

**Agency for Healthcare Research and Quality
Patient Safety Indicators (PSI)**

ICD-9-CM and DRG Coding Updates to Version 3.0

February 20, 2006

The following changes were implemented in version 3.0 of the Patient Safety Indicator (PSI) software code (both SAS and SPSS) and reflect changes to indicator definitions based on updates to ICD-9-CM and DRG codes for Fiscal Year 2006 (effective 10-1-2005). All changes noted below have been incorporated into the software syntax, software documentation, the *Guide to Patient Safety Indicators*, and the *Patient Safety Indicators Technical Specifications*. With this software update, the PSI software definitions now incorporate ICD-9-CM codes valid from October 1, 1994 through September 30, 2006.

Indicator Name (#)	Component	Change
Low-mortality DRGs (PSI #2)	Denominator (Inclusion)	Revised list of low-mortality DRGs based on DRG coding updates.
Failure to Rescue (PSI #4), <u>FTR 6 - GI Hemorrhage/Acute Ulcer</u>	Denominator (Exclusion, Alcoholism)	Added new code 291.82 (Alcohol induced sleep disorders) to exclusion criteria.
Iatrogenic Pneumothorax (PSI #6 and PSI #22)	Denominator (Exclusion, Cardiac Surgery DRGs)	Added new DRGs 547 - 550 to exclusion criteria.
Postoperative Hip Fracture (PSI #8)	Denominator (Exclusion, Delirium and Other Psychoses)	Added code 292.85 (Drug induced sleep disorders) to exclusion criteria.
Multiple	Denominator (Inclusion)	Added new code 559 to list of Medical DRGs used as denominator inclusion for PSIs #3, 5-7, 15-16, 21-23, and 25-26.
Multiple	Denominator (Inclusion)	Added new codes 544 - 558 to list of Surgical DRGs used as denominator inclusion for PSIs #1, 3, 5-13, 15-16, 21-23, and 25-27.
Multiple	Denominator (Exclusion, Immuno-compromised state)	Added new procedure code 00.18 (Infusion of immunosuppressive antibody therapy during induction phase of solid organ transplant) to criteria for immunocompromised state, used as denominator exclusion for PSIs #2, 4, 7, 13-14, and 23-24.
Multiple	Denominator (Inclusion)	Revised list of Operating Room Procedure Codes used as denominator inclusion for PSIs #1, 3, and 8-12.
Multiple		AHRQ Comorbidity Software has been updated by AHRQ*.

* Before using the SAS version of the PSI software, users who intend to calculate risk-adjusted rates will need to download and run the standalone program to create the comorbidity variables in their data file, available at <http://hcup-us.ahrq.gov/toolssoftware/comorbidity/comorbidity.jsp>. The SPSS software and the AHRQ QI Windows application include the updated comorbidity program.