Release of AHRQ Quality Indicators^{TM} Software for WinQI v 7.0 ICD-10-CM/PCS, September 2017

The Agency for Healthcare Research and Quality (AHRQ) announces the release of the AHRQ Quality Indicators (QI) software for WinQI version 7.0. This software applies to all four modules: the Prevention Quality Indicators (PQI), Inpatient Quality Indicators (IQI), Patient Safety Indicators (PSI), and Pediatric Quality Indicators (PDI).

All of the relevant AHRQ QI^{TM} software and documentation regarding v7.0 ICD-10-CM can be found on the AHRQ QI Web site at http://www.qualityindicators.ahrq.gov.

The following sections summarize the major changes from Technical Specifications and QI Software v6.0 to v7.0 ICD-10-CM.

1.0 Fiscal Year 2017 Coding Updates

The AHRQ QI software v7.0 ICD-10-CM reflects major coding changes based on fiscal year 2017 coding updates to the *International Classification of Diseases, Ninth Revision, Clinical Modification* (ICD-9-CM). These coding changes impact all software modules.

2.0 Specification Changes

The WinQI v7.0 ICD-10-CM software implements specification and programming changes that were developed through a detailed deliberation and assessment process with AHRQ personnel and other AHRQ stakeholders. Importantly, the v7.0 ICD-10-CM software reflects the retirement of IQI area-level measures.

Specification and programming changes were implemented across all modules, and are detailed in the Log of Coding Updates and Revisions for each AHRQ QI module. These are available at the following web address:

- PQI: https://www.qualityindicators.ahrq.gov/Downloads/Modules/PQI/V70/ChangeLog_PQI_v70.pdf
- IQI: https://www.qualityindicators.ahrq.gov/Downloads/Modules/IQI/V70/ChangeLog_IQI_v70.pdf
- PSI: https://www.qualityindicators.ahrq.gov/Downloads/Modules/PSI/V70/ChangeLog_PSI_v70.pdf
- PDI: https://www.qualityindicators.ahrq.gov/Downloads/Modules/PDI/V70/ChangeLog_PSI_v70.pdf

3.0 Population Files

The WinQI software v7.0 ICD-10-CM includes population estimates through 2015. The population data, which are based on the 2010 Census and intercensal estimates, are used to calculate the denominators for the area-level QIs. For additional information on the population file, see the document titled *2015 Population File for Use With AHRQ Quality Indicators^{TM}*.

4.0   Reporting Rates for Specific Measures

The AHRQ WinQI v7.0 ICD-10-CM software does not include risk adjustment at this time. Thus, only the numerators, denominators, and observed rates are reported.

5.0 Retirement of Area Level IQI and PQI

Beginning in QI software v7.0 ICD-10-CM/PCS, several indicators have been retired. These measures are retired due to shifts in surgical practice to outpatient settings, technical issues or reducing the portfolio to focus on more frequently utilized measures. The retired measures include:

- IQI 23 Laparoscopic Cholecystectomy Rate (provider-level)
- IQI 24 Incidental Appendectomy in the Elderly Rate (provider-level)
- IQI 25 Right Heart Catheterization Rates (provider-level)
- IQI 26 Coronary Artery Bypass Graft (CABG) Rate (area-level)
- IQI 27 Percutaneous Coronary Intervention (PCI) Rate (area-level)
- IQI 28 Hysterectomy Rate (area-level)
- IQI 29 Laminectomy or Spinal Fusion Rate (area-level)
- PSI 21: Retained Surgical Item or Unretrieved Device Fragment Rate (area-level)
- PSI 22: Iatrogenic Pneumothorax Rate (area-level)
- PSI 23: Central Venous Catheter-Related Blood Stream Infection Rate (area-level)
- PSI 24: Postoperative Wound Dehiscence Rate (area-level)
- PSI 25: Accidental Puncture or Laceration Rate (area-level)
- PSI 26: Transfusion Reaction Rate (area-level)
- PSI 27: Postoperative Hemorrhage or Hematoma Rate (area-level)

The retirement of each measure is further described the following announcements:
- IQI Area Level Indicators:
  https://www.qualityindicators.ahrq.gov//News/IQI_Area_Level_Retirement_Notice.pdf
- IQI Provider Level Indicators:
  https://www.qualityindicators.ahrq.gov//News/IQI_Hospital_Level_Retirement_Notice.pdf
- PSI Area Level Indicators:
  https://www.qualityindicators.ahrq.gov//News/PSI_Retirement_Notice.pdf

6.0   Omitted Indicators PDI 06 and PDI 07 and Provider-Level Composite Measures

QI software v7.0 ICD-10-CM/PCS omits two PDI measures: PDI 06 and PDI 07. In FY2017 the ICD-10-CM/PCS system incorporated numerous changes to the cardiovascular procedure system. The complexity of these changes is still being considered for identifying and stratifying congenital heart procedures ICD-10-CM/PCS. ICD-10-CM/PCS versions of these measures are expected to be included in future versions of the QI software.

Provider-level composite measures in the IQI, PSI and PDI software require risk-adjustment and signal variances in order to calculate the observed to expected ratios used to calculate the

composite score. The composites will be reintroduced in a future version as risk adjustment is incorporated into the ICD-10-CM/PCS software. Area-level composites are calculated as rates and QI software v7.0 ICD-10-CM/PCS includes observed area level composite rates (PQI and PDI).

7.0   Enhancements and Fixes to Software Bugs Found in Version 6.0

The QI v7.0 ICD-10-CM software includes enhancements and issue resolution from the v6.0 ICD-10-CM software. To learn more about changes made to the QI software, access the Log of Changes document:

- PQI: https://www.qualityindicators.ahrq.gov/Downloads/Modules/PQI/V70/ChangeLog_PQI_v70.pdf
- IQI: https://www.qualityindicators.ahrq.gov/Downloads/Modules/IQI/V70/ChangeLog_IQI_v70.pdf
- PSI: https://www.qualityindicators.ahrq.gov/Downloads/Modules/PSI/V70/ChangeLog_PSI_v70.pdf
- PDI: https://www.qualityindicators.ahrq.gov/Downloads/Modules/PDI/V70/ChangeLog_PSI_v70.pdf

8.0 Software Feature Enhancements

The following design changes have been made to the WinQI 7.0 software. Please refer to the Software Instructions document for additional details on all the features.

- **Intelligent Installer**: It will notify user of the updated version in the future.
- **Enhanced Reporting capabilities**: Lets users save their reports as templates. Additionally, visualization is added to selected reports.
- **Enhanced Automation Script generator**: Let's users record and rlay to generate automation script
- **Advanced data load report**: Provides better insight into data errors to help users correct their input data
- **Advanced Case Detail Report**: Lets user analyze and troubleshoot easily at the case level for the discharges contained in their input file.
- **Enhanced Session logging**: Users can optionally enable Advanced Logging to help the support team troubleshoot their issues better.

9.0 Fixes to WinQI Software Bugs

There were no additional critical defects identified or fixes made in this release.

For questions, please contact QIs support at qisupport@ahrq.hhs.gov **or (301) 427-1949.**