

Measuring Variations in Quality of Cardiac Care: Cardiac Care Quality Indicators Report

Considering that about 2.4 million Canadians are living with heart disease and that Canada's population is increasingly at risk,¹ it's important to examine the quality of cardiac care in order to support improvements in care and ultimately in the health of Canadians. The Canadian Institute for Health Information (CIHI) collects data and reports on a variety of indicators and measures related to cardiac care. The Cardiac Care Quality Indicators (CCQI) Report is one of the products it publishes on this topic.

The CCQI Report began in 2008 as a collaborative pilot project between CIHI and the Cardiac Care Network of Ontario.

The report expanded in 2013 to include all cardiac centres across Canada. Results are shared annually.

What's the purpose of the report?

The CCQI Report provides nationally comparable information on outcomes related to selected cardiac interventions among a suite of indicators that have been identified by the Canadian Cardiovascular Society (CCS) as key indicators for examining quality in cardiac care. (See the [CCS Quality Project](#) for further information.) The goal is to support cardiac centres across Canada in quality improvement.

Leveraging standardized and comparable data sources and methods, cardiac centres can compare their results with those of their peers across the country. Past results have revealed important differences among centres that can provide direction for quality improvement and knowledge sharing around best practices of care.

Collaboration with the Canadian Cardiovascular Society

With a common goal to accelerate improvements in the quality of cardiac care through the use of nationally comparable indicators, CIHI and the CCS are collaborating to

- Review and refine the Cardiac Care Quality indicators to ensure they are of high quality and meaningful to the Canadian cardiac care community;
- Develop capacity-building initiatives to accelerate the use of indicators for quality improvement; and
- Plan for a public reporting strategy of the Cardiac Care Quality indicators.

The work is guided by a national expert advisory group composed of cardiac physicians and hospital administrators, as well as representatives from the CCS and key cardiac and research organizations. Expertise is provided to inform indicator methodology development and enhancements.

For more information:

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Cardiac Care Quality indicators and measures

The 2017 CCQI Report will include 6 indicators and 1 volume measure (available at the national, provincial and cardiac care centre levels) focused on outcomes following percutaneous coronary intervention (PCI), coronary artery bypass graft (CABG) and aortic valve replacement (AVR). Risk-adjusted results will be available for all indicators, along with a number of methodological enhancements based on feedback from stakeholders and the expert advisory group. The private release will take place in April 2017 and a **public release is anticipated in fall 2017**. More details on the public release will follow.

Intervention	Indicator/measure
PCI	30-Day In-Hospital Mortality After PCI
	30-Day Readmission Rate After PCI
	PCI Volume by Province and Centre*
Cardiac surgery	30-Day In-Hospital Mortality After Isolated CABG
	30-Day In-Hospital Mortality After CABG and AVR
	30-Day In-Hospital Mortality After Isolated AVR
	30-Day Readmission Rate After Isolated CABG

Note

* Measure, not risk-adjusted.

What's available in the CCQI Report?

In April 2017, the private release of the CCQI Report will be available in CIHI's [Data Preview for Indicators Tool](#). Results for participating centres will be available in an interactive Excel spreadsheet, which will include

- Numerators, denominators and crude rates;
- Risk-adjusted rates with multiple graphical representations of results by province and centre; and
- Risk factor distribution by centre.

Who can access the report?

Designated users in health care systems can access the Data Preview for Indicators Tool. Clinicians at each centre can obtain the report through their centre-specific CCQI contact. With the help of the CCS, CIHI continues to improve the dissemination of the private report in order to reach key stakeholders.

If you have any questions about access or the CCQI Report, please email us at cardiacquality@cihi.ca. We will be happy to answer your questions.

Other cardiac care indicators available from CIHI

CIHI also reports on a number of other indicators related to cardiac care. Results are available publicly from the following links, and methodological notes are available in the [Indicator Library](#):

Indicator	Level of reporting	Link
30-Day Acute Myocardial Infarction In-Hospital Mortality	By place of residence <ul style="list-style-type: none"> • National • Province/territory • Region 	Health Indicators e-Publication
30-Day Acute Myocardial Infarction In-Hospital Mortality	By place of service <ul style="list-style-type: none"> • National • Province/territory • Region • Hospital 	Additional Acute Care (Hospital) Indicators
30-Day Acute Myocardial Infarction Readmission	By place of residence <ul style="list-style-type: none"> • National • Province/territory • Region 	Health Indicators e-Publication
Cardiac Revascularization Rate	By place of residence <ul style="list-style-type: none"> • National • Province/territory • Region 	Health Indicators e-Publication
Coronary Artery Bypass Graft (CABG) Rate	By place of residence <ul style="list-style-type: none"> • National • Province/territory • Region 	Health Indicators e-Publication
Hospitalized Heart Attacks	By place of residence <ul style="list-style-type: none"> • National • Province/territory • Region 	Your Health System: In Depth
Inflow/Outflow Bypass Surgery	By place of residence <ul style="list-style-type: none"> • Region 	Health Indicators e-Publication
Inflow/Outflow Percutaneous Coronary Intervention	By place of residence <ul style="list-style-type: none"> • Region 	Health Indicators e-Publication
Percutaneous Coronary Intervention Rate	By place of residence <ul style="list-style-type: none"> • National • Province/territory • Region 	Health Indicators e-Publication
Wait Times for Bypass Surgery	By place of service <ul style="list-style-type: none"> • National • Province/territory • Region 	Wait Times Tool

Reference

1. Government of Canada. [Heart disease — Heart health](#). Accessed February 2, 2017.