



CIHI's Analytical Plan, 2018 to 2020



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.

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

www.cihi.ca

copyright@cihi.ca

© 2018 Canadian Institute for Health Information

Cette publication est aussi disponible en français sous le titre *Plan analytique de l'ICIS de 2018 à 2020*.

Introduction

The analytical products and indicators produced by the Canadian Institute for Health Information (CIHI) aim to inform the public, enlighten policy decisions and answer the most critical questions of health system managers, clinicians and other health stakeholders. The purpose of the corporate analytical plan is to provide a consolidated view of CIHI's analytical activities to ensure that they are

- Aligned with CIHI's strategic directions and priorities;
- Relevant to stakeholder needs; and
- Transparent for our partners, to help identify opportunities for collaboration and avoid duplication.

The plan builds on consultations regarding the information needs of CIHI's priority audiences, including policy-makers and health system managers. It presents a rolling picture of CIHI's new analytical projects, including new indicators and analytical reports, over 2 years.

Under the leadership of senior staff from across the organization, with expert external guidance from the Strategic Analytical Advisory Committee, CIHI's analytical planning process strives to identify relevant, appropriate and actionable analyses, while optimizing the efficient use of resources. This process has produced a number of collaborative projects, including partnerships with Statistics Canada, the Canadian Partnership Against Cancer, the Canadian Patient Safety Institute, Accreditation Canada, the Public Health Agency of Canada and provincial health quality councils.





Categorized by priority theme areas defined in CIHI's multi-year business plan, this document provides brief descriptions of projects envisaged for 2018–2019 and 2019–2020.

This is a draft of CIHI's analytical plan as of September 1, 2018. Actual names, release dates and products may change during development. The plan is updated twice a year, and the latest version can be found on [CIHI's website](#).





If you have any suggestions for CIHI's analytical plan or would like more information, please send an email to analyticalplan@cihi.ca.

Icon legend

Priority population themes

-  Seniors and aging
-  Mental health and addictions
-  First Nations, Inuit and Métis
-  Children and youth

Health system performance themes

-  Patient experience
-  Quality and safety
-  Outcomes
-  Value for money

 New  Indicator

Priority population projects



Seniors and aging

Drug Use Among Seniors in Canada, 2016

Released May 2018

This report provides updated information on the number and types of drugs prescribed to Canadian seniors. It also examines potentially inappropriate drug use and compares drug use among seniors living in long-term care facilities and those living in the community. This report gives a breakdown of this population by sex, age and, for the first time, by neighbourhood income and geographic location (urban or rural/remote).

Dementia in Canada

Released June 2018

This digital-only report brings together data and information on this complex illness and its effects on seniors, caregivers and health systems. More specifically, the report provides information on patients' use of acute care services, long-term care, home care and emergency departments, as well as data on patients' characteristics, quality of care measures and impacts on caregivers. It includes data and information from several sources, including the Public Health Agency of Canada.

Access to Palliative Care in Canada

Anticipated release: Fall 2018

As Canada's population ages, access to quality palliative care services has become a priority of federal, provincial and territorial governments. However, little comparable information exists on how palliative care is delivered across the country, especially in community settings. This report will provide baseline information on what we know about palliative care services in the last year of life, whether Canadians have equitable and timely access to appropriate services, and where information and service gaps remain.

Using Canadian Acute Care Data to Develop a Frailty Measure to Inform Quality of Care and Research on Seniors

Anticipated release: 2018–2019

Frail individuals are more likely to have increased care needs, hospitalizations, long-term care admissions and poor health outcomes. Identifying these individuals could lead to improved measurement of health system performance and better allocation of resources. This project aims to develop a frailty measure for acute care using routinely collected pan-Canadian administrative data — a measure that has yet to be developed in Canada.

Mental health and addictions

Mental Health and Addictions Care in Canada: A Resource Perspective

Anticipated release: Winter 2019

This report will provide a baseline description of the current state of available resources for people with mental health and addictions issues across Canada. Focusing on costs of care, number of beds, bed occupancy and health human resources, this snapshot will help to set the foundation for future analytical work.

Problematic Substance Use

Anticipated release: Spring 2019

In support of the [Common Statement of Principles on Shared Health Priorities](#), CIHI is working closely with federal, provincial and territorial governments to develop a set of common indicators focused on measuring pan-Canadian access to mental health and addictions services and to home and community care.

Problematic substance use causes a significant burden for Canadians, their families and society. This indicator will provide a signal as to whether Canadians are getting access to the information and help they need to prevent or manage problematic substance use.

Rates of Repeat ED/UCC Visits

Anticipated release: Spring 2019

In support of the [Common Statement of Principles on Shared Health Priorities](#), CIHI is working closely with federal, provincial and territorial governments to develop a set of common indicators focused on measuring pan-Canadian access to mental health and addictions services and to home and community care.

Repeat visits to emergency departments (EDs), urgent care centres (UCCs) or hospitals are usually a sign that people are not getting access to the services they need in the community. This indicator will look at rates of repeat visits to the ED and/or UCC for mental health and addictions issues.

Opioid-Related Harms in Canada

Released June 2018

Anticipated update: Fall 2018

This analysis provides metrics on the number of emergency visits and hospitalizations due to opioid poisoning, as well as new metrics on those due to opioid-related disorders and adverse effects.

Pan-Canadian Trends in the Prescribing of Opioids, 2012 to 2016

Released June 2018

Anticipated update: Spring 2019

This analysis provides metrics on the quantity of opioids being prescribed in Canada and the number of Canadians being prescribed an opioid.

Opioid Profiles in Canada: Parallel Report With the Australian Institute of Health and Welfare

Anticipated release: Fall 2018

With the growing use and abuse of opioids over the past decade, health care agencies in Canada and Australia have identified opioid use and abuse as a public health crisis. CIHI and the Australian Institute of Health and Welfare have partnered to produce parallel reports on opioid use in their respective countries. This partnership is an opportunity to learn from each other and to expand our understanding of opioid use and abuse.

Care for Children and Youth With Mental Disorders — Infographic and data tables

Released May 2018

This infographic provides information on emergency department and inpatient hospitalization use by children and youth with mental disorders in Canada. The data tables provide this information disaggregated by age, sex, province/territory and diagnosis. They also contain information on psychotropic medication use in this population. The infographic and data tables were originally released as companion products to the 2015 report *Care for Children and Youth With Mental Disorders*.

Patterns of Health System Use Among Children and Youth Who Self-Harm

Anticipated release: 2020–2021

Suicide is a tragic and potentially preventable cause of death that takes the life of more than 4,000 Canadians annually; it is a leading cause of death among youth. This work will describe the population affected by self-harm (including suicide) across Canada, focusing on children and youth. Cohort characteristics will be assessed using a retrospective approach to identify patterns associated with self-harm, encompassing basic demographics, diagnoses, interventions and prior health care utilization. Data permitting, social service use is another area that could be explored.

Children and youth

Asthma Hospitalizations Among Children and Youth in Canada: Trends and Inequalities

Released April 2018

In the chartbook and data tables, we examined trends in asthma hospitalizations among children and youth, as well as inequalities by income, geographic location and household education levels. To do this, we applied stratifier definitions for measuring health inequalities developed by CIHI in collaboration with Statistics Canada and supported by pan-Canadian experts (see [In Pursuit of Health Equity: Defining Stratifiers for Measuring Health Inequality](#)). Analysis for this chartbook leveraged newly available linked health and social data, specifically Statistics Canada's linkage of the long-form 2006 Census with hospital data from the Discharge Abstract Database. Linkage across data sources expands the availability of equity stratifiers, thus enabling a better understanding of how social and economic factors impact health and health care.

Health system performance projects

Patient experience

Wait Times for Priority Procedures in Canada, 2018

Released April 2018

This annual update of the interactive Wait Times web tool with 2017 data provides a timely snapshot of how long patients wait for a priority procedure and the proportion of patients who receive care within benchmarks for hip/knee replacements, hip fracture repair, cataract surgery, coronary artery bypass graft, radiation therapy, MRI scans and CT scans.

Patient Experience Survey 2018

Anticipated release: 2018–2019

This paper will outline the development process for CIHI's Canadian Patient Experiences Survey — Inpatient Care (CPES-IC), including the selection of survey items, the translation methods and the testing methods. It will also highlight the key success factors in building Canada's first pan-Canadian patient experience survey.

Exploring Drivers and Variations in Positive Care Experiences in Canadian Hospitals

Anticipated release: 2018–2019

This analysis will focus on acute care patient experience survey results from submitting jurisdictions (Ontario, New Brunswick, Manitoba, Alberta and British Columbia) across Canada. It will highlight variations in patient experience, focusing on the potential drivers of overall experience including factors such as age, gender, race and education. To further understand variations in patient experience, relationships with clinical outcomes will also be examined where possible. The analysis will take a patient-oriented approach, highlighting the value and importance of patient-reported data to support patient-centred care and inform quality improvement initiatives.

Quality and safety

Measuring Patient Harm in Canadian Hospitals: A Hospital Harm Data Update **N** **I**

Anticipated release: Spring 2019

This data release will provide updated pan-Canadian numbers for the Hospital Harm measure introduced in the 2016 report [Measuring Patient Harm in Canadian Hospitals](#). The data tables will provide information on the overall rate as well as counts by category and clinical group using the most recent methodology.

Examining Outcomes and Costs of Hip Replacement **N**

Anticipated release: 2019–2020

This study will compare outcomes and costs of hip replacement implants in Canada and examine factors that influence variation in outcomes and costs across patient subgroups. The findings will help inform policy, procurement and clinical practices regarding these high-volume surgeries that involve medical devices that aim to keep Canadians mobile and pain-free with an improved quality of life.

Equity projects

In Pursuit of Health Equity: Defining Stratifiers for Measuring Health Inequality

Released April 2018

CIHI collaborated with Statistics Canada and other organizations to develop definitions for selected stratifiers (socio-demographic variables) for measuring health inequalities. This work builds on a pan-Canadian stakeholder dialogue, convened by CIHI in March 2016, where participants prioritized equity stratifiers for routine and consistent measurement of health inequalities. This report includes definitions of the following stratifiers: age, sex, gender, geographic location, income and education. Work is under way to develop definitions of racial and ethnic identities. Defining these stratifiers to align with best practices will help facilitate pan-Canadian measurement of inequalities in health and health care.

In Pursuit of Health Equity: A Toolkit for Measuring Health Inequality in Canada

Anticipated release: Fall 2018

This toolkit will facilitate the measurement and reporting of health inequalities in Canada. It is organized into a 3-phase approach in which users can plan, analyze and report on indicators stratified by socio-demographic variables such as income and geographic location. This toolkit will also point users to relevant resources and will include a set of eLearning courses with practical exercises and demonstrations.

Measuring Trends in Health Inequalities Across Urban Cities

Anticipated release: 2018–2019

Inequalities in health and health care persist: generally, richer Canadians tend to be healthier and live longer than poorer Canadians. Many Canadians are experiencing the effects of rising income inequality. However, the impact is particularly concentrated in major urban centres, where the income gap is greatest. This study — a collaboration between CIHI, the Urban Public Health Network, Statistics Canada and the Public Health Agency of Canada — will examine trends in income-related health inequalities over time in major cities across Canada, using selected health and health care indicators. This analysis will provide local-level evidence to inform planning, as well as the development of policy and programs to improve health.

Appendix

Annual reports, indicators and data releases

In addition to the new projects listed in this plan, CIHI also publicly releases updates of the following reports and indicators on a yearly or other regular basis:

Types of care

- Canadian Organ Replacement Register (CORR): Treatment of End-Stage Organ Failure in Canada — Annual report and Quick Stats
- Continuing Care Reporting System (CCRS) — Quick Stats
- Emergency Department Visits in Canada — Quick Stats
- Hip and Knee Replacements in Canada: Canadian Joint Replacement Registry (CJRR) — Annual report and Quick Stats
- Home Care Reporting System (HCRS) — Quick Stats
- Hospital Mental Health Database (HMHDB) — Quick Stats
- Hospitalization and Childbirth in Canada — Quick Stats
- Induced Abortions Reported in Canada — Quick Stats
- Injury and Trauma Hospitalization and Emergency Department Visits — Quick Stats
- National Rehabilitation Reporting System (NRS) — Quick Stats

Health system performance

- Health Indicators e-Publication
- OECD Interactive Tool: International Comparisons
- OECD Health Database — Canadian Segment
- The Commonwealth Fund International Health Policy Survey — Quick Stats
- Wait Times for Priority Procedures in Canada — Interactive web tool
- Cardiac Care Quality indicators — Pan-Canadian comparable information on outcomes related to selected cardiac interventions
- Your Health System: In Brief — Interactive web tool providing selected indicators in 5 themes, for health regions and acute care and long-term care facilities
- Your Health System: In Depth — Interactive web tool providing an expanded suite of indicators with comparable results for health regions and acute care and long-term care facilities

Health workforce and spending

- Health Workforce — Data tables
- Hospital Financial and Statistical Information (Canadian MIS Database) — Quick Stats
- National Health Expenditure Trends — Annual report and Quick Stats
- Prescribed Drug Spending in Canada — Annual report
- Physicians in Canada — Annual report and Quick Stats
- Regulated Nurses in Canada — Annual report and Quick Stats



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

18297-0818

