



Canada's Health Care Providers, 2016 to 2020

Methodology Notes



Canadian Institute
for Health Information

Institut canadien
d'information sur la santé

Production of this document is made possible by financial contributions from Health Canada and provincial and territorial governments. The views expressed herein do not necessarily represent the views of Health Canada or any provincial or territorial government.

Unless otherwise indicated, this product uses data provided by Canada's provinces and territories.

All rights reserved.

The contents of this publication may be reproduced unaltered, in whole or in part and by any means, solely for non-commercial purposes, provided that the Canadian Institute for Health Information is properly and fully acknowledged as the copyright owner. Any reproduction or use of this publication or its contents for any commercial purpose requires the prior written authorization of the Canadian Institute for Health Information. Reproduction or use that suggests endorsement by, or affiliation with, the Canadian Institute for Health Information is prohibited.

For permission or information, please contact CIHI:

Canadian Institute for Health Information
495 Richmond Road, Suite 600
Ottawa, Ontario K2A 4H6
Phone: 613-241-7860
Fax: 613-241-8120
cihi.ca
copyright@cihi.ca

ISBN 978-1-77479-090-8 (PDF)

© 2022 Canadian Institute for Health Information

How to cite this document:

Canadian Institute for Health Information. *Canada's Health Care Providers, 2016 to 2020 — Methodology Notes*. Ottawa, ON: CIHI; 2022.

Cette publication est aussi disponible en français sous le titre *Les dispensateurs de soins de santé au Canada, 2016 à 2020 — notes méthodologiques*.

ISBN 978-1-77479-091-5 (PDF)

Table of contents

Health workforce information at CIHI	4
About this document	4
Data availability	5
Health care provider groups	5
Variables collected	6
Data collection period.	8
Data sources	8
Data quality	8
Regulation status	8
Under-coverage and over-coverage	9
Comparability over time	10
Privacy and confidentiality	17
Appendix	18
Health care providers, first year of regulation, by province and territory, 2020	18

Health workforce information at CIHI

The Canadian Institute for Health Information (CIHI) collects and reports health workforce data to support federal, provincial and territorial workforce planning and policy development.

The following health workforce products are available on [CIHI's website](#):

- *Canada's Health Care Providers, 2016 to 2020 — Data Tables*
- *Nursing in Canada, 2020* (report, Quick Stats, data tables, methodology notes)
- *Physicians in Canada, 2020* (report, Quick Stats, data tables, historical data, methodology notes)
- *Occupational Therapists in Canada, 2020* (Quick Stats, data tables, methodology notes)
- *Pharmacists in Canada, 2020* (Quick Stats, data tables, methodology notes)
- *Physiotherapists in Canada, 2020* (Quick Stats, data tables, methodology notes)

For more information, please contact

Program Lead, Health Workforce Information

Canadian Institute for Health Information

495 Richmond Road, Suite 600

Ottawa, Ontario K2A 4H6

Phone: 613-241-7860

Fax: 613-241-8120

Email: hr@cihi.ca

Website: cihi.ca

About this document

This document summarizes important information regarding the availability and quality of the data presented in *Canada's Health Care Providers, 2016 to 2020 — Data Tables*. It is intended to help readers examine health workforce trends over time and make appropriate comparisons between this product and other data sources.

Data availability

Health care provider groups

Each year, CIHI collects, verifies and reports aggregated data on supply, age and sex for 30 health care provider groups in Canada (aggregate-level data). This data is added to the Health Workforce Database (HWDB). HWDB coverage may vary by provider group, by province and territory, and by year.

Each iteration of *Canada's Health Care Providers* reflects the previous 5 years of data included in the HWDB. Additional years of data can be requested by emailing hrh@cihi.ca.

Table 1 Health care provider group and first year of available data

Health care provider group	First year of available data
Audiologists	1991
Chiropractors	1988
Dental assistants	2011
Dental hygienists	1988
Dentists	1988
Dietitians	1988
Environmental public health professionals	1999
Genetic counsellors	2011
Health information management professionals	1988
Licensed practical nurses	1988
Medical laboratory technologists	1988
Medical physicists	1992
Medical radiation technologists	1988
Midwives	1991
Nurse practitioners	2003
Occupational therapists	1988
Opticians	2011

Health care provider group	First year of available data
Optometrists	1988
Paramedics	2005
Pharmacists	1988
Pharmacy technicians	2012
Physician assistants	2013
Physicians	1988
Physiotherapists	1988
Psychologists	1988
Registered nurses	1980
Registered psychiatric nurses	1990
Respiratory therapists	1988
Social workers	1988
Speech–language pathologists	1991

Variables collected

Where possible, CIHI aims to report the most comprehensive information across each health care provider group. However, incomplete data can impact overall trends. If more than 30% of records in a province or territory have a *not stated* value (i.e., *unknown*, *not applicable*, *not collected*) for a data element, statistics based on that element are not reported.

The accompanying descriptions are used as tools to standardize data collection and reporting.

Table 2 Variables collected for health care provider groups

Name of variable	Description
Supply	<p>Whenever possible, CIHI encourages data providers to submit supply data on all individuals who had an active registration in the profession and who were eligible to practise in the given year, including those employed and those not employed at the time of registration (active registered). However, active registered supply data is not always available. In some cases, supply may reflect only individuals who were registered and employed in the specific health professions (registered active employed). In other cases, supply may include all registrants who were active, inactive, on leave or retired (registered). As a result, the number of health care providers may be under-represented (in the former case) or over-represented (in the latter case).</p> <p>Furthermore, not all health care provider groups are regulated in all provinces and territories (see the appendix). In situations where a profession is unregulated in a given province or territory, supply simply refers to the number of health care providers who had a membership with a professional association in the given year. Most often the membership with a professional association is voluntary; therefore, the number of health care providers may be under-represented and should be interpreted with caution.</p>
Sex	Provides the number of health care providers in the supply count who indicated their sex as male, female or undifferentiated. Excludes records coded as <i>unknown</i> .
5-year age groups	Presents the number of health care providers in the supply count that fall into each 5-year age group. Excludes records coded as <i>unknown</i> and records using age groups that do not align with those used by CIHI.
Average age	Equals the sum of the ages of all registrants in the supply count for whom age is known, divided by the total number of registrants in the supply count for whom age is known.
Health care provider group-to-population ratio	<p>Calculated using the following formula:</p> <ul style="list-style-type: none"> • Numerator: Number of health care providers in the supply count in a province/territory in the given year • Denominator: Number of people (total population) in the province/territory for which the supply was available in the same year <p>Population data is obtained each year from Statistics Canada. At CIHI's discretion, historical ratios may be updated as population data is periodically revised by Statistics Canada. Therefore, small discrepancies may exist between this publication and previous iterations.</p>

Data collection period

CIHI attempts to capture data on the health workforce as it existed within a given calendar year (January 1 to December 31). However, each data provider follows a unique annual registration cycle, which often does not align with the calendar year. As a result, not all registrations/memberships for the respective calendar year are captured.

Data sources

The HWDB includes data submitted to CIHI from several entities, including provincial and territorial regulatory bodies, professional associations and governments. For some professions, data is provided centrally by a national association. For some professions in some jurisdictions, data sources may vary from year to year.

For more information on data sources, please email hhr@cihi.ca.

Data quality

CIHI is founded on the principles of data quality, privacy and confidentiality. Data collection, processing, analysis and dissemination are guided by CIHI's commitment to publish high-quality data in a privacy-sensitive manner. Data quality methodologies are used to maximize the accuracy, comparability, timeliness, usability and relevance of the health workforce data. Below are key factors that influence data quality in the HWDB.

Regulation status

Whether a health care profession is regulated in a province or territory has a significant impact on data collection and the completeness of the data. Regulated health care professions are governed by a legislative framework that establishes health regulatory organizations that regulate the professions in the public's interest.

All regulated health care providers are required to register with their respective regulatory body to obtain an annual licence to practise in their province or territory. For the regulated health care provider groups, where possible, CIHI endeavours to collect data on the number of health care providers from their respective provincial or territorial regulatory bodies.

Non-regulated health care providers typically acquire a voluntary annual membership with their professional association. For the non-regulated health care provider groups, CIHI endeavours to collect data on the number of health care providers who had a membership with such professional associations. Most often the membership with a professional association is voluntary; therefore, the number of non-regulated health

care providers in CIHI's HWDB may be under-represented. Data points for non-regulated health care provider groups in the data tables are identified with an asterisk, indicating that this data should be interpreted with caution.

[The appendix](#) lists the regulation status of each profession included in *Canada's Health Care Providers, 2016 to 2020 — Data Tables*.

Under-coverage and over-coverage

There are a few potential sources of under-coverage:

- CIHI's collection timelines do not necessarily align with data providers' year-end data processing. As a result, the data reported may not reflect the total number of registrations for that year, because more registrations may occur after data has already been submitted to CIHI.
- When membership in a professional association is voluntary, a certain percentage of the health care providers in that profession may not register. Therefore, the number of health care providers may be under-represented.
- It may not be known whether the provincial or territorial legislation provides for the exclusive provision of services falling within a particular scope of practice or simply reserves the use of certain titles. If legislation protects only specific titles (e.g., registered social worker), then individuals practising under a slightly different title may not be covered by legislation. As a result, health care providers may not be required to register as a condition of practice. Data collected within this regulatory environment would potentially under-count the number of providers.

There are a few potential sources of over-coverage:

- Possible over-counting may occur for the supply of various health care provider groups in the territories, as these may include temporary or relief workers who may not permanently reside or provide services in the territories.
- CIHI aims to collect data on all active health care providers who are registered with a regulatory body and who are eligible to practise in a given year. For the health care provider groups that are not regulated in a province or territory, CIHI collects similar data on individuals who had a membership with a professional association. However, some regulatory bodies or professional associations submit data on various registration/membership types (including inactive, on leave and retired), leading to potential over-counting of health care providers in these jurisdictions.
- The inability to identify providers consistently and uniquely at a national level is a barrier to integrating information across jurisdictions. National yearly totals for the same health care provider group may double-count individuals registered in more than one province or territory or in more than one profession.

Comparability over time

Historical changes or variations in data submitted across jurisdictions, professions or years have an impact on the comparability of data. CIHI, in collaboration with data providers, is continually striving to improve comparability and hence data quality. As part of the data submission process, data providers may submit changes to previous years' data for inclusion in the current year's publication.

Note that for some groups of health care providers, data from the Northwest Territories and Nunavut is combined because of data collection methods or because the jurisdictions share a regulator.

The table below provides information on health care provider groups that had data quality improvements or changes in data years 2016 to 2020 that may affect comparability. Any time series changes must be interpreted carefully, as they may reflect changes in the data collection and submission process.

Table 3 Data quality considerations, 2016 to 2020

Health care provider group	Province/territory	Data quality considerations
Audiologists	Nova Scotia	In Nova Scotia, audiologists were first regulated in November 2019. Data for 2020 was received from the Nova Scotia College of Audiologists and Speech–Language Pathologists. Data for previous years was provided by Speech–Language & Audiology Canada. The change in regulatory status and the change in the organization providing data could contribute to fluctuations between 2018 and 2020.
	Quebec	Age groups are not reported between 2016 and 2019. Data provided by the Ordre des orthophonistes et audiologistes du Québec (OOAQ) does not align with categories defined in CIHI's data tables.
	Saskatchewan	2019 data is suppressed due to data quality issues.
Chiropractors	British Columbia	According to the College of Chiropractors of British Columbia, the decrease in the number of chiropractors belonging to the 25- to 29-year-old age group between 2019 and 2020 may be partially explained by the cancellation of the Canadian Chiropractic Examining Board exam in 2020. In the absence of provisional registration, new graduates could only retain their student status or move to another province or territory that includes provisional registration in their bylaws.

Health care provider group	Province/territory	Data quality considerations
Dental assistants	New Brunswick	2019 data was obtained from the Canadian Dental Association, whereas 2020 data was obtained from the New Brunswick Dental Society. This change in data source may explain the fluctuation between 2019 and 2020.
	Ontario	The increase in the number of dental assistants between 2019 and 2020 may be partially attributed to the counts in 2019 and in earlier years only including Level II dental assistants. Approximately 1,000 student registrants are also included in the 2020 counts.
	British Columbia	Age group data provided by the College of Dental Surgeons of British Columbia does not align with the age groups used by CIHI. As a result, age group data is not reported.
Dental hygienists	Quebec	Fluctuations in the number of dental hygienists between 2019 and 2020 may be partially attributed to the COVID-19 pandemic. The decline in the number of dental hygienists in the younger age category may be partially attributed to immediate precautionary withdrawals of pregnant dental hygienists from the workforce. Conversely, the increase in the number of dental hygienists in the older age group may be partially attributed to dental hygienists in this bracket renewing their memberships to assist with pandemic public health efforts.
	British Columbia	Fluctuations in the number of dental hygienists may be partially explained by a change in reported data types; the counts for 2016 to 2018 include both active and inactive registrants, whereas the 2019 and 2020 counts include only active registrants.
	Northwest Territories and Nunavut	2016 data represents the Northwest Territories and Nunavut combined.
Dentists	Manitoba	According to the Manitoba Dental Association, fluctuations between 2019 and 2020 may be partially explained by the COVID-19 pandemic. A change in data source could also partially explain fluctuations between 2019 and 2020; counts from 2016 to 2019 were provided by the Canadian Dental Association, whereas counts for 2020 were provided by the Manitoba Dental Association.
	Yukon	2017 data is suppressed due to data quality issues.
	Northwest Territories and Nunavut	2016 data represents the Northwest Territories and Nunavut combined.
Dietitians	Quebec	The decrease in the number of dietitians between 2018 and 2020 may be partially explained by the change in reported data types between these 2 cycles; the 2018 counts include both active and inactive registrants, whereas the 2020 counts include only active registrants. Data is not available for 2019.

Health care provider group	Province/territory	Data quality considerations
Environmental public health professionals (EPHPs)	Northwest Territories and Nunavut	2016 data represents the Northwest Territories and Nunavut combined.
Health information management professionals (HIMs)	Newfoundland and Labrador, Prince Edward Island, Nova Scotia, New Brunswick, Ontario, Manitoba, Saskatchewan, Alberta, British Columbia and Yukon	In 2020, the Canadian Health Information Management Association implemented a new database and was unable to break down demographic data by province/territory.
	Quebec	Data for 2016 to 2019 was provided by the Association des gestionnaires de l'information de la santé du Québec (AGISQ). 2020 data was provided by the Canadian Health Information Management Association. Province-specific demographic information was unavailable (see above).
	Northwest Territories and Nunavut	2016 data represents the Northwest Territories and Nunavut combined.
Licensed practical nurses (LPNs)	Alberta	The supply of LPNs increased between 2017 and 2018. According to the College of Licensed Practical Nurses of Alberta (CLPNA), the fluctuation is due to the implementation of a new database and an increase in membership.
Medical laboratory technologists (MLTs)	Nova Scotia	2016 data is suppressed due to data quality issues.
	Quebec	Data for 2018, 2019 and 2020 was received from the Ordre professionnel des technologistes médicaux du Québec, and data for 2016 and 2017 was provided by the Canadian Society for Medical Laboratory Science. Data from 2016, 2017, 2018 and 2020 includes only active registrations, whereas 2019 data includes both active and non-active registrations. These changes could contribute to fluctuations seen between years.
	Manitoba	All years of data reflect the number of active practising registrants counted at the end of each calendar year.
	Alberta	2019 and 2020 data is sourced from the College of Medical Laboratory Technologists of Alberta's annual reports for these years. These reports are publicly available.
	Northwest Territories and Nunavut	2016 data represents the Northwest Territories and Nunavut combined.

Health care provider group	Province/territory	Data quality considerations
Medical radiation technologists (MRTs)	Newfoundland and Labrador, Prince Edward Island, Nova Scotia, New Brunswick, Quebec, Manitoba, British Columbia, Yukon, Northwest Territories and Nunavut	Data for these jurisdictions was received from the Canadian Association of Medical Radiation Technologists (CAMRT). The increase in the number of MRTs for whom a sex was not stated increased between 2019 and 2020 because the CAMRT stopped tracking this information. As of 2020, members can no longer select a sex in their CAMRT profile. The number of registrants with an unidentified sex is therefore expected to increase.
	Ontario	Since January 1, 2018, the College of Medical Radiation Technologists of Ontario (CMRTO) has regulated diagnostic medical sonography as a fifth specialty in addition to the previous 4 specialties of magnetic resonance imaging, nuclear medicine, radiation therapy and radiological technology. The increased number of MRTs in Ontario in 2018 is a result of adding diagnostic medical sonographers.
	Northwest Territories and Nunavut	2016 data represents the Northwest Territories and Nunavut combined.
Midwives	Manitoba	The change in the number of midwives in Manitoba may be partially attributed to changes in registration type for the supply data. Data from 2016 and 2019 represents the number of registered practising midwives, data for 2017 represents the number of all registered midwives (includes active, inactive, on-leave and retired registration status) and 2018 data represents active registered midwives (includes those who were eligible to practise in the given year, including those employed and those not employed at the time of registration).
	Yukon	The regulations for midwifery came into effect in April 2021. Data is anticipated to be included in future iterations of these data tables.
	Northwest Territories and Nunavut	2016 data represents the Northwest Territories and Nunavut combined.

Health care provider group	Province/territory	Data quality considerations
Nurse practitioners (NPs)	Quebec	The number of NPs in Quebec increased over the past 5 years. According to the Ordre des infirmières et infirmiers du Québec (OIIQ), the growth among NPs in Quebec is primarily a result of the implementation of NP legislation in 2006. Since that time, the ministère de la Santé et des Services sociaux du Québec (MSSS) has introduced a workforce strategy with a goal of 2,000 NPs in Quebec by the year 2025. As a result, universities in Quebec, in collaboration with other partners, are increasing enrolment in NP programs.
	Northwest Territories and Nunavut	<p>The number of NPs in the Northwest Territories decreased between 2017 and 2018. The decline in the number of NPs is attributed to the nature of the work in the Northwest Territories.</p> <p>NPs and registered nurses (RNs) in the Northwest Territories and Nunavut are governed by the same regulatory authority. As a result, NP and RN totals represent the combined total for these 2 territories.</p>
	British Columbia	Age groups are not reported in 2019 and 2020 because they do not align with categories defined in CIHI's data tables.
Optometrists	Northwest Territories and Nunavut	2016 data represents the Northwest Territories and Nunavut combined.
Paramedics	Prince Edward Island	Data from 2016 to 2019 is unavailable.
	Manitoba	The College of Paramedics of Manitoba was established by the Government of Manitoba on June 1, 2018, and became fully operational on December 1, 2020, following changes to regulations. Data for 2020 was not submitted.
	Saskatchewan	A change in qualifying criteria for maintaining regulatory status for emergency medical technicians and primary care paramedics may have contributed to the decline in the number of paramedics in Saskatchewan in 2018.
Pharmacy technicians	Manitoba	The 2019 increase in Manitoba pharmacy technicians may be due to individuals entering the profession who have completed the Pharmacy Examining Board of Canada Evaluating Exam and the National Association of Pharmacy Regulatory Authorities National Pharmacy Technician Bridging Program. As of December 31, 2019, this pathway is no longer available and new applicants are required to have graduated from an accredited pharmacy technician education program.

Health care provider group	Province/territory	Data quality considerations
Physician assistants	Newfoundland and Labrador	2016 data is suppressed due to data quality issues.
	Ontario	2017 data is suppressed due to data quality issues.
	Manitoba	2017 data is suppressed due to data quality issues.
Physiotherapists (PTs)	Quebec	<p>In Quebec, there are 2 types of physiotherapy professionals: PTs and physical rehabilitation therapists (PRTs). Both types of professionals are included in Quebec's PT statistics. At the end of 2019–2020, there were 2,814 PRTs registered with the Ordre professionnel de la physiothérapie du Québec (OPPQ).</p> <p>The increase in the number of PTs in Quebec between 2017 and 2018 may be partially attributed to the implementation of a new database.</p>
Psychologists	Newfoundland and Labrador	The increase in total registrants between 2018 and 2019 can be partially attributed to a comparatively greater number of new registrants from other provinces in 2019 (42 in 2019 versus 19 in 2018).
	Prince Edward Island	Data from 2016 to 2018 was provided retroactively to CIHI by the PEI Psychologists Registration Board. Data on psychologists in P.E.I. reported in this publication may not match data in previous CIHI publications.
	Manitoba	2016, 2018 and 2019 data includes only active registrations, whereas 2017 and 2020 data includes active and inactive registrations.
	Northwest Territories and Nunavut	2016 data represents the Northwest Territories and Nunavut combined.
Registered nurses (RNs)	Northwest Territories and Nunavut	<p>The number of RNs in the Northwest Territories and Nunavut decreased between 2017 and 2018. The decline in the number of RNs is attributed to the nature of the work in the Northwest Territories and Nunavut.</p> <p>NPs and RNs in the Northwest Territories and Nunavut are governed by the same regulatory authority. As a result, NP and RN totals represent the combined total for these 2 territories.</p>

Health care provider group	Province/territory	Data quality considerations
Respiratory therapists	Nova Scotia	2019 data includes active and inactive registrations, whereas 2016, 2017, 2018 and 2020 data includes active registrations only.
	Quebec	Fluctuations in the number of respiratory therapists in Quebec may be partially attributed to changes in registration type for the Quebec supply data. Data for 2017 and 2019 includes all registered respiratory therapists, both active and inactive. Data for 2016, 2018 and 2020 includes only active registered respiratory therapists.
	British Columbia	Respiratory therapists are unregulated in the province of B.C. 2017 and 2018 data is suppressed due to data quality issues.
	Northwest Territories and Nunavut	2016 data represents the Northwest Territories and Nunavut combined.
Social workers	British Columbia	2016, 2017 and 2018 data includes only active registrations, whereas 2020 data includes active and inactive registrations. 2019 data is not available.
Speech–language pathologists (SLPs)	Nova Scotia	In Nova Scotia, speech–language pathologists were first regulated in November 2019. Data for 2020 was received from the Nova Scotia College of Audiologists and Speech–Language Pathologists. Data for previous years was provided by Speech–Language & Audiology Canada. The change in regulatory status and the change in the organization providing data could contribute to fluctuations between 2018 and 2020.
	Quebec	Age groups are not reported between 2016 and 2019. Data provided by the Ordre des orthophonistes et audiologistes du Québec (OOAQ) does not align with categories defined in CIHI's data tables.
	Saskatchewan	2019 data is suppressed due to data quality issues.
	Northwest Territories and Nunavut	2016 data represents the Northwest Territories and Nunavut combined.

Caution must be exercised when comparing change over time at both the provincial/territorial and national levels, as some data may have been submitted by data providers using varying supply definitions (outlined in Table 2) or collected under different regulatory environments from different data sources or at different time points during a given year.

Statistics reported in this publication may differ from those reported in other CIHI publications or by other organizations, even though the source of the data may be the same. Differences may be attributed to variations in the population of reference or the data collection period.

Privacy and confidentiality

The protection of individual privacy, the confidentiality of records and the security of information are essential to CIHI's operations. In support of this position, CIHI established a comprehensive privacy, confidentiality and security program. A key element of the program is the statement of principles and policies set out in the document *Privacy Policy on the Collection, Use, Disclosure and Retention of Health Workforce Personal Information and De-Identified Data, 2011*. A copy of this document is available free for download from CIHI's website at cihi.ca.

The HWDB does not collect, use or disclose personal information. In keeping with Section 32 of the *Health Workforce Privacy Policy, 2011*, CIHI publicly reports information only when the risk of identifying and residually disclosing personal information is low (i.e., reports in which small cell sizes are suppressed).

Appendix

Health care providers, first year of regulation, by province and territory, 2020

Health care provider group	N.L.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Y.T.	N.W.T.	Nun.
Audiologists	2013	n/r	2019	1987	1964	1994	1961	1992	2002	2010	n/r	n/r	n/r
Chiropractors	1992	1962	1972	1958	1974	1925	1945	1943	1923	1934	1986	n/r	n/r
Dental assistants	1995	1998	1976	1987	n/r	n/r	2007	1971	1990	1968	n/r	n/r	n/r
Dental hygienists	1969	1974	1973	2009	1975	1993	2005	1951	1990	1952	1958	1990	1999
Dentists	1893	1891	1891	1890	1869	1867	1883	1906	1906	1886	1958	1988	1999
Dietitians	1965	1994	1998	1988	1956	1994	1982	1958	2000	2004	n/r	n/r	n/r
Environmental public health professionals	n/r	n/r	n/r	n/r	n/r	n/r	n/r	n/r	n/r	n/r	n/r	n/r	n/r
Genetic counsellors	n/r	n/r	n/r	n/r	n/r	n/r	n/r	n/r	n/r	n/r	n/r	n/r	n/r
Health information management professionals	n/r	n/r	n/r	n/r	n/r	n/r	n/r	n/r	n/r	n/r	n/r	n/r	n/r
Licensed practical nurses	1983	1959	1957	1960	1974	1947	1946	1956	1986	1988	1987	1988	2011
Medical laboratory technologists	2012	n/r	2004	1992	1973	1994	2007	1996	2002	n/r	n/r	n/r	n/r
Medical physicists	n/r	n/r	n/r	n/r	n/r	n/r	n/r	n/r	n/r	n/r	n/r	n/r	n/r
Medical radiation technologists	n/r	n/r	1967	1958	1973	1980	n/r	1978	1986	n/r	n/r	n/r	n/r
Midwives	2016	n/r	2009	2016	1999	1994	2000	2008	1998	1998	2021	2005	2011
Nurse practitioners	1997	2006	2002	2002	2003	1997	2005	2003	2002	2005	2013	2004	2004
Occupational therapists	1987	1976	1972	1997	1973	1993	1971	1971	1990	2000	n/r	n/r	n/r

Health care provider group	N.L.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Y.T.	N.W.T.	Nun.
Opticians	1982	1974	2005	1976	1973	1991	1953	2011	1965	2010	n/r	n/r	n/r
Optometrists	1928	1922	1921	1921	1909	1919	1909	1911	1920	1921	1959	1988	1999
Paramedics	2010	2013	2015	2006	2015	1990	2018	2009	2008	1974	n/r	n/r	n/r
Pharmacists	1910	1905	1876	1884	1875	1871	1878	1911	1911	1891	1986	1953	1999
Pharmacy technicians	2012	2014	2011	2015	n/r	2010	2014	2015	2011	2011	n/r	n/r	n/r
Physician assistants	n/r	n/r	n/r	2009	n/r	n/r	1999	n/r	2016	n/r	n/r	n/r	n/r
Physicians	1893	1871	1828	1816	1848	1795	1871	1885	1885	1867	1958	1885	1999
Physiotherapists	1970	1973	1959	1960	1973	1953	1956	1945	1985	1946	2007	n/r	n/r
Psychologists	1988	1991	1981	1967	1962	1960	1966	1997	1960	1977	n/r	1988	1999
Registered nurses	1954	1949	1910	1916	1946	1922	1913	1967	1916	1918	1994	1973	1999
Registered psychiatric nurses	n/a	n/a	n/a	n/a	n/a	n/a	1960	1948	1955	1951	2009	n/a	n/a
Respiratory therapists	2012	n/r	2007	2009	1985	1991	1981	2008	1988	n/r	n/r	n/r	n/r
Social workers	1994	1988	1994	1989	1960	2000	2009	1995	2003	2008	n/r	2012	n/r
Speech–language pathologists	2013	n/r	2019	1987	1964	1994	1961	1992	2002	2010	n/r	n/r	n/r

Notes

n/r: Not regulated.

n/a: Not applicable.

Source

Health Workforce Database, Canadian Institute for Health Information.

**CIHI Ottawa**

495 Richmond Road
Suite 600
Ottawa, Ont.
K2A 4H6
613-241-7860

CIHI Toronto

4110 Yonge Street
Suite 300
Toronto, Ont.
M2P 2B7
416-481-2002

CIHI Victoria

880 Douglas Street
Suite 600
Victoria, B.C.
V8W 2B7
250-220-4100

CIHI Montréal

1010 Sherbrooke Street West
Suite 602
Montréal, Que.
H3A 2R7
514-842-2226

cihi.ca

25603-1121

