

## Minor Release of WinQI Software v2020.0.1 AHRQ Quality Indicators

The Agency for Healthcare Research and Quality (AHRQ) announces a minor release of the AHRQ Quality Indicators (QI) software for WinQI version v2020.0.1 (10/28/2020). This is an update to the v2020 WinQI software that applies to Patient Safety Indicators (PSI) and Pediatric Quality Indicators (PDI).

The following items summarize the changes in v2020.0.1 from v2020.

- **Fixes Issues with Inconsistent Computation of Rates using Fiscal Year 2021 Data**

Users using FY2021 ICD-10 coded discharges in their input file got unexpected results around POA-based exclusions in PSI and PDI measures. This issue does not impact the FY2020 ICD-10 code discharges. Although WinQI v2020 is recommended for use with FY2020 discharges, users should be able to use their FY2021 ICD-10 coded data without any issues. This issue is now fixed in v2020.0.1 and POA-based exclusions are accurately accounted for in computing rates with FY2021 ICD-10 coded input data.

**Users Impacted:** This impacts users who may use FY 2021 coded discharges in their input data. Users using FY 2020 coded discharges in their input data are not impacted.

- **Fixes Slowness in Loading Patient Level Report**

Some users running Windows 8 and Windows 10 operating systems with older versions reported glitches in the Patient Level Report due to slowness in loading the report. v2020.0.1 resolves this issue and the Patient Level Report now works as expected on older versions of Windows 8 and Windows 10 operating systems.

**Users Impacted:** This impacts users with older build version for Windows Operating Systems - Windows 10 or Windows 8. Users with latest build version for Windows operating system were not impacted.

### **Previous Release Notes for v2020**

All of the relevant AHRQ QI™ software and documentation regarding v2020 can be found on the AHRQ QI Web site at <http://www.qualityindicators.ahrq.gov>.

## 1.0 Fiscal Year 2020 Coding Updates

The AHRQ QI software v2020 reflects coding changes based on fiscal year 2020 coding updates to the *International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM/PCS)*. These coding changes impact all software modules.

## 2.0 Specification Changes

The WinQI v2020 software implements specification and programming changes that were developed through a detailed deliberation and assessment process with AHRQ personnel and other AHRQ stakeholders.

The fiscal year coding updates 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/V2020/ChangeLog\\_PQI\\_v2020.pdf](https://www.qualityindicators.ahrq.gov/Downloads/Modules/PQI/V2020/ChangeLog_PQI_v2020.pdf)
- IQI: [https://www.qualityindicators.ahrq.gov/Downloads/Modules/IQI/V2020/ChangeLog\\_IQI\\_v2020.pdf](https://www.qualityindicators.ahrq.gov/Downloads/Modules/IQI/V2020/ChangeLog_IQI_v2020.pdf)
- PSI: [https://www.qualityindicators.ahrq.gov/Downloads/Modules/PSI/V2020/ChangeLog\\_PSI\\_v2020.pdf](https://www.qualityindicators.ahrq.gov/Downloads/Modules/PSI/V2020/ChangeLog_PSI_v2020.pdf)
- PDI: [https://www.qualityindicators.ahrq.gov/Downloads/Modules/PDI/V2020/ChangeLog\\_PDI\\_v2020.pdf](https://www.qualityindicators.ahrq.gov/Downloads/Modules/PDI/V2020/ChangeLog_PDI_v2020.pdf)

## 3.0 Risk Adjustments

The AHRQ WinQI v2020 software includes risk-adjustment, signal variance, reference population rates, and composite weights for PSI, IQI, PDI, and PQI modules. Note that PDI hospital indicators are now risk adjusted as well in v2020.

## 4.0 Population Files

The updated QI population file intercensal and postcensal estimates of county-level population by single-year age group, sex, race, and Hispanic origin covering the years 2000 through 2019 from the US Census Bureau. The population file uses Census estimates for single year age population to create AHRQ age bands. Please see the details around the population methodology at: [https://qualityindicators.ahrq.gov/Downloads/Software/SAS/V2020/AHRQ\\_QI\\_v2020\\_ICD10\\_Population\\_File.pdf](https://qualityindicators.ahrq.gov/Downloads/Software/SAS/V2020/AHRQ_QI_v2020_ICD10_Population_File.pdf)

## 4.0 Reporting Rates for Specific Measures

The AHRQ WinQI v2020 software includes risk-adjustment, signal variance, reference population rates, and composite weights for PSI, IQI, PDI, and PQI modules using the 2017 HCUP state inpatient databases. The non-risk adjusted numerators, denominators, and observed rates are also reported.

In the IQI module of AHRQ WinQI v2020, the All Patient Refined Diagnosis Related Groups (APR-DRGs) in the risk-adjustment models are based on the patient's admission diagnoses and using present on admission (POA) information.

## AHRQ Quality Indicators™ Release of AHRQ Quality Indicators Software for WinQI v2020

In the PDI module of the AHRQ WinQI v2020 Software, the Clinical Classifications Software Refined (CCSR) uses all-listed diagnoses and present on admission (POA) information on the patient's discharge record. The Clinical Classifications are used in the risk-adjustment models.

All PSI and PDI exclusions are now denominator exclusions. The small number of numerator-based exclusions in previous versions of the software are now denominator exclusions.

Users interested in calculating expected, risk-adjusted, smoothed, or composite values must have major diagnostic categories (MDCs) assigned for each discharge on their input file. MDCs are used in risk adjustment, and although the AHRQ WinQI v2020 software calculates MDC, it does not account for assignments for pre-MDC DRGs or multiple trauma cases (MDC 24). Different versions of the Medicare Severity-Diagnostic Related Group (MS-DRG) MS grouper produce slightly different results with respect to certain high resource intensity MS-DRGs. Specifically, MS-DRGs 001-017 and 981-989 are classified as “pre-MDC” MS-DRGs, which means that they are associated with such high length of stay and/or cost that they supersede the usual assignment of MS-DRGs within body system or MDC categories. For records assigned to these MS-DRGs, some versions of the grouper software retain the MDC that would be assigned based on the principal diagnosis and procedure codes, whereas other versions of the grouper software overwrite the MDC assignment with a blank, missing, or nonnumeric value such as “PRE.” For those users who need to construct MDC, please view the documentation and software available here:  
<https://downloads.cms.gov/files/ms-drg-v37-0-r0-mce.zip>.

In the AHRQ WinQI v2020, the user now has two options to calibrate smoothed rates and composite values using observed to expected ratio when generating the hospital and area level reports:

- Option 1: Check the “Reference population based O-E ratio” checkbox on the report configuration screen, which calibrates the system to use the 2017 HCUP reference population observed-to-expected (O-E) ratio. This is recommended and is therefore the default choice.
- Option 2: Uncheck the “Reference population based O-E ratio” checkbox on the report configuration screen, which calibrates the system to use the O-E ratio of the user’s input data. This option is provided to large health care systems or states who want to calibrate the predicted QI rates within the system. The caveat is that the interpretation of the rates may be different since the software would still use 2017 HCUP reference population rate as multiplier for risk adjustment rates.

For more details about the O-E ratio adjustment, please refer to the Empirical Methods document available here:

[https://www.qualityindicators.ahrq.gov/Downloads/Resources/Publications/2020/Empirical\\_Methods\\_2020.pdf](https://www.qualityindicators.ahrq.gov/Downloads/Resources/Publications/2020/Empirical_Methods_2020.pdf).

## 5.0 Retired Area-Level Indicators

No area-level indicators were retired in the AHRQ WinQI v2020 software.

## 6.0 Retired Provider-Level Indicators

No hospital-level indicators were retired in the AHRQ WinQI v2020 software.

## 7.0 Enhancements and Fixes to Software Bugs Found in v2019

The WinQI v2020 software includes enhancements and issue resolution from the v2019 ICD-10-CM software.

**Notifications for the Version Updates**– Additional visual cue added to make users aware of the version updates. The notification is added on the top right corner in AHRQ WinQI v2020. Clicking on the notification will let users install the new version.

**SQL Server Support** - AHRQ WinQI v2020 software now supports version 2019 or lower SQL Server Express edition.

**Windows 7 support** – Microsoft ended Windows 7 support on January 14, 2020. AHRQ WinQI v2020 no longer supports windows 7 operating system.

To learn more about changes made to the WinQI software, access the Log of Changes document:

- PQI: [https://www.qualityindicators.ahrq.gov/Downloads/Modules/PQI/V2020/ChangeLog\\_PQI\\_v2020.pdf](https://www.qualityindicators.ahrq.gov/Downloads/Modules/PQI/V2020/ChangeLog_PQI_v2020.pdf)
- IQI: [https://www.qualityindicators.ahrq.gov/Downloads/Modules/IQI/V2020/ChangeLog\\_IQI\\_v2020.pdf](https://www.qualityindicators.ahrq.gov/Downloads/Modules/IQI/V2020/ChangeLog_IQI_v2020.pdf)
- PSI: [https://www.qualityindicators.ahrq.gov/Downloads/Modules/PSI/V2020/ChangeLog\\_PSI\\_v2020.pdf](https://www.qualityindicators.ahrq.gov/Downloads/Modules/PSI/V2020/ChangeLog_PSI_v2020.pdf)
- PDI: [https://www.qualityindicators.ahrq.gov/Downloads/Modules/PDI/V2020/ChangeLog\\_PDI\\_v2020.pdf](https://www.qualityindicators.ahrq.gov/Downloads/Modules/PDI/V2020/ChangeLog_PDI_v2020.pdf)

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