

Regulated Nurses Database Data Element List

Materials presented here have been adapted from the *Nursing Database Data Dictionary and Processing Manual, 2013*.

Our Vision

Better data. Better decisions.
Healthier Canadians.

Our Mandate

To lead the development and
maintenance of comprehensive
and integrated health information
that enables sound policy and
effective health system management
that improve health and health care.

Our Values

Respect, Integrity, Collaboration,
Excellence, Innovation

About CIHI's Nursing Data

The collection and reporting of health human resources (HHR) data assists decision-makers in the planning and distribution of health care providers. Since 2002, the Canadian Institute for Health Information (CIHI) has collected data on the supply, distribution and practice characteristics of the three groups of regulated nursing professionals in Canada: registered nurses (including nurse practitioners), licensed practical nurses and registered psychiatric nurses.

Companion Products on CIHI's Website

The following companion products are available on CIHI's website at www.cihi.ca/hhr:

- *Regulated Nurses, 2012*
 - Summary Report (.pdf)
 - Jurisdictional Profiles and Health Region Analysis (.xlsx)
 - Data Tables (.xlsx)
 - Methodology Guide (.pdf)
 - Summary Presentation (.pptx)
- Reference documents
 - *Nursing Database Data Dictionary and Processing Manual*
 - Privacy Impact Assessment

For more information, please contact



**Regulated Nurses
Database**

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Canada's Regulated Nursing Workforce

There are three regulated nursing professions within Canada. Each province and territory has its own legislation governing nursing practice, and each jurisdiction has its own regulatory body for the regulation and licensing of its members.

Below is a brief description of each type of regulated nursing professional:

- **Registered nurses** (RNs, including nurse practitioners) work both autonomously and in collaboration with other health care providers to coordinate health care, deliver direct services and support clients in their self-care decisions and actions in health, illness, injury and disability in all stages of life. RNs are currently regulated in all 13 provinces/territories.
 - **Nurse practitioners** (NPs) are RNs with additional educational preparation and experience. NPs may order and interpret diagnostic tests; prescribe pharmaceuticals, medical devices and other therapies; and perform procedures.¹ NPs are currently regulated in all 13 provinces/territories.
- **Licensed practical nurses** (LPNs) work independently or in collaboration with other members of a health care team. LPNs assess clients and work in health promotion and illness prevention. They assess, plan, implement and evaluate care for clients. LPNs are currently regulated in all 13 provinces/territories.
- **Registered psychiatric nurses** (RPNs) work both autonomously and collaboratively with clients and other health care team members to coordinate health care and provide client-centred services to individuals, families, groups and communities. RPNs focus on mental and developmental health, mental illness and addictions while integrating physical health care and utilizing biopsychosocial and spiritual models for a holistic approach to care. RPNs are currently regulated in Manitoba, Saskatchewan, Alberta, British Columbia and Yukon.



Regulated Nurses Database

Note to Readers

Throughout this document,

- We have used the terms “nurses” and “regulated nurses” to describe the three groups of regulated nursing professionals as a whole: registered nurses (including nurse practitioners), licensed practical nurses and registered psychiatric nurses.
- We have used the term “nursing” to refer collectively to Canada’s three regulated nursing professions, unless otherwise indicated.

List of Data Elements

Data Element	Definition/ Comments	Values
Jurisdictional ID Number	The unique registration number that identifies a nurse within a particular jurisdiction.	
Occupational ID Number	A unique occupational code used to distinguish between regulated nursing professionals in CIHI's Nursing Database.	11001: Registered nurses 11002: Licensed practical nurses 11003: Registered psychiatric nurses 11004: Nurse practitioners
Province/Territory of Registration	The province/territory submitting nursing data.	
Postal Code of Residence	The six-digit postal code assigned by Canada Post for the registrant's residence.	
Age	The current age of the registrant.	
Age Group	Age groups are determined based on the current age of the registrant.	
Birth Year	The four-digit year of birth of the registrant.	
Registration Year	The four-digit year in which the registration/licensure was obtained.	
Sex	The sex of the registrant.	M: Male F: Female O: Not stated
Graduation Year	The four-digit year of graduation from entry/initial nursing education program.	
Age at Graduation	Derived from the registrant's graduation year minus the registrant's birth year.	
Years Since Graduation	Calculated using the difference between the data year and the graduation year.	
Location of Graduation	Province/territory or country (if outside Canada) in which entry/initial education was completed.	

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Data Element	Definition/ Comments	Values		
Initial Education in Nursing Discipline	Initial education program at the nursing level required for entry to practice, leading to initial registration/licensure as a licensed nurse.	RN 1: Diploma in registered nursing 2: Baccalaureate in registered nursing 3: Master's in registered nursing 9: Not stated	LPN 1: Diploma/certificate 6: Equivalency	RPN 1: Diploma in psychiatric nursing 2: Baccalaureate in psychiatric nursing
Other Education in Nursing Discipline—Degree	Identifies education at the RN and RPN level, other than initial education, that resulted in a nursing degree.	RN 1: Baccalaureate 2: Master's 3: Doctorate 5: None 9: Not stated		RPN 1: Advanced diploma in psychiatric nursing 2: Baccalaureate in psychiatric nursing 3: Master's in psychiatric nursing 4: Doctorate in psychiatric nursing 5: None 9: Not stated
Other Education in Nursing Discipline—Non-Degree	Registered nursing education (other than entry/initial nursing education) that resulted in a non-degree certificate or diploma.	RN 1: No 2: Yes 9: Not stated		
Education in Other Than Nursing	Education in a subject/field other than nursing; degree may have been obtained before or after initial licensure in a regulated nursing profession.	RN 1: Baccalaureate 2: Master's 3: Doctorate 5: None 9: Not stated	LPN 1: Diploma 2: Baccalaureate 3: Master's 4: Doctorate 5: None 9: Not stated	RPN 1: Diploma 2: Baccalaureate 3: Master's 4: Doctorate 5: None 9: Not stated
Highest Level of Education	The highest level of education attained in nursing. This is derived from Initial Education in Nursing Discipline and Other Education in Nursing Discipline. The highest level from these data elements is selected to populate this data element.	RN 1: Diploma 2: Baccalaureate 3: Master's 4: Doctorate 9: Not Stated	LPN 1: Diploma/certificate 6: Equivalency for entry-level qualification	RPN 1: Diploma/certificate 2: Baccalaureate 3: Master's 4: Doctorate

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Data Element	Definition/Comments	Values		
Location of Employment	The province/territory or country (if outside Canada) of employment.			
Postal Code (Primary Worksite)	The six-digit postal code assigned by Canada Post for the registrant's primary worksite.			
Employment Status	Current employment in a field directly related to nursing practice: direct care, administration, education or research. Should reflect employment status at the time of registration.	01: Full time 02: Part time 03: Casual 09: Employed in nursing but status (FT, PT, casual) unknown 20: Employed in other than nursing and seeking employment in nursing 21: Employed in other than nursing and not seeking employment in nursing 30: Not employed and seeking employment in nursing 31: Not employed and not seeking employment in nursing 99: Not stated		
Position	Current assigned role at place of employment, per title/job description.	RN and NP Managerial Positions 01: Chief nursing officer/chief executive officer 02: Director/assistant director 03: Manager/assistant manager Staff/Community Health Nurse 06: Staff registered nurse/ community health nurse Other Positions 08: Instructor/professor/ educator 09: Researcher 10: Consultant 11: Other position 14: Clinical specialist 15: Nurse midwife 16: Nurse practitioner	LPN Managerial Positions 12: Coordinator/care manager Staff/Community Health Nurse 06: LPN/staff nurse/ community health practical nurse Other Positions 08: Instructor/professor/ educator 11: Other position 13: LPN specialty	RPN Managerial Positions 01: Chief executive officer 02: Director/assistant director 03: Manager/assistant manager Staff/Community Health Nurse 06: Staff psychiatric nurse/ community health psychiatric nurse Other Positions 08: Instructor/professor/ educator 10: Consultant 11: Other position 14: Clinical specialist

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Data Element	Definition/ Comments	Values		
Position (cont'd)		Not Stated 99: Not stated	Not Stated 99: Not stated	Not Stated 99: Not stated
Area of Responsibility	Within agency/facility of employment, the major focus of activities related to one of four primary areas of practice of nursing: direct care, administration, education or research.	RN and NP Direct Care 01: Medicine/surgery 02: Psychiatry/mental health 03: Pediatrics 04: Maternity/newborn 05: Geriatrics/long-term care 06: Critical care 07: Community health 08: Ambulatory care 09: Home care 10: Occupational health 11: Operating room/recovery room 12: Emergency care 13: Several clinical areas 14: Oncology 15: Rehabilitation 17: Public health 18: Telehealth 19: Other direct care Administration 21: Nursing service 22: Nursing education 29: Other administration Education 31: Teaching students 32: Teaching employees 33: Teaching patients/clients 39: Other education	LPN Direct Care 01: Medicine/surgery 02: Psychiatry/mental health 03: Pediatrics 04: Maternity/newborn 05: Geriatrics/long-term care 06: Critical care 07: Community health 08: Ambulatory care 09: Home care 10: Occupational health 11: Operating room/recovery room 12: Emergency care 13: Several clinical areas 14: Oncology 15: Rehabilitation 16: Palliative care 17: Public health 19: Other direct care Administration 21: Nursing service 22: Nursing education 29: Other administration Education 31: Teaching students 32: Teaching employees 33: Teaching patients/clients 39: Other education	RPN Direct Care 01: Medicine/surgery 03: Pediatrics 05: Geriatric/long-term care 06: Crisis/emergency services 10: Occupational health 14: Oncology 15: Rehabilitation 16: Palliative care 19: Other direct care 51: Children and adolescent services 52: Developmental habilitation/disabilities 53: Addiction services 54: Acute services 55: Forensic services Administration 21: Nursing service 22: Nursing education 29: Other administration Education 31: Teaching students 32: Teaching employees 33: Teaching patients/clients 39: Other education

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Data Element	Definition/ Comments	Values		
Area of Responsibility (cont'd)		<p>Research 41: Registered nursing research only 49: Other research</p> <p>Not Stated 99: Not stated</p>	<p>Research 41: Practical nursing research only 49: Other research</p> <p>Not Stated 99: Not stated</p>	<p>Research 41: Psychiatric nursing research only 49: Other research</p> <p>Not Stated 99: Not stated</p>
Place of Work	Primary place of employment; type of agency/facility.	<p>RN and NP Hospital 01: Hospital (general, maternal, pediatric, psychiatric) 02: Mental health centre 04: Rehabilitation/convalescent centre</p> <p>Community Health Agency 03: Nursing station (outpost or clinic) 06: Home care agency 07: Community health centre 17: Public health department/unit</p> <p>Nursing Home/LTC Facility 05: Nursing home/long-term care facility</p>	<p>LPN Hospital 01: Hospital (general, maternal, pediatric, psychiatric) 02: Mental health centre 04: Rehabilitation/convalescent centre</p> <p>Community Health Agency 03: Nursing station (outpost or clinic) 06: Home care agency 07: Community health centre 17: Public health department/unit</p> <p>Nursing Home/LTC Facility 05: Nursing home/long-term care facility</p>	<p>RPN Hospital 01: Hospital (general, maternal, pediatric, psychiatric)</p> <p>Community Health Agency 03: Nursing station (outpost or clinic) 06: Home care agency 07: Community mental health agency/community health centre</p> <p>Nursing Home/LTC Facility 05: Nursing home/long-term care facility 15: Residential care facility</p>

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Data Element	Definition/ Comments	Values		
Place of Work (cont'd)		<p>Other Place of Work 08: Business/industry/ occupational health office 09: Private nursing agency/private duty 10: Self-employed 11: Physician's office/family practice unit 12: Educational institution 13: Association/government 14: Other place of work</p> <p>Not Stated 99: Not stated</p>	<p>Other Place of Work 08: Business/industry/ occupational health office 09: Private nursing agency/ private duty 10: Self-employed 11: Physician's office/family practice unit 12: Educational institution 13: Association/government 14: Other place of work</p> <p>Not Stated 99: Not stated</p>	<p>Other Place of Work 08: Business/industry/ occupational health office 09: Private psychiatric nursing agency/private duty 10: Self-employed/private practice 11: Physician's office/family practice unit 12: Educational institution 13: Association/government 14: Other place of work 16: Correctional agency</p> <p>Not Stated 99: Not stated</p>

Reference

1. Canadian Nurses Association. *Position Statement—The Nurse Practitioner*. http://www.nurseone.ca/docs/NurseOne/CNAPrimaryCareToolkit/PS_Nurse_Practitioner_e.pdf. Accessed July 16, 2013.