

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

## Patient Safety Indicators 02 (PSI 02) AHRQ Quality Indicators™, Version 4.5a, July 2014 Provider-Level Indicator Type of Score: Rate

### Description

In-hospital deaths per 1,000 discharges for low mortality (< 0.5%) Diagnosis Related Groups (DRGs) among patients ages 18 years and older or obstetric patients. Excludes cases with trauma, cases with cancer, cases with an immunocompromised state, and transfers to an acute care facility.

*[NOTE: The software provides the rate per hospital discharge. However, common practice reports the measure as per 1,000 discharges. The user must multiply the rate obtained from the software by 1,000 to report in-hospital deaths per 1,000 hospital discharges.]*

### Numerator

Number of deaths (DISP=20) among cases meeting the inclusion and exclusion rules for the denominator.

### Denominator

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

Exclude cases:

- with any-listed ICD-9-CM diagnosis codes for trauma
- with any-listed ICD-9-CM diagnosis codes for cancer
- with any-listed ICD-9-CM diagnosis codes or any-listed ICD-9-CM procedure codes for 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

**Low-mortality (less than 0.5%) DRG codes:**

037	ORBITAL PROCEDURES	375	VAGINAL DELIVERY W O.R. PROC EXCEPT STERIL &/OR D&C
045	NEUROLOGICAL EYE DISORDERS		
050	SIALOADENECTOMY	376	POSTPARTUM & POST ABORTION DIAGNOSES W/O O.R. PROCEDURE
051	SALIVARY GLAND PROCEDURES EXCEPT SIALOADENECTOMY	377	POSTPARTUM & POST ABORTION DIAGNOSES W O.R. PROCEDURE
065	DYSEQUILIBRIUM	378	ECTOPIC PREGNANCY
096	BRONCHITIS & ASTHMA AGE >17 W CC	379	THREATENED ABORTION
097	BRONCHITIS & ASTHMA AGE >17 W/O CC	380	ABORTION W/O D&C
140	ANGINA PECTORIS	381	ABORTION W D&C, ASPIRATION CURETTAGE OR HYSTEROTOMY
141	SYNCOPE & COLLAPSE W CC		
142	SYNCOPE & COLLAPSE W/O CC	382	FALSE LABOR
143	CHEST PAIN	383	OTHER ANTEPARTUM DIAGNOSES W MEDICAL COMPLICATIONS
228	MAJOR THUMB OR JOINT PROC,OR OTH HAND OR WRIST PROC W CC	384	OTHER ANTEPARTUM DIAGNOSES W/O MEDICAL COMPLICATIONS
229	HAND OR WRIST PROC, EXCEPT MAJOR JOINT PROC, W/O CC	389	FULL TERM NEONATE W MAJOR PROBLEMS
237	SPRAINS, STRAINS, & DISLOCATIONS OF HIP, PELVIS & THIGH	390	NEONATE W OTHER SIGNIFICANT PROBLEMS
257	TOTAL MASTECTOMY FOR MALIGNANCY W CC	425	ACUTE ADJUSTMENT REACTION & PSYCHOSOCIAL DYSFUNCTION
258	TOTAL MASTECTOMY FOR MALIGNANCY W/O CC	426	DEPRESSIVE NEUROSES
323	URINARY STONES W CC, &/OR ESW LITHOTRIPSY	427	NEUROSES EXCEPT DEPRESSIVE DISORDERS OF PERSONALITY & IMPULSE CONTROL
328	URETHRAL STRICTURE AGE >17 W CC	428	PSYCHOSES
329	URETHRAL STRICTURE AGE >17 W/O CC	430	PSYCHOSES
334	MAJOR MALE PELVIC PROCEDURES W CC	431	CHILDHOOD MENTAL DISORDERS
335	MAJOR MALE PELVIC PROCEDURES W/O CC	432	OTHER MENTAL DISORDER DIAGNOSES
356	FEMALE REPRODUCTIVE SYSTEM RECONSTRUCTIVE PROCEDURES	433	ALCOHOL/DRUG ABUSE OR DEPENDENCE, LEFT AMA
358	UTERINE & ADNEXA PROC FOR NON-MALIGNANCY W CC	441	HAND PROCEDURES FOR INJURIES
359	UTERINE & ADNEXA PROC FOR NON-MALIGNANCY W/O CC	491	MAJOR JOINT & LIMB REATTACHMENT PROCEDURES OF UPPER EXTREMITY
369	MENSTRUAL & OTHER FEMALE REPRODUCTIVE SYSTEM DISORDERS	499	BACK & NECK PROCEDURES EXCEPT SPINAL FUSION W CC
370	CESAREAN SECTION W CC	500	BACK & NECK PROCEDURES EXCEPT SPINAL FUSION W/O CC
371	CESAREAN SECTION W/O CC	503	KNEE PROCEDURES W/O PDX OF INFECTION
372	VAGINAL DELIVERY W COMPLICATING DIAGNOSES	521	ALCOHOL/DRUG ABUSE OR DEPENDENCE W CC
373	VAGINAL DELIVERY W/O COMPLICATING DIAGNOSES	522	ALC/DRUG ABUSE OR DEPEND W REHABILITATION THERAPY W/O CC
374	VAGINAL DELIVERY W STERILIZATION &/OR D&C	524	TRANSIENT ISCHEMIA

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**Low-mortality (less than 0.5%) MS-DRG codes:**

069	TRANSIENT ISCHEMIA	748	FEMALE REPRODUCTIVE SYSTEM RECONSTRUCTIVE PROCEDURES
113	ORBITAL PROCEDURES W CC/MCC		
114	ORBITAL PROCEDURES W/O CC/MCC	760	MENSTRUAL & OTHER FEMALE REPRODUCTIVE SYSTEM DISORDERS W CC/MCC
123	NEUROLOGICAL EYE DISORDERS		
139	SALIVARY GLAND PROCEDURES		
149	DYSEQUILIBRIUM	761	MENSTRUAL & OTHER FEMALE REPRODUCTIVE SYSTEM DISORDERS W/O CC/MCC
202	BRONCHITIS & ASTHMA W CC/MCC		
203	BRONCHITIS & ASTHMA W/O CC/MCC		
311	ANGINA PECTORIS	765	CESAREAN SECTION W CC/MCC
312	SYNCOPE & COLLAPSE	766	CESAREAN SECTION W/O CC/MCC
313	CHEST PAIN	767	VAGINAL DELIVERY W STERILIZATION &/OR D&C
483	MAJOR JOINT & LIMB REATTACHMENT PROC OF UPPER EXTREMITY W CC/MCC	768	VAGINAL DELIVERY W O.R. PROC EXCEPT STERIL &/OR D&C
484	MAJOR JOINT & LIMB REATTACHMENT PROC OF UPPER EXTREMITY W/O CC/MCC	769	POSTPARTUM & POST ABORTION DIAGNOSES W O.R. PROCEDURE
488	KNEE PROCEDURES W/O PDX OF INFECTION W CC/MCC	770	ABORTION W D&C, ASPIRATION CURETTAGE OR HYSTEROTOMY
489	KNEE PROCEDURES W/O PDX OF INFECTION W/O CC/MCC	774	VAGINAL DELIVERY W COMPLICATING DIAGNOSES
490	BACK & NECK PROC EXC SPINAL FUSION W CC/MCC OR DISC DEVICE/NEUROSTIM	775	VAGINAL DELIVERY W/O COMPLICATING DIAGNOSES
491	BACK & NECK PROC EXC SPINAL FUSION W/O CC/MCC	776	POSTPARTUM & POST ABORTION DIAGNOSES W/O O.R. PROCEDURE
506	MAJOR THUMB OR JOINT PROCEDURES	777	ECTOPIC PREGNANCY
513	HAND OR WRIST PROC, EXCEPT MAJOR THUMB OR JOINT PROC W CC/MCC	778	THREATENED ABORTION
514	HAND OR WRIST PROC, EXCEPT MAJOR THUMB OR JOINT PROC W/O CC/MCC	779	ABORTION W/O D&C
537	SPRAINS, STRAINS, & DISLOCATIONS OF HIP, PELVIS & THIGH W CC/MCC	780	FALSE LABOR
538	SPRAINS, STRAINS, & DISLOCATIONS OF HIP, PELVIS & THIGH W/O CC/MCC	781	OTHER ANTEPARTUM DIAGNOSES W MEDICAL COMPLICATIONS
582	MASTECTOMY FOR MALIGNANCY W CC/MCC	782	OTHER ANTEPARTUM DIAGNOSES W/O MEDICAL COMPLICATIONS
583	MASTECTOMY FOR MALIGNANCY W/O CC/MCC	793	FULL TERM NEONATE W MAJOR PROBLEMS
691	URINARY STONES W ESW	794	NEONATE W OTHER SIGNIFICANT PROBLEMS
692	LITHOTRIPSY W CC/MCC	880	ACUTE ADJUSTMENT REACTION & PSYCHOSOCIAL DYSFUNCTION
692	URINARY STONES W ESW	881	DEPRESSIVE NEUROSES
697	LITHOTRIPSY W/O CC/MCC	882	NEUROSES EXCEPT DEPRESSIVE
697	URETHRAL STRICTURE	883	DISORDERS OF PERSONALITY & IMPULSE CONTROL
707	MAJOR MALE PELVIC PROCEDURES W CC/MCC	885	PSYCHOSES
708	MAJOR MALE PELVIC PROCEDURES W/O CC/MCC	886	BEHAVIORAL & DEVELOPMENTAL DISORDERS
742	UTERINE & ADNEXA PROC FOR NON-MALIGNANCY W CC/MCC	887	OTHER MENTAL DISORDER DIAGNOSES
743	UTERINE & ADNEXA PROC FOR NON-MALIGNANCY W/O CC/MCC	894	ALCOHOL/DRUG ABUSE OR DEPENDENCE, LEFT AMA
		895	ALCOHOL/DRUG ABUSE OR DEPENDENCE W REHABILITATION THERAPY
		906	HAND PROCEDURES FOR INJURIES