Products and Services Guide

2022–2023

Canadian Institute
for Health Information

Institut canadien
d'information sur la santé

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Products and Services Guide

Home to more than 30 valuable data holdings, the Canadian Institute for Health Information (CIHI) delivers unbiased, credible and comparable health information. We also produce data standards and a wealth of reports, analyses, publications and education products for Canada's health systems. This guide gives you an overview of the key products and services we provide.

Note: This guide is updated every year on CIHI's website in an HTML format. This PDF version of the 2022–2023 edition is for historical reference only.

Products (partial list as of April 1, 2022)

We provide a number of resources to support the use of our products. Click the link on the product or service name in the tables below to access these.

See How to access our products and services for details on Core plan membership and pricing.

Standards

Standard	Description	Last updated	Included in Core Plan?
Acute and Ambulatory Care Content Standard	Provides jurisdictions, health care organizations and vendors with information on CIHI's acute and ambulatory care data requirements so they can consider and implement these within systems that collect this data at the point of care.	2021	Yes*
ICD-10-CA/CCI and Canadian Coding Standards	The national standards for classifying health care diagnoses and procedures. *International Statistical Classification of Diseases and Related Health Problems, 10th Revision, Canada* (ICD-10-CA) applies to diseases, injuries and causes of death; *Canadian Classification of Health Interventions* (CCI) applies to therapeutic and diagnostic interventions and other health care interventions.	2022	Yes†
Discharge Abstract Database (DAD) Abstracting Manual National Ambulatory Care Reporting System (NACRS) Abstracting Manual	Reference tools for data collectors and users to improve the quality and comparability of DAD and NACRS data that is submitted to the databases.	2022	Yes
interRAI, RAI and Rehabilitation manuals	CIHI is an authorized distributor of the interRAI instruments and manuals, published by interRAI, a collaborative network of researchers and practitioners in over 35 countries committed to improving care for persons who are disabled or medically complex.	Various	Yes‡

Standard	Description	Last updated	Included in Core Plan?
Health Human Resources Minimum Data Set	Provides jurisdictions, health care organizations and vendors with information on collecting, processing and reporting health human resources (HHR) data. It will help facilitate the development of HHR databases that are consistent with national standards and provide opportunities to make comparisons between jurisdictions and professions.	2015 (planned update for 2022)	Yes
MIS Patient Costing Methodology	A national methodology that uses the MIS Standards to gather and allocate costs to individual patients.	2019	Yes
Pan-Canadian Primary Health Care Electronic Medical Record Minimum Data Set for Performance Measurement	Enables the generation of comparable primary health care (PHC) electronic medical record (EMR) data and support performance measurement for clinical and health system use — including clinical program management, health system management, research and population health monitoring. Includes a core set of 45 data elements, 61 supplementary data elements and associated code systems and/or subsets for targeted data elements.	2020	Yes*
Standards for Management Information System	National standards for gathering, processing and reporting financial and statistical data on the day-to-day operations of a health service organization.	2022	Yes§

Notes
* Free to the public.
† Includes 1 licence for up to 100 concurrent users per organization.
‡ Includes 3 paper copies of each per organization.
§ Includes 2 licences, each for up to 5 concurrent users, per organization.

Data holdings

Hospital care

Data holding	Description	Included in Core Plan?
Canadian Patient Experiences Reporting System (CPERS)	Data about patient experiences from acute care hospitals or jurisdictions that administer the Canadian Patient Experiences Survey — Inpatient Care (CPES-IC).	No†
Discharge Abstract Database (DAD)	Administrative, clinical and demographic information on hospital discharges (including deaths, sign-outs and transfers). Some provinces and territories also use the DAD to capture information on day surgery.	Yes
Hospital Morbidity Database (HMDB)	Includes records from the DAD as well as acute care and day surgery data from Quebec.	Yes

Data holding	Description	Included in Core Plan?
National Ambulatory Care Reporting System (NACRS)	Hospital-based and community-based ambulatory care data on day surgeries, outpatient and community-based clinic visits and emergency department visits.	Yes
National Rehabilitation Reporting System (NRS)	Administrative, clinical and demographic information on clients receiving adult inpatient rehabilitation.	Yes
Patient-reported outcome measures	Information on aspects of patients' health status at a particular point in time (during an illness or treatment) that are relevant to their quality of life, including symptoms, functionality, and physical, mental and social health (general, and hip and knee joint replacement).	No

Note
† CPERS is free to Core Plan members once a jurisdiction pays a one-time fee to participate in the data holding.

Community care

Data holding	Description	Included in Core Plan?
Continuing Care Reporting System (CCRS)	Clinical, administrative and resource utilization data on individuals who receive continuing care services in hospitals or long-term care homes.	Yes
Home Care Reporting System (HCRS)	Clinical, administrative and resource utilization data from publicly funded home care programs.	Yes
Integrated interRAI Reporting System (IRRS)	Clinical, administrative and resource utilization data from publicly funded home care programs as well as hospital or long-term care homes that provide continuing care services.	Yes

Specialized care

Data holding	Description	Included in Core Plan?
Canadian Joint Replacement Registry (CJRR)	Patient-specific information (clinical, surgical and prosthesis) on hip and knee replacement surgeries performed in Canada.	Yes
Canadian Organ Replacement Register (CORR)	Data from hospital dialysis programs, transplant programs, organ donation organizations and independent health facilities. Tracks patients from their first treatment for end-stage organ failure (dialysis or transplantation) to their death.	Yes
Hospital Mental Health Database (HMHDB)	Data on hospitalizations for mental illness and addiction.	Yes
Ontario Mental Health Reporting System (OMHRS)	Information about inpatient mental and physical health, social supports and service use, as well as care planning, outcome measurement, quality improvement and case-mix funding applications (not exclusively Ontario).	No
Ontario Trauma Registry (OTR)	Identifies, describes and quantifies trauma injuries and deaths in Ontario.	No

Pharmaceuticals

Data holding	Description	Included in Core Plan?
National Prescription Drug Utilization Information System (NPDUIS)	Claims-level data focusing primarily on publicly funded drug benefit programs.	Yes

Patient safety

Data holding	Description	Included in Core Plan?
National System for Incident Reporting (NSIR)	Data submitted anonymously by Canadian health care facilities on all types of medication and radiation treatment incidents, including rare events and near misses.	Yes

Workforce

Data holding	Description	Included in Core Plan?
Health Workforce Database (HWDB)	Supply, geographic distribution, education and employment information on 7 groups of health professionals. Supply, geographic distribution, age and sex on an additional 30 groups of health care providers.	Yes
National Physician Database (NPDB)	Physician payments, physicians' level of activity, and demographic characteristics.	Yes
Scott's Medical Database (SMDB)	Supply, distribution, education, demographic and migration information on physicians.	Yes

Spending

Data holding	Description	Included in Core Plan?
Canadian MIS Database (CMDB)	Financial and statistical operations information on public hospitals and regional health authorities.	Yes
Canadian Patient Cost Database (CPCD)	Detailed cost data from a subset of health service organizations in Nova Scotia, Ontario, Alberta and British Columbia; detailed costs are submitted to CIHI at the patient level.	Yes
National Health Expenditure Database (NHEX)	Summary data on all health spending in Canada.	Yes*

Note

* Free to the public.

International comparisons

Data holding	Description	Included in Core Plan?
Commonwealth Fund International Health Policy surveys	Comparable information on patient and provider experiences in 11 developed countries.	Yes*
Organisation for Economic Co-operation and Development (OECD) Database (Canadian Segment)	Internationally comparable data on close to 1,200 variables.	Yes*

Note
*   Free to the public.

Grouping methodologies

Hospital care

Methodology	Description	Last updated	Included in Core Plan?
Case Mix Decision-Support Guide: CMG+	Information that increases clients' ability to understand and use Case Mix Group+ (CMG+) grouping information and to address increasing demands for case mix understanding and direction on how to use case-mix measures and products to inform decision-support.	2009	Yes
Case Mix Group+ (CMG+)	Aggregates acute care inpatients based on clinical and resource-utilization characteristics.	2022	Yes
Comprehensive Ambulatory Classification System (CACS)	Aggregates ambulatory care patients based on a number of data elements including diagnosis or intervention for the DAD, as well as emergency visit indicator, mode of visit, visit disposition, ambulatory care type or program area for NACRS.	2022	Yes
DAD Resource Intensity Weights (RIWs) and Expected Length of Stay (ELOS)	Explanation of the ELOS and RIW calculations for typical and atypical acute care inpatient cases. Includes tables containing the base ELOS, Trim Points and RIW value for each CMG and age group combination.	2022	Yes
System for Classification of In-Patient Psychiatry (SCIPP)	Grouping methodology used to categorize patients based on assessment data in OMHRS.	2019	No

Community and specialized care

Methodology	Description	Last updated	Included in Core Plan?
Rehabilitation Patient Group (RPG)	Categorizes inpatient rehabilitation client data based on primary reason for receiving services, client age at admission, and motor and cognitive functional status.	2018	Yes
Resource Utilization Groups version III (RUG-III)	Aggregates complex continuing care and residential care clients based on clinical and resource-utilization characteristics.	2016	Yes
Resource Utilization Groups version III Home Care (RUG-III-HC)	Aggregates home care clients based on clinical and resource-utilization characteristics.	2010	Yes
Resource Utilization Groups version III Plus (RUG-III Plus)	Aggregates complex continuing care and residential care clients based on clinical and resource-utilization characteristics.	2018	Yes

Population health

Methodology	Description	Last updated	Included in Core Plan?
Population Grouping Methodology	Builds clinical and demographic profiles of individuals to determine expected health care needs of the population.	2020	Yes

Indicators

Source	Description	Included in Core Plan?
CIHI health indicators	CIHI indicators that support provincial and territorial health ministries, regional health authorities and health care facilities as they monitor the health of their populations and track how their local health systems function. Includes definitions, methodologies and characteristics for the indicators we regularly calculate and report on, and links to the data reporting tools where we report indicator results. Note: Unless otherwise indicated, original data is provided by Canada's provinces and territories.	Yes*

Note

* List of indicators, definitions, methodologies and characteristics for the indicators is free to the public.

Reports and analyses

We respond to health care systems' needs and challenges by providing relevant, timely information that supports better decisions. We review and update our analytical plan twice a year, based on stakeholder feedback. You can find recent and upcoming releases stemming from our analytical plan on our website.

See CIHI's Access data and reports page for a selection of our recent, publicly available reports, analyses and more.

Selected data reporting tools

Tool	Description	Data years available	Included in Core Plan?
Health Indicators e-Publication	Produced jointly with Statistics Canada. A compilation of more than 80 indicators measuring health status, non-medical determinants of health, health system performance and community and health system characteristics. These indicators are produced at the health region level, as well as at provincial, territorial and Canada levels. Data used to calculate the indicators is the most recently available and represents a wide range of sources including the censuses, surveys and administrative records.	Various	Yes*
Health inequalities tools	Tools that help analysts and researchers explore trends in health inequalities by socio-economic status and demographic factors by year and changes over time at national and provincial levels. Tools that assist analysts and researchers with measuring and reporting on health inequalities, with a focus on stratifying health indicators.	Ongoing	Yes
Patient Cost Estimator	Provides average cost estimates of services provided to average patients in hospitals across the country. Includes estimates of physician costs for the hospital stays from 6 provinces.	2014 to 2020	Yes
Portal	A subscription-based, ad hoc reporting tool. Gives you access to data from CIHI's DAD, NACRS, HMDB, NRS and CMDB data holdings and census information from Statistics Canada.	From 2014	No†
Quick Stats	A series of free, publicly available reports that provide aggregate-level data about health care in Canada. Note: Unless otherwise indicated, original data is provided by Canada's provinces and territories.	Various	Yes*

Tool	Description	Data years available	Included in Core Plan?
Wait Times	An interactive tool and chartbook that give you wait times data for selected acute care priority procedures.	2008 to 2020	Yes*
Your Health System: In Brief	Selected indicators representing 5 themes that Canadians told us were important. Targets the general public.	2016 to 2021	Yes*
Your Health System: In Depth	A suite of indicators that provide comparable results for hospitals and regions. Targets the public, as well as facilities, regions and ministries.	2016 to 2020	Yes*
Your Health System: Insight	An analytical tool that lets health care providers and analysts dig deeper into indicator results. Targets acute and ambulatory care facilities, regions and ministries.	Current open year plus last 5 closed years	Yes

Notes

* Free to the public.

† As part of its Core Plan, CIHI provides ministries of health with 1 complimentary registration. Ministries can choose to offer this registration to an analyst on staff or to an analyst at any facility within their jurisdiction.

Additional tools

Tool/toolkit	Description	Last updated	Included in Core Plan?
CIHI Reference Data Model Toolkit	Public tool with information and resources that enable common terminology and data integration, including data standards (e.g., sex, gender).	2020	Yes*
eQuery	Tool for submitting questions about many of CIHI's products and services, as well as a searchable repository of answers on data-related topics.	Ongoing	Yes

Note

* Free to the public.

Education

CIHI develops and delivers a comprehensive set of education products that support you in using our products and services. These are available in a variety of formats to suit learners' needs (e.g., elearning courses, web-conference courses, in-person workshops [in line with public health guidance], job aids, checklists, videos). Education offerings are unlimited to Core Plan organizations, based on course/registration availability. Visit our Education page and Learning Centre to learn more.

Services

Ad hoc data requests

Researchers, decision-makers and health managers can request specific data from 1 or more of CIHI's data holdings. We can provide data at an aggregate or record level.

In-house or customized training

If desired, CIHI facilitators can deliver in-house training, or we can develop customized training to meet your organization's needs.

Contact our Education and Conferences team by email, education@cihi.ca, to learn more about availability and pricing of in-house or customized training.

How to access our products and services

You can access CIHI's products and services through our website and by logging in to your My Services account.

Your CIHI My Services account gives you access to information, manuals, reports, learning resources and some data reporting tools. Access to some products is restricted to clients whose organizations have signed a service agreement with us. Access to some CIHI products and services is limited to ministries of health, certain health organizations and organizations that submit data to us. Learn how to create an account.

Our eStore lets you access or purchase many of our products, publications, manuals and other tools.

Core Plan access

CIHI has bilateral agreements with Canada's provincial and territorial health ministries that give them access to CIHI's products and services. Most publicly funded Canadian health facilities and regional health authorities (or similar organizations) are covered by these bilateral agreements. These organizations have free access to a set of CIHI's products and services. We refer to this access as the Core Plan.

To find out whether your organization is entitled to access CIHI's products and services through the Core Plan, email help@cihi.ca or call 613-241-5543.

Some Core Plan products and services are subject to confidentiality and privacy restrictions (e.g., Your Health System: Insight). To access these, an organization may have to sign a service agreement with CIHI.

Core Plan organizations generally have unlimited online access to publications and education products in a variety of formats (e.g., HTML, PDF, online modules). Some products and services (e.g., MIS Standards, ICD-10-CA) are subject to a maximum entitlement for each organization with Core Plan access. We've noted these entitlements in the products and services tables above.

Core Plan organizations that wish to access products or services beyond their entitlements are eligible for Price A listed in eStore.

Core Plan organizations that wish to access products and services excluded from their jurisdiction's bilateral agreement pay Price B for that particular product or service.

Pricing for non–Core Plan organizations and users

Organizations and users who do not have Core Plan access pay per product/service.

Prices for each of our products and services are listed in our eStore or on other CIHI web pages.

- **Price A** applies to Canadian health facilities, governments, not-for-profit health agencies, universities, health professionals and researchers from the public sector.
- **Price B** applies to private commercial operations (including but not limited to software vendors and consultants), foreign customers and others who do not qualify for Price A.

Most of our products and services are available in electronic format. You can access them directly from our website and eStore.

To increase public awareness of Canada's health systems, CIHI's online publications and reports that contain national health information are available for free to all users.

Product and standards specifications

CIHI makes product standards, specifications, documentation, software and other materials and related services available to customers (commercial and non-commercial) for use in Canada's health care systems. Access to and use of these products is governed by CIHI's Health Information Standards and Specifications Agreement (HISSA). Authorized customers with a signed HISSA are able to subscribe to CIHI's suite of products; access is revisited on an annual basis, though not all products have annual revisions. Subscription for non-commercial customers is free of charge.

To find out whether your organization already has a subscription, please email help@cihi.ca or call 613-241-5543.

Data and information quality

CIHI's Data and Information Quality Program is recognized internationally for its comprehensiveness and high standards. We work with our data suppliers and users to ensure we continue to be a trusted source of health information that meets the broadening needs of our stakeholders. Find out more in *CIHI's Information Quality Plan*.

Privacy and security

We're committed to protecting the privacy and security of the personal health information we store in our data holdings. We review our comprehensive policies and procedures annually to ensure they remain consistent with industry best practices. For more information, visit our Privacy and security page.

Additional resources

Archives of past Products and Services Guides

cihi.ca