

**Agency for Healthcare Research and Quality
Inpatient Quality Indicators (IQIs)**

Log of Revisions to IQI Documentation and Software

Updated September 4, 2003

The following table summarizes all of the revisions made to the IQI software, software documentation and the Guide to Inpatient Quality Indicators (Guide) document since the original release of the version 2.1 software and documents in June 2002. The table lists the revision number, the date the revision was made, the component(s) affected by the change and a short summary of the changes that were made. For convenience and ease of use, the changes are listed in reverse chronological order with the most recent changes appearing first in the table. This log of revisions is current as of the date noted above.

Revision number	Date	Component	Changes
2	September 4, 2003	Software (SAS and SPSS) and Guide	Implemented changes associated with ICD-9-CM coding updates from Fiscal Year (FY) 2002 (effective 10-1-2001) and FY 2003 (effective 10-1-2002). See separate documentation on ICD-9 coding updates for specific details.
2	September 4, 2003	Software (SAS and SPSS) and Guide	<ol style="list-style-type: none"> 1. Congestive Heart Failure (CHF) Mortality Rate: The denominator exclusion of patients undergoing a cardiac procedure was removed from CHF Mortality Rate. This exclusion was unnecessary due to the use of APR-DRGs for risk adjustment and to provide consistency across indicators (e.g. AMI patients with these procedures are not excluded). 2. Bilateral Heart Catheterization Rate: Codes 404.xx for hypertensive heart disease were added to the denominator exclusion. 3. Pediatric Heart Surgery Volume and Mortality Rate: The code 36.3 was added to numerator including definition of pediatric heart surgery (#2P) to reflect coding before October 1, 1998. 4. Mortality after Hip Replacement: The code 716.69 was deleted from the including definition of osteoarthritis (the fifth digit "9" indicating "multiple sites" is not valid for 716.6x).
2	September 4, 2003	Software (SAS and SPSS)	<ol style="list-style-type: none"> 1. All parameter text files were renamed to refer specifically to the IQI module (e.g., use of IQ in file name). These changes are also reflected in the software documentation. 2. All parameter files were rerun using the updated software and Year 2000 HCUP SID data. 3. Population files for 2000, and 2001 were re-estimated using the latest available census files

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2	September 4, 2003	Software - SPSS	The treatment of missing data by SPSS was changed to mirror the treatment of missing data by SAS, specifically the software requires confirmation for the assignment of a poor outcome or negative event. For instance, in order to be assigned as a death, each case must actually be coded as a death. Missing data is considered neutral. Missing data for some elements results in the exclusion of that case from the denominator. For a few other elements, the case is retained. Table 5 of the Software Documentation lists the impact of missing data for each data element.