

Death Rate in Low-Mortality Diagnosis Related Groups (DRGs)

Patient Safety Indicators #2 Technical Specifications

Provider-Level Indicator

AHRQ Quality Indicators, Version 4.3, August 2011

(Revised September 2011)

Version 4.3a is a maintenance release of Version 4.3. The differences between the two versions are:

- Version 4.3a includes Version 29 of the Limited License edition of the 3M™ APR-DRG Grouper. This grouper corrects an issue found in Version 28 of the Limited License edition of the 3M™ APR-DRG Grouper. The grouper is only used with the Inpatient Quality Indicator (IQI) mortality measures. Version 4.3 includes Version 28 of the Limited License edition of the 3M™ APR-DRG Grouper, which was incorrectly assigning a Risk of Mortality (ROM) subclass for cases dated on or after 10/1/10.
- Version 4.3a allows users to calculate area-level indicators for years 2010 and 2011, correcting an issue previously identified in Version 4.3.

All other aspects of the software, including measure specifications, remain the same. Thus this document (related to Version 4.3) remains unchanged.

Numerator

Discharges with disposition of “deceased” (DISP=20) among cases meeting the inclusion and exclusion rules for the denominator.

Denominator

Discharges, 18 years and older **or** MDC 14 (pregnancy, childbirth, and puerperium), in DRGs or MS-DRGs with less than 0.5% mortality rate. If a DRG or MS-DRG is divided into “without/with complications,” both DRGs or MS-DRGs must have mortality rates below 0.5% to qualify for inclusion.

Low-mortality DRG codes:

037	ORBITAL PROCEDURES	143	CHEST PAIN
045	NEUROLOGICAL EYE DISORDERS	228	MAJOR THUMB OR JOINT PROC, OR OTH HAND OR WRIST PROC W CC
050	SIALOADENECTOMY		
051	SALIVARY GLAND PROCEDURES EXCEPT SIALOADENECTOMY	229	HAND OR WRIST PROC, EXCEPT MAJOR JOINT PROC, W/O CC
065	DYSEQUILIBRIUM	237	SPRAINS, STRAINS, & DISLOCATIONS OF HIP, PELVIS & THIGH
096	BRONCHITIS & ASTHMA AGE >17 W CC		
097	BRONCHITIS & ASTHMA AGE >17 W/O CC	257	TOTAL MASTECTOMY FOR MALIGNANCY W CC
140	ANGINA PECTORIS	258	TOTAL MASTECTOMY FOR MALIGNANCY W/O CC
141	SYNCOPE & COLLAPSE W CC		
142	SYNCOPE & COLLAPSE W/O CC		

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323	URINARY STONES W CC, &/OR ESW LITHOTRIPSY	383	OTHER ANTEPARTUM DIAGNOSES W MEDICAL COMPLICATIONS
328	URETHRAL STRICTURE AGE >17 W CC	384	OTHER ANTEPARTUM DIAGNOSES W/O MEDICAL COMPLICATIONS
329	URETHRAL STRICTURE AGE >17 W/O CC	389	FULL TERM NEONATE W MAJOR PROBLEMS
334	MAJOR MALE PELVIC PROCEDURES W CC	390	NEONATE W OTHER SIGNIFICANT PROBLEMS
335	MAJOR MALE PELVIC PROCEDURES W/O CC	425	ACUTE ADJUSTMENT REACTION & PSYCHOSOCIAL DYSFUNCTION
356	FEMALE REPRODUCTIVE SYSTEM RECONSTRUCTIVE PROCEDURES	426	DEPRESSIVE NEUROSES
358	UTERINE & ADNEXA PROC FOR NON-MALIGNANCY W CC	427	NEUROSES EXCEPT DEPRESSIVE DISORDERS OF PERSONALITY & IMPULSE CONTROL
359	UTERINE & ADNEXA PROC FOR NON-MALIGNANCY W/O CC	428	PSYCHOSES
369	MENSTRUAL & OTHER FEMALE REPRODUCTIVE SYSTEM DISORDERS	430	CHILDHOOD MENTAL DISORDERS
370	CESAREAN SECTION W CC	431	OTHER MENTAL DISORDER DIAGNOSES
371	CESAREAN SECTION W/O CC	432	ALCOHOL/DRUG ABUSE OR DEPENDENCE, LEFT AMA
372	VAGINAL DELIVERY W COMPLICATING DIAGNOSES	433	HAND PROCEDURES FOR INJURIES
373	VAGINAL DELIVERY W/O COMPLICATING DIAGNOSES	441	MAJOR JOINT & LIMB REATTACHMENT PROCEDURES OF UPPER EXTREMITY
374	VAGINAL DELIVERY W STERILIZATION &/OR D&C	491	BACK & NECK PROCEDURES EXCEPT SPINAL FUSION W CC
375	VAGINAL DELIVERY W O.R. PROC EXCEPT STERIL &/OR D&C	499	BACK & NECK PROCEDURES EXCEPT SPINAL FUSION W/O CC
376	POSTPARTUM & POST ABORTION DIAGNOSES W/O O.R. PROCEDURE	500	KNEE PROCEDURES W/O PDX OF INFECTION
377	POSTPARTUM & POST ABORTION DIAGNOSES W O.R. PROCEDURE	503	ALCOHOL/DRUG ABUSE OR DEPENDENCE W CC
378	ECTOPIC PREGNANCY	521	ALC/DRUG ABUSE OR DEPEND W REHABILITATION THERAPY W/O CC
379	THREATENED ABORTION	522	TRANSIENT ISCHEMIA
380	ABORTION W/O D&C	524	
381	ABORTION W D&C, ASPIRATION CURETTAGE OR HYSTEROTOMY		
382	FALSE LABOR		
Low-mortality MS-DRG codes:			
069	TRANSIENT ISCHEMIA	490	BACK & NECK PROC EXC SPINAL FUSION W CC/MCC OR DISC DEVICE/NEUROSTIM
113	ORBITAL PROCEDURES W CC/MCC	491	BACK & NECK PROC EXC SPINAL FUSION W/O CC/MCC
114	ORBITAL PROCEDURES W/O CC/MCC	506	MAJOR THUMB OR JOINT PROCEDURES
123	NEUROLOGICAL EYE DISORDERS	513	HAND OR WRIST PROC, EXCEPT MAJOR THUMB OR JOINT PROC W CC/MCC
139	SALIVARY GLAND PROCEDURES	514	HAND OR WRIST PROC, EXCEPT MAJOR THUMB OR JOINT PROC W/O CC/MCC
149	DYSEQUILIBRIUM	537	SPRAINS, STRAINS, & DISLOCATIONS OF HIP, PELVIS & THIGH W CC/MCC
202	BRONCHITIS & ASTHMA W CC/MCC	538	SPRAINS, STRAINS, & DISLOCATIONS OF HIP, PELVIS & THIGH W/O CC/MCC
203	BRONCHITIS & ASTHMA W/O CC/MCC	582	MASTECTOMY FOR MALIGNANCY W CC/MCC
311	ANGINA PECTORIS	583	MASTECTOMY FOR MALIGNANCY W/O CC/MCC
312	SYNCOPE & COLLAPSE		
313	CHEST PAIN		
483	MAJOR JOINT & LIMB REATTACHMENT PROC OF UPPER EXTREMITY W CC/MCC		
484	MAJOR JOINT & LIMB REATTACHMENT PROC OF UPPER EXTREMITY W/O CC/MCC		
488	KNEE PROCEDURES W/O PDX OF INFECTION W CC/MCC		
489	KNEE PROCEDURES W/O PDX OF INFECTION W/O CC/MCC		

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691	URINARY STONES W ESW LITHOTRIPSY W CC/MCC	775	VAGINAL DELIVERY W/O COMPLICATING DIAGNOSES
692	URINARY STONES W ESW LITHOTRIPSY W/O CC/MCC	776	POSTPARTUM & POST ABORTION DIAGNOSES W/O O.R. PROCEDURE
697	URETHRAL STRICTURE	777	ECTOPIC PREGNANCY
707	MAJOR MALE PELVIC PROCEDURES W CC/MCC	778	THREATENED ABORTION
708	MAJOR MALE PELVIC PROCEDURES W/O CC/MCC	779	ABORTION W/O D&C
742	UTERINE & ADNEXA PROC FOR NON- MALIGNANCY W CC/MCC	780	FALSE LABOR
743	UTERINE & ADNEXA PROC FOR NON- MALIGNANCY W/O CC/MCC	781	OTHER ANTEPARTUM DIAGNOSES W MEDICAL COMPLICATIONS
748	FEMALE REPRODUCTIVE SYSTEM RECONSTRUCTIVE PROCEDURES	782	OTHER ANTEPARTUM DIAGNOSES W/O MEDICAL COMPLICATIONS
760	MENSTRUAL & OTHER FEMALE REPRODUCTIVE SYSTEM DISORDERS W CC/MCC	793	FULL TERM NEONATE W MAJOR PROBLEMS
761	MENSTRUAL & OTHER FEMALE REPRODUCTIVE SYSTEM DISORDERS W/O CC/MCC	794	NEONATE W OTHER SIGNIFICANT PROBLEMS
765	CESAREAN SECTION W CC/MCC	880	ACUTE ADJUSTMENT REACTION & PSYCHOSOCIAL DYSFUNCTION
766	CESAREAN SECTION W/O CC/MCC	881	DEPRESSIVE NEUROSES
767	VAGINAL DELIVERY W STERILIZATION &/OR D&C	882	NEUROSES EXCEPT DEPRESSIVE
768	VAGINAL DELIVERY W O.R. PROC EXCEPT STERIL &/OR D&C	883	DISORDERS OF PERSONALITY & IMPULSE CONTROL
769	POSTPARTUM & POST ABORTION DIAGNOSES W O.R. PROCEDURE	885	PSYCHOSES
770	ABORTION W D&C, ASPIRATION CURETTAGE OR HYSTEROTOMY	886	BEHAVIORAL & DEVELOPMENTAL DISORDERS
774	VAGINAL DELIVERY W COMPLICATING DIAGNOSES	887	OTHER MENTAL DISORDER DIAGNOSES
		894	ALCOHOL/DRUG ABUSE OR DEPENDENCE, LEFT AMA
		895	ALCOHOL/DRUG ABUSE OR DEPENDENCE W REHABILITATION THERAPY
		906	HAND PROCEDURES FOR INJURIES

Exclude cases:

- with any code for trauma, cancer, or immunocompromised state
- transfer to an acute care facility (DISP=2)
- with missing discharge disposition (DISP=missing), gender (SEX=missing), age (AGE=missing), quarter (DQTR=missing), year (YEAR=missing) or principal diagnosis (DX1=missing)

See *Patient Safety Indicators Appendices*:

- Appendix G – Trauma Diagnosis Codes
- Appendix H – Cancer Diagnosis Codes
- Appendix I – Immunocompromised State Diagnosis and Procedure Codes