Patient-Reported Outcome (PRO) Data Collection Template User Guide

Last Updated October 29, 2019

Centers for Medicare & Medicaid Services (CMS)
Comprehensive Care for Joint Replacement (CJR) Model
Reporting of Patient-Reported Outcome (PRO) and Limited Risk Variable Data

File Content and Descriptions

Hospitals participating in the Center for Medicare & Medicaid Innovation (CMMI) Comprehensive Care for Joint Replacement (CJR) model must use the Patient-Reported Outcome (PRO) Data Collection Template to submit the required PRO and risk variable data. The template is a customizable Excel document; depending on selections from the *Customization Elements* for each procedure, the template will shade gray and disable data elements that do not apply, and allow all other data to be entered. The variable names in this template are defined in the accompanying CJR PRO Data Dictionary. The Data Dictionary will also provide detailed data specifications for the variables in the template.

In Performance Years (PYs) 3-5, hospitals must use the PRO Data Collection Template unless otherwise instructed by CMS. The current data collection template, titled PY 5 CJR PRO Data Collection Template, is available under the libraries tab on *CJR Connect*. A guide to submit the completed PY 5 template will become available in Spring 2020, prior to the PY 5 data submission period.

Data Entry Worksheet

The PRO Data Collection Template includes macros for data element validation and customization. When the file is opened, choose to "Enable Content" to enable macros if prompted with a security warning. Macros must be enabled for correct template functionality.

There is one worksheet in the template, the Data Entry worksheet. This worksheet can be customized to show the data hospitals are required to collect and submit for eligible Total Hip Arthroplasty (THA) or Total Knee Arthroplasty (TKA) procedures. The first four columns (A through D) in this worksheet are called *Customization Elements* (highlighted in blue in the Data Entry worksheet). These columns define the type of procedure, whether the data being submitted is pre- or post-operative data, and the specific PRO survey instruments for the patient. Each row in the Excel spreadsheet reflects an individual procedure and can be customized accordingly.

The variable names **P_TYPE**, **TODC**, **PS_PROM**, and **G_PROM** are defined as Procedure Type, Time of Data Collection, Procedure Specific Patient Reported Outcome Measure (PROM), and Generic PROM, respectively. Additional data specifications for these variables can be found in the Data Dictionary. The Data Dictionary also has a worksheet summarizing any changes to the Template compared to prior versions. For the four customization elements, the drop-down menu options are:

- Procedure Type (P_TYPE): 1 = Left Hip Replacement **or** 2 = Right Hip Replacement **or** 3 = Left Knee Replacement **or** 4 = Right Knee Replacement (**Note**: This is a change from prior template versions)
- Time of Data Collection (TODC): 1=Pre-op **or** 2=Post-op
- Procedure Specific PROM (PS_PROM): Dependent on choice of Procedure Type, but can be 1=HOOS Jr. **or** 2=HOOS Subscales; 3=KOOS Jr. **or** 4=KOOS Subscales
- Generic PROM (G_PROM): 1=VR-12 **or** 2=PROMIS-Global version 1.1 **or** 3=PROMIS-Global version 1.2

Once hospitals complete their selections of the four *Customization Elements*, the worksheet will automatically show the data elements that hospitals are to collect and submit in the remaining columns (E through CX). Data elements that are not applicable will be shaded gray. Please note that in order for the template to correctly identify required variables, the *Customization Elements* must be entered sequentially beginning with column A.

The column (CY) called ***Core Data Missed***, located on the far right of this worksheet, will show the number of core data elements (or remaining data) hospitals must submit. This column is included to help hospitals perform automated self-checks on data completeness. As hospitals enter in the core data elements, this number will automatically decrease accordingly. Hospitals can refer to the data dictionary for information on the core versus non-core data elements for collection and submission. A value of "0" in the Core Data Missed column indicates the data for that patient (row) are complete. The cells shaded gray indicate that data are not applicable based on the selections of the four *Customization Elements*, and not required for successful submission. Hospitals should not enter data in grayed-out fields. Please note, hospitals must thoroughly review their data for accuracy and completeness prior to submission.

In this worksheet, each data variable cell has a unique data validation rule which will reject invalid entries. Hospitals can click on the variable name in the first row of the worksheet (Figure 1), or refer to the comment automatically populated from the rejected cell for validation details (Figure 2).

Figure 1*: Data validation rule when hospitals click on the variable name

Figure 2*: Data validation rule details from a rejected cell*

	A	B	C	D	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK
1	P_TYPE	TODC	PS_PROM	G_PROM	CJR_HOOS_Q4	CJR_HOOS_Q5	CJR_HOOS_Q6	CJR_HOOS_Q7	CJR_HOOS_Q8	CJR_HOOS_Q9	CJR_HOOS_Q10	CJR_HOOS_Q11	CJR_HOOS_Q12	CJR_HOOS_Q13	CJR_HOOS_Q14
2	1	1	1	1								Integer ranging from 0-4			
3															
4															
5															
6															
7															

Note: The PRO Data Collection Template, in its macro-enabled .xlsm file format, provides important data quality checks to increase the likelihood of success for hospitals submitting data. The PRO Data Collection Template is the only quality check available. Hospitals must submit data using the template format. Failure to adhere to the template will result in your hospital's PRO data file not being processed by CMS.

Data Submission

Hospitals participating in PRO and limited risk variable data reporting component of the CJR model will be asked to submit Personally Identifiable Information (PII) and Protected Health Information (PHI) in the Data Collection Template. PY 5 data submission guidance will be provided to hospitals in Spring 2020, prior to the PY 5 data submission period. **Do NOT email your data. Emailing this data is a security violation**.

Participating hospitals must meet the PRO and risk variable data reporting requirements for each PY in order to fulfill the successful data reporting criteria set forth in the 2015 CJR final rule. In PY 5 of the CJR model, successful submission of THA/TKA PRO and risk variable data for eligible elective, primary THA/TKA procedures requires the completion of all the following:

1. Submission of the relevant data elements as finalized in the 2015 CJR final rule (refer to Table 28 of the final rule).

2. Submission for the required number of procedures as finalized in the 2015 CJR final rule (refer to Table 30 of the final rule):

   ➢ In PY 5, post-operative data must be submitted on at least 80% or at least 200 of the eligible THA/TKA procedures performed during PY 4, and pre-operative and risk variable data must be submitted on at least 80% or at least 200 of the eligible procedures performed during PY 5.

3. THA/TKA data submission must occur within 60 days of the end of the most recent data collection period.

   ➢ In PY 5, PRO data must be submitted between July 1, 2020 and August 31,

2020.

Contacts and Additional Resources

For more information about the CJR model:

- Visit the Centers for Medicare & Medicaid Services Innovation Center website at: https://innovation.cms.gov/initiatives/cjr; or

- Direct your inquiries to the CMS CJR Model Team at: CJRSupport@cms.hhs.gov.

For the CJR model final regulation, please visit the Federal Register website at: https://www.federalregister.gov/.

For PRO and risk variable data collection resources, please visit CJR Connect at: https://app.innovation.cms.gov/CJRConnect/CommunityLogin. PRO data collection resources are available for download in the PRO Data Collection content pack in the Libraries tab.