														
Applications														
	2,685	*	..	*	32	407	1,175	*	*	586	270	…	…	…
Admissions														
	1,013	*	..	*	16	124	336	*	*	318	119	…	…	…
Enrolment														
	3,097	*	..	*	46	341	821	*	*	1,351	315	…	…	…
Graduates, 2023														
	897	*	..	*	5	95	343	*	*	277	131	…	…	…
Graduates, 2023, as a percentage of total national graduates														
	100	*	..	*	0.6	10.3	38.2	*	*	30.9	14.6	…	…	…
PhD														
Applications														
	266	*	…	*	…	37	75	*	15	53	43	…	…	…
Admissions														
	119	*	…	*	…	9	33	*	15	26	26	…	…	…
Enrolment														
	601	*	…	*	…	72	243	*	32	114	97	…	…	…
Graduates, 2023														
	79	*	…	*	…	11	36	*	5	17	9	…	…	…
Graduates, 2023, as a percentage of total national graduates														
	100	*	…	*	…	13.9	45.6	*	6.3	12.5.	11.4	…	…	…
DN														
Applications														
	23	…	…	…	…	…	*	…	…	*	…	…	…	…
Admissions														
	7	…	…	…	…	…	*	…	…	*	…	…	…	…
Enrolment														
	12	…	…	…	…	…	*	…	…	*	…	…	…	…
Graduates, 2023														
	0	…	…	…	…	…	*	…	…	*	…	…	…	…
Graduates, 2023, as a percentage of total national graduates														
	100	…	…	…	…	…	*	…	…	*	…	…	…	…
NP														
Applications														
	3,034	*	..	*	20	571	1,110	*	203	410	552	…	…	…
Admissions														
	927	*	..	*	11	250	277	*	74	156	80	…	…	…
Enrolment														
	2,375	*	..	*	49	485	680	*	210	626	136	…	…	…

	Canada	NL	PE	NS	NB	QC	ON	MB	SK	AB	BC	NT	NU	YT
Graduates, 2023														
	892	*	..	*	12	239	279	*	51	184	55	…	…	…
Graduates, 2023, as a percentage of total national graduates														
	100	*	..	*	1.5	26.8	31.3	*	5.7	20.6	6.2	…	…	…

* Value suppressed in accordance with CASN privacy policy; cell value is between 1 and 4, or value suppressed to ensure confidentiality; cell value is 5 or greater

.. Figure not available

… Figure not appropriate or not applicable

Notes

- OIIQ data 2022–2023: 3,869 students were admitted to diploma programs and 754 to baccalaureate programs; 2,041 students graduated from diploma programs and 597 from baccalaureate programs. Enrolment numbers are supplied directly from the schools.
- Totals may not add up to 100 due to rounding.
- The admission number was used for applications as well where the application number was not provided by schools.
- While individual students are counted in admissions, enrolment, and graduates, applications are counted by number received and so are higher than the number of individuals submitting applications.

Summary of unavailable data:

Prince Edward Island

PN-to-RN bridging	1 school's admission, enrolment, and graduate data
Baccalaureate	1 school's admission, enrolment, and graduate data
Master's	1 school's admission, enrolment, and graduate data
NP	1 school's admission, enrolment, and graduate data

Quebec

Diploma	43 schools' enrolment data; response rate too low for reporting
Post-RN baccalaureate	1 school's admission, enrolment, and graduate data
Master's	1 school's admission, enrolment, and graduate data
PhD	1 school's admission, enrolment, and graduate data
NP	1 school's admission, enrolment, and graduate data

Ontario

PN-to-RN bridging	1 school's admission, enrolment, and graduate data
Baccalaureate	1 school's admission, enrolment, and graduate data
Master's	1 school's admission, enrolment, and graduate data

| NP | 1 school's admission, enrolment, and graduate data |

British Columbia

Baccalaureate	2 schools' admission, enrolment, and graduate data
Post-RN baccalaureate	1 school's admission and enrolment, and graduate data
Master's	1 school's admission, enrolment, and graduate data
NP	1 school's admission, enrolment, and graduate data

Table 3

Diploma Programs – Admission, Enrolment, and Graduate Data, 2018 to 2023

Admission and enrolment data are reported by academic year. Graduate data are reported by calendar year.

	Canada	NL	PE	NS	NB	QC	ON	MB	SK	AB	BC	NT	NU	YT
Admissions 2018–2019														
	3,656	...	...	...	...	3,656	...	...	...	...	...	...	...	...
2019–2020														
	3,462	...	...	...	...	3,462	...	...	...	...	...	...	...	...
2020–2021														
	3,490	...	...	...	...	3,490	...	...	...	...	...	...	...	...
2021–2022														
	3,818	...	...	...	...	3,818	...	...	...	...	...	...	...	...
2022–2023														
	3,869	...	...	...	...	3,869	...	...	...	...	...	...	...	...
Enrolment														
2018–2019														
	..	...	...	...	...	..	...	...	...	...	...	...	...	...
2019–2020														
	..	...	...	...	...	..	...	...	...	...	...	...	...	...
2020–2021														
	..	...	...	...	...	..	...	...	...	...	...	...	...	...
2021–2022														
	..	...	...	...	...	..	...	...	...	...	...	...	...	...
2022–2023														
	..	...	...	...	...	..	...	...	...	...	...	...	...	...
Graduates														
2019														
	2,386	...	...	...	...	2,386	...	...	...	...	...	...	...	...
2020														
	2,340	...	...	...	...	2,340	...	...	...	...	...	...	...	...
2021														
	2,575	...	...	...	...	2,575	...	...	...	...	...	...	...	...
2022														
	2,321	...	...	...	...	2,321	...	...	...	...	...	...	...	...
2023														
	2,041	...	...	...	...	2,041	...	...	...	...	...	...	...	...

.. Figure not available

... Figure not appropriate or not applicable

Notes

Summary of omitted and unusable data:

2018–2019   Enrolment data unavailable due to COVID-19 pandemic.

2019–2020   Enrolment from 39 schools in Quebec; response rate too low for reporting.

2020–2021   Enrolment from 41 schools in Quebec; response rate too low for reporting.

2021–2022   Enrolment from 44 schools in Quebec; response rate too low for reporting.

2022–2023   Enrolment from 43 schools in Quebec; response rate too low for reporting.

OIIQ reports the following for Quebec diploma programs:

2018–2019   3,656 students were admitted to diploma programs, and 2,658 students graduated from diploma programs. Enrolment data were not reported. *Number of admissions and graduates corrected in 2024 due to new data from OIIQ.*

2019–2020   3,462 students were admitted to diploma programs, and 2,386 students graduated from diploma programs. Enrolment data were not reported. *Number of admissions and graduates corrected in 2024 due to new data from OIIQ.*

2020–2021   3,790 students were admitted to diploma programs, and 2,340 students graduated from diploma programs. Enrolment data were not reported. *Number of admissions and graduates corrected in 2024 due to new data from OIIQ.*

2021–2022   3,818 students were admitted to diploma programs, and 2,321 students graduated from diploma programs. Enrolment data were not reported. *Number of admissions and graduates corrected in 2024 due to new data from OIIQ.*

2022–2023   3,869 students were admitted to diploma programs, and 2,041 students graduated from diploma programs. Enrolment data were not reported.

Table 4

PN-to-RN Bridging Programs – Admission, Enrolment, and Graduate Data, 2023
Admission and enrolment data are reported by academic year. Graduate data are reported by calendar year.

	Canada	NL	PE	NS	NB	QC	ON	MB	SK	AB	BC	NT	NU	YT
Admissions 2022–2023	1,071	*	..	*	65	...	871	...	*	*	79	*	*	...
Enrolment 2022–2023	3,443	*	..	*	123	...	3,036	...	*	*	167	*	*	...
Graduates 2023	457	*	..	*	35	...	347	...	*	*	50	*	*	...

* Value suppressed in accordance with CASN privacy policy; cell value is between 1 and 4, or value suppressed to ensure confidentiality; cell value is 5 or greater

.. Figure not available

... Figure not appropriate or not applicable

Notes

Summary of omitted and unusable data:

2022–2023   Admissions data from 1 school in Prince Edward Island.

Enrolment data from 1 school in Prince Edward Island.

Graduate data from 1 school in Prince Edward Island.

Table 5

Baccalaureate Programs – Admission, Enrolment, and Graduate Data, 2018 to 2023

Admission and enrolment data are reported by academic year. Graduate data are reported by calendar year.

	Canada	NL	PE	NS	NB	QC	ON	MB	SK	AB	BC	NT	NU	YT
Admissions														
2018–2019	..	..	..	..	..	788	..	..	..	..	..	..	..	...
2019–2020	12,109	262	*	466	227	749	5,545	665	691	1,959	1,449	*	*	...
2020–2021	12,877	293	*	484	209	716	6,430	712	664	1,604	1,649	..	..	...
2021–2022	12,791	286	*	482	232	771	6,407	728	724	1,377	1,658	*	*	...
2022–2023	14,691	290	..	419	270	754	7,301	894	784	2,465	1,479	*	*	...
Enrolment														
2018–2019	..	..	..	..	..	..	..	..	..	..	..	..	..	...
2019–2020	43,806	980	*	1,301	712	5,303	18,284	2,060	2,455	7,102	6,051	*	*	...
2020–2021	42,834	983	*	1,394	772	2,835	21,219	2,051	1,720	5,816	5,663	..	..	...
2021–2022	40,384	977	*	1,378	786	1,366	16,910	2,003	2,279	7,433	5,965	*	*	...
2022–2023	41,688	978	..	1,304	844	1,947	17,636	2,093	2,715	8,748	5,316	*	*	...
Graduates														
2019	..	..	..	..	..	630	..	..	..	..	..	..	..	...
2020	9,583	189	*	438	148	665	4,076	434	592	1,438	1,476	*	*	...
2021	10,478	210	*	407	198	670	4,824	470	532	1,428	1,645	..	..	...
2022	9,058	231	*	401	175	665	3,539	482	502	1,484	1,485	*	*	...
2023	9,425	224	..	392	194	597	4,067	433	575	1,655	1,266	*	*	...

* Value suppressed in accordance with CASN privacy policy; cell value is between 1 and 4, or value suppressed to ensure confidentiality; cell value is 5 or greater

.. Figure not available

... Figure not appropriate or not applicable

Notes

2018–2019   Admissions, enrolment, and graduate data unavailable due to the COVID-19 pandemic.

2019–2020   Admissions data from 3 schools in Ontario; 3 schools in British Columbia.

Enrolment data from 1 school in Quebec; 3 schools in Ontario; 3 schools in British Columbia.

Graduate data from 3 schools in Ontario; 3 schools in British Columbia.

2020–2021   Admissions data from 2 schools in Alberta.

Enrolment data from 2 schools in Quebec; 2 schools in Alberta.

Graduate data from 2 schools in Alberta.

2021–2022   Enrolment data from 2 schools in Quebec; 1 school in Ontario.

Admissions, enrolment, and graduate data updated in Ontario due to new data from schools. Enrolment data updated in British Columbia due to new data from schools.

2022–2023   Admissions data from 1 school in Prince Edward Island; 1 school in Quebec; 2 schools in Ontario; 2 schools in British Columbia.

Enrolment data from 1 school in Prince Edward Island; 1 school in Quebec; 2 schools in Ontario; 2 schools in British Columbia.

Graduate data from 1 school in Prince Edward Island; 1 school in Quebec; 2 schools in British Columbia.

OIIQ reports the following for Quebec diploma and baccalaureate programs:

2018–2019   788 students were admitted to baccalaureate programs, and 630 graduated from baccalaureate programs. Enrolment data were not reported. *Number of admissions and graduates corrected in 2024 due to new data from OIIQ.*

2019–2020   749 students were admitted to baccalaureate programs, and 665 graduated from baccalaureate programs. Enrolment data were not reported. *Number of admissions and graduates corrected in 2024 due to new data from OIIQ.*

2020–2021   716 students were admitted to baccalaureate programs, and 670 graduated from baccalaureate programs. Enrolment data were not reported. *Number graduates corrected in 2024 due to new data from OIIQ.*

2021–2022   771 students were admitted to baccalaureate programs, and 665 graduated from baccalaureate programs. Enrolment data were not reported. *Number of admissions and graduates corrected in 2024 due to new data from OIIQ.*

2022–2023   754 students were admitted to baccalaureate programs, and 597 graduated from baccalaureate programs. Enrolment data were not reported.

Table 6

Post-RN Baccalaureate Programs – Admission, Enrolment, and Graduate Data, 2017 to 2023

Admission and enrolment data are reported by academic year. Graduate data are reported by calendar year.

	Canada	NL	PE	NS	NB	QC	ON	MB	SK	AB	BC	NT	NU	YT
Admissions														
2018–2019	..	...	...	..	...	..	..	..	...	..	..	...	...	...
2019–2020	750	...	...	*	...	365	195	*	...	*	...	...	...	...
2020–2021	2,304	...	...	*	...	1,933	279	*	...	*	31	...	...	...
2021–2022	2,144	...	...	*	...	1,675	426	*	...	*	43	...	...	...
2022–2023	1,978	...	...	*	...	1,367	389	*	...	*	70	...	...	...
Enrolment														
2018–2019	..	...	...	..	...	..	..	..	...	..	..	...	...	...
2019–2020	2,653	...	...	*	...	934	776	*	...	*	53	...	...	...
2020–2021	6,069	...	...	*	...	4,466	1 104	*	...	*	98	...	...	...
2021–2022	6,071	...	...	*	...	4,647	767	*	...	*	122	...	...	...
2022–2023	5,284	...	...	*	...	3,592	997	*	...	*	133	...	...	...
Graduates														
2019	..	...	...	..	...	..	..	..	...	..	..	...	...	...
2020	803	...	...	*	...	370	253	*	...	*	49	...	...	...
2021	1,655	...	...	*	...	1,247	356	*	...	*	6	...	...	...
2022	1,528	...	...	*	...	1,288	180	*	...	*	0	...	...	...
2023	2,020	...	...	*	...	1,524	330	*	...	*	65	...	...	...

* Value suppressed in accordance with CASN privacy policy; cell value is between 1 and 4, or value suppressed to ensure confidentiality; cell value is 5 or greater

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Notes

Summary of omitted and unusable data:

2018–2019   Admissions, enrolment, and graduate data unavailable due to the COVID-19 pandemic.

2019–2020   Admissions data from 4 schools in Quebec; 3 schools in British Columbia.

Enrolment data from 4 schools in Quebec; 3 schools in British Columbia.

Graduate data from 4 schools in Quebec; 3 schools in British Columbia.

2020–2021   Admissions data from 2 schools in Quebec; 1 school in Alberta.

Enrolment data from 2 schools in Quebec; 1 school in Alberta.

Graduate data from 2 schools in Quebec; 1 school in Alberta.

2021–2022   Admissions data from 2 schools in Quebec; 1 school in Ontario.

Enrolment data from 2 schools in Quebec; 1 school in Ontario.

Graduate data from 2 schools in Quebec; 1 school in Ontario.

2022–2023   Admissions data from 2 schools in Quebec; 1 school in British Columbia.

Enrolment data from 1 school in Quebec; 1 school in British Columbia.

Graduate data from 1 school in Quebec; 1 school in British Columbia.

Table 7

Master's Programs – Admission, Enrolment, and Graduate Data, 2018 to 2023

Admission and enrolment data are reported by academic year. Graduate data are reported by calendar year.

	Canada	NL	PE	NS	NB	QC	ON	MB	SK	AB	BC	NT	NU	YT
Admissions														
2018–2019	..	..	..	..	..	..	..	..	..	..	..	…	…	…
2019–2020	1,004	*	*	*	27	173	353	*	43	203	156	…	…	…
2020–2021	805	*	*	*	20	204	321	*	31	51	132	…	…	…
2021–2022	878	*	*	*	14	184	394	*	46	63	129	…	…	…
2022–2023	1,013	*	..	*	16	124	336	*	64	318	119	…	…	…
Enrolment														
2018–2019	..	..	..	..	..	..	..	..	..	..	..	…	…	…
2019–2020	2,912	*	*	*	60	234	839	*	86	1,215	344	…	…	…
2020–2021	2,239	*	*	*	54	580	752	*	88	199	400	…	…	…
2021–2022	3,461	*	*	*	48	466	685	*	86	1,662	357	…	…	…
2022–2023	3,097	*	..	*	46	341	821	*	94	1,351	315	…	…	…
Graduates														
2019	..	..	..	..	..	..	..	..	..	..	..	…	…	…
2020	638	*	*	*	5	65	191	*	20	227	88	…	…	…
2021	621	*	*	*	5	121	300	*	28	46	81	…	…	…
2022	855	*	*	*	3	109	239	*	17	346	110	…	…	…
2023	897	*	..	*	5	92	343	*	26	277	131	…	…	…

* Value suppressed in accordance with CASN privacy policy; cell value is between 1 and 4, or value suppressed to ensure confidentiality; cell value is 5 or greater

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Notes

Summary of omitted and unusable data:

2018–2019   Admissions, enrolment, and graduate data unavailable due to the COVID-19 pandemic.

2019–2020   Admissions data from 2 schools in Quebec.

Enrolment data from 2 schools in Quebec.

Graduate data from 2 schools in Quebec.

2020–2021   Admissions data from 3 schools in Quebec; 1 school in Alberta.

Enrolment data from 3 schools in Quebec; 1 school in Alberta.

Graduate data from 3 schools in Quebec; 1 school in Alberta.

2021–2022   Admissions data from 2 schools in Quebec; 1 school in Ontario.

Enrolment data from 2 schools in Quebec; 1 school in Ontario.

Graduate data from 2 schools in Quebec; 2 schools in Ontario.

2022–2023   Admissions data from 1 school in Prince Edward Island, 3 schools in Quebec; 1 school in British Columbia.

Enrolment data from 1 school in Prince Edward Island, 2 schools in Quebec; 1 school in British Columbia.

Graduate data from 1 school in Prince Edward Island, 1 school in Quebec; 1 school in British Columbia.

Table 8

PhD Programs – Admission, Enrolment, and Graduate Data, 2017 to 2023

Admission and enrolment data are reported by academic year. Graduate data are reported by calendar year.

	Canada	NL	PE	NS	NB	QC	ON	MB	SK	AB	BC	NT	NU	YT
Admissions														
2018–2019	87	*	…	*	…	18	31	*	*	15	15	…	…	…
2019–2020	93	*	…	*	…	9	38	*	8	18	9	…	…	…
2020–2021	112	*	…	*	…	18	56	*	1	15	18	…	…	…
2021–2022	79	*	…	*	…	14	26	*	9	15	7	…	…	…
2022–2023	119	*	…	*	…	9	33	*	15	26	26	…	…	…
Enrolment														
2018–2019	488	*	…	*	…	122	138	*	*	106	67	…	…	…
2019–2020	489	*	…	*	…	49	194	*	23	115	71	…	…	…
2020–2021	633	*	…	*	…	150	222	*	24	110	87	…	…	…
2021–2022	508	*	…	*	…	97	170	*	25	113	64	…	…	…
2022–2023	601	*	…	*	…	72	243	*	32	114	97	…	…	…
Graduates														
2019	47	*	…	*	…	10	9	*	*	17	4	…	…	…
2020	62	*	…	*	…	8	28	*	2	11	8	…	…	…
2021	65	*	…	*	…	9	20	*	2	20	7	…	…	…
2022	73	*	…	*	…	9	26	*	2	20	10	…	…	…
2023	79	*	…	*	…	11	36	*	5	17	9	…	…	…

* Value suppressed in accordance with CASN privacy policy; cell value is between 1 and 4, or value suppressed to ensure confidentiality; cell value is 5 or greater

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Notes

Summary of omitted and unusable data:

2018–2019   Admissions data from 1 school in Quebec; 2 schools in Ontario; 1 school in British Columbia.

Enrolment data from 1 school in Quebec; 2 schools in Ontario; 1 school in British Columbia.

Graduate data from 1 school in Quebec; 2 schools in Ontario; 1 school in British Columbia.

2019–2020   Admissions data from 1 school in Quebec.

Enrolment data from 1 school in Quebec.

Graduate data from 1 school in Quebec.

2020–2021   Admissions data from 1 school in Quebec.

Enrolment data from 1 school in Quebec.

Graduate data from 1 school in Quebec.

2021–2022   Admissions data from 1 school in Quebec; 1 school in Ontario.

Enrolment data from 1 school in Quebec; 1 school in Ontario.

Graduate data from 1 school in Quebec.

Admissions, enrolment, and graduate data updated in Ontario due to new data from schools.

2022–2023   Admissions data from 1 school in Quebec.

Enrolment data from 1 school in Quebec.

Graduate data from 1 school in Quebec.

Table 9

Doctor of Nursing Programs – Admission, Enrolment, and Graduate Data, 2023

Admission and enrolment data are reported by academic year. Graduate data are reported by calendar year.

	Canada	NL	PE	NS	NB	QC	ON	MB	SK	AB	BC	NT	NU	YT
Admissions 2022–2023	7	…	..	…	…	…	*	…	…	*	…	…	…	…
Enrolment 2022–2023	12	…	..	…	…	…	*	…	…	*	…	…	…	…
Graduates 2023	0	…	..	…	…	…	*	…	…	*	…	…	…	…

* Value suppressed in accordance with CASN privacy policy; cell value is between 1 and 4, or value suppressed to ensure confidentiality; cell value is 5 or greater

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Notes

Summary of omitted and unusable data:

2022–2023   Admissions data from 1 school.
              Enrolment data from 1 school.
              Graduate data from 1 school.

Table 10

Nurse Practitioner Programs – Admission, Enrolment, and Graduate Data, 2018 to 2023

Admission and enrolment data are reported by academic year. Graduate data are reported by calendar year.

	Canada	NL	PE	NS	NB	QC	ON	MB	SK	AB	BC	NT	NU	YT
Admissions														
2018–2019	..	..	..	..	..	..	..	..	..	..	..	…	…	…
2019–2020	907	*	*	*	13	201	291	*	71	175	70	…	…	…
2020–2021	772	*	*	*	16	181	309	*	63	39	80	…	…	…
2021–2022	948	*	*	*	23	299	353	*	62	45	79	…	…	…
2022–2023	927	*	..	*	11	250	277	*	74	156	80	…	…	…
Enrolment														
2018–2019	..	..	..	..	..	..	..	..	..	..	..	…	…	…
2019–2020	1,938	*	*	*	42	248	559	*	140	645	139	…	…	…
2020–2021	1,842	*	*	*	55	494	714	*	133	77	171	…	…	…
2021–2022	2,733	*	*	*	51	654	619	*	211	771	218	…	…	…
2022–2023	2,375	*	..	*	49	485	580	*	210	626	136	…	…	…
Graduates														
2019	..	..	..	..	..	..	..	..	..	..	..	…	…	…
2020	573	*	*	*	4	104	210	*	29	125	50	…	…	…
2021	622	*	*	*	11	146	289	*	30	24	63	…	…	…
2022	809	*	*	*	3	220	255	*	56	145	70	…	…	…
2023	892	*	..	*	12	239	279	*	51	184	55	…	…	…

* Value suppressed in accordance with CASN privacy policy; cell value is between 1 and 4, or value suppressed to ensure confidentiality; cell value is 5 or greater

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… Figure not appropriate or not applicable

Notes

Summary of omitted and unusable data:

2018–2019   Admissions, enrolment, and graduate data unavailable due to the COVID-19 pandemic.

2019–2020   Admissions data from 4 schools in Quebec.

Enrolment data from 4 schools in Quebec.

Graduate data from 4 schools in Quebec.

2020–2021   Admissions data from 2 schools in Quebec; 1 school in Alberta.

Enrolment data from 2 schools in Quebec; 1 school in Alberta.

Graduate data from 2 schools in Quebec; 1 school in Alberta.

2021–2022   Admissions data from 2 schools in Quebec; 1 school in Ontario.

Enrolment data from 2 schools in Quebec; 1 school in Ontario.

Graduate data from 2 schools in Quebec; 1 school in Ontario.

2022–2023   Admissions data from 1 school in Prince Edward Island; 2 schools in Quebec; 1 school in British Columbia.

Enrolment data from 1 school in Prince Edward Island; 1 school in Quebec; 1 school in British Columbia.

Graduate data from 1 school in Prince Edward Island; 1 school in Quebec; 1 school in British Columbia.

Table 11

Full-Time Faculty by Age Cohort, 2023

Age cohort	2023
<40	274
40–49	608
50–59	494
60+	293
Total	1,669

Notes

The overall response rate to this question was 70.5%.

Summary of omitted and unusable data:

- 1 school in Prince Edward Island
- 1 school in Nova Scotia
- 4 schools in Quebec
- 13 schools in Ontario
- 2 schools in Manitoba
- 3 schools in Alberta
- 4 schools in British Columbia

The number of full-time permanent faculty (1,669) in this table is less than the number of full-time permanent faculty reported in Table 12 as age cohort results were not available for all faculties.

Table 12

Number of Permanent Faculty, 2023

Faculty employment status	Canada	NL	PE	NS	NB	QC	ON	MB	SK	AB	BC	NT	NU	YT
Permanent faculty	2,699	84	..	111	60	531	671	129	211	290	595	*	*	…

* Value suppressed in accordance with CASN privacy policy; cell value is between 1 and 4, or value suppressed to ensure confidentiality; cell value is 5 or greater

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Notes

The overall response rate to this question was 64.2%.

Summary of omitted and unusable data:

- 1 school in Prince Edward Island
- 38 schools in Quebec
- 7 schools in Ontario
- 1 school in Manitoba
- 2 schools in British Columbia

Table 13

Academic Upgrading Under Way – Permanent and Long-Term Faculty, 2023

	Canada	NL	PE	NS	NB	QC	ON	MB	SK	AB	BC	NT	NU	YT
Baccalaureate, nursing	0	...	..	...	...	...	...	...	...	...	...	...	...	...
Baccalaureate, other	0	...	..	...	...	...	...	...	...	...	...	...	...	...
Master's, nursing	74	5	..	...	16	...	2	4	18	13	15	*	*	...
Master's, other	13	...	..	5	1	...	1	1	...	4	1	*	*	...
Doctoral, nursing	94	3	..	...	6	3	46	3	1	16	13	*	*	...
Doctoral, other	37	1	..	1	7	...	10	1	5	7	3	*	*	...
Post-doctoral, nursing	7	1	..	...	...	2	5	...	...	...	...	...	...	...
Post-doctoral, other	2	...	..	...	...	2	...	...	...	1	1	...	...	...
Nurse practitioner (any level)	9	...	..	...	2	...	...	...	3	...	4	...	...	...
Total	237	10	..	6	32	7	64	9	27	41	37	*	*	...

* Value suppressed in accordance with CASN privacy policy; cell value is between 1 and 4, or value suppressed to ensure confidentiality; cell value is 5 or greater

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... Figure not appropriate or not applicable

Notes

This table includes faculty studying in Canada and internationally.

The overall response rate to this question was 72.6%.

Summary of omitted and unusable data:
- 1 school in Prince Edward Island
- 1 school in Nova Scotia
- 4 schools in Quebec
- 12 schools in Ontario
- 2 schools in Manitoba
- 2 schools in Alberta
- 4 schools in British Columbia

Table 14

Permanent and Long-Term Contract Faculty Positions Reported as Filled, 2023, and Permanent and Long-Term Contract Faculty Positions Reported as Approved to Be Filled, 2024

	Canada	NL	PE	NS	NB	QC	ON	MB	SK	AB	BC	NT	NU	YT
Positions filled in 2023	281	15	..	17	15	17	57	16	30	39	69	*	*	…
Positions to be filled in 2024	310	6	..	12	9	18	70	22	38	59	70	*	*	…

* Value suppressed in accordance with CASN privacy policy; cell value is between 1 and 4, or value suppressed to ensure confidentiality; cell value is 5 or greater

.. Figure not available

… Figure not appropriate or not applicable

Notes

The overall response rate to this question was 78.9%.

Summary of omitted and unusable data:

- 1 school in Prince Edward Island
- 1 school in Quebec
- 13 schools in Ontario
- 1 school in Manitoba
- 3 schools in Alberta
- 9 schools in British Columbia

Table 15

Permanent and Long-Term Contract Faculty Positions, Approved and Unable to Fill, 2023

	Canada	NL	PE	NS	NB	QC	ON	MB	SK	AB	BC	NT	NU	YT
Permanent	58	1	..	2	0	7	27	2	11	6	2	*	*	…
Long-term contract	20	0	..	2	0	1	6	0	6	0	3	*	*	…
Total	78	1	..	4	0	8	33	2	17	6	5	*	*	…

* Value suppressed in accordance with CASN privacy policy; cell value is between 1 and 4, or value suppressed to ensure confidentiality; cell value is 5 or greater

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… Figure not appropriate or not applicable

Notes

The overall response rate to this question was 75.8%.

Summary of omitted and unusable data:

- 1 school in Prince Edward Island
- 3 schools in Quebec
- 10 schools in Ontario
- 1 school in Manitoba
- 1 school in Alberta
- 7 schools in British Columbia

Table 16

Contract Faculty, 2023

	Canada	NL	PE	NS	NB	QC	ON	MB	SK	AB	BC	NT	NU	YT
Long-term contract	500	18	..	5	42	74	105	60	10	77	95	*	*	…
Short-term contract	5,744	58	..	386	66	1,385	1,953	319	439	579	554	*	*	…
Total	6,244	76	..	391	108	1,459	2,058	379	449	656	649	*	*	…

* Value suppressed in accordance with CASN privacy policy; cell value is between 1 and 4, or value suppressed to ensure confidentiality; cell value is 5 or greater

.. Figure not available

… Figure not appropriate or not applicable

Notes

The overall response rate to this question was 63.5%.

Summary of omitted and unusable data:
- 1 school in Prince Edward Island
- 38 schools in Quebec
- 7 schools in Ontario
- 1 school in Manitoba
- 3 schools in British Columbia

Table 17

Permanent Faculty on Leave, 2023

Canada	NL	PE	NS	NB	QC	ON	MB	SK	AB	BC	NT	NU	YT
198	5	..	4	12	15	38	9	23	24	64	*	*	...

* Value suppressed in accordance with CASN privacy policy; cell value is between 1 and 4, or value suppressed to ensure confidentiality; cell value is 5 or greater

.. Figure not available

... Figure not appropriate or not applicable

Notes

The overall response rate to this question was 64.2%.

Summary of omitted and unusable data:

- 1 school in Prince Edward Island
- 1 school in Nova Scotia
- 4 schools in Quebec
- 16 schools in Ontario
- 2 schools in Manitoba
- 2 schools in Alberta
- 8 schools in British Columbia

Table 18

Highest Academic Credential – Permanent and Long-Term Faculty, 2023

Credential	Canada	NL	PE	NS	NB	QC	ON	MB	SK	AB	BC	NT	NU	YT
Diploma, nursing	2	…	..	…	…	…	…	1	…	…	…	*	*	…
Baccalaureate, nursing	279	13	..	…	24	3	23	62	36	38	64	*	*	…
Baccalaureate, other	75	3	..	…	…	11	34	8	…	…	2	*	*	…
Master's, nursing	931	64	..	23	43	46	209	70	86	146	230	*	*	…
Master's, other	259	1	..	16	2	26	33	34	55	13	84	*	*	…
Doctoral, nursing	470	2	..	14	15	54	169	18	33	85	80	*	*	…
Doctoral, other	203	…	..	6	14	26	56	18	23	25	32	*	*	…
Post-doctoral, nursing	35	8	..	7	…	1	14	…	…	2	3	*	*	…
Post-doctoral, other	28	8	..	4	…	11	4	…	…	1	…	*	*	…

* Value suppressed in accordance with CASN privacy policy; cell value is between 1 and 4, or value suppressed to ensure confidentiality; cell value is 5 or greater

.. Figure not available

… Figure not appropriate or not applicable

Notes

The overall response rate to this question was 71.6%.
Summary of omitted and unusable data:
- 1 school in Prince Edward Island
- 1 school in Nova Scotia
- 3 schools in Quebec
- 13 schools in Ontario
- 2 schools in Manitoba
- 2 schools in Alberta
- 5 schools in British Columbia

Table 19

Nurse Practitioner Credentials – Permanent and Long-Term Faculty, 2023

Credential	Canada	NL	PE	NS	NB	QC	ON	MB	SK	AB	BC	NT	NU	YT
Nurse practitioner, post-baccalaureate level	11	…	..	…	…	…	11	…	…	…	…	*	*	…
Nurse practitioner, master's level	99	3	..	2	6	4	35	8	10	13	17	*	*	…
Nurse practitioner, post-master's level	31	1	..	2	…	1	17	…	3	2	5	*	*	…
Nurse practitioner, other level	8	…	..	3	…	3	2	…	…	…	…	*	*	…

* Value suppressed in accordance with CASN privacy policy; cell value is between 1 and 4, or value suppressed to ensure confidentiality; cell value is 5 or greater

.. Figure not available

… Figure not appropriate or not applicable

Notes

The overall response rate to this question was 73.7%.

Summary of omitted and unusable data:

- 1 school in Prince Edward Island
- 1 school in Nova Scotia
- 3 schools in Quebec
- 12 schools in Ontario
- 2 schools in Manitoba
- 2 schools in Alberta
- 4 schools in British Columbia

Methodological Notes – Survey Tables

Classification of nursing programs

Programs are identified by a standard data code, which allows the RN education data to be attributed to one of six program categories.

Diploma	Diploma, diploma exit option, PN to RN, LPN to RN, and DEC
PN-to-RN Bridging	Practical nurse to registered nurse bridging
Baccalaureate	Standard, generic, collaborative, accelerated, fast track, advanced, second-degree entry, compressed,
Post-RN	Post-RN baccalaureate, DEC-BACC
Master's	Master of nursing, DESS
PhD	PhD in Nursing
Doctor of Nursing	Doctor of nursing, doctor of nursing practice
Nurse practitioner	Nurse practitioner, NP integrated with a degree program (e.g., MN/NP)*

*NP programs may be combined with or integrated into master's degree programs, and schools may or may not report separate data for these integrated programs. Where the data are reported separately, they are recorded under the NP program.

Collection Period

Program inventory, admission, and enrolment data are collected on the academic year. This year's collection is for the 2022–2023 academic year.

Graduate and faculty data are collected on the calendar year. This year's collection captures these data for calendar year 2023.

Data Collection Terms

Admission	Admission results are calculated by totalling the number of first-time nursing students admitted to Year 1 of the program plus the number of advanced entrant students admitted in any year of the program.
	Admission results include data for each intake offered throughout the course of an academic year.
	Schools are asked to report admission results *after the allowed withdrawal date* of their institution.
Enrolment	Enrolment results are a count of the number of students enrolled in each year of study.
	Enrolment results include data for each intake offered throughout the course of an academic year.
	Schools are asked to report enrolment results *after the allowed withdrawal date* of their institution.

ETP programs	Entry-to-practice (RN-ETP) programs entitle the successful graduate to apply for licensure/registration. RN-ETP programs include diploma, generic baccalaureate, practical nurse to registered nurse bridging programs, and entry-to-practice master's programs.
Graduates	Graduate results are calculated by totalling the number of degrees awarded by each institution throughout a calendar year.

See the Appendix for a list of the definitions provided to all schools.

Data Limitations

Data included in the survey tables are as reported by the schools that responded to the survey. See "Survey Response" below for details on annual response rates.

Schools sometimes provide data that are unusable or fail to report requested data. Each table is accompanied by a summary of omitted data.

While CASN reviews each school's submission and follows up when unusual fluctuations are noted, there is the potential for some under- or over-reporting.

Out-of-Province/Territory Partnerships

Colleges and universities may establish program delivery partnerships that cross provincial or territorial boundaries. In 2007, the treatment of graduate data from program delivery partnerships that cross provincial or territorial boundaries was amended so that graduate results would be recorded in the student's home province or territory. Admission and enrolment data continue to be recorded according to the program delivery responsibility of each partner. The handling of admission and enrolment data did not change. Historical graduate data have been adjusted accordingly. Please see "Survey Methodology" for additional details.

Out-of-province/territory baccalaureate collaborative partnerships as of 2022–2023 include: Aurora College (NT), partnered with the University of Victoria (BC); and Nunavut Arctic College (NU), partnered with Dalhousie University (NS).

Survey Response

2018–2019: Information unavailable due to COVID-19 pandemic.

2019–2020: The survey was issued to the 136 schools of nursing offering programs; 97 schools completed the survey; *the overall survey response rate was 71.3%*; the CASN member response rate was 89.0%. On average, 73.1% of schools responded to the faculty questions.

2020–2021: The survey was issued to the 137 schools of nursing offering programs; 99 schools completed the survey; *the overall survey response rate was 72.3%*; the CASN member response rate was 96.8%. On average, 82.3% of schools responded to the faculty questions.

2021–2022: The survey was issued to the 137 schools of nursing offering programs; 100 schools completed the survey; *the overall survey response rate was 73.0%*; the CASN member response rate was 98.9%. On average, 83.9% of schools responded to the faculty questions.

2022–2023: The survey was issued to the 137 schools of nursing offering programs; 96 schools completed the survey; *the overall survey response rate was 70.1%*; the CASN member response rate was 94.7%. See the tables starting on page 23 for more detailed information

about omitted or unusable data. On average, 69.0% of schools responded to the faculty questions.

Privacy and Confidentiality

In accordance CASN's privacy policies, some small cell entries between 1 and 4 are not reported. Some cell values of 5 or greater have also been suppressed to protect confidentiality.

Appendix

National Student and Faculty Survey of Canadian Schools of Nursing 2022–2023: Survey Methodology

General Methodology

Background

The Canadian Nurses Association (CNA) began administering an annual survey on nursing students and faculty in 1963. In 2001, a new survey and methodology were developed for CNA by well-known statistician Eva Ryten. The Canadian Association of Schools of Nursing (CASN) led the development of the faculty questions that same year. CASN member schools tested the new survey prior to its initial distribution in 2002. Throughout the partnership, CNA and CASN have introduced changes to the survey to reflect changes in program delivery and to increase data related to faculty. CASN took over full administration of the survey in 2013.

In the mid-1990s, provinces and territories moved to phase out college diploma programs and convert all new nurse supply education programs to undergraduate degree programs. Conversion to degree programs is complete in all provinces and territories except Quebec. In 2010, a final intake of diploma students took place at two schools in Manitoba. The Northwest Territories and Nunavut converted to degree programs in 2010. Quebec continues to provide diploma programs while supporting the development of baccalaureate partnerships between CÉGEPs/colleges and universities. The Yukon has no entry-level educational programs.

The following table shows the different stages of the transition from diploma entry-level to baccalaureate entry-level education.

Entry-to-Practice Education Requirements for Registered Nurses

Jurisdiction	Target year; status
Prince Edward Island, Newfoundland and Labrador, New Brunswick, Nova Scotia	1998; completed
Saskatchewan	2000; completed
Ontario	2005; completed
British Columbia	2006; completed
Alberta	2009; completed
Northwest Territories, Nunavut	2010; completed
Manitoba	2013; completed
Quebec	Quebec continues to offer diploma programs while supporting the development of baccalaureate partnerships between **Collèges d'enseignement général et professionnel** (CÉGEPs) and universities.
Yukon	The Yukon has no entry-level educational programs.

The conversion from diploma to degree programs brought in its wake many statistical complications. The mechanism adopted to convert from diploma to degree programs was the introduction of collaborative degree programs. *Collaborative* refers to a relationship of cooperation between a university and one or more college-level institutions. The extent and type of collaboration models existing between a university and its collaborating partner or

partners vary greatly. For example, the university may be responsible only for ensuring that the curriculum meets university degree standards, and the college may deliver the entire curriculum on its sites. Alternatively, the university may be heavily involved not only in approving academic standards but also in delivering sizable amounts of the curriculum on its campuses.

A data record linking process permits admission and enrolment data of programs delivered under a collaborative model to be linked to the graduate program data of the degree-granting partner. This approach allows for the statistical tracking of nursing students by qualification earned from the point of admission, by each year of enrolment, through to graduation. It also accommodates recent changes whereby some colleges now award baccalaureate degrees or have changed their institution type from college to university. Historical results have not been affected by these changes.

Data Collection

The survey requests information on the following:

- **Program inventory** covers all nursing programs leading to initial licensure (e.g., diploma, diploma exit, baccalaureate, collaborative baccalaureate) as well as formal programs furthering an RN's education (e.g., post-RN, master's, doctorate, NP); includes distance education programs, multiple language offerings and multiple partnership arrangements. Collection period: academic year.

- **Graduates** by qualification earned, graduates by gender for each program listed in the program inventory, by partner, by site, where available. Collection period: calendar year.

- **Faculty demographics** details on faculty responsible for the delivery of programs listed in the program inventory, by gender, contract type, rank, and status; these data include components such as highest academic credential, age cohorts, faculty on leave, average age of retirement, attrition other than retirement, and additional information on classroom ratios. Collection period: calendar year.

Admission and enrolment data are collected for the previous academic year to ensure that fall, winter, and summer intake data are gathered. Graduate data are collected for the calendar year to align with annual licensing examination practices and health human resources planning. Admission and enrolment data are counted only after the school's allowed withdrawal date.

The data are completed by the appropriate designate at each school and are reviewed and approved by the dean, director, program head, or equivalent. On receipt, the data are reviewed by CASN to ensure that all programs, sites, partners, and data elements have been included. Comparisons are made to program inventories from previous years as well as program data listed on each school website to ensure that data are representative of all programs offered by the school.

Disparities are resolved by the CASN program lead and the school staff responsible for the data compiled. The dean, director, program head, or equivalent validates the data's accuracy and completeness, and approves the use of the data to prepare reports and to support research and policy decisions affecting the future supply of nurses in Canada.

When data are not reported, the omitted data are sorted by data type and captured in one of two categories: (1) not available, or (2) not appropriate or applicable. Omitted data are identified in the reports.

In 2009, an online version of the survey was made available to CASN members, and a paper version was provided to CÉGEPs and non-CASN members. From 2015 to 2019, the online survey was available to all schools except CÉGEPs. Starting with the 2019–2020 survey year, all schools were given the online survey.

The 2022–2023 survey data were collected using Qualtrics (www.qualtrics.com).

Data Organization

The data derived from the survey accommodate the increasing variety and complexity of nursing education models in Canada, including NP education models. The data are organized to allow for statistical trends to be tracked at provincial or territorial and national levels by qualification earned.

Another component of data organization accommodates the increasing variety of NP programs. NP programs may be combined with or integrated into master's degree programs, and schools may report separate data for these integrated programs. In these instances, data are recorded under the NP program. If the school is unable to provide the data separately (e.g., some integrated programs are reported such that all admission, enrolment, and/or graduate data are included in the master's program), then all the data are included under the master's program.

Links are established between partners offering collaborative baccalaureate programs such that admission, enrolment, and graduate data records mirror the delivery of each partner. A baccalaureate program is attributed to each partner offering a part of the baccalaureate program. This approach allows for the statistical tracking of nursing students by qualification earned from the point of admission, by each year of enrolment, at each partner site through to graduation. It also accommodates recent changes whereby some colleges now award baccalaureate degrees or have changed their institution type from college to university. Historical results have not been affected by these changes.

Colleges and universities may establish program delivery partnerships that cross provincial or territorial boundaries. In 2007, the treatment of graduate data from program delivery partnerships that cross provincial or territorial boundaries was amended so that graduate results would be recorded in the student's home province or territory. Admission and enrolment data continue to be recorded according to the program delivery responsibility of each partner. The handling of admission and enrolment data did not change. Historical graduate data have been adjusted accordingly. Please see "Survey Methodology" for additional details.

Tables

The survey data are summarized in 19 tables for distribution to schools of nursing and interested parties (e.g., CASN member schools, researchers, government departments). Each table contains important notes covering data scope, updates to previous years' data, omissions, and acknowledgements.

It is important to review the program names included in each of the program categories listed in the various tables. Equally important is an understanding of the approach taken to collaborative baccalaureate programs, data pertaining to NP programs and partnerships outside provincial or territorial boundaries. See the section "Background" for information on this point as well as "Data Organization." A review of the definitions used in the survey, in the next section, is also recommended.

Data Confidentiality and Privacy

As part of the 2022–2023 survey submission procedures, each school completed a confidentiality and approval release form authorizing CASN to release the data for purposes of research, policy-making, advocacy, etc.

CASN staff adheres to CASN's privacy policy, available on the CASN website.

Definitions Used in the Survey

Advanced entrants (counted as of the school's allowed withdrawal date)

Students previously enrolled in a non-nursing program (e.g., bachelor of arts, physiotherapy, and bachelor of science) who transfer to an RN education program. These students have already completed some of the program's required courses. As a result, they may be approved to join an existing student cohort in Year 2 or Year 3, and so on. Data reported in this selection are included in the calculation of admissions.

Advanced entrants include:

- students previously enrolled in school X in a non-nursing program who transfer to an RN education program in school X;
- students previously enrolled in school Y in a non-nursing program who transfer to an RN education program at school X; and
- students with a degree from a non-nursing program who enter an RN education program.

Note: Advanced entrants differ from first-time students. See the definition *for first-time students*.

Baccalaureate program collaborative delivery

A baccalaureate program offered in partnership between a university and another institution. Program partners may also belong to a consortium.

Baccalaureate program university delivery

A baccalaureate program offered solely by a university; no partners are involved.

Campus site

The school site (campus) where a program is offered.

Continuing students (counted as of the school's allowed withdrawal date)

Continuing students include:

- full-time students who progress to the next year of study without interruption, remaining with the same student cohort from one year of study to the next;
- part-time students who require more than one academic year to complete all required courses; and
- students who fail a course in a particular year of an RN education program but are permitted to move to Year 2 (policy may vary from one school to another).

Employment status

A description of the employment status of faculty members. Includes permanent, long-term contract, and short-term contracts.

Enrolment (counted as of the school's allowed withdrawal date)

The number of students enrolled in each year of study.

Faculty categories

The categories (i.e., faculty titles) provided may not apply to each school. Schools are encouraged to enter faculty titles in use at their school.

F1 category

Faculty members who are *permanent* who teach nursing courses.

F2 category

Faculty members who are fulfilling time-limited *contracts of one full academic year or longer* who teach nursing courses.

F3 category

Faculty members who are fulfilling time-limited *contracts of less than one full academic year* who teach nursing courses.

First-time students (counted as of the school's allowed withdrawal date)

New entrants to Year 1 of an RN education program. First-time students are found only in Year 1 data. Nursing students who are in Year 2 for the first time are not considered first-time students. Data reported in this selection are included in the calculation of admissions.

Note: First-time students differ from advanced entrants. See the definition of *advanced entrants*.

Intake

The number of times in an academic year when students enter programs. Sometimes *intake* is confused with the number of students admitted.

Program category

Data are recorded in the database according to the following program categories: RN-to-PN bridging programs, baccalaureate programs, post-RN programs, master's programs, PhD programs, DN programs, and NP programs. Each program category may contain multiple programs.

Example: Program category *post-RN*: the school may offer a post-RN program on-site as well as a post-RN program via distance. Both programs are listed under program category post-RN.

Program duration

The expected number of years/semesters required to complete the entire program based on full-time program delivery.

Qualification

The name of the credential awarded upon successful completion of a program (e.g., BN, BScN, MN).

References

Canadian Institute for Health Information. (2024). *Nursing in Canada, 2023 — data tables.* https://www.cihi.ca/en/access-data-and-reports/data-tables

Med-Emerg Inc. (2006). *Building the future: An integrated strategy for nursing human resources in Canada – Phase II final report*. Nursing Sector Study Corporation.