

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

Patient Safety Indicators #2 (PSI #2) AHRQ Quality Indicators™, Version 4.5, May 2013 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 DRG or MS-DRG codes 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)

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

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

069	TRANSIENT ISCHEMIA	123	NEUROLOGICAL EYE DISORDERS
113	ORBITAL PROCEDURES W CC/MCC	139	SALIVARY GLAND PROCEDURES
114	ORBITAL PROCEDURES W/O CC/MCC	149	DYSEQUILIBRIUM

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