Bulletin

February 3, 2012

CIHI Case Mix Update 2 – DAD Acute Inpatient Data

RIW and ELOS Update for CMG+ 2011 Methodology

IMPORTANT NOTICE! PLEASE REVIEW AND NOTE TIMELINES

This is a follow-up to the Case Mix Bulletin Dec. 14, 2011, which outlined the error in the RIW and ELOS tables for the CMG+ 2011 methodology used for DAD acute inpatient data. This bulletin provides important additional detail about the error, our timeline for its resolution as well as implications for our clients of doing the correction.

In early January, CIHI met with the representatives of the National Clinical Administrative Databases Advisory Group to discuss the implications for correcting this error in the DAD production system, at an earlier or a later date. The majority of jurisdictions indicated their preference for CIHI to correct this error as soon as possible.

Some further details on the impact to data:

- At the system level, some biases are introduced by the error: weighted cases biased upwards by 2%, ELOS biased downward by 1.6%.
- Because the trim point is estimated incorrectly, atypical status can be incorrect, causing volumes of typical and atypical vs. long-stay and long stay /atypical cases to be incorrect.

Who We Are

Established in 1994, CIHI is an independent, not-for-profit corporation that provides essential information on Canada's health system and the health of Canadians. Funded by federal, provincial and territorial governments, we are guided by a Board of Directors made up of health leaders across the country.

Our Vision

To help improve Canada's health system and the well-being of Canadians by being a leading source of unbiased, credible and comparable information that will enable health leaders to make better-informed decisions.

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- Long Stay cases: volume overestimated, RIW underestimated, causing weighted cases to be overestimated

- Atypical cases: RIW and weighted cases are overestimated

Impact on RIW and ELOS when corrected tables are used:

- Typical cases: average RIW remain virtually identical, while volume increases by 0.5% and weighted cases by 0.6%. ELOS increases by 1.6%

- Atypical cases: average RIW decrease by 9.75% and weighted cases decrease by 8.4%

- Long-stay cases: average RIW increase by 6.6%, but volume decreases by 10.2%, causing a 4.3% decrease in weighted cases

Timeline for implementation of corrections – important details for clients!

- January 31: Corrected RIW and ELOS tables provided to vendors.

- February 6: Last DAD production run before implementation of changes.

- February 7 - 15: CIHI will implement corrected RIW and ELOS in DAD production. During this period CIHI will not process your files in the usual way so the usual Submission Reports and/or monthly Hospital Specific Reports will not be posted. You may however, receive an email notification if the data files you submit generate a File Rejection Report, Abstract Rejection Report, an Institution File Rejection Report or an Institution File Report.

- February 15: Start processing DAD files. Resume the release of Submission Reports and monthly Hospital Specific Reports. However, <u>we will suspend the edits which compare vendor assigned RIW and ELOS values to CIHI values</u>. This is because all of your records will be flagged with error messages from this date until the time your vendor implements the correction. These messages will not be turned back on until the majority of hospitals have implemented the corrections to their systems. The date will be communicated in a subsequent bulletin. (All other edits will be in effect as usual).

- February 17: Facility files containing five years of historical data (2006-07 through 2010-11) regrouped with the corrected RIW and LOS will be posted in the DAD Historical Data external application. This data will remain available to you for download until **Monday April 16, 2012.**

- March 1: The CMG+ Assigned Values data file is being changed from a monthly to a cumulative file. The cumulative file will be available on March 1st. Facilities will receive this file upon their first submission of a period's data following this date. This file will provide facilities with the corrected values for all 2011-12 data from April 1st to date.

- March 1: Repost DAD RIW and ELOS for CMG+ 2011 publication and CMG+ 2011 client tables to web.

- March 22: eDAD reports and Portal data updated with corrected values for the current-year and the five years of historical data regrouped.

We do not anticipate any significant delay in the timelines for hospital testing and implementation of the DAD 2012-13 system.

For further information on the above, please contact Case Mix at casemix@cihi.ca