Canadian Joint Replacement Registry Update

Introduction

Welcome to the summer 2017 edition of the Canadian Joint Replacement Registry (CJRR) Update. This edition provides information about CJRR data submission for 2017–2018 and upcoming developments for 2018–2019.

Upcoming changes for 2018–2019

- As communicated in the March 15, 2017, bulletin, CIHI is implementing changes to the CJRR data submission process. As of April 1, 2018, submission of hip and knee replacement prosthesis information will be integrated into the Discharge Abstract Database (DAD), CIHI's main hospitalization database. Refer to the table on the next page for the CJRR-related elements that will be included in the DAD.
- After 2017–2018 data has been processed, CIHI will be retiring the CJRR Web-Based Data Submission and Reports Tool in summer 2018. This will focus CJRR submission efforts through the DAD, except where a jurisdiction and CIHI have made arrangements to continue submissions through electronic files to the legacy CJRR database.
- CIHI is working with each jurisdiction to confirm its submission method for CJRR data as of April 1, 2018. Further updates will be provided in fall 2017 on each jurisdiction's decision.
- Web-tool users will receive more information soon, including about downloading a copy of historical data submissions.

Recent CJRR product releases

Released spring 2017

- *Hip and Knee Replacements in Canada, 2014–2015: Canadian Joint Replacement Registry Annual Report*
- *Hip and Knee Replacements in Canada: Canadian Joint Replacement Registry 2015–2016 Quick Stats*
- *Data Quality Documentation for Users: Canadian Joint Replacement Registry, 2015–2016 Data*

To access these products and reports, please visit CJRR's web page.

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Table CJRR-related data elements added to the DAD as of April 1, 2018

DAD data elements	Description
Height*	Height of the patient
Weight*	Weight of the patient
Revision Reason	Primary reason for revision surgery (e.g., aseptic loosening, bearing wear, implant fracture, infection, instability)
Joint Identifier	Links intervention with device information (for up to 2 interventions)
Side	Left, right (needed for bilateral surgeries)
Components Involved	For hip: Femoral, acetabular For knee: Femoral, tibial, patellar
Cement Details (1 sticker per surgery side)	Cement name, product number, lot number
Manufacturer (per component)	The manufacturer of the device
Product Number (per component)	The product number (also known as the reference number, catalogue number, EDI or GTIN) of the device
Lot Number (per component)	The lot number of the device

Note
* Height and Weight will be collected for all DAD records as optional data elements.

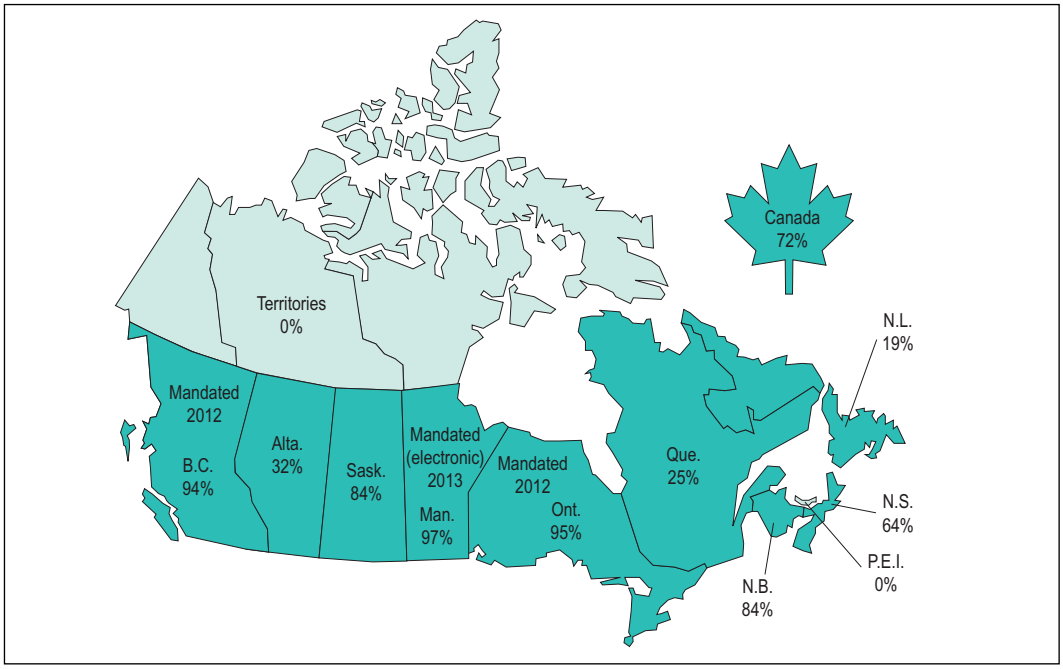
Other important information related to implementation:

- Similar to the CJRR system, the DAD system will have the ability to receive scanned barcode information and parse out the requisite product information.
- The 2018 DAD vendor system will be available for early testing during summer 2017. For preliminary vendor specifications, please write to help@cihi.ca.
- Education products for 2018–2019 submissions are being developed, including a webinar that will be available prior to April 1, 2018.

CJRR coverage

National capture of hip and knee prosthesis data continues to increase. CJRR coverage increased slightly from 71% in 2015–2016 to 72% in 2016–2017. CJRR submission is mandatory in Ontario, Manitoba and British Columbia and voluntary in other provinces.

Figure CJRR coverage, 2016–2017



Note
This figure presents preliminary coverage, which is determined by the percentage of hip and knee replacement records submitted to CJRR compared with data submitted to the DAD in the same year. For Quebec, the denominator is based on data from the Hospital Morbidity Database for 2015–2016.

Data quality reminder

The use of CJRR data depends on its high standard for data quality. Please keep the following in mind:

- Enter personal health information in the designated fields only.
- Avoid manual entry of product information where possible. Barcode scanning makes it faster and more efficient to capture the prosthesis information.
- When barcode scanning, enable the Automatic Identification and Mobility (AIM) code. This will ensure that the CJRR system can appropriately extract the product numbers into the CJRR database.
- If you are manually entering product information for Zimmer products (in lieu of barcode scanning), submit the product EDI — not the reference number — in the Product Number field.

Refer to the CJRR barcode scanning bulletin for the steps to capture implant and cement information from product stickers using barcode scanners. Because product stickers are not standardized in the industry, data providers must ensure that the correct barcode is scanned and that information appears in the appropriate CJRR data field (i.e., Product Number versus Lot Number).

2017–2018 data submission deadlines

A reminder of the quarterly submission deadlines for CJRR data submission for 2017–2018:

Surgery date	Deadline for final submission to CJRR
April 1 to June 30, 2017 (Q1)	August 31, 2017
July 1 to September 30, 2017 (Q2)	November 30, 2017
October 1 to December 31, 2017 (Q3)	February 28, 2018
January 1 to March 31, 2018 (Q4)	May 31, 2018 (final deadline for all 2017–2018 submissions)

Appendix: Text alternative for image

In Canada, overall coverage for CJRR was 72% in 2016–2017. Coverage by province was as follows:

- Newfoundland and Labrador, 19%
- Nova Scotia, 64%
- New Brunswick, 84%
- Quebec, 25%
- Ontario, 95%
- Manitoba, 97%
- Saskatchewan, 84%
- Alberta, 32%
- British Columbia, 94%

Prince Edward Island, Yukon, the Northwest Territories and Nunavut did not submit to CJRR.

Note that Ontario and British Columbia mandated submission in 2012, and Manitoba mandated electronic submission in 2013.

help@cihi.ca

For data-specific information:

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