CIHI’s Analytical Plan, 2017 to 2019
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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.


This is a draft of CIHI’s analytical plan as of January 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
- International

| New (N) | Indicator (I) |
Priority population projects

Common Statement of Principles on Shared Health Priorities: Interim Progress Report

Anticipated release: Spring 2018

CIHI is supporting the performance measurement commitments made by the federal, provincial and territorial health ministers in the Common Statement of Principles on Shared Health Priorities. This involves supporting the selection and development of a focused set of common indicators to measure pan-Canadian progress on improving access to mental health and addictions services, and to home and community care. Per the Common Statement, CIHI is producing an interim progress report and will then report annually starting in 2019.

In Pursuit of Health Equity: Defining Core Stratifiers for Measuring Inequalities

Anticipated release: Spring 2018

CIHI is leading a project in collaboration 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 will include 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 Guide to Measuring Health Inequality in Canada

Anticipated release: 2018–2019

This guide will facilitate the measurement and reporting of health inequalities in Canada. It takes a 3-phase approach for users to plan, carry out and interpret analysis and indicator reporting that is stratified by socio-demographic variables such as income and geographic location. This guide will also point users to relevant resources and will include a practical case study with exercises and demonstrations.
Measuring Trends in Health Inequalities Across Urban Areas

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 indicators. This analysis will provide local-level evidence to inform planning, as well as the development of policy and programs to improve health.

Mental health and addictions

Mental Health and Addictions Care in Canada: A Resource Perspective

Anticipated release: Spring 2018

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.

Opioid-Related Harms in Canada

Released September 2017

Anticipated updates: Both spring and summer 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

Released November 2017

Anticipated update: Summer 2018

This analysis provides metrics on the quantity of opioids being prescribed in Canada and the number of Canadians being prescribed an opioid.
Opioid Profiles: Parallel Report With the Australian Institute of Health and Welfare

Anticipated release: Summer 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 (AIHW) have partnered to produce comparable parallel reports on the status of 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.

Alcohol Harm in Canada: Examining Hospitalizations Entirely Caused by Alcohol and Strategies to Reduce Alcohol Harm — Indicator and report

Released June 2017

Alcohol use is one of the leading risk factors for death, disease and disability. This indicator measures the rate of hospitalizations entirely attributable to alcohol to support monitoring and drive action to reduce and prevent the burden of alcohol use. Indicator results are highlighted in this report, along with a summary of current alcohol policies across the provinces and territories.

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

Released May 2017

Anticipated update: Spring 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.
Seniors and aging

How Canada Compares: Results From The Commonwealth Fund’s 2017 International Health Policy Survey of Seniors

Anticipated release: Winter 2018

The Commonwealth Fund 2017 International Health Policy Survey focused on the health care experiences of seniors (age 65 and older) in 11 countries, including Canada. This report will offer a closer look at the Canadian story, including provincial breakdowns and changes over time where possible, and show how Canadian experiences with health care compare internationally.

Drug Use Among Seniors in Canada, 2016

Anticipated release: 2018–2019

This report will provide updated information on safe and appropriate use of medications by Canadian seniors, with a focus on the number and types of drugs used. It will also examine vulnerable populations at risk of polypharmacy and inappropriate medication use, by measuring inequalities according to geography, age, sex and neighbourhood income.

Dementia: Patients, Caregivers and the Health System

Anticipated release: 2018–2019

This digital report will use health administrative data to help policy-makers, health system planners and the public understand the burden associated with dementia, including dementia patients’ interactions with the health care system. More specifically, the report will provide information on patients’ use of acute care services, long-term care, home care and emergency department visits, as well as data on patients’ characteristics, quality of care measures and impacts on caregivers.

Access to Palliative Care in Canada

Anticipated release: 2018–2019

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

COPD in Alberta: Examining the Characteristics and Health Care Use of High Users

Released April 2017

This study describes the characteristics and health care utilization patterns of chronic obstructive pulmonary disease (COPD) patients in Alberta across sectors of care. A key objective is differentiating high users of acute care services from non–high users in order to inform strategies to reduce potentially avoidable acute care use.

Seniors in Transition: Exploring Pathways Across the Care Continuum

Released July 2017

There is international concern regarding the anticipated demand for health and social services from the growing seniors population. This study describes the trajectories of seniors as they move through the health system, with a focus on the factors that influence care paths. Accompanying interactive web tools allow users to explore the prevalence of certain factors among the populations in home care and residential care, by health region, and across time.

Home Care Quality Indicators

Released September 2017

There is significant interest in home care across Canada. Results for 16 risk-adjusted clinical quality indicators for home care, developed by interRAI, are now reported by CIHI. Participating jurisdictions can access detailed results for these indicators in CIHI’s private reporting environment; province-level clinical and administrative home care data is publicly available.
Children and youth

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

Anticipated release: Spring 2018

This chartbook will examine trends in asthma hospitalizations among children and youth, as well as inequalities by income, geographic location and household education levels. It will apply stratifier definitions for measuring health inequalities being developed by CIHI in collaboration with Statistics Canada and supported by pan-Canadian experts. It will also leverage 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

Anticipated release: Spring 2018

This annual update of the interactive Wait Times web tool with 2017 data will provide 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

Cardiac Care Quality Indicators — Indicators and report

Released October 2017

This report provides pan-Canadian comparable information on mortality and readmission outcomes following selected cardiac interventions. The Cardiac Care quality indicators are part of a suite of indicators that the Canadian Cardiovascular Society (CCS) has identified as important for evaluating the quality of cardiovascular care in Canada. The goal is to support cardiac centres across Canada in quality improvement and to encourage evidence-based practice.

Value for money

Understanding Variability in the Cost of a Standard Hospital Stay

Released June 2017

This analysis explains the observed variation in the Cost of a Standard Hospital Stay (CSHS) indicator, including between Canadian hospitals and across years within hospitals. It analyzes the impact of various factors, including size, teaching status and location. Key drivers of CSHS within a hospital’s control are identified.
Unnecessary Care in Canada

Released April 2017

The purpose of the Choosing Wisely campaign is to start a conversation about potentially unnecessary tests, treatments and procedures. CIHI is partnering with Choosing Wisely Canada to provide information on selected tests and treatments identified as having low value for patients when used in certain situations. The baseline report and companion technical report include previously unpublished analyses completed by CIHI and a scan of work done by Choosing Wisely partners, both publicly reported and under development.

International

International Comparisons: Benchmarking Canada’s Health System, 2017

Released November 2017

This updated web tool provides data on how Canada and the provinces compare with other countries in the Organisation for Economic Co-operation and Development (OECD) on 6 dimensions of care: health status, non-medical determinants of health, quality of care, access to care and primary care prescribing (new). The tool is accompanied by infographics.
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
- 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