

Canadian Joint Replacement Registry Update

CJRR coverage, 2019–2020

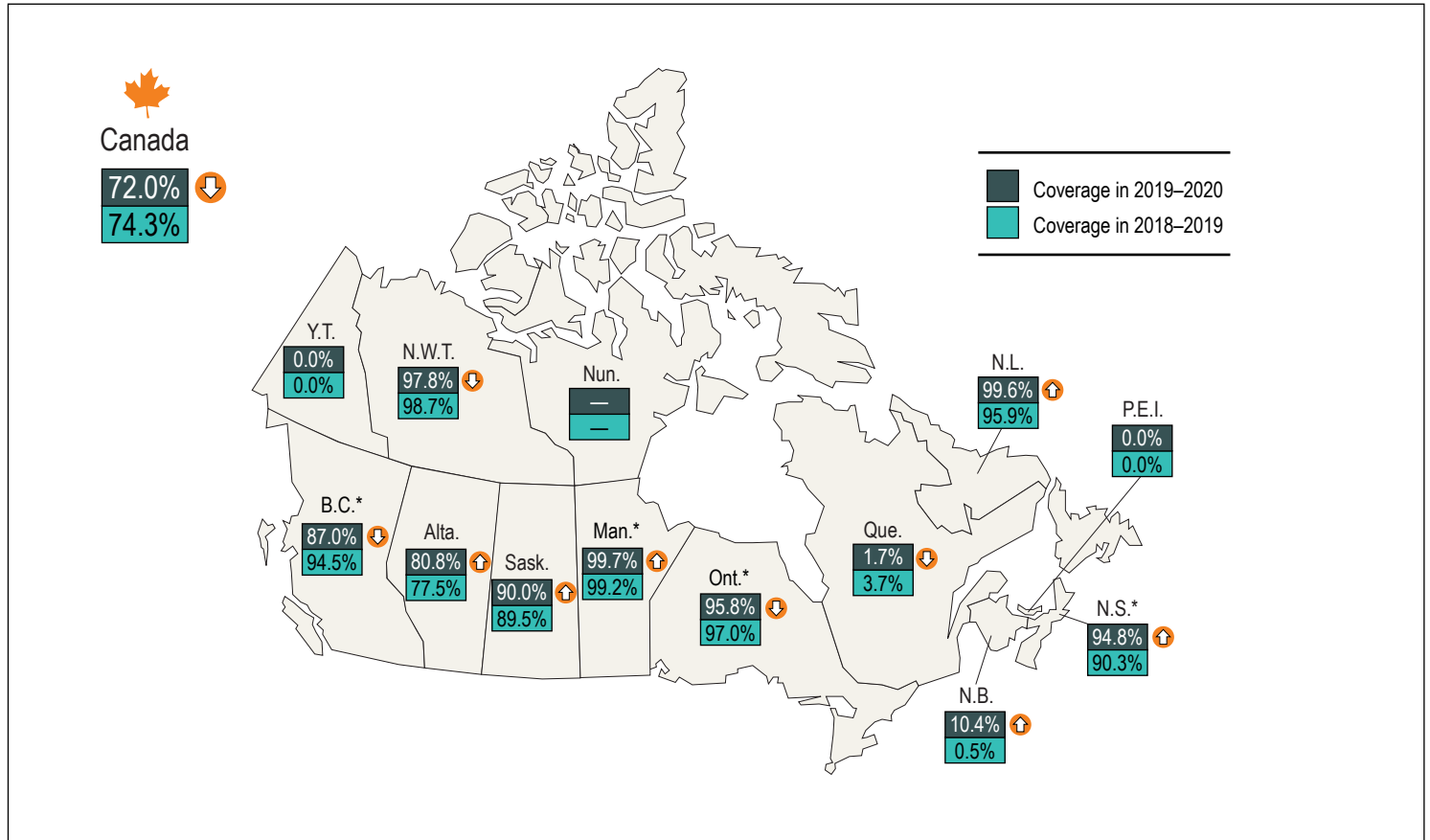
Thank you to all Canadian Joint Replacement Registry (CJRR) data providers for your ongoing efforts to collect and submit data in a timely manner.

In 2019–2020, national capture of hip and knee prosthesis data was 72%, a small decrease from 74% in 2018–2019. CJRR submission was mandatory in Nova Scotia, Ontario, Manitoba and British Columbia, and voluntary in other provinces and territories. These results include procedures or discharges from April 1, 2019, to March 31, 2020.

Beginning in March 2020, as a result of the COVID-19 pandemic, elective surgeries across the country — including hip and knee replacements — were cancelled or deferred. Future data will provide more information on the impacts of COVID-19 on our health care systems.



Figure CJRR prosthesis data coverage, 2019–2020



Notes

* Mandatory submission.

— Not applicable.

For all jurisdictions (except Quebec), the denominator is based on the 2019–2020 Discharge Abstract Database and 2019–2020 National Ambulatory Care Reporting System. For Quebec, the denominator is based on the 2018–2019 Hospital Morbidity Database.

Sources

Canadian Joint Replacement Registry, Discharge Abstract Database and National Ambulatory Care Reporting System, 2019–2020, and Hospital Morbidity Database, 2018–2019, Canadian Institute for Health Information.

Submission deadlines, 2020–2021

Refer to the [Submission deadlines and refresh dates](#) page on the Canadian Institute for Health Information (CIHI) website for deadlines. Depending on your submission method, search for or filter by “DAD” (for CJRR data submitted through the Discharge Abstract Database [DAD]) or “CJRR” (for CJRR data submitted through the legacy CJRR electronic file system).

CJRR product releases

[Early Revisions of Hip and Knee Replacements in Canada: A Quality, Productivity and Capacity Issue](#)

This report focuses on hip and knee revision (or repeat) surgeries needed within 2 years of the initial joint replacement. Using the latest available data, this study provides a better understanding of who requires these revision surgeries and why, and quantifies the impacts on our health care systems.

[Hip and Knee Replacements in Canada](#)

This release provides annual statistics on hip and knee replacements performed in Canada in 2018–2019, as well as clinical findings based on revision risk curves.

[Data Quality Documentation for Users: Canadian Joint Replacement Registry, 2018–2019 Data](#)

This report provides high-level data quality information about the 2018–2019 CJRR database. This information will help users determine whether the data is fit for their intended use.

Data quality reminders

The quality of the prosthesis data submitted to CJRR is a critical component of this national medical device registry. Please note the following quality checks and tips:

- General
 - Enter personal health information in designated fields only.
 - Submit both urgent and elective CJRR procedures.
- Product (sticker) information
 - Submit information from **all** applicable stickers (e.g., submit at least 2 stickers if the acetabular cup and acetabular liner are replaced).
 - Refer to the sections on component information categorization in the *CJRR Minimum Data Set Manual* or the *DAD Abstracting Manual*.
 - Scan prosthesis barcodes for more accurate and efficient capture. Avoid manually entering product information when possible.
 - Enable the Automatic Identification and Mobility (AIM) code when barcode scanning. This will ensure that CIHI can appropriately extract the product numbers.
 - For manual entries, enter the product and lot numbers exactly as they appear on the sticker.
 - Use the Manufacturer — Other field **only** when the manufacturer name is not in the list of CJRR manufacturers.

- For DAD submitters only
 - When entering intervention details,
 - Ensure patients do not have multiple primary hip and knee procedures on the same side; subsequent interventions on the same side (including total joint replacements) must be captured as revisions.
 - Ensure the value of the extent attribute matches the corresponding intervention code for hip arthroplasty implantation prosthetic device with code 1.VA.53.^^.
 - Please review your facility’s quarterly DAD Open-Year Data Quality Report for suspected data quality issues related to hip and knee replacements (e.g., D1105-86, D1105-166). Test specifications for 2019–2020 are available on the [DAD metadata page](#).

Resources to support CJRR submission

- The course Barcode Scanning of Prosthesis Information (1013E), available in [CIHI’s Learning Centre](#), describes how to set up a barcode scanner and how to submit product and lot numbers accurately using a scanner or manual entry.
- For legacy submitters
 - The [CJRR Minimum Data Set Manual](#) is available on the CJRR web page.
- For DAD submitters
 - The [DAD Abstracting Manual](#) is available in [CIHI’s Client Services](#) (login required).
 - The course Submitting Hip and Knee Prosthesis Information in DAD (1043E), available in [CIHI’s Learning Centre](#), covers how to accurately submit hip and knee replacement prosthesis information to the DAD using case studies.
 - The [eQuery](#) FAQ, available after logging in to [CIHI’s Client Services](#), is updated regularly based on your questions. Search using the data element Hip/Knee Prosthesis Information under DAD Product, or submit new questions.

Appendix: Text alternative for figure

CJRR prosthesis data coverage, 2019–2020

Jurisdiction	Coverage in 2019–2020	Coverage in 2018–2019	Increase/decrease from 2018–2019 to 2019–2020
Canada	72.0%	74.3%	Decrease
Newfoundland and Labrador	99.6%	95.9%	Increase
Prince Edward Island	0.0%	0.0%	No change
Nova Scotia*	94.8%	90.3%	Increase
New Brunswick	10.4%	0.5%	Increase
Quebec	1.7%	3.7%	Decrease
Ontario*	95.8%	97.0%	Decrease
Manitoba*	99.7%	99.2%	Increase
Saskatchewan	90.0%	89.5%	Increase
Alberta	80.8%	77.5%	Increase
British Columbia*	87.0%	94.5%	Decrease
Yukon	0.0%	0.0%	No change
Northwest Territories	97.8%	98.7%	Decrease
Nunavut	Not applicable	Not applicable	Not applicable

Notes

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Sources

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For data-specific information:

cjrr@cihi.ca

