Regulated Nurses Database Data Element List

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

Our Vision

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
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.
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

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

#### Data Element

<table>
<thead>
<tr>
<th>Data Element</th>
<th>Definition/Comments</th>
<th>Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location of Employment</td>
<td>The province/territory or country (if outside Canada) of employment.</td>
<td></td>
</tr>
<tr>
<td>Postal Code (Primary Worksite)</td>
<td>The six-digit postal code assigned by Canada Post for the registrant's primary worksite.</td>
<td></td>
</tr>
</tbody>
</table>
| 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  
09: Researcher  
10: Consultant  
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          |                                                                      |
Regulated Nurses Database

Data Element | Definition/Comments | Values
--- | --- | ---
Position (cont’d) | | 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. | Not Stated

**RN and NP**

**Direct Care**
1. Medicine/surgery
2. Psychiatry/mental health
3. Pediatrics
4. Maternity/newborn
5. Geriatrics/long-term care
6. Critical care
7. Community health
8. Ambulatory care
9. Home care
10. Occupational health
11. Operating room/recovery room
12. Emergency care
13. Several clinical areas
14. Oncology
15. Rehabilitation
16. Public health
17. Telehealth
18. 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**
1. Medicine/surgery
2. Psychiatry/mental health
3. Pediatrics
4. Maternity/newborn
5. Geriatrics/long-term care
6. Critical care
7. Community health
8. Ambulatory care
9. 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**
1. Medicine/surgery
3. Pediatrics
5. Geriatrics/long-term care
6. Critical care
7. Community health
8. Ambulatory care
9. Home care
10. Occupational health
11. Operating room/recovery room
12. Emergency care
13. Several clinical areas
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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</tr>
</thead>
<tbody>
<tr>
<td>Area of Responsibility</td>
<td>(cont'd)</td>
<td>Research</td>
</tr>
<tr>
<td></td>
<td></td>
<td>41: Registered nursing research only</td>
</tr>
<tr>
<td></td>
<td></td>
<td>49: Other research</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Not Stated</td>
</tr>
<tr>
<td>Place of Work</td>
<td>Primary place of employment; type of agency/facility.</td>
<td>RN and NP Hospital</td>
</tr>
<tr>
<td></td>
<td></td>
<td>01: Hospital (general, maternal, pediatric, psychiatric)</td>
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<tr>
<td></td>
<td></td>
<td>02: Mental health centre</td>
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<tr>
<td></td>
<td></td>
<td>04: Rehabilitation/ convalescent centre</td>
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<tr>
<td></td>
<td></td>
<td>Community Health Agency</td>
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<tr>
<td></td>
<td></td>
<td>03: Nursing station (outpost or clinic)</td>
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<tr>
<td></td>
<td></td>
<td>06: Home care agency</td>
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<tr>
<td></td>
<td></td>
<td>07: Community health centre</td>
</tr>
<tr>
<td></td>
<td></td>
<td>17: Public health department/unit</td>
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<tr>
<td></td>
<td></td>
<td>Nursing Home/LTC Facility</td>
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<td></td>
<td></td>
<td>05: Nursing home/long-term care facility</td>
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<tr>
<td></td>
<td></td>
<td>Research</td>
</tr>
<tr>
<td></td>
<td></td>
<td>41: Practical nursing research only</td>
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<tr>
<td></td>
<td></td>
<td>49: Other research</td>
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<td>----------------------------------------------------------------------</td>
</tr>
</tbody>
</table>
| Place of Work (cont’d) | | 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  
Not Stated  
99: Not stated  
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  
Not Stated  
99: Not stated  
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  
Not Stated  
99: Not stated |
Reference