



CIHI—Your Partner in Health Research

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CIHI Snapshot

- Independent, not-for-profit corporation
 - 16-member Board of Directors; equal representation of health leaders from across Canada
- Seven offices across Canada
 - Head office in Ottawa
- 27 health databases and registries
 - Health care services, resources and expenditures



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Mandate

- Coordinate, develop, maintain and disseminate **health information** in Canada
- Provide accurate and timely information required for:
 - Sound health policy
 - Effective management of the health system
 - Public awareness about factors affecting good health



Key Activities

Data

- Create and maintain health databases and registries

Analysis

- Develop relevant and actionable analysis related to health care and the health of Canadians

Standards

- Develop, maintain and promote national health information standards

Education and Outreach

- Participate in workshops and conferences and create educational tools



Stakeholders

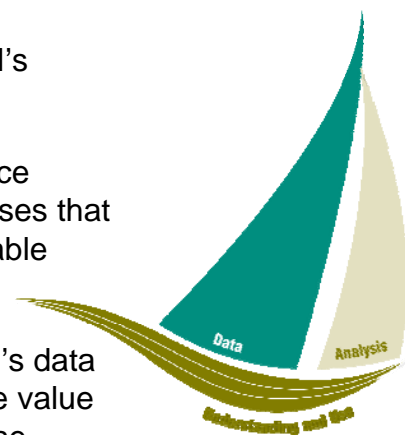
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Strategic Directions

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- **Data:** Enhance the scope, quality and timeliness of CIHI's data holdings
- **Analysis:** Continue to produce quality information and analyses that are both relevant and actionable
- **Understanding and Use:** Foster understanding of CIHI's data analysis and demonstrate the value and quality for stakeholder use



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Privacy and security at CIHI

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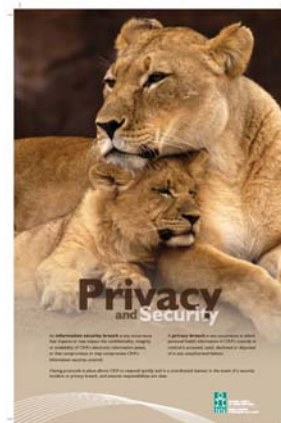
- Public trust and data providers' confidence are necessary to accomplishing our mandate.
- CIHI has a robust privacy and security program made up of many tools.

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Privacy and security program tools

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- Privacy and security impact assessments
- Privacy and security audits
- Confidentiality agreements
- Privacy and security awareness and training
- Management protocols for privacy breaches and security incidents



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Data Holdings at CIHI

- Health Human Resources Databases
- Health Spending Databases
- Health Services Databases



Health Human Resources Databases

- Physicians, Nurses (RNs, NPs, RPNs, LPNs), Occupational Therapists, Physiotherapists, Pharmacists, Medical Laboratory Technologist, Medical Radiation Technologist, Health Personnel Database
- These data base hold information about the supply, distribution and migration of health care professionals.



Health Spending Databases

- National Health Expenditure database, Canadian MIS Database, National Physician Database, National Prescription Drug Utilization Information System, Drug Expenditure, and OECD Health Database (Canada Segment)
- Track where the money comes from and how it is spent, at both the macro and selected micro levels (e.g., hospital spending, physician services spending and drug spending)



Health Services Databases

- Discharge Abstract Database, National Rehabilitation Reporting System, National Ambulatory Care Reporting System, Canadian Joint Replacement Registry, Home Care Reporting System, Hospital Mental Health Database
- Capture information across the continuum of health care services in Canada



Analytical Products

- Annual reports
- Ad hoc reports
- Data tables
- Analysis in Breifs
- Zoom-In-Ons
- Quick Facts & Did you knows



How to find out more about CIHI data holding...

- Go to: www.cihi.ca
- Each database has a webpage that provides information on:
 - Source
 - Data Elements
 - Data Quality Documentation
 - Availability (most recent year, next release, and historical series)
 - Publications



How can CIHI help researchers

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- Data Requests
- Graduate Student Data Access Program (GSDAP)

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Data Requests

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- Customizes data
 - Sub-populations
 - Time series
- Geographic Information
 - Reports focus on larger geographic divisions (i.e., province, health region)
 - Can request data:
 - For a more specific geographic area (i.e., CMA or community)
 - Based on population density (e.g., urban or rural)

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The Data Request Process

- Submission of inquiry to CIHI
 - Go to: www.cihi.ca/requestdata
- Assessment by program area
- Finalization of specifications, documentation, and approvals
- Data processing and verification
- Data release (and data destruction, for third party, record-level requests)



Graduate Student Data Access Program

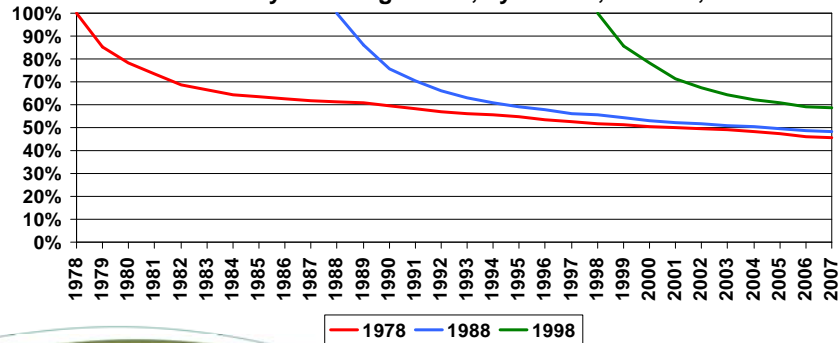
- Objectives:
 - To build the capacity of graduate students to undertake health service research; and
 - To increase awareness of CIHI and CIHI's data holdings, and the importance of data quality and privacy, as graduate students pursue health service careers.
- GSDAP criteria:
 - Data are to be used by the student to fulfill graduate requirements (for example, master's thesis, PhD dissertation or medical research fellow requirements).
 - The research project was reviewed by a research ethics board (as appropriate).
 - The research project will support CIHI's mandate to provide accurate and timely information that is required for sound health policy, effective management of the health care system and public awareness of health determinants.



Data Request Example 1:

- After a physician enters the workforce in a province, how long does he stay in that province (by cohort – 1978, 1988, 1998)?

Percentage of Physicians Who Were Still Active in the Jurisdiction They First Registered, by Cohort, Canada, 1978-2007



Data Request Example 2:

Critical Transition Periods for Adults with Acquired Brain Injury (ABI)

- Focus on transition to and from inpatient rehabilitation
 - Examining predisposing conditions, need and enabling factors with respect to post-acute transition to the community
- CIHI linked acute episodes in the DAD to the NRS for rehab after ABI for 5 fiscal years
- NRS: age, geographic location, language, level of functioning (ability/disability), and availability of informal support
- DAD: acute diagnoses, comorbidities, injury severity and mechanism of injury



Researchers & CIHI

- Hosting/Co-hosting Conferences
 - HHR
 - Data Users
- Surveys
 - National Survey of the Work and Health of Nurses
 - National Physician Survey
- Analysis
 - Ben Chan
 - From Perceived Surplus to Perceived Shortage: What Happened to Canada's Physician Workforce in the 1990's?
 - Roger Pitblado
 - Distribution and Internal Migration of Canada's Health Care Workforce
 - NHSRU
 - Bringing the Future into Focus: Projecting RN Retirement in Canada

