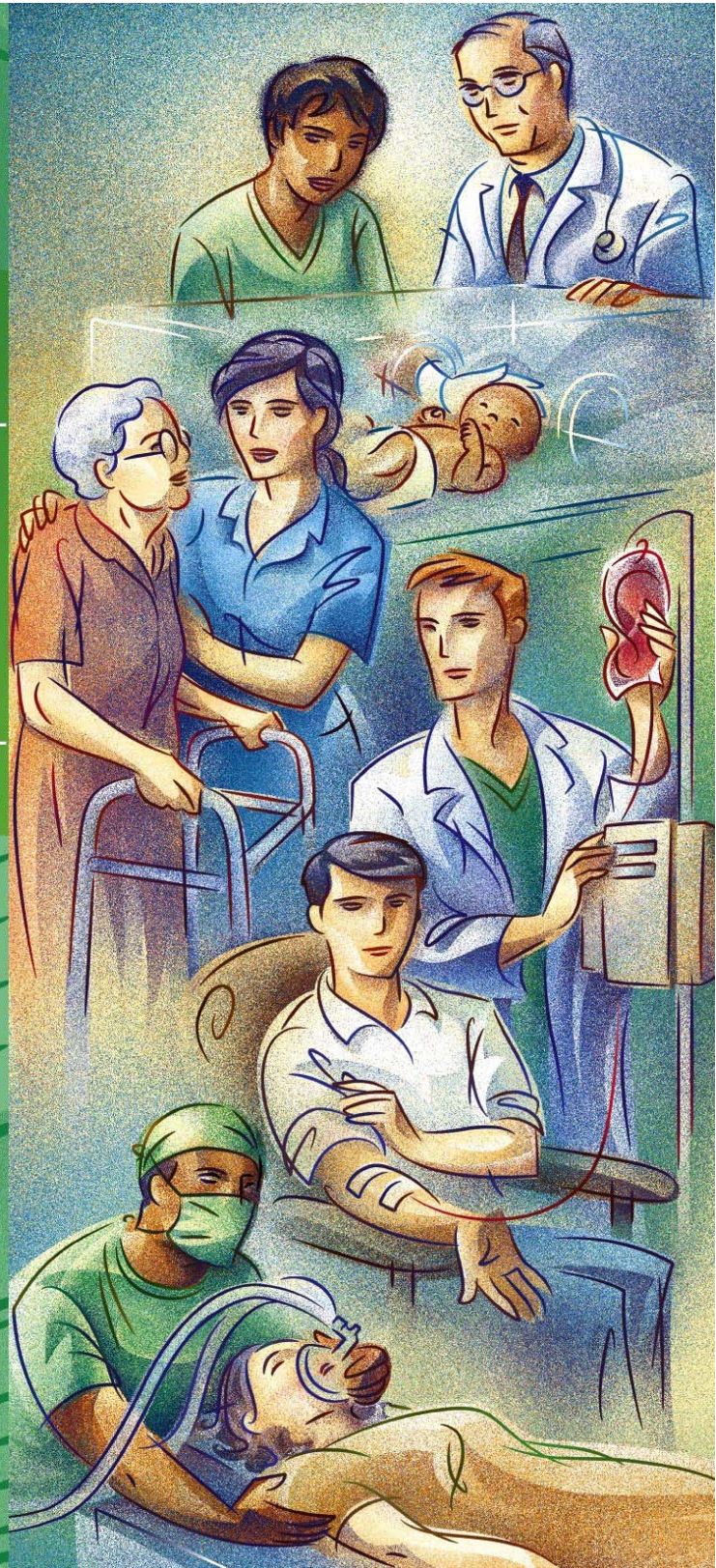




AHRQ QUALITY INDICATORS

# Patient Safety Indicators

Technical Specifications



AHRQ Quality Indicators

Patient Safety Indicators:  
Technical Specifications

Department of Health and Human Services  
Agency for Healthcare Research and Quality  
<http://www.qualityindicators.ahrq.gov>

March 2003  
Version 3.2 (March 10, 2008)



## Table of Contents

About the Patient Safety Indicators.....	1
Patient Safety Indicators – Detailed Definitions.....	3
Complications of Anesthesia (PSI 1).....	3
Death in Low-Mortality DRGs (PSI 2).....	5
Decubitus Ulcer (PSI 3).....	7
Death among Surgical Inpatients with Serious Treatable Complications (PSI 4).....	9
Foreign Body Left during Procedure, Secondary Diagnosis Field (PSI 5 and 21).....	16
Iatrogenic Pneumothorax, Secondary Diagnosis Field (PSI 6 and 22).....	16
Selected Infections Due to Medical Care, Secondary Diagnosis Field (PSI 7 and 23).....	22
Postoperative Hip Fracture (PSI 8).....	23
Postoperative Hemorrhage or Hematoma (PSI 9 and 27).....	27
Postoperative Physiologic and Metabolic Derangement (PSI 10).....	28
Postoperative Respiratory Failure (PSI 11).....	30
Postoperative Pulmonary Embolism or Deep Vein Thrombosis (PSI 12).....	32
Postoperative Sepsis (PSI 13).....	32
Postoperative Wound Dehiscence (PSI 14 and 24).....	33
Accidental Puncture or Laceration, Secondary Diagnosis Field (PSI 15 and 25).....	40
Transfusion Reaction, Secondary Diagnosis Field (PSI 16 and 26).....	41
Birth Trauma—Injury to Neonate (PSI 17).....	43
Obstetric Trauma—Vaginal Delivery with Instrument (PSI 18).....	44
Obstetric Trauma—Vaginal Delivery without Instrument (PSI 19).....	45
Obstetric Trauma—Cesarean Delivery (PSI 20).....	46
Appendix A: Operating Room Procedure Codes.....	A-1
Appendix B: Surgical Discharge DRGs.....	B-1
Appendix C: ICD-9-CM Trauma Diagnosis Codes.....	C-1
Appendix D: ICD-9-CM Codes for Immunocompromised States.....	D-1
Appendix E: Cancer Codes.....	E-1
Appendix F: Medical Discharge DRGs.....	F-1
Appendix G: Hemorrhage Diagnosis Codes.....	G-1
Appendix H: Shock Diagnosis Codes.....	H-1
Appendix I: ICD-9-CM Gastrointestinal (GI) Hemorrhage Diagnosis Codes.....	I-1
Appendix J: Trauma DRGs.....	J-1
Appendix K: Pulmonary Embolism/Deep Vein Thrombosis Diagnosis Codes.....	K-1
Appendix L: Self-Inflicted Injury Diagnosis Codes.....	L-1
Appendix M: Acute Myocardial Infarction (AMI) Diagnosis Codes.....	M-1
Appendix N: Cardiac Arrhythmia Diagnosis Codes.....	N-1
Appendix O: Sepsis Diagnosis Codes.....	O-1
Appendix P: Infection Diagnosis Codes and DRGs.....	P-1
Appendix Q: Cancer DRGs.....	Q-1
Appendix R: Links.....	R-1

## About the Patient Safety Indicators

The PSIs are a set of measures that can be used with hospital inpatient discharge data to provide a perspective on patient safety. Specifically, PSIs screen for problems that patients experience as a result of exposure to the healthcare system and that are likely amenable to prevention by changes at the system or provider level. These are referred to as complications or adverse events. PSIs are defined on two levels: the provider level and the area level.

This document provides all ICD-9-CM and DRG codes included in or excluded from the numerator and denominator for each indicator in the Patient Safety Indicators. Version 3.2 of the AHRQ PSIs reflects changes in indicators associated with ICD-9-CM and DRG coding updates for FY 2008 (effective 10-1-2007).

The reference population database used by the software was updated to HCUP's Year 2004 State Inpatient Data (SID) for 36 states. The 2002-2004 SID is the basis for DRGs with a less than 0.05% mortality rate that are used in PSI #2, Death in Low-mortality DRGs.

Information about the development of the indicators and their definitions is contained in the companion document *Guide to the Patient Safety Indicators*. See Appendix R for links to these and other documents as well as Web sites that may be of interest to PSI users.

Software to calculate the PSI rates is available for download from the AHRQ Quality Indicators Web site in two formats:

- A set of SAS® programs and accompanying documentation
- QI Windows Application

The SAS version requires the SAS® statistical program distributed by the SAS Institute, Inc. The company may be contacted directly regarding the licensing of its products: <http://www.sas.com>

The Windows version calculates rates for all of the AHRQ Quality Indicators modules. Users do not need to purchase any additional software to run this program.

Both versions of the software:

- Assign and calculate PSIs from hospital discharge abstracts or UB (uniform billing) claims data.
- Print PSI results in a format that can be imported into word processing documents, spreadsheets, or graphics software, at the user's option.
- Create risk-adjusted rates that adjust for case mix differences and expected rates that adjust for performance differences.
- Create smoothed (i.e., reliability-adjusted) rates that reduce fluctuations over time due to random variation.

The FY2008 release includes enhancements to the functionality of the risk-adjustment module. Users will be able to save the discharge level file of predicted values based on the risk-adjustment model. As a result, users will be able to compute observed-to-expected ratios for any combination of discharges. In addition, the module will compute risk-adjusted rates for the pre-defined set of stratification variables (e.g., age, gender, payer, race), and will provide an option for using weighted data (i.e., discharge weights like those used in the NIS).

Effective March 1, 2007 the UB-04 data specification manual will include a Present on Admission indicator (<http://www.nubc.org/public/whatsnew/POA.pdf>). The FY2008 release of the AHRQ QI includes an option to incorporate the present on admission indicator into the specifications of the Patient Safety Indicators (PSI) and the Pediatric Quality Indicators (PedQI). In general, cases where the outcome of interest is present on admission will be excluded from the denominator, as these cases are no longer at risk of having the outcome of interest occur during the hospitalization. Users can compute risk adjustment with or without POA information.

Alternative risk-adjustment covariates and population rates were developed using 2002-2004 SID data from California and New York. As additional states collect the POA indicator and provide the data to the HCUP program, the reference population will be updated in future AHRQ QI releases to include these states. Users will still be able to compute observed and risk-adjusted PSI and PedQI rates without the POA flag.

Population figures through 2008 for use with AHRQ Quality Indicator software were derived from U. S. Census Bureau data using estimates for 2000 through 2005 and modified projections for 2007 and 2008. The 2008 file uses the same inter-censal estimates for the years 1995 through 1999 as the 2007 file, so counts for these years did not change.

The list of major operating room ICD-9-CM procedure codes in Appendix A is based on the AHRQ Procedure Classes that assign all ICD-9-CM procedure codes to one of four categories:

1. Minor Diagnostic - Non-operating room procedures that are diagnostic (e.g., 87.03 CT scan of head)
2. Minor Therapeutic - Non-operating room procedures that are therapeutic (e.g., 02.41 Irrigate ventricular shunt)
3. Major Diagnostic - All procedures considered valid operating room procedures by the Diagnosis Related Group (DRG) grouper and that are performed for diagnostic reasons (e.g., 01.14 Open brain biopsy)
4. Major Therapeutic - All procedures considered valid operating room procedures by the Diagnosis Related Group (DRG) grouper and that are performed for therapeutic reasons (e.g., 39.24 Aorta-renal bypass).

For the AHRQ PSIs, major operating room procedures are ICD-9-CM procedure codes in categories #3 (major diagnostic) and #4 (major therapeutic).

## Patient Safety Indicators – Detailed Definitions

For ICD-9-CM codes introduced after October 1995, the date of introduction is indicated after the code label, e.g., OCT 04.

### Complications of Anesthesia (PSI 1)

#### Numerator:

Discharges with ICD-9-CM diagnosis codes for anesthesia complications in any secondary diagnosis field among cases meeting the inclusion and exclusion rules for the denominator.

*ICD-9-CM Anesthesia Complications diagnosis codes:*

Adverse effects in therapeutic use, other central nervous system depressants and anesthetics:

E8763 ENDOTRACHEAL TUBE WRONGLY PLACE DURING ANESTHETIC PROCEDURE  
E9381 HALOTHANE  
E9382 OTHER GASEOUS ANESTHETICS  
E9383 INTRAVENOUS ANESTHETICS  
E9384 OTHER AND UNSPECIFIED GENERAL ANESTHETICS  
E9385 SURFACE AND INFILTRATION ANESTHETICS  
E9386 PERIPHERAL NERVE AND PLEXUS BLOCKING ANESTHETICS  
E9387 SPINAL ANESTHETICS  
E9389 OTHER AND UNSPECIFIED LOCAL ANESTHETICS

Poisoning by other central nervous system depressants and anesthetics:

9681 HALOTHANE  
9682 OTHER GASEOUS ANESTHETICS  
9683 INTRAVENOUS ANESTHETICS  
9684 OTHER AND UNSPECIFIED GENERAL ANESTHETICS  
9687 SPINAL ANESTHETICS  
E8551 ACCIDENTAL POISONING, OTHER NERVOUS SYSTEM DEPRESSANTS

#### Denominator:

All surgical discharges, 18 years and older **or** MDC 14 (pregnancy, childbirth, and puerperium), defined by specific DRGs and an ICD-9-CM code for an operating room procedure.

See [Appendix A: Operating Room Procedure Codes](#)

See [Appendix B: Surgical Discharge DRGs](#)

Exclude cases:

- with ICD-9-CM diagnosis codes for anesthesia complications (see Numerator) in the principal diagnosis field or in a secondary diagnosis field if present on admission, if known
- with codes for self-inflicted injury, poisoning due to anesthetics (E8551, 9681-4, 9687) **and** any diagnosis code for active drug dependence, or active nondependent abuse of drugs

See [Appendix L: Self-Inflicted Injury Diagnosis Codes](#)

Control-click (Word) or click (PDF) to view the Appendix. Links are provided to return to the PSI Detailed Definition.

**Complications of Anesthesia (PSI 1)**

*ICD-9-CM Active Drug Dependence diagnosis codes:*

- 30400 OPIOID TYPE DEPENDENCE - UNSPECIFIED
- 30401 OPIOID TYPE DEPENDENCE - CONTINUOUS
- 30402 OPIOID TYPE DEPENDENCE - EPISODIC
- 30410 BARBITURATE AND SIMILARLY ACTING SEDATIVE OR HYPNOTIC DEPENDENCE - UNSPECIFIED
- 30411 BARBITURATE AND SIMILARLY ACTING SEDATIVE OR HYPNOTIC DEPENDENCE - CONTINUOUS
- 30412 BARBITURATE AND SIMILARLY ACTING SEDATIVE OR HYPNOTIC DEPENDENCE - EPISODIC
- 30420 COCAINE DEPENDENCE - UNSPECIFIED
- 30421 COCAINE DEPENDENCE - CONTINUOUS
- 30422 COCAINE DEPENDENCE - EPISODIC
- 30430 CANNABIS DEPENDENCE - UNSPECIFIED
- 30431 CANNABIS DEPENDENCE - CONTINUOUS
- 30432 CANNABIS DEPENDENCE - EPISODIC
- 30440 AMPHETAMINE AND OTHER PSYCHO STIMULANT DEPENDENCE - UNSPECIFIED
- 30441 AMPHETAMINE AND OTHER PSYCHO STIMULANT DEPENDENCE - CONTINUOUS
- 30442 AMPHETAMINE AND OTHER PSYCHO STIMULANT DEPENDENCE - EPISODIC
- 30450 HALLUCINOGEN DEPENDENCE - UNSPECIFIED
- 30451 HALLUCINOGEN DEPENDENCE - CONTINUOUS
- 30452 HALLUCINOGEN DEPENDENCE - EPISODIC
- 30460 OTHER SPECIFIED DRUG DEPENDENCE - UNSPECIFIED
- 30461 OTHER SPECIFIED DRUG DEPENDENCE - CONTINUOUS
- 30462 OTHER SPECIFIED DRUG DEPENDENCE - EPISODIC
- 30470 COMBINATIONS OF OPIOID TYPE DRUG W/ ANY OTHER - UNSPECIFIED
- 30471 COMBINATIONS OF OPIOID TYPE DRUG W/ ANY OTHER - CONTINUOUS
- 30472 COMBINATIONS OF OPIOID TYPE DRUG W/ ANY OTHER - EPISODIC
- 30480 COMBINATIONS OF DRUG EXCLUDING OPIOID TYPE DRUG - UNSPECIFIED
- 30481 COMBINATIONS OF DRUG EXCLUDING OPIOID TYPE DRUG - CONTINUOUS
- 30482 COMBINATIONS OF DRUG EXCLUDING OPIOID TYPE DRUG - EPISODIC
- 30490 UNSPECIFIED DRUG DEPENDENCE - UNSPECIFIED
- 30491 UNSPECIFIED DRUG DEPENDENCE - CONTINUOUS
- 30492 UNSPECIFIED DRUG DEPENDENCE - EPISODIC

*ICD-9-CM Active Nondependent Abuse of Drugs diagnosis codes:*

- 30520 CANNABIS ABUSE - UNSPECIFIED
- 30521 CANNABIS ABUSE - CONTINUOUS
- 30522 CANNABIS ABUSE - EPISODIC
- 30530 HALLUCINOGEN ABUSE - UNSPECIFIED
- 30531 HALLUCINOGEN ABUSE - CONTINUOUS
- 30532 HALLUCINOGEN ABUSE - EPISODIC
- 30540 BARBITURATE AND SIMILARLY ACTING SEDATIVE OR HYPNOTIC ABUSE - UNSPECIFIED
- 30541 BARBITURATE AND SIMILARLY ACTING SEDATIVE OR HYPNOTIC ABUSE - CONTINUOUS
- 30542 BARBITURATE AND SIMILARLY ACTING SEDATIVE OR HYPNOTIC ABUSE - EPISODIC
- 30550 OPIOID ABUSE - UNSPECIFIED
- 30551 OPIOID ABUSE - CONTINUOUS
- 30552 OPIOID ABUSE - EPISODIC
- 30560 COCAINE ABUSE - UNSPECIFIED
- 30561 COCAINE ABUSE - CONTINUOUS
- 30562 COCAINE ABUSE - EPISODIC
- 30570 AMPHETAMINE OR RELATED ACTING SYMPATHOMIMETIC ABUSE - UNSPECIFIED
- 30571 AMPHETAMINE OR RELATED ACTING SYMPATHOMIMETIC ABUSE - CONTINUOUS
- 30572 AMPHETAMINE OR RELATED ACTING SYMPATHOMIMETIC ABUSE - EPISODIC
- 30580 ANTIDEPRESSANT TYPE ABUSE - UNSPECIFIED
- 30581 ANTIDEPRESSANT TYPE ABUSE - CONTINUOUS
- 30582 ANTIDEPRESSANT TYPE ABUSE - EPISODIC
- 30590 OTHER, MIXED, OR UNSPECIFIED DRUG ABUSE - UNSPECIFIED
- 30591 OTHER, MIXED, OR UNSPECIFIED DRUG ABUSE - CONTINUOUS

**Complications of Anesthesia (PSI 1)**

30592 OTHER, MIXED, OR UNSPECIFIED DRUG ABUSE - EPISODIC

**Death in Low-Mortality DRGs (PSI 2)**

**Numerator:**

Discharges with disposition of “deceased” 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 with less than 0.5% mortality rate. If a DRG is divided into “without/with complications,” both DRGs must have mortality rates below 0.5% to qualify for inclusion.

*Low-Mortality DRGs:*

- 006 CARPAL TUNNEL RELEASE
- 021 VIRAL MENINGITIS
- 036 RETINAL PROCEDURES
- 037 ORBITAL PROCEDURES
- 039 LENS PROCEDURES WITH OR WITHOUT VITRECTOMY
- 040 EXTRAOCULAR PROCEDURES EXCEPT ORBIT AGE >17 OCT05-
- 042 INTRAOCULAR PROCEDURES EXCEPT RETINA, IRIS & LENS
- 043 HYPHEMA
- 044 ACUTE MAJOR EYE INFECTIONS
- 045 NEUROLOGICAL EYE DISORDERS
- 049 MAJOR HEAD & NECK PROCEDURES OCT05-
- 050 SIALOADENECTOMY
- 051 SALIVARY GLAND PROCEDURES EXCEPT SIALOADENECTOMY
- 052 CLEFT LIP & PALATE REPAIR
- 053 SINUS & MASTOID PROCEDURES AGE >17
- 055 MISCELLANEOUS EAR, NOSE, MOUTH & THROAT PROCEDURES
- 056 RHINOPLASTY OCT05-
- 057 T&A PROC, EXCEPT TONSILLECTOMY &/OR ADENOIDECTOMY ONLY, AGE >17
- 059 TONSILLECTOMY &/OR ADENOIDECTOMY ONLY, AGE >17 OCT05-
- 063 OTHER EAR, NOSE, MOUTH & THROAT O.R. PROCEDURES
- 065 DYSEQUILIBRIUM
- 067 EPIGLOTTITIS OCT05-
- 068 OTITIS MEDIA & URI AGE >17 W CC
- 069 OTITIS MEDIA & URI AGE >17 WO CC OCT05-
- 072 NASAL TRAUMA & DEFORMITY OCT05-
- 096 BRONCHITIS & ASTHMA AGE >17 W CC
- 097 BRONCHITIS & ASTHMA AGE >17 WO CC
- 118 CARDIAC PACEMAKER DEVICE REPLACEMENT OCT05-
- 125 CIRCULATORY DISORDERS EXCEPT AMI, W CARD CATH WO COMPLEX
- 134 HYPERTENSION
- 140 ANGINA PECTORIS
- 141 SYNCOPE & COLLAPSE W CC
- 142 SYNCOPE & COLLAPSE WO CC
- 143 CHEST PAIN
- 166 APPENDECTOMY WO COMPLICATED PRINCIPAL DIAG W CC
- 167 APPENDECTOMY WO COMPLICATED PRINCIPAL DIAG WO CC
- 177 UNCOMPLICATED PEPTIC ULCER W CC OCT05-
- 178 UNCOMPLICATED PEPTIC ULCER WO CC OCT05-
- 179 INFLAMMATORY BOWEL DISEASE OCT05-
- 187 DENTAL EXTRACTIONS & RESTORATIONS OCT05-
- 223 MAJOR SHOULDER/ELBOW PROC, OR OTHER UPPER EXTREMITY PROC



**Death in Low-Mortality DRGs (PSI 2)**

224	SHOULDER,ELBOW OR FOREARM PROC,EXC MAJOR JOINT PROC, WO
225	FOOT PROCEDURES
228	MAJOR THUMB OR JOINT PROC,OR OTH HAND OR WRIST PROC W CC
229	HAND OR WRIST PROC, EXCEPT MAJOR JOINT PROC, WO CC
231	LOCAL EXCISION & REMOVAL OF INT FIX DEVICES EXCEPT HIP & FEMUR OCT05-
237	SPRAINS, STRAINS, & DISLOCATIONS OF HIP, PELVIS & THIGH OCT05-
232	ARTHROSCOPY
244	BONE DISEASES & SPECIFIC ARTHROPATHIES W CC OCT05-
245	BONE DISEASES & SPECIFIC ARTHROPATHIES WO CC OCT05-
246	NON-SPECIFIC ARTHROPATHIES
247	SIGNS & SYMPTOMS OF MUSCULOSKELETAL SYSTEM & CONN TISSUE OCT05-
257	TOTAL MASTECTOMY FOR MALIGNANCY W CC OCT05-
258	TOTAL MASTECTOMY FOR MALIGNANCY WO CC OCT05-
261	BREAST PROC FOR NON-MALIGNANCY EXCEPT BIOPSY & LOCAL EXC
262	BREAST BIOPSY & LOCAL EXCISION FOR NON-MALIGNANCY
267	PERIANAL & PILONIDAL PROCEDURES
268	SKIN, SUBCUTANEOUS TISSUE & BREAST PLASTIC PROCEDURES OCT05-
276	NON-MALIGANT BREAST DISORDERS
288	O.R. PROCEDURES FOR OBESITY
289	PARATHYROID PROCEDURES
290	THYROID PROCEDURES
291	THYROGLOSSAL PROCEDURES
295	DIABETES AGE 0-35
323	URINARY STONES W CC, &/OR ESW LITHOTRIPSY
324	URINARY STONES WO CC
334	MAJOR MALE PELVIC PROCEDURES W CC
335	MAJOR MALE PELVIC PROCEDURES WO CC
336	TRANSURETHRAL PROSTATECTOMY W CC
337	TRANSURETHRAL PROSTATECTOMY WO CC
339	TESTES PROCEDURES, NON-MALIGNANCY AGE >17
341	PENIS PROCEDURES
342	CIRCUMCISION AGE >17
350	INFLAMMATION OF THE MALE REPRODUCTIVE SYSTEM
353	PELVIC EVISCERATION, RADICAL HYSTERECTOMY & RADICAL VULV OCT06-
356	FEMALE REPRODUCTIVE SYSTEM RECONSTRUCTIVE PROCEDURES
358	UTERINE & ADNEXA PROC FOR NON-MALIGNANCY W CC
359	UTERINE & ADNEXA PROC FOR NON-MALIGNANCY WO CC
360	VAGINA, CERVIX & VULVA PROCEDURES
361	LAPAROSCOPY & INCISIONAL TUBAL INTERRUPTION
362	ENDOSCOPIC TUBAL INTERRUPTION
364	D&C, CONIZATION EXCEPT FOR MALIGNANCY
369	MENSTRUAL & OTHER FEMALE REPRODUCTIVE SYSTEM DISORDERS
370	CESAREAN SECTION W CC
371	CESAREAN SECTION WO CC
372	VAGINAL DELIVERY W COMPLICATING DIAGNOSES
373	VAGINAL DELIVERY WO COMPLICATING DIAGNOSES
374	VAGINAL DELIVERY W STERILIZATION &/OR D&C
375	VAGINAL DELIVERY W O.R. PROC EXCEPT STERIL &/OR D&C OCT06
376	POSTPARTUM & POST ABORTION DIAGNOSES WO O.R. PROCEDURE
377	POSTPARTUM & POST ABORTION DIAGNOSES W O.R. PROCEDURE
378	ECTOPIC PREGNANCY
379	THREATENED ABORTION
380	ABORTION WO D&C
381	ABORTION W D&C, ASPIRATION CURETTAGE OR HYSTEROTOMY
382	FALSE LABOR
383	OTHER ANTEPARTUM DIAGNOSES W MEDICAL COMPLICATIONS
384	OTHER ANTEPARTUM DIAGNOSES WO MEDICAL COMPLICATIONS
421	VIRAL ILLNESS AGE >17
425	ACUTE ADJUSTMENT REACTION & PSYCHOSOCIAL DYSFUNCTION OCT06
426	DEPRESSIVE NEUROSES

**Death in Low-Mortality DRGs (PSI 2)**

- 427 NEUROSES EXCEPT DEPRESSIVE
- 428 DISORDERS OF PERSONALITY & IMPULSE CONTROL
- 430 PSYCHOSES
- 431 CHILDHOOD MENTAL DISORDERS
- 432 OTHER MENTAL DISORDER DIAGNOSES
- 433 ALCOHOL/DRUG ABUSE OR DEPENDENCE, LEFT AMA
- 434 ALC/DRUG ABUSE OR DEPEND, DETOX OR OTH SYMPT TREAT W CC
- 435 ALC/DRUG ABUSE OR DEPEND, DETOX OR OTH SYMPT TREAT WO CC
- 436 ALC/DRUG DEPENDENCE W REHABILITATION THERAPY (NO LONGER
- 437 ALC/DRUG DEPENDENCE, COMBINED REHAB & DETOX THERAPY (NO
- 439 SKIN GRAFTS FOR INJURIES
- 441 HAND PROCEDURES FOR INJURIES
- 447 ALLERGIC REACTIONS AGE >17
- 471 BILATERAL OR MULTIPLE MAJOR JOINT PROCS OF LOWER EXTREMI
- 491 MAJOR JOINT & LIMB REATTACHMENT PROCEDURES OF UPPER EXTR
- 496 COMBINED ANTERIOR/POSTERIOR SPINAL FUSION
- 497 SPINAL FUSION EXCEPT CERVICAL W CC OCT06
- 498 SPINAL FUSION EXCEPT CERVICAL WO CC OCT06
- 499 BACK & NECK PROCEDURES EXCEPT SPINAL FUSION W CC
- 500 BACK & NECK PROCEDURES EXCEPT SPINAL FUSION WO CC
- 503 KNEE PROCEDURES WO PDX OF INFECTION
- 517 PERC CARDIO PROC W NON-DRUG ELUTING STENT WO AMI
- 518 PERC CARDIO PROC WO CORONARY ARTERY STENT OR AMI OCT06
- 521 ALCOHOL/DRUG ABUSE OR DEPENDENCE W CC
- 522 ALC/DRUG ABUSE OR DEPEND W REHABILITATION THERAPY WO CC
- 523 ALC/DRUG ABUSE OR DEPEND WO REHABILITATION THERAPY WO CC
- 524 TRANSIENT ISCHEMIA
- 527 PERCUTNEOUS CARDIOVASULAR PROC W DRUG ELUTING STENT WO A
- 536 CARDIAC DEFIB IMPLANT W CARDIAC CATH WO AMI/HF/SHOCK

Exclude patients with any code for trauma, immunocompromised state, or cancer.

See [Appendix C: ICD-9-CM Trauma Diagnosis Codes](#)

See [Appendix D: ICD-9-CM Codes for Immunocompromised States](#)

See [Appendix E: Cancer Codes](#)

Control-click (Word) or click (PDF) to view the Appendix. Links are provided to return to the PSI Detailed Definition.

**Decubitus Ulcer (PSI 3)**

**Numerator:**

Discharges with ICD-9-CM code of decubitus ulcer in any secondary diagnosis field among cases meeting the inclusion and exclusion rules for the denominator.

*ICD-9-CM Decubitus Ulcer Diagnosis Codes:*

- 7070\* DECUBITUS ULCER
- 70700 DECUBITUS ULCER SITE NOS (OCT 04)
- 70701 DECUBITUS ULCER, ELBOW (OCT 04)
- 70702 DECUBITUS ULCER, UP BACK (OCT 04)
- 70703 DECUBITUS ULCER, LOW BACK (OCT 04)
- 70704 DECUBITUS ULCER, HIP (OCT 04)
- 70705 DECUBITUS ULCER, BUTTOCK (OCT 04)
- 70706 DECUBITUS ULCER, ANKLE (OCT 04)
- 70707 DECUBITUS ULCER, HEEL (OCT 04)

## Decubitus Ulcer (PSI 3)

70709 DECUBITUS ULCER, SITE NEC (OCT 04)

\*No longer valid in FY2005

### Denominator:

All medical and surgical discharges age 18 years and older defined by specific DRGs.

See [Appendix B: Surgical Discharge DRGs](#)

See [Appendix F: Medical Discharge DRGs](#)

Control-click (Word) or click (PDF) to view the Appendix. Links are provided to return to the PSI Detailed Definition.

### Exclude cases:

- with length of stay of less than 5 days
- with preexisting condition of decubitus ulcer (see Numerator) (primary diagnosis or secondary diagnosis present on admission, if known)
- MDC 9 (Skin, Subcutaneous Tissue, and Breast)
- MDC 14 (pregnancy, childbirth, and puerperium)
- with any diagnosis of hemiplegia, paraplegia, or quadriplegia
- with ICD-9-CM code of spina bifida or anoxic brain damage
- with an ICD-9-CM procedure code for debridement or pedicle graft **before or on the same day** as the major operating room procedure (surgical cases only)
- admitted from a long-term care facility (SID Admission Source=3)
- transferred from an acute care facility (SID Admission Source=2)

See [Appendix A: Operating Room Procedure Codes](#)

Control-click (Word) or click (PDF) to view the Appendix. Links are provided to return to the PSI Detailed Definition.

*ICD-9-CM Hemiplegia, Paraplegia, or Quadriplegia diagnosis codes (includes 4<sup>th</sup> and 5<sup>th</sup> digits):*

33371 ATHETOID CEREBRAL PALSY OCT06-  
 3420 FLACCID HEMIPLEGIA  
 3421 SPASTIC HEMIPLEGIA  
 3428 OTHER SPECIFIED HEMIPLEGIA  
 3429 HEMIPLEGIA, UNSPECIFIED  
 3430 INFANTILE CEREBRAL PALSY, DIPLEGIC  
 3431 INFANTILE CEREBRAL PALSY, HEMIPLEGIC  
 3432 INFANTILE CEREBRAL PALSY, QUADRIPLEGIC  
 3433 INFANTILE CEREBRAL PALSY, MONOPLEGIC  
 3434 INFANTILE CEREBRAL PALSY INFANTILE HEMIPLEGIA  
 3438 INFANTILE CEREBRAL PALSY OTHER SPECIFIED INFANTILE CEREBRAL PALSY  
 3439 INFANTILE CEREBRAL PALSY, INFANTILE CEREBRAL PALSY, UNSPECIFIED  
 3440 QUADRIPLEGIA AND QUADRIPARESIS  
 3441 PARAPLEGIA  
 3442 DIPLEGIA OF UPPER LIMBS  
 3443 MONOPLEGIA OF LOWER LIMB  
 3444 MONOPLEGIA OF UPPER LIMB  
 3445 UNSPECIFIED MONOPLEGIA  
 3446 CAUDA EQUINA SYNDROME  
 3448 OTHER SPECIFIED PARALYTIC SYNDROMES  
 3449 PARALYSIS, UNSPECIFIED  
 4382 HEMIPLEGIA/HEMIPARESIS  
 4383 MONOPLEGIA OF UPPER LIMB

**Decubitus Ulcer (PSI 3)**

4384 MONOPLÉGIA OF LOWER LIMB  
 4385 OTHER PARALYTIC SYNDROME  
 7687 HYPOXIC-ISCHEMIC ENCEPH OCT06-

*ICD-9-CM Spina Bifida or Anoxic Brain Damage diagnosis codes*

3481 ANOXIC BRAIN DAMAGE  
 74100 SPINA BIFIDA, W HYDROCEPHALUS UNSPECIFIED REGION  
 74101 SPINA BIFIDA, W HYDROCEPHALUS CERVICAL REGION  
 74102 SPINA BIFIDA, W HYDROCEPHALUS DORSAL REGION  
 74103 SPINA BIFIDA, W HYDROCEPHALUS LUMBAR REGION  
 74190 SPINA BIFIDA, W/O HYDROCEPHALUS UNSPECIFIED REGION  
 74191 SPINA BIFIDA, W/O HYDROCEPHALUS CERVICAL REGION  
 74192 SPINA BIFIDA, W/O HYDROCEPHALUS DORSAL REGION  
 74193 SPINA BIFIDA, W/O HYDROCEPHALUS LUMBAR REGION  
 7685 SEVERE BIRTH ASPHYXIA

*ICD-9-CM procedure code for debridement or pedicle graft*

8345 OTHER MYECTOMY  
 8622 EXC WOUND DEBRIDEMENT  
 8628 NONEXCIS DEBRIDEMENT WND  
 8670 PEDICLE GRAFT/FLAP NOS  
 8671 CUT & PREP PEDICLE GRAFT  
 8672 PEDICLE GRAFT ADVANCEMEN  
 8674 ATTACH PEDICLE GRAFT NEC  
 8675 REVISION OF PEDICLE GRFT

*SID Admission source*

Admission source is recorded as acute care facility (SID ASOURCE=2)  
 Admission source is recorded as long-term care facility (SID ASOURCE=3)

**Death among Surgical Inpatients with Serious Treatable Complications (PSI 4)**

**Numerator:**

All discharges with a disposition of “deceased” among cases meeting the inclusion and exclusion rules for the denominator.

**Denominator:**

All surgical discharges age 18 years and older defined by specific DRGs and an ICD-9-CM code for an operating room procedure, principal procedure within 2 days of admission OR admission type of elective\* with potential complications of care listed in Death among Surgical definition (e.g., pneumonia, DVT/PE, sepsis, shock/cardiac arrest, or GI hemorrhage/acute ulcer).

Exclude cases:

- age 90 years and older
- neonatal patients in MDC 15
- transferred to an acute care facility (SID Discharge Disposition = 2)

**NOTE: Additional exclusion criteria is specific to each diagnosis.**

FTR 2 - DVT/PE



**Death among Surgical Inpatients with Serious Treatable Complications (PSI 4)**

*Include ICD-9-CM DVT/PE diagnosis codes:*

See [Appendix K: Pulmonary Embolism/Deep Vein Thrombosis](#)

Control-click (Word) or click (PDF) to view the Appendix. Links are provided to return to the PSI Detailed Definition.

Exclude cases:

- with preexisting (principal diagnosis or secondary diagnosis present on admission, if known) of pulmonary embolism or deep vein thrombosis
- with abortion-related and postpartum obstetric pulmonary embolism

*ICD-9-CM Abortion-related and Postpartum Obstetric Pulmonary Embolism diagnosis codes:*

63460 SPONTANEOUS ABORTION W/ EMBOLISM - UNSPECIFIED  
 63461 SPONTANEOUS ABORTION W/ EMBOLISM - INCOMPLETE  
 63462 SPONTANEOUS ABORTION W/ EMBOLISM - COMPLETE  
 63560 LEGAL ABORTION W/ EMBOLISM - UNSPECIFIED  
 63561 LEGAL ABORTION W/ EMBOLISM - INCOMPLETE  
 63562 LEGAL ABORTION W/ EMBOLISM - COMPLETE  
 63660 ILLEGAL ABORTION W/ EMBOLISM - UNSPECIFIED  
 63661 ILLEGAL ABORTION W/ EMBOLISM - INCOMPLETE  
 63662 ILLEGAL ABORTION W/ EMBOLISM - COMPLETE  
 63760 ABORTION NOS W/ EMBOLISM - UNSPECIFIED  
 63761 ABORTION NOS W/ EMBOLISM - INCOMPLETE  
 63762 ABORTION NOS W/ EMBOLISM - COMPLETE  
 6386 ATTEMPTED ABORTION W/ EMBOLISM  
 6396 POSTABORTION EMBOLISM  
 67320 OBSTETRICAL BLOOD-CLOT EMBOLISM, UNSPECIFIED AS TO EPISODE OF CARE OR NOT APPLICABLE  
 67321 OBSTETRICAL BLOOD-CLOT EMBOLISM, DELIVERED, W/ OR W/O MENTION OF ANTEPARTUM CONDITION  
 67322 OBSTETRICAL BLOOD-CLOT EMBOLISM, DELIVERED, W/ MENTION OF POSTPARTUM COMPLICATION  
 67323 OBSTETRICAL BLOOD-CLOT EMBOLISM, ANTEPARTUM CONDITION OR COMPLICATION  
 67324 OBSTETRICAL BLOOD-CLOT EMBOLISM, POSTPARTUM CONDITION OR COMPLICATION

FTR 3 - Pneumonia

*Include ICD-9-CM Pneumonia diagnosis codes:*

4820 PNEUMONIA DUE TO KLEBSIELLA PNEUMONIAE  
 4821 PNEUMONIA DUE TO PSEUDOMONAS  
 4822 PNEUMONIA DUE TO HEMOPHILUS INFLUENZAE [H. INFLUENZAE]  
 4823 PNEUMONIA DUE TO STREPTOCOCCUS  
 48230 PNEUMONIA DUE TO STREPTOCOCCUS – STREPTOCOCCUS, UNSPECIFIED  
 48231 PNEUMONIA DUE TO STREPTOCOCCUS – GROUP A  
 48232 PNEUMONIA DUE TO STREPTOCOCCUS – GROUP B  
 48239 PNEUMONIA DUE TO STREPTOCOCCUS – OTHER STREPTOCOCCUS  
 4824 PNEUMONIA DUE TO STAPHYLOCOCCUS  
 48240 PNEUMONIA DUE TO STAPHYLOCOCCUS – PNEUMONIA DUE TO STAPHYLOCOCCUS, UNSPECIFIED  
 48241 PNEUMONIA DUE TO STAPHYLOCOCCUS – PNEUMONIA DUE TO STAPHYLOCOCCUS AUREUS  
 48249 PNEUMONIA DUE TO STAPHYLOCOCCUS – OTHER STAPHYLOCOCCUS PNEUMONIA  
 4828 PNEUMONIA DUE TO OTHER SPECIFIED BACTERIA  
 48281 PNEUMONIA DUE TO OTHER SPECIFIED BACTERIA – ANAEROBES  
 48282 PNEUMONIA DUE TO OTHER SPECIFIED BACTERIA – EXCHERICHIA COLI [E COLI]

**Death among Surgical Inpatients with Serious Treatable Complications (PSI 4)**

48283 PNEUMONIA DUE TO OTHER SPECIFIED BACTERIA – OTHER GRAM-NEGATIVE BACTERIA  
 48284 PNEUMONIA DUE TO OTHER SPECIFIED BACTERIA – LEGIONNAIRES' DISEASE  
 48289 PNEUMONIA DUE TO OTHER SPECIFIED BACTERIA – OTHER SPECIFIED BACTERIA  
 4829 BACTERIAL PNEUMONIA UNSPECIFIED  
 485 BRONCHOPNEUMONIA, ORGANISM UNSPECIFIED  
 486 PNEUMONIA, ORGANISM UNSPECIFIED  
 5070 DUE TO INHALATION OF FOOD OR VOMITUS  
 514 PULMONARY CONGESTION AND HYPOSTASIS

**Exclude cases**

- with preexisting condition (principal diagnosis or secondary diagnosis present on admission, if known) of pneumonia or 997.3
- with any diagnosis code for viral pneumonia
- MDC 4 (diseases/disorders of respiratory system)
- with any diagnosis of immunocompromised state.

*ICD-9-CM Viral Pneumonia diagnosis codes:*

4800 ADENOVIRAL PNEUMONIA  
 4801 RESPIRATORY SYNCYTIAL VIRAL PNEUMONIA  
 4802 PARAINFLUENZA VIRAL PNEUMONIA  
 4803 PNEUMONIA DUE TO SARS OCT03-  
 4808 VIRAL PNEUMONIA NOT ELSEWHERE CLASSIFIED  
 4809 VIRAL PNEUMONIA UNSPECIFIED  
 481 PNEUMOCOCCAL PNEUMONIA  
 4830 PNEUMONIA DUE TO MYCOPLASMA PNEUMONIAE  
 4831 PNEUMONIA DUE TO CHLAMYDIA  
 4838 PNEUMONIA DUE TO OTHER SPECIFIED ORGANISM  
 4841 PNEUMONIA IN CYTOMEGALIC INCLUSION DISEASE  
 4843 PNEUMONIA IN WHOOPING COUGH  
 4845 PNEUMONIA IN ANTHRAX  
 4846 PNEUMONIA IN ASPERGILLOSIS  
 4847 PNEUMONIA IN OTHER SYSTEMIC MYCOSES  
 4848 PNEUMONIA IN INFECTIOUS DISEASE NOT ELSEWHERE CLASSIFIED  
 4870 INFLUENZA W/ PNEUMONIA  
 4871 FLU W/ RESPIRATORY MANIFEST NOT ELSEWHERE CLASSIFIED  
 4878 FLU W/ MANIFESTATION NOT ELSEWHERE CLASSIFIED  
 488 FLU D/T AVIAN FLU VIRUS

*ICD-9-CM Immunocompromised States diagnosis codes:*

See [Appendix D: ICD-9-CM Codes for Immunocompromised States](#)

Control-click (Word) or click (PDF) to view the Appendix. Links are provided to return to the PSI Detailed Definition.

**FTR 4 - Sepsis**

*Include ICD-9-CM Sepsis diagnosis codes:*

*ICD-9-CM Sepsis diagnosis codes:*

0380 STREPTOCOCCAL SEPTICEMIA  
 0381 STAPHYLOCOCCAL SEPTICEMIA  
 03810 STAPHYLOCOCCAL SEPTICEMIA, UNSPECIFIED  
 03811 STAPHYLOCOCCUS AUREUS SEPTICEMIA  
 03819 OTHER STAPHYLOCOCCAL SEPTICEMIA

**Death among Surgical Inpatients with Serious Treatable Complications (PSI 4)**

0382 PNEUMOCOCCAL SEPTICEMIA (STREPTOCOCCUS PNEUMONIAE SEPTICEMIA)  
 0383 SEPTICEMIA DUE TO ANAEROBES

Septicemia due to:

03840 GRAM-NEGATIVE ORGANISM, UNSPECIFIED  
 03841 HEMOPHILUS INFLUENZAE  
 03842 ESCHERICHIA COLI  
 03843 PSEUDOMONAS  
 03844 SERRATIA  
 03849 SEPTICEMIA DUE TO OTHER GRAM-NEGATIVE ORGANISMS  
 0388 OTHER SPECIFIED SEPTICEMIAS  
 0389 UNSPECIFIED SEPTICEMIA  
 78552 SEPTIC SHOCK OCT03-  
 78559 SHOCK W/O MENTION OF TRAUMA- OTHER  
 99591 SYSTEMIC INFLAMMATORY RESPONSE SYNDROME DUE TO INFECTIOUS PROCESS W/O ORGAN DYSFUNCTION  
 99592 SYSTEMIC INFLAMMATORY RESPONSE SYNDROME DUE TO INFECTIOUS PROCESS W/ ORGAN DYSFUNCTION  
 9980 POSTOPERATIVE SHOCK

Exclude cases with the following combination: any diagnosis of immunocompromised state and principal diagnosis of infection or sepsis and patients with a length of stay 3 days or less.

See [Appendix D: ICD-9-CM Codes for Immunocompromised States](#)

See [Appendix P: Infection Diagnosis Codes and DRGs](#)

Control-click (Word) or click (PDF) to view the Appendix. Links are provided to return to the PSI Detailed Definition.

**FTR 5 - Shock or Cardiac Arrest**

*Include ICD-9-CM Shock or Cardiac Arrest diagnosis codes:*

4275 CARDIAC ARREST  
 6395 COMPLICATIONS FOLLOWING ABORTION AND ECTOPIC AND MOLAR PREGNANCIES, SHOCK

Shock during or following labor and delivery:

66910 SHOCK DURING OR FOLLOWING LABOR AND DELIVERY – UNSPECIFIED AS TO EPISODE OF CARE OR NOT APPLICABLE  
 66911 SHOCK DURING OR FOLLOWING LABOR AND DELIVERY – DELIVERED, W/ OR W/O MENTION OF ANTEPARTUM CONDITION  
 66912 SHOCK DURING OR FOLLOWING LABOR AND DELIVERY – DELIVERED, W/ MENTION OF POSTPARTUM COMPLICATION  
 66913 SHOCK DURING OR FOLLOWING LABOR AND DELIVERY – ANTEPARTUM CONDITION OR COMPLICATION  
 66914 SHOCK DURING OR FOLLOWING LABOR AND DELIVERY – POSTPARTUM CONDITION OR COMPLICATION  
 7855 SHOCK NOS  
 78550 SHOCK, UNSPECIFIED  
 78551 CARDIOGENIC SHOCK  
 78552 SEPTIC SHOCK OCT03-  
 78559 SHOCK W/O MENTION OF TRAUMA- OTHER  
 7991 RESPIRATORY ARREST  
 9950 OTHER ANAPHYLACTIC SHOCK  
 9954 SHOCK DUE TO ANESTHESIA  
 9980 POSTOPERATIVE SHOCK

**Death among Surgical Inpatients with Serious Treatable Complications (PSI 4)**

9994 ANAPHYLACTIC SHOCK DUE TO SERUM

*ICD-9-CM procedure codes:*

9393 NONMECHANICAL METHODS OF RESUSCITATION  
 9960 CARDIOPULMONARY RESUSCITATION, NOS  
 9963 CLOSED CHEST CARDIAC MASSAGE

Exclude cases

- with diagnosis of hemorrhage, trauma, or GI hemorrhage
- MDC 4 (diseases/disorders of respiratory system)
- MDC 5 (diseases/disorders of circulatory system)
- with preexisting condition (principal diagnosis or secondary diagnosis present on admission, if known) of shock or cardiac arrest
- with abortion-related shock

See [Appendix G: Hemorrhage Diagnosis Codes](#)

See [Appendix C: ICD-9-CM Trauma Diagnosis Codes](#)

See [Appendix J: Trauma DRGs](#)

See [Appendix I: ICD-9-CM Gastrointestinal \(GI\) Hemorrhage Diagnosis Codes](#)

Control-click (Word) or click (PDF) to view an Appendix. Links are provided to return to the PSI Detailed Definition.

*ICD-9-CM Abortion-related Shock diagnosis codes:*

63450 SPONTANEOUS ABORTION W/ SHOCK - UNSPECIFIED  
 63451 SPONTANEOUS ABORTION W/ SHOCK - INCOMPLETE  
 63452 SPONTANEOUS ABORTION W/ SHOCK - COMPLETE  
 63550 LEGAL ABORTION W/ SHOCK - UNSPECIFIED  
 63551 LEGAL ABORTION W/ SHOCK - INCOMPLETE  
 63552 LEGAL ABORTION W/ SHOCK - COMPLETE  
 63650 ILLEGAL ABORTION W/ SHOCK - UNSPECIFIED  
 63651 ILLEGAL ABORTION W/ SHOCK - INCOMPLETE  
 63652 ILLEGAL ABORTION W/ SHOCK - COMPLETE  
 63750 ABORTION NOS W/ SHOCK - UNSPECIFIED  
 63751 ABORTION NOS W/ SHOCK - INCOMPLETE  
 63752 ABORTION NOS W/ SHOCK - COMPLETE  
 6385 ATTEMPTED ABORTION W/ SHOCK

FTR 6 - GI Hemorrhage/Acute Ulcer

*Include ICD-9-CM GI Hemorrhage/Acute Ulcer diagnosis codes:*

4560 ESOPHAGEAL VARICES W/ BLEEDING  
 45620 ESOPHAGEAL VARICES IN DISEASES CLASSIFIED ELSEWHERE W/ BLEEDING  
 5307 GASTROESOPHAGEAL LACERATION-HEMORRHAGE SYNDROME  
 53082 ESOPHAGEAL HEMORRHAGE

Gastric ulcer:

53100 ACUTE W/ HEMORRHAGE – W/O MENTION OF OBSTRUCTION  
 53101 ACUTE W/ HEMORRHAGE – W/ OBSTRUCTION  
 53110 ACUTE W/ PERFORATION – W/O MENTION OF OBSTRUCTION  
 53111 ACUTE W/ PERFORATION – W/ OBSTRUCTION  
 53120 ACUTE W/ HEMORRHAGE AND PERFORATION – W/O MENTION OF OBSTRUCTION



**Death among Surgical Inpatients with Serious Treatable Complications (PSI 4)**

- 53121 ACUTE W/ HEMORRHAGE AND PERFORATION – W/ OBSTRUCTION
- 53130 ACUTE W/O MENTION OF HEMORRHAGE OR PERFORATION – W/O MENTION OF OBSTRUCTION
- 53131 ACUTE W/O MENTION OF HEMORRHAGE OR PERFORATION – W/ OBSTRUCTION
- 53190 UNSPECIFIED AS ACUTE OR CHRONIC, W/O MENTION OF HEMORRHAGE OR PERFORATION – W/O MENTION OF OBSTRUCTION
- 53191 UNSPECIFIED AS ACUTE OR CHRONIC, W/O MENTION OF HEMORRHAGE OR PERFORATION – W/ OBSTRUCTION

Duodenal ulcer:

- 53200 ACUTE W/ HEMORRHAGE – W/O MENTION OF OBSTRUCTION
- 53201 ACUTE W/ HEMORRHAGE – W/ OBSTRUCTION
- 53210 ACUTE W/ PERFORATION – W/O MENTION OF OBSTRUCTION
- 53211 ACUTE W/ PERFORATION – W/ OBSTRUCTION
- 53220 ACUTE W/ HEMORRHAGE AND PERFORATION – W/O MENTION OF OBSTRUCTION
- 53221 ACUTE W/ HEMORRHAGE AND PERFORATION – W/ OBSTRUCTION
- 53230 ACUTE W/O MENTION OF HEMORRHAGE OR PERFORATION – W/O MENTION OF OBSTRUCTION
- 53231 ACUTE W/O MENTION OF HEMORRHAGE OR PERFORATION – W/ OBSTRUCTION
- 53290 UNSPECIFIED AS ACUTE OR CHRONIC, W/O MENTION OF HEMORRHAGE OR PERFORATION – W/O MENTION OF OBSTRUCTION
- 53291 UNSPECIFIED AS ACUTE OR CHRONIC, W/O MENTION OF HEMORRHAGE OR PERFORATION – W/ OBSTRUCTION

Peptic ulcer:

- 53300 SITE UNSPECIFIED ACUTE W/ HEMORRHAGE – W/O MENTION OF OBSTRUCTION
- 53301 SITE UNSPECIFIED ACUTE W/ HEMORRHAGE – W/ OBSTRUCTION
- 53310 SITE UNSPECIFIED ACUTE W/ PERFORATION – W/O MENTION OF OBSTRUCTION
- 53311 SITE UNSPECIFIED ACUTE W/ PERFORATION – W/ OBSTRUCTION
- 53320 SITE UNSPECIFIED ACUTE W/ HEMORRHAGE AND PERFORATION – W/O MENTION OF OBSTRUCTION
- 53321 SITE UNSPECIFIED ACUTE W/ HEMORRHAGE AND PERFORATION – W/O MENTION OF OBSTRUCTION
- 53330 SITE UNSPECIFIED ACUTE W/O MENTION OF HEMORRHAGE AND PERFORATION – W/O MENTION OF OBSTRUCTION
- 53331 SITE UNSPECIFIED ACUTE W/O MENTION OF HEMORRHAGE AND PERFORATION – W/ OBSTRUCTION
- 53390 SITE UNSPECIFIED AS ACUTE OR CHRONIC, W/O MENTION OF HEMORRHAGE OR PERFORATION – W/O MENTION OF OBSTRUCTION
- 53391 UNSPECIFIED AS ACUTE OR CHRONIC, W/O MENTION OF HEMORRHAGE OR PERFORATION – W/ OBSTRUCTION

Gastrojejunal ulcer:

- 53400 ACUTE W/ HEMORRHAGE – W/O MENTION OF OBSTRUCTION
- 53401 ACUTE W/ HEMORRHAGE – W/ OBSTRUCTION
- 53410 ACUTE W/ PERFORATION – W/O MENTION OF OBSTRUCTION
- 53411 ACUTE W/ PERFORATION – W/ OBSTRUCTION
- 53420 ACUTE W/ HEMORRHAGE AND PERFORATION – W/O MENTION OF OBSTRUCTION
- 53421 ACUTE W/ HEMORRHAGE AND PERFORATION – W/ OBSTRUCTION
- 53430 ACUTE W/O MENTION OF HEMORRHAGE OR PERFORATION – W/O MENTION OF OBSTRUCTION
- 53431 ACUTE W/O MENTION OF HEMORRHAGE OR PERFORATION – W/ OBSTRUCTION
- 53490 UNSPECIFIED AS ACUTE OR CHRONIC, W/O MENTION OF HEMORRHAGE OR PERFORATION – W/O MENTION OF OBSTRUCTION
- 53491 UNSPECIFIED AS ACUTE OR CHRONIC, W/O MENTION OF HEMORRHAGE OR PERFORATION – W/ OBSTRUCTION

Gastritis and duodenitis:

**Death among Surgical Inpatients with Serious Treatable Complications (PSI 4)**

53501 ACUTE GASTRITIS – W/ HEMORRHAGE  
 53511 ATROPHIC GASTRITIS – W/ HEMORRHAGE  
 53521 GASTRIC MUCOSAL HYPERTROPHY – W/ HEMORRHAGE  
 53531 ALCOHOLIC GASTRITIS – W/ HEMORRHAGE  
 53541 OTHER SPECIFIED GASTRITIS – W/ HEMORRHAGE  
 53551 UNSPECIFIED GASTRITIS AND GASTRODUODENITIS – W/ HEMORRHAGE  
 53561 DUODENITIS – W/ HEMORRHAGE  
 53783 ANGIODYSPLASIA OF STOMACH AND DUODENUM – W/ HEMORRHAGE  
 53784 DIEULAFOY LESION (HEMORRHAGIC) OF STOMACH AND DUODENUM  
 56202 DIVERTICULOSIS OF SMALL INTESTINE – W/ HEMORRHAGE  
 56203 DIVERTICULITIS OF SMALL INTESTINE – W/ HEMORRHAGE  
 56212 DIVERTICULOSIS OF COLON – W/ HEMORRHAGE  
 56213 DIVERTICULITIS OF COLON – W/ HEMORRHAGE

5693 HEMORRHAGE OF RECTUM AND ANUS  
 56985 ANGIODYSPLASIA OF INTESTINE – W/ HEMORRHAGE  
 56986 DIEULAFOY LESION (HEMORRHAGIC) OF INTESTINE  
 5780 HEMATEMESIS  
 5781 BLOOD IN STOOL  
 5789 HEMORRHAGE OF GASTROINTESTINAL TRACT, UNSPECIFIED

Exclude cases:

- with diagnosis of trauma
- MDC 6 (diseases and disorders of the digestive system)
- MDC 7 (diseases and disorders of the hepatobiliary system and pancreas)
- with preexisting condition (principal diagnosis or secondary diagnosis present on admission, if known) of GI hemorrhage/acute ulcer, alcoholism ,or an ICD-9-CM diagnosis codes of 280.0 or 285.1

See [Appendix C: ICD-9-CM Trauma Diagnosis Codes](#)

See [Appendix J: Trauma DRGs](#)

Control-click (Word) or click (PDF) to view an Appendix. Links are provided to return to the PSI Detailed Definition.

2800 SECONDARY TO BLOOD LOSS [CHRONIC]  
 2851 ACUTE POSTHEMORRHAGIC ANEMIA

*ICD-9-CM Alcoholism diagnosis codes:*

2910 ALCOHOL WITHDRAWAL DELIRIUM  
 2911 ALCOHOL AMNESTIC SYNDROME  
 2912 OTHER ALCOHOLIC DEMENTIA  
 2913 ALCOHOL WITHDRAWAL HALLUCINOSIS  
 2914 IDIOSYNCRATIC ALCOHOL INTOXICATION  
 2915 ALCOHOLIC JEALOUSY  
 29181 OTHER SPECIFIED ALCOHOLIC PSYCHOSES, ALCOHOL WITHDRAWAL  
 29182 ALCOHOL INDUCED SLEEP DISORDERS OCT05-  
 29189 OTHER SPECIFIED ALCOHOLIC PSYCHOSES, OTHER  
 2919 UNSPECIFIED ALCOHOLIC PSYCHOSIS  
 30300 ACUTE ALCOHOLIC INTOXICATION - UNSPECIFIED  
 30301 ACUTE ALCOHOLIC INTOXICATION - CONTINUOUS  
 30302 ACUTE ALCOHOLIC INTOXICATION - EPISODIC  
 30303 ACUTE ALCOHOLIC INTOXICATION - IN REMISSION  
 30390 OTHER AND UNSPECIFIED ALCOHOL DEPENDENCE - UNSPECIFIED  
 30391 OTHER AND UNSPECIFIED ALCOHOL DEPENDENCE - CONTINUOUS  
 30392 OTHER AND UNSPECIFIED ALCOHOL DEPENDENCE - EPISODIC  
 30393 OTHER AND UNSPECIFIED ALCOHOL DEPENDENCE - IN REMISSION

<b>Death among Surgical Inpatients with Serious Treatable Complications (PSI 4)</b>	
30500	NONDEPENDENT ABUSE OF DRUGS, ALCOHOL ABUSE - UNSPECIFIED
30501	NONDEPENDENT ABUSE OF DRUGS, ALCOHOL ABUSE - CONTINUOUS
30502	NONDEPENDENT ABUSE OF DRUGS, ALCOHOL ABUSE - EPISODIC
30503	NONDEPENDENT ABUSE OF DRUGS, ALCOHOL ABUSE – IN REMISSION
4255	ALCOHOLIC CARDIOMYOPATHY
53530	ALCOHOLIC GASTRITIS, W/O MENTION OF HEMORRHAGE
53531	ALCOHOLIC GASTRITIS, W/ HEMORRHAGE
5710	ALCOHOLIC FATTY LIVER
5711	ACUTE ALCOHOLIC HEPATITIS
5712	ALCOHOLIC CIRRHOSIS OF LIVER
5713	ALCOHOLIC LIVER DAMAGE, UNSPECIFIED
9800	TOXIC EFFECT OF ALCOHOL, ETHYL ALCOHOL
9809	TOXIC EFFECT OF ALCOHOL, UNSPECIFIED ALCOHOL

<b>Foreign Body Left during Procedure, Secondary Diagnosis Field (PSI 5 and 21)</b>	
<b>Numerator:</b>	
Discharges with ICD-9-CM codes for foreign body left in during procedure in any secondary diagnosis field among cases meeting the inclusion and exclusion rules for the denominator.	
<i>ICD-9-CM Foreign Body Left in During Procedure diagnosis codes:</i>	
9984	FOREIGN BODY ACCIDENTALLY LEFT DURING A PROCEDURE
9987	ACUTE REACTIONS TO FOREIGN SUBSTANCE ACCIDENTALLY LEFT DURING A PROCEDURE
Foreign body left in during:	
E8710	SURGICAL OPERATION
E8711	INFUSION OR TRANSFUSION
E8712	KIDNEY DIALYSIS OR OTHER PERFUSION
E8713	INJECTION OR VACCINATION
E8714	ENDOSCOPIC EXAMINATION
E8715	ASPIRATION OF FLUID OR TISSUE, PUNCTURE, AND CATHETERIZATION
E8716	HEART CATHETERIZATION
E8717	REMOVAL OF CATHETER OR PACKING
E8718	OTHER SPECIFIED PROCEDURES
E8719	UNSPECIFIED PROCEDURE
Exclude patients with ICD-9-CM codes for foreign body left in during procedure in the principal diagnosis field or secondary diagnosis present on admission.	
<b>Denominator:</b>	

<b>Iatrogenic Pneumothorax, Secondary Diagnosis Field (PSI 6 and 22)</b>	
<b>Numerator:</b>	
Discharges with ICD-9-CM code of 512.1 in any secondary diagnosis field among cases meeting the inclusion and exclusion rules for the denominator.	
<b>Denominator:</b>	
All surgical and medical discharges age 18 years and older defined by specific DRGs	

**Iatrogenic Pneumothorax, Secondary Diagnosis Field (PSI 6 and 22)**

See [Appendix B: Surgical Discharge DRGs](#)

See [Appendix F: Medical Discharge DRGs](#)

Control-click (Word) or click (PDF) to view an Appendix. Links are provided to return to the PSI detailed definition.

Exclude cases:

- with ICD-9-CM code of 512.1 in the principal diagnosis field or secondary diagnosis present on admission, if known.
- MDC 14 (pregnancy, childbirth, and puerperium)
- with diagnosis code of chest trauma or pleural effusion
- with an ICD-9-CM procedure code of diaphragmatic surgery repair
- with any code indicating thoracic surgery, lung or pleural biopsy, or assigned to cardiac surgery DRGs

*ICD-9-CM Chest Trauma diagnosis codes:*

80700	FRACTURE RIB NOS-CLOSED	8621	DIAPHRAGM INJURY-OPEN
80701	FRACTURE ONE RIB-CLOSED	86221	BRONCHUS INJURY-CLOSED
80702	FRACTURE TWO RIBS-CLOSED	86222	ESOPHAGUS INJURY-CLOSED
80703	FRACTURE THREE RIBS-CLOS	86229	INTRATHORACIC INJ NEC-CL
80704	FRACTURE FOUR RIBS-CLOSE	86231	BRONCHUS INJURY-OPEN
80705	FRACTURE FIVE RIBS-CLOSE	86232	ESOPHAGUS INJURY-OPEN
80706	FRACTURE SIX RIBS-CLOSED	86239	INTRATHORAC INJ NEC-OPEN
80707	FRACTURE SEVEN RIBS-CLOS	8628	INTRATHORACIC INJ NOS-CL
80708	FX EIGHT/MORE RIB-CLOSED	8629	INTRATHORAC INJ NOS-OPEN
80709	FX MULT RIBS NOS-CLOSED	8750	OPEN WOUND OF CHEST
80710	FRACTURE RIB NOS-OPEN	8751	OPEN WOUND CHEST-COMPL
80711	FRACTURE ONE RIB-OPEN	8760	OPEN WOUND OF BACK
80712	FRACTURE TWO RIBS-OPEN	8761	OPEN WOUND BACK-COMPL
80713	FRACTURE THREE RIBS-OPEN	9010	INJURY THORACIC AORTA
80714	FRACTURE FOUR RIBS-OPEN	9011	INJ INNOMIN/SUBCLAV ART
80715	FRACTURE FIVE RIBS-OPEN	9012	INJ SUPERIOR VENA CAVA
80716	FRACTURE SIX RIBS-OPEN	9013	INJ INNOMIN/SUBCLAV VEIN
80717	FRACTURE SEVEN RIBS-OPEN	90140	INJ PULMONARY VESSEL NOS
80718	FX EIGHT/MORE RIBS-OPEN	90141	INJURY PULMONARY ARTERY
80719	FX MULT RIBS NOS-OPEN	90142	INJURY PULMONARY VEIN
8072	FRACTURE OF STERNUM-CLOS	90181	INJ INTERCOSTAL ART/VEIN
8073	FRACTURE OF STERNUM-OPEN	90182	INJ INT MAMMARY ART/VEIN
8074	FLAIL CHEST	90183	INJ MULT THORACIC VESSEL
8075	FX LARYNX/TRACHEA-CLOSED	90189	INJ THORACIC VESSEL NEC
8076	FX LARYNX/TRACHEA-OPEN	9019	INJ THORACIC VESSEL NOS
8090	FRACTURE TRUNK BONE-CLOS	9110	ABRASION TRUNK
8091	FRACTURE TRUNK BONE-OPEN	9111	ABRASION TRUNK-INFECTED
8600	TRAUM PNEUMOTHORAX-CLOSE	9118	SUPERFIC INJU TRUNK NEC
8601	TRAUM PNEUMOTHORAX-OPEN	9119	SUPERFIC INJU TRUNK NEC-INF
8602	TRAUM HEMOTHORAX-CLOSED	9220	CONTUSION OF BREAST
8603	TRAUM HEMOTHORAX-OPEN	9221	CONTUSION OF CHEST WALL
8604	TRAUM PNEUMOHEMOTHOR-CL	9223	BACK CONTUSION



**Iatrogenic Pneumothorax, Secondary Diagnosis Field (PSI 6 and 22)**

8605	TRAUM PNEUMOHEMOTHOR-OPN	92231	BACK CONTUSION
86100	HEART INJURY NOS-CLOSED	92233	INTERSCPLR REG CONTUSION
86101	HEART CONTUSION-CLOSED	9228	MULIPLE CONTUSION TRUNK
86102	HEART LACERATION-CLOSED	9229	CONTUSION OF TRUNK
86103	HEART CHAMBER LACERAT-CL	92611	CRUSHING INJURY BACK
86110	HEART INJURY NOS-OPEN	92619	CRUSHING INJ TRUNK NEC
86111	HEART CONTUSION-OPEN	9268	MULT CRUSHING INJ TRUNK
86112	HEART LACERATION-OPEN	9269	CRUSHING INJ TRUNK NOS
86113	HEART CHAMBER LACER-OPN	9290	CRUSH INJ MULT SITE NEC
86120	LUNG INJURY NOS-CLOSED	9299	CRUSHING INJURY NOS
86121	LUNG CONTUSION-CLOSED	9541	INJ SYMPA NERVE NEC
86122	LUNG LACERATION-CLOSED	9548	INJURY TRUNK NERVE NEC
86130	LUNG INJURY NOS-OPEN	9549	INJURY TRUNK NERVE NOS
86131	LUNG CONTUSION-OPEN	95911	INJURY OF CHEST WALL NEC
86132	LUNG LACERATION-OPEN	95919	TRUNK INJURY-SITES NEC
8620	DIAPHRAGM INJURY-CLOSED	9599	INJURY-SITE NOS

*ICD-9-CM Pleural Effusion diagnosis codes:*

0101	TUBERCULOUS PLEURISY IN PRIMARY PROGRESSIVE TUBERCULOSIS
01010	TUBERCULOUS PLEURISY IN PRIMARY PROGRESSIVE TUBERCULOSIS, UNSPECIFIED
01011	TPIPPT, BACTERIAL OR HISTOLOGICAL EXAM NOT DONE
01012	TPIPPT, BACTERIAL OR HISTOLOGICAL EXAM UNKNOWN
01013	TPIPPT, TUBERCLE BACILI FOUND BY MICROSCOPY
01014	TPIPPT, TUBERCLE BACILI NOT FOUND BY MICROSCOPY BUT BY BACTERIAL CULTURE
01015	TPIPPT, TUBERCLE BACILI NOT FOUND BY BACTERIOLOGICAL BUT CONFIRMED HISTOLOGICALLY
01016	TPIPPT, TUBERCLE BACILI NOT FOUND BY BACTERIOLOGICAL OR HISTOLOGICAL BUT CONFIRMED OTHER METHODS
0117	TUBRCULOUS PNEUMOTHORAX
01170	TUBRCULOUS PNEUMOTHORAX, UNSPECIFIED
01171	TPNEU, BACTERIAL OR HISTOLOGICAL EXAM NOT DONE
01172	TPNEU, BACTERIAL OR HISTOLOGICAL EXAM UNKNOWN
01173	TPNEU, TUBERCLE BACILI FOUND BY MICROSCOPY
01174	TPNEU, TUBERCLE BACILI NOT FOUND BY MICROSCOPY BUT BY BACTERIAL CULTURE
01175	TPNEU, TUBERCLE BACILI NOT FOUND BY BACTERIOLOGICAL BUT CONFIRMED HISTOLOGICALLY
01176	TPENU, TUBERCLE BACILI NOT FOUND BY BACTERIOLOGICAL OR HISTOLOGICAL BUT CONFIRMED OTHER METHODS
0120	TUBERCULOUS PLEURISY
01200	TUBERCULOUS PLEURISY, UNSPECIFIED
01201	TP, BACTERIAL OR HISTOLOGICAL EXAM NOT DONE
01202	TP, BACTERIAL OR HISTOLOGICAL EXAM UNKNOWN
01203	TP, TUBERCLE BACILI FOUND BY MICROSCOPY
01204	TP, TUBERCLE BACILI NOT FOUND BY MICROSCOPY BUT BY BACTERIAL CULTURE
01205	TP, TUBERCLE BACILI NOT FOUND BY BACTERIOLOGICAL BUT CONFIRMED HISTOLOGICALLY
01206	TP, TUBERCLE BACILI NOT FOUND BY BACTERIOLOGICAL OR HISTOLOGICAL BUT CONFIRMED OTHER METHODS
1972	SECOND MALIG NEO PLEURA
5111	WITH EFUSION, WITH MENTION OF A BACTERIAL CAUSE OTHER THAN TUBERCULOSIS

**Iatrogenic Pneumothorax, Secondary Diagnosis Field (PSI 6 and 22)**

- 5118 OTHER SPECIFIED FORM OF EFFUSION, EXCEPT TUBERCULOUS
- 5119 UNSPECIFIED PLEURAL EFFUSION

*ICD-9-CM Thoracic Surgery procedure codes:*

- 3121 MEDIASTINAL TRACHEOSTOMY
- 3145 OPEN BIOPSY OF LARYNX OR TRACHEA
- 3173 CLOSURE OF OTHER FISTULA OF TRACHEA
- 3179 OTHER REPAIR AND PLASTIC OPERATIONS ON TRACHEA
- 3199 OTHER OPERATIONS ON TRACHEA
- 3209 OTHER LOCAL EXCISION OR DESTRUCTION OF LESION OR TISSUE OF BRONCHUS
- 321 OTHER EXCISION OF BRONCHUS
- 3220 THORAC EXC LUNG LESION
- 3223 OPEN ABLTN LUNG LES/TISS OCT06-
- 3224 PERC ABLTN LUNG LES/TISS OCT06-
- 3225 THOR ABLTN LUNG LES/TISS OCT06-
- 3226 ABLTN LUNG TISS NEC/NOS OCT06-
- 3230 THORAC SEG LUNG RESECT
- 3239 OTH SEG LUNG RESECT NOS
- 3241 THORAC LOBECTOMY LUNG
- 3250 THORACOSPC PNEUMONECTOMY
- 3259 OTHER PNEUMONECTOMY NOS
- 3320 THORACOSCOPC LUNG BIOPSY
- 3420 THORACOSCOPC PLEURAL BX
- 3452 THORACOSCOPC DECORT LUNG

Local excision or destruction of lesion or tissue of lung:

- 3221 PPLICATION OF EMPHYSEMATIOUS BLEB
- 3222 LUNG VOLUME REDUCTION SURGERY
- 3228 ENDOSCOPIC EXCISION OR DESTRUCTION OF LESION OR TISSUE OF LUNG
- 3229 OTHER LOCAL EXCISION OR DESTRUCTION OF LESION OR TISSUE OF LUNG
- 323 SEGMENTAL RESECTION OF LUNG
- 324 LOBECTOMY OF LUNG
- 325 COMPLETE PNEUMONECTOMY
- 326 RADICAL DISSECTION OF THORACIC STRUCTURES
- 329 OTHER EXCISION OF LUNG
- 330 INCISION OF BRONCHUS
- 331 INCISION OF LUNG
- 3325 OPEN BIOPSY OF BRONCHUS
- 3326 CLOSE [PERCUTANEOUS][NEEDLE] BIOPSY OF LUNG
- 3327 CLOSED ENDOSCOPIC BIOPSY OF LUNG
- 3328 OPEN BIOPSY OF LUNG
- 3331 DESTRUCTION OF PHRENIC NERVE FOR COLLAPSE OF LUNG (NO LONGER PERFORMED)
- 3332 ARTIFICIAL PNEUMOTHORAX FOR COLLAPSE OF LUNG
- 3334 THORACOPLASTY
- 3339 OTHER SURGICAL COLLAPSE OF LUNG

Repair and plastic operation on lung and bronchus:

- 3341 SUTURE OF LACERATION OF BRONCHUS
- 3342 CLOSURE OF BRONCHIAL FISTULA
- 3343 CLOSURE OF LACERATION OF LUNG
- 3348 OTHER REPAIR AND PLASTIC OPERATIONS ON BRONCHUS
- 3349 OTHER REPAIR AND PLASTIC OPERATIONS ON LUNG

Lung transplant:

**Iatrogenic Pneumothorax, Secondary Diagnosis Field (PSI 6 and 22)**

- 335 LUNG TRANSPLANTATION
- 3350 LUNG TRANSPLANTATION, NOS
- 3351 UNILATERAL LUNG TRANSPLANTATION
- 3352 BILATERAL LUNG TRANSPLANTATION
- 336 COMBINED HEART-LUNG TRANSPLANTATION
- 3392 LIGATION OF BRONCHUS
- 3393 PUNCTURE OF LUNG
- 3398 OTHER OPERATIONS ON BRONCHUS
- 3399 OTHER OPERATIONS ON LUNG
- 3329 OTHER DIAGNOSTIC PROCEDURE ON LUNG AND BRONCHUS
- 3333 PNEUMOPERITONEUM FOR COLLAPSE OF LUNG
- 3401 INCISION OF CHEST WALL
- 3402 EXPLORATORY THORACOTOMY
- 3403 REOPENING OF RECENT THORACOTOMY SITE
- 3405 CREATION OF PLEUROPERITONEAL SHUNT
- 3409 OTHER INCISION OF PLEURA
- 341 INCISION OF MEDIASTINUM

Diagnostic procedures on chest wall, pleura, mediastinum, and diaphragm:

- 3421 TRANSPLEURAL THORACOSCOPY
- 3422 MEDIASTINOSCOPY
- 3423 BIOPSY OF CHEST WALL
- 3424 PLEURAL BIOPSY
- 3425 CLOSED [PERCUTANEOUS][NEEDLE] BIOPSY OF MEDIASTINUM
- 3426 OPEN BIOPSY OF MEDIASTINUM
- 3427 BIOPSY OF DIAPHRAGM
- 3428 OTHER DIAGNOSTIC PROCEDURES ON CHEST WALL, PLEURA, AND DIAPHRAGM
- 3429 OTHER DIAGNOSTIC PROCEDURES ON MEDIASTINUM
- 343 EXCISION OR DESTRUCTION OF LESION OR TISSUE OF MEDIASTINUM
- 344 EXCISION OR DESTRUCTION OF LESION OF CHEST WALL
- 3451 DECORTICATION OF LUNG
- 3459 OTHER EXCISION OF PLEURA

Repair of chest wall:

- 3471 SUTURE OF LACERATION OF CHEST WALL
- 3472 CLOSURE OF THORACOSTOMY
- 3473 CLOSURE OF OTHER FISTULA OF THORAX
- 3474 REPAIR OF PECTUS DEFORMITY
- 3479 OTHER REPAIR OF CHEST WALL

Operations on diaphragm:

- 3481 EXCISION OF LESION OR TISSUE OF DIAPHRAGM
- 3482 SUTURE OF LACERATION OF DIAPHRAGM
- 3483 CLOSURE OF FISTULA OF DIAPHRAGM
- 3484 OTHER REPAIR OF DIAPHRAGM
- 3485 IMPLANTATION OF DIAPHRAGMATIC PACEMAKER
- 3489 OTHER OPERATIONS ON DIAPHRAGM
- 3493 REPAIR OF PLEURA
- 3499 OTHER OPERATIONS ON THORAX, OTHER
- 537 ABD REPAIR-DIAPHR HERNIA
- 5380 THOR REP-DIAPH HERN NOS
- 5381 DIAPHRAGMATIC PPLICATION
- 5382 PARASTERN HERNIA REPAIR

Operations on thoracic duct:

**Iatrogenic Pneumothorax, Secondary Diagnosis Field (PSI 6 and 22)**

- 4061 CANNULATION OF THORACIC DUCT
- 4062 FISTULIZATION OF THORACIC DUCT
- 4063 CLOSURE OF FISTULA OF THORACIC DUCT
- 4064 LIGATION OF THORACIC DUCT
- 4069 OTHER OPERATIONS ON THORACIC DUCT

Esophagotomy:

- 4201 INCISION OF ESOPHAGEAL WEB
- 4209 OTHER INCISION OF ESOPHAGUS
- 4210 ESOPHAGOSTOMY, NOS
- 4211 CERVICAL ESOPHAGOSTOMY
- 4212 EXTERIORIZATION OF ESOPHAGEAL POUCH
- 4219 OTHER EXTERNAL FISTULIZATION OF ESOPHAGUS
- 4221 OPERATIVE ESOPHAGOSCOPY BY INCISION
- 4225 OPEN BIOPSY OF ESOPHAGUS
- 4231 LOCAL EXCISION OF ESOPHAGEAL DIVERTICULUM
- 4232 LOCAL EXCISION OF OTHER LESION OR TISSUE OF ESOPHAGUS
- 4239 OTHER DESTRUCTION OF LESION OR TISSUE OF ESOPHAGUS

Excision of esophagus:

- 4240 ESOPHAGECTOMY, NOS
- 4241 PARTIAL ESOPHAGECTOMY
- 4242 TOTAL ESOPHAGECTOMY

Intrathoracic anastomosis of exophagus

- 4251 INTRATHORACIC ESOPHAGOESOPHAGOSTOMY
- 4252 INTRATHORACIC ESOPHAGOGASTROSTOMY
- 4253 INTRATHORACIC ESOPHAGEAL ANASTOMOSIS W/ INTERPOSITION OF SMALL BOWEL
- 4254 OTHER INTRATHORACIC ESOPHAGOENTEROSTOMY
- 4255 INTRATHORACIC ESOPHAGEAL ANASTOMOSIS W/ INTERPOSITION OF COLON
- 4256 OTHER INTRATHORACIC ESOPHAGOCOLOSTOMY
- 4258 INTRATHORACIC ESOPHAGEAL ANASTOMOSIS W/ OTHER INTERPOSITION
- 4259 OTHER INTRATHORACIC ANASTOMOSIS OF ESOPHAGUS

Antesternal anastomosis

- 4261 ANTESTERNAL ESOPHAGOESOPHAGOSTOMY
- 4262 ANTESTERNAL ESOPHAGOGASTROSTOMY
- 4263 ANTESTERNAL ESOPHAGEAL ANASTOMOSIS W/ INTERPOSITION OF SMALL BOWEL
- 4264 OTHER ANTESTERNAL ESOPHAGOENTEROSTOMY
- 4265 ANTESTERNAL ESOPHAGEAL ANASTOMOSIS W/ INTERPOSITION OF COLON
- 4266 OTHER ANTESTERNAL ESOPHAGOCOLOSTOMY
- 4268 OTHER ANTESTERNAL ESOPHAGEAL ANASTOMOSIS W/ INTERPOSITION
- 4269 OTHER ANTESTERNAL ANASTOMOSIS OF ESOPHAGUS
- 427 ESOPHAGOMYOTOMY

Other repair of esophagus

- 4281 INSERTION OF PERMANENT TUBE INTO ESOPHAGUS
- 4282 SUTURE OF LACERATION OF ESOPHAGUS
- 4283 CLOSURE OF ESOPHAGOSTOMY
- 4284 REPAIR OF ESOPHAGEAL FISTULA, NEC
- 4285 REPAIR OF ESOPHAGEAL STRICTURE
- 4286 PRODUCTION OF SUBCUTANEOUS TUNNEL W/O ESOPHAGEAL ANASTOMOSIS
- 4287 OTHER GRAFT OF ESOPHAGUS



**Iatrogenic Pneumothorax, Secondary Diagnosis Field (PSI 6 and 22)**

4289	OTHER REPAIR OF ESOPHAGUS
4465	ESOPHAGOGASTROPLASTY
4466	OTHER PROCEDURES FOR CREATION OF ESOPHAGOGASTRIC SPHINCTERIC COMPETENCE
8104	DORSAL AND DORSO-LUMBAR FUSION, ANTERIOR TECHNIQUE
8134	REFUSION OF DORSAL AND DORSOLUMBAR SPINE, ANTERIOR TECHNIQUE

*ICD-9-CM Lung or Pleural Biopsy procedure codes:*

3326	CLOSED [PERCUTANEOUS] [NEEDLE] BIOPSY OF LUNG
3328	OPEN BIOPSY OF LUNG
3424	PLEURAL BIOPSY

*Cardiac Surgery DRGs:*

103	HEART TRANSPLANT
104	CARDIAC VALVE AND OTHER MAJOR CARDIOTHORACIC PROCEDURES W/ CARDIAC CATHETERIZATION
105	CARDIAC VALVE AND OTHER MAJOR CARDIOTHORACIC PROCEDURES W/O CARDIAC CATHETERIZATION
106	CORONARY BYPASS W/ PTCA
107	CORONARY BYPASS W/ CARDIAC CATHETERIZATION
108	OTHER CARDIOTHORACIC PROCEDURES
109	CORONARY BYPASS W/O CARDIAC CATHETERIZATION
110	MAJOR CARDIOVASCULAR PROCEDURES W/ CC
111	MAJOR CARDIOVASCULAR PROCEDURES W/O CC
525	HEART ASSIST SYSTEM IMPLANT (OCT 02)
547	CORONARY BYPASS W CARDIAC CATH W MAJOR CV DX OCT05-
548	CORONARY BYPASS W CARDIAC CATH W/O MAJOR CV DX OCT05-
549	CORONARY BYPASS W/O CARDIAC CATH W MAJOR CV DX OCT05-
550	CORONARY BYPASS W/O CARDIAC CATH W/O MAJOR CV DX OCT05-

**Selected Infections Due to Medical Care, Secondary Diagnosis Field (PSI 7 and 23)**

**Numerator:**

Discharges with ICD-9-CM code of 999.3, 999.31 or 996.62 in any secondary diagnosis field among cases meeting the inclusion and exclusion rules for the denominator.

**Denominator:**

All surgical and medical discharges, 18 years and older or MDC 14 (pregnancy, childbirth, and puerperium), defined by specific DRGs

See [Appendix B: Surgical Discharge DRGs](#)

See [Appendix F: Medical Discharge DRGs](#)

**Exclude cases:**

- with ICD-9-CM code of 999.3 or 996.62 in the principal diagnosis field or secondary diagnosis present on admission, if known
- with length of stay less than 2 days
- with any code for immunocompromised state or cancer
- with cancer DRG

See [Appendix D: ICD-9-CM Codes for Immunocompromised States](#)

**Selected Infections Due to Medical Care, Secondary Diagnosis Field (PSI 7 and 23)**

See [Appendix E: Cancer Codes](#)

See [Appendix Q: Cancer DRGs](#)

Control-click (Word) or click (PDF) to view an Appendix. Links are provided to return to the PSI detailed definition.

**Postoperative Hip Fracture (PSI 8)**

**Numerator:**

Discharges with ICD-9-CM code for hip fracture in any secondary diagnosis field among cases meeting the inclusion and exclusion rules for the denominator.

*ICD-9-CM Hip Fracture diagnosis codes (includes all 5<sup>th</sup> digits):*

82000	FX FEMUR INTRCAPS NOS-CL
82001	FX UP FEMUR EPIPHY-CLOS
82002	FX FEMUR, MIDCERVIC-CLOS
82003	FX BASE FEMORAL NCK-CLOS
82009	FX FEMUR INTRCAPS NEC-CL
82010	FX FEMUR INTRCAP NOS-OPN
82011	FX UP FEMUR EPIPHY-OPEN
82012	FX FEMUR, MIDCERVIC-OPEN
82013	FX BASE FEMORAL NCK-OPEN
82019	FX FEMUR INTRCAP NEC-OPN
82020	TROCHANTERIC FX NOS-CLOS
82021	INTERTROCHANTERIC FX-CL
82022	SUBTROCHANTERIC FX-CLOSE
82030	TROCHANTERIC FX NOS-OPEN
82031	INTERTROCHANTERIC FX-OPN
82032	SUBTROCHANTERIC FX-OPEN
8208	UNSPECIFIED PART OF NECK OF FEMUR, CLOSED
8209	UNSPECIFIED PART OF NECK OF FEMUR, OPEN

**Denominator:**

All surgical discharges age 18 and older defined by specific DRGs and an ICD-9-CM code for an operating room procedure.

See [Appendix A: Operating Room Procedure Codes](#)

See [Appendix B: Surgical Discharge DRGs](#)

Control-click (Word) or click (PDF) to view the Appendix. Links are provided to return to the PSI detailed definition.

**Exclude cases:**

- with ICD-9-CM code for hip fracture (see Numerator) in the principal diagnosis field or secondary diagnosis present on admission, if known
- where the only operating room procedure is hip fracture repair
- where a procedure for hip fracture repair occurs before or on the same day as the first operating room procedure  
*Note: If day of procedure is not available in the input data file, the rate may be slightly lower than if the information was available*
- with diseases and disorders of the musculoskeletal system and connective tissue (MDC 8)
- with principal diagnosis (or secondary diagnosis present on admission, if known) of seizure,

## Postoperative Hip Fracture (PSI 8)

syncope, stroke, coma, cardiac arrest, poisoning, trauma, delirium and other psychoses, or anoxic brain injury

- with any diagnosis of metastatic cancer, lymphoid malignancy or bone malignancy, or self-inflicted injury
- MDC14 (pregnancy, childbirth, and puerperium)

See [Appendix C: ICD-9-CM Trauma Diagnosis Codes](#)

See [Appendix J: Trauma DRGs](#)

See [Appendix L: Self-Inflicted Injury Diagnosis Codes](#)

Control-click (Word) or click (PDF) to view an Appendix. Links are provided to return to the PSI detailed definition.

### *ICD-9-CM Hip Fracture Repair procedure codes:*

7855	INTERNAL FIXATION-FEMUR
7915	CLOSED RED-INT FIX FEMUR
7925	OPEN REDUCTION-FEMUR FX
7935	OPEN REDUC-INT FIX FEMUR
8151	TOTAL HIP REPLACEMENT
8152	PARTIAL HIP REPLACEMENT

### *ICD-9-CM Seizure diagnosis codes:*

34500	GENERALIZED NONCONVULSIVE EPILEPSY – W/O MENTION OF INTRACTABLE EPILEPSY
34501	GENERALIZED NONCONVULSIVE EPILEPSY – W/ INTRACTABLE EPILEPSY
34510	GENERALIZED CONVULSIVE EPILEPSY – W/O MENTION OF INTRACTABLE EPILEPSY
34511	GENERALIZED CONVULSIVE EPILEPSY – W/ INTRACTABLE EPILEPSY
3452	EPILEPSY – PETIT MAL STATUS
3453	EPILEPSY – GRAND MAL STATUS
34540	PARTIAL EPILEPSY, W/ IMPAIRMENT OF CONSCIOUSNESS – W/O INTRACTABLE EPILEPSY
34541	PARTIAL EPILEPSY, W/ IMPAIRMENT OF CONSCIOUSNESS – W/ MENTION OF INTRACTABLE EPILEPSY
34550	PARTIAL EPILEPSY, W/O MENTION OF IMPAIRMENT OF CONSCIOUSNESS – W/O MENTION OF INTRACTABLE EPILEPSY
34551	PARTIAL EPILEPSY, W/O MENTION OF IMPAIRMENT OF CONSCIOUSNESS – W/ INTRACTABLE EPILEPSY
34560	INFANTILE SPASMS – W/O MENTION OF INTRACTABLE EPILEPSY
34561	INFANTILE SPASMS – W/ INTRACTABLE EPILEPSY
34570	EPILEPSIA PARTIALIS CONTINUA – W/O MENTION OF INTRACTABLE EPILEPSY
34571	EPILEPSIA PARTIALIS CONTINUA – W/ INTRACTABLE EPILEPSY
34580	OTHER FORMS OF EPILEPSY – W/O MENTION OF INTRACTABLE EPILEPSY
34581	OTHER FORMS OF EPILEPSY – W/ INTRACTABLE EPILEPSY
34590	EPILEPSY, UNSPECIFIED – W/O MENTION OF INTRACTABLE EPILEPSY
34591	EPILEPSY, UNSPECIFIED – W/ INTRACTABLE EPILEPSY
7803	CONVULSIONS
78031	FEBRILE CONVULSIONS
78032	COMPLX FEBRILE CONVULSIONS OCT06-
78039	OTHER CONVULSIONS
7803	CONVULSIONS (OLD CODE NO LONGER VALID)

### *ICD-9-CM Syncope diagnosis codes:*

7802	SYNCOPE AND COLLAPSE
------	----------------------

### *ICD-9-CM Stroke diagnosis codes:*

**Postoperative Hip Fracture (PSI 8)**

- 430 SUBARACHNOID HEMORRHAGE
- 431 INTRACEREBRAL HEMORRHAGE
- 4320 NONTRAUMATIC EXTRADURAL HEMORRHAGE
- 4321 SUBDURAL HEMORRHAGE
- 4329 UNSPECIFIED INTRACRANIAL HEMORRHAGE
- 436 ACUTE, BUT ILL-DEFINED CEREBROVASCULAR DISEASE
- 99702 POSTOPERATIVE CEREBROVASCULAR ACCIDENT

Occlusion and stenosis of precerebral arteries:

- 43301 BASILAR ARTERY, W/ CEREBRAL INFARCTION
- 43311 CAROTID ARTERY, W/ CEREBRAL INFARCTION
- 43321 VERTEBRAL ARTERY - W/ CEREBRAL INFARCTION
- 43331 MULTIPLE AND BILATERAL W/ CEREBRAL INFARCTION
- 43381 OTHER SPECIFIED PRECEREBRAL ARTERY W/ CEREBRAL INFARCTION
- 43391 OCCLUSION AND STENOSIS OF PRECEREBRAL ARTERIES, UNSPECIFIED PRECEREBRAL ARTERY W/ CEREBRAL INFARCTION

Occlusion of cerebral arteries:

- 43401 CEREBRAL THROMBOSIS – W/ CEREBRAL INFARCTION
- 43411 CEREBRAL EMBOLISM – W/ CEREBRAL INFARCTION
- 43491 CEREBRAL ARTERY OCCLUSION, UNSPECIFIED - W/ CEREBRAL INFARCTION

*ICD-9-CM Coma diagnosis codes:*

- 25020 DIABETES W/ HYPEROSMOLARITY, TYPE 2 [NONINSULIN DEPENDENT TYPE][NIDDM TYPE][ADULT-ONSET] OR UNSPECIFIED TYPE, NOT STATED AS UNCONTROLLED
- 25021 DIABETES W/ HYPEROSMOLARITY, TYPE 1 [INSULIN DEPENDENT TYPE][IDDM-TYPE] [JUVENILE TYPE], NOT STATED AS UNCONTROLLED
- 25022 DIABETES W/ HYPEROSMOLARITY, TYPE 2
- 25023 DIABETES MELLITUS, DIABETES W/ HYPEROSMOLARITY, TYPE 1 [INSULIN DEPENDENT TYPE][IDDM-TYPE][JUVENILE TYPE] UNCONTROLLED
- 25030 DIABETES W/ OTHER COMA, TYPE 2 NOT STATED AS UNCONTROLLED
- 25031 DIABETES W/ OTHER COMA, TYPE 1 NOT STATED AS UNCONTROLLED
- 25032 DIABETES MELLITUS, DIABETES W/ OTHER COMA, TYPE 2 UNCONTROLLED
- 25033 DIABETES MELLITUS, DIABETES W/ OTHER COMA, TYPE 1 UNCONTROLLED
- 2510 OTHER DISORDERS OF PANCREATIC INTERNAL SECRETION, HYPOGLYCEMIC COMA
- 5722 LIVER ABSCESS AND SEQUELAE OF CHRONIC LIVER DISEASE, HEPATIC COMA
- 78001 GENERAL SYMPTOMS, ALTERATION OF CONSCIOUSNESS, COMA
- 78003 GENERAL SYMPTOMS, ALTERATION OF CONSCIOUSNESS PERSISTENT VEGETATIVE STATE

*ICD-9-CM Cardiac Arrest diagnosis code:*

- 4275 CARDIAC ARREST

*ICD-9-CM Poisoning diagnosis codes (includes 4<sup>th</sup> and 5<sup>th</sup> digits):*

- 960 POISONING BY ANTIBIOTICS
- 961 POISONING BY OTHER ANTI-INFECTIVES
- 962 POISONING BY HORMONES AND SYNTHETIC SUBSTITUTES
- 963 POISONING BY PRIMARILY SYSTEMIC AGENTS
- 964 POISONING BY AGENTS PRIMARILY AFFECTING BLOOD CONSTITUENTS
- 965 POISONING BY ANALGESICS, ANTIPYRETICS, AND ANTIRHEUMATICS
- 966 POISONING BY ANTICONVULSANTS AND ANTI-PARKINSONISM DRUGS
- 967 POISONING BY SEDATIVES AND HYPNOTICS
- 968 POISONING BY OTHER CENTRAL NERVOUS SYSTEM DEPRESSANTS AND ANESTHETICS
- 969 POISONING BY PSYCHOTROPIC AGENTS

**Postoperative Hip Fracture (PSI 8)**

- 970 POISONING BY CENTRAL NERVOUS SYSTEM STIMULANTS
- 971 POISONING BY DRUGS PRIMARILY AFFECTING THE AUTONOMIC NERVOUS SYSTEM
- 972 POISONING BY AGENTS PRIMARILY AFFECTING THE CARDIOVASCULAR SYSTEM
- 973 POISONING BY AGENTS PRIMARILY AFFECTING THE GASTROINTESTINAL SYSTEM
- 974 POISONING BY WATER, MINERAL, AND URIC ACID METABOLISM DRUGS
- 975 POISONING BY AGENTS PRIMARILY ACTING ON THE SMOOTH AND SKELETAL MUSCLES AND RESPIRATORY SYSTEM
- 976 POISONING BY AGENTS PRIMARILY AFFECTING SKIN AND MUCOUS MEMBRANE, OPHTHAMOLOGICAL, OTORHINOLARYNGOLOGICAL AND DENTAL DRUGS
- 977 POISONING BY OTHER AND UNSPECIFIED DRUGS AND MEDICINAL SUBSTANCES
- 978 POISONING BY BACTERIAL VACCINES
- 979 POISONING BY OTHER VACCINES AND BIOLOGICAL SUBSTANCES
- E850 ACCIDENTAL POISONING BY ANALGESICS, ANTIPYRETICS, AND ANTIRHEUMATICS
- E851 ACCIDENTAL POISONING BY BARBITURATES
- E852 ACCIDENTAL POISONING BY OTHER SEDATIVES AND HYPNOTICS
- E853 ACCIDENTAL POISONING BY TRANQUILIZERS
- E854 ACCIDENTAL POISONING BY OTHER PSYCHOTROPIC AGENTS
- E855 ACCIDENTAL POISONING BY OTHER DRUGS ACTING ON CENTRAL AND AUTONOMIC NERVOUS SYSTEM
- E856 ACCIDENTAL POISONING BY ANTIBIOTICS
- E857 ACCIDENTAL POISONING BY OTHER ANTI-INFECTIVES
- E858 ACCIDENTAL POISONING BY OTHER DRUGS
- E860 ACCIDENTAL POISONING BY ALCOHOL, NEC
- E861 ACCIDENTAL POISONING BY CLEANING AND POLISHING AGENTS, DISINFECTANTS, PAINTS, AND VARNISHES
- E862 ACCIDENTAL POISONING BY PETROLEUM PRODUCTS, OTHER SOLVENTS AND THEIR VAPORS, NEC
- E863 ACCIDENTAL POISONING BY AGRICULTURAL AND HORTICULTURAL CHEMICAL AND PHARMACEUTICAL PREPARATIONS OTHER THAN PLANT FOODS AND FERTILIZERS
- E864 ACCIDENTAL POISONING BY CORROSIVES AND CAUSTICS, NEC
- E865 ACCIDENTAL POISONING FROM POISONOUS FOODSTUFFS AND POISONOUS PLANTS
- E866 ACCIDENTAL POISONING BY OTHER AND UNSPECIFIED SOLID AND LIQUID SUBSTANCES
- E867 ACCIDENTAL POISONING BY GAS DISTRIBUTED BY PIPELINE
- E868 ACCIDENTAL POISONING BY OTHER UTILITY GAS AND OTHER CARBON MONOXIDE
- E869 ACCIDENTAL POISONING BY OTHER GASES AND VAPORS
- E951 SUICIDE AND SELF-INFLICTED POISONING BY GASES IN DOMESTIC USE
- E952 SUICIDE AND SELF-INFLICTED POISONING BY OTHER GASES AND VAPORS
- E962 ASSAULT BY POISONING
- E980 POISONING BY SOLID OR LIQUID SUBSTANCES, UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED
- E981 POISONING BY GASES IN DOMESTIC USE, UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED
- E982 POISONING BY OTHER GASES, UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED

*ICD-9-CM Delirium and Other Psychoses diagnosis codes (includes 4<sup>th</sup> and 5<sup>th</sup> digits):*

- 290 SENILE AND PRESENILE ORGANIC PSYCHOTIC CONDITIONS
- 291 ALCOHOLIC PSYCHOSES
- 292 DRUG PSYCHOSES
- 29285 DRUG INDUCED SLEEP DISORDERS OCT05-
- 293 TRANSIENT ORGANIC PSYCHOTIC CONDITIONS
- 294 OTHER ORGANIC PSYCHOTIC CONDITIONS
- 295 SCHIZOPHRENIC DISORDERS
- 296 AFFECTIVE PSYCHOSES
- 297 PARANOID STATES
- 298 OTHER NONORGANIC PSYCHOSES
- 299 PSYCHOSES W/ ORIGIN SPECIFIC TO CHILDHOOD



**Postoperative Hip Fracture (PSI 8)**

*ICD-9-CM Anoxic Brain Injury diagnosis code:*

3481 ANOXIC BRAIN DAMAGE

*ICD-9-CM Metastatic Cancer diagnosis codes (includes 4<sup>th</sup> and 5<sup>th</sup> digits):*

196 SECONDARY AND UNSPECIFIED MALIGNANT NEOPLASM OF LYMPH NODES  
 197 SECONDARY MALIGNANT NEOPLASM OF RESPIRATORY AND DIGESTIVE SYSTEMS  
 198 SECONDARY MALIGNANT NEOPLASM OF OTHER SPECIFIED SITES  
 1990 MALIGNANT NEOPLASM W/O SPECIFICATION OF SITE, DISSEMINATED

*ICD-9-CM Lymphoid Malignancy diagnosis codes (includes 4<sup>th</sup> and 5<sup>th</sup> digits):*

200 LYMPHOSARCOMA AND RETICULOSARCOMA  
 201 HODGKIN'S DISEASE  
 202 OTHER MALIGNANT NEOPLASMS OF LYMPHOID AND HISTIOCYTIC TISSUE  
 203 MULTIPLE MYELOMA AND IMMUNOPROLIFERATIVE NEOPLASMS  
 204 LYMPHOID LEUKEMIA  
 205 MYELOID LEUKEMIA  
 206 MONOCYTIC LEUKEMIA  
 207 OTHER SPECIFIED LEUKEMIA  
 208 LEUKEMIA OF UNSPECIFIED CELL TYPE

*ICD-9-CM Bone Malignancy diagnosis code (includes 4<sup>th</sup> and 5<sup>th</sup> digits):*

170 MALIGNANT NEOPLASM OF BONE AND ARTICULAR CARTILAGE

**Postoperative Hemorrhage or Hematoma (PSI 9 and 27)**

**Numerator:**

Discharges among cases meeting the inclusion and exclusion rules for the denominator with the following:

- ICD-9-CM code for postoperative hemorrhage or postoperative hematoma in any secondary diagnosis field

AND

- ICD-9-CM code for postoperative control of hemorrhage or for drainage of hematoma in any procedure code field.

*ICD-9-CM Postoperative Hemorrhage diagnosis code:*

99811 HEMORRHAGE COMPLICATING A PROCEDURE

*ICD-9-CM Postoperative Hematoma diagnosis code:*

99812 HEMATOMA COMPLICATING A PROCEDURE

*ICD-9-CM Control of Postoperative Hemorrhage procedure codes:*

287 CONTROL OF HEMORRHAGE AFTER TONSILLECTOMY AND ADENOIDECTOMY  
 3880 OTHER SURGICAL OCCLUSION OF UNSPECIFIED SITE  
 3881 OTHER SURGICAL OCCLUSION OF INTRACRANIAL VESSELS  
 3882 OTHER SURGICAL OCCLUSION OF OTHER VESSELS OF HEAD AND NECK

**Postoperative Hemorrhage or Hematoma (PSI 9 and 27)**

3883	OTHER SURGICAL OCCLUSION OF UPPER LIMB VESSELS
3884	OTHER SURGICAL OCCLUSION OF AORTA, ABDOMINAL
3885	OTHER SURGICAL OCCLUSION OF THORACIC VESSEL
3886	OTHER SURGICAL OCCLUSION OF ABDOMINAL ARTERIES
3887	OTHER SURGICAL OCCLUSION OF ABDOMINAL VEINS
3888	OTHER SURGICAL OCCLUSION OF LOWER LIMB ARTERIES
3889	OTHER SURGICAL OCCLUSION OF LOWER LIMB VEINS
3941	CONTROL OF HEMORRHAGE FOLLOWING VASCULAR SURGERY
3998	CONTROL OF HEMORRHAGE NOS
4995	CONTROL OF (POSTOPERATIVE) HEMORRHAGE OF ANUS
5793	CONTROL OF (POSTOPERATIVE) HEMORRHAGE OF BLADDER
6094	CONTROL OF (POSTOPERATIVE) HEMORRHAGE OF PROSTATE

*ICD-9-CM Drainage of Hematoma procedure codes:*

1809	OTHER INCISION OF EXTERNAL EAR
540	INCISION OF ABDOMINAL WALL
5412	REOPENING OF RECENT LAPAROTOMY SITE
5919	OTHER INCISION OF PERIVESICLE TISSUE
610	INCISION AND DRAINAGE OF SCROTUM AND TUNICA AND VAGINALIS
6998	OTHER OPERATIONS ON SUPPORTING STRUCTURES OF UTERUS
7014	OTHER VAGINOTOMY
7109	OTHER INCISION OF VULVA AND PERINEUM
7591	EVACUATION OF OBSTETRICAL INCISIONAL HEMATOMA OF PERINEUM
7592	EVACUATION OF OTHER HEMATOMA OF VULVA OR VAGINA
8604	OTHER INCISION W/ DRAINAGE OF SKIN AND SUBCUTANEOUS TISSUE

**Denominator:**

All surgical discharges 18 years and older defined by specific DRGs and an ICD-9-CM code for an operating room procedure.

See [Appendix A: Operating Room Procedure Codes](#)

See [Appendix B: Surgical Discharge DRGs](#)

Control-click (Word) or click (PDF) to view an Appendix. Links are provided to return to the PSI detailed definition.

**Exclude cases:**

- with preexisting condition (principal diagnosis or secondary diagnosis present on admission, if known) of postoperative hemorrhage or postoperative hematoma
  - where the only operating room procedure is postoperative control of hemorrhage or drainage of hematoma.
  - where a procedure for postoperative control of hemorrhage or drainage of hematoma occurs before the first operating room procedure.
- Note: If day of procedure is not available in the input data file, the rate may be slightly lower than if the information was available.*
- MDC 14 (pregnancy, childbirth, and puerperium).

**Postoperative Physiologic and Metabolic Derangement (PSI 10)**

**Numerator:**

Discharges among cases meeting the inclusion and exclusion rules for the denominator with ICD-9-CM codes for physiologic and metabolic derangements in any secondary diagnosis field.

Discharges with acute renal failure (subgroup of physiologic and metabolic derangements) must be

**Postoperative Physiologic and Metabolic Derangement (PSI 10)**

accompanied by a procedure code for dialysis (39.95, 54.98).

*ICD-9-CM Physiologic and Metabolic Derangements diagnosis codes:*

Diabetes with ketoacidosis:

25010 TYPE 2, OR UNSPECIFIED TYPE, NOT STATED AS UNCONTROLLED  
 25011 TYPE 1 NOT STATED AS UNCONTROLLED  
 25012 TYPE 2, OR UNSPECIFIED TYPE, UNCONTROLLED  
 25013 TYPE 1 UNCONTROLLED

Acute renal failure:

5845 W/ LESION OF TUBULAR NECROSIS  
 5846 W/ LESION OF RENAL CORTICAL NECROSIS  
 5847 W/ LESION OF RENAL MEDULLARY [PAPILLARY] NECROSIS  
 5848 W/ OTHER SPECIFIED PATHOLOGICAL LESION IN KIDNEY  
 5849 ACUTE RENAL FAILURE, UNSPECIFIED  
 586 ACUTE RENAL FAILURE, UNSPECIFIED-OCT05  
 9975 URINARY COMPLICATIONS-OCT05

Diabetes with hyperosmolarity:

25020 TYPE 2, OR UNSPECIFIED TYPE, NOT STATED AS UNCONTROLLED  
 25021 TYPE 1 NOT STATED AS UNCONTROLLED  
 25022 TYPE 2, OR UNSPECIFIED TYPE, UNCONTROLLED  
 25023 TYPE 1 UNCONTROLLED

Diabetes with other coma:

25030 TYPE 2, OR UNSPECIFIED TYPE, NOT STATED AS UNCONTROLLED  
 25031 TYPE 1 NOT STATED AS UNCONTROLLED  
 25032 TYPE 2, OR UNSPECIFIED TYPE, UNCONTROLLED  
 25033 TYPE 1 UNCONTROLLED

**Denominator:**

All elective\* surgical discharges 18 years and older defined by specific DRGs and an ICD-9-CM code for an operating room procedure.

See [Appendix A: Operating Room Procedure Codes](#)  
 See [Appendix B: Surgical Discharge DRGs](#)

\*Elective - SID Admission type # is recorded as elective (Admission Type = 3)

Exclude cases:

- with preexisting condition (principal diagnosis or secondary diagnosis present on admission, if known) of physiologic and metabolic derangements (see Numerator) or chronic renal failure
- with acute renal failure (see Numerator) where a procedure for dialysis occurs **before or on the same day** as the first operating room procedure.  
*Note: If day of procedure is not available in the input data file, the rate may be slightly lower than if the information was available.*
- with both a diagnosis code of ketoacidosis, hyperosmolarity, or other coma (subgroups of physiologic and metabolic derangements coding) **and** a principal diagnosis of diabetes.
- with both a secondary diagnosis code for acute renal failure (subgroup of physiologic and metabolic derangements coding) **and** a principal diagnosis of acute myocardial infarction, cardiac arrhythmia, cardiac arrest, shock, hemorrhage, or gastrointestinal hemorrhage.
- MDC 14 (pregnancy, childbirth and the puerperium)

### Postoperative Physiologic and Metabolic Derangement (PSI 10)

See [Appendix M: Acute Myocardial Infarction \(AMI\) Diagnosis Codes](#)  
See [Appendix N: Cardiac Arrhythmia Diagnosis Codes](#)  
See [Appendix H: Shock Diagnosis Codes](#)  
See [Appendix G: Hemorrhage Diagnosis Codes](#)  
See [Appendix I: ICD-9-CM Gastrointestinal \(GI\) Hemorrhage Diagnosis Codes](#)

Control-click (Word) or click (PDF) to view an Appendix. Links are provided to return to the PSI detailed definition.

#### *ICD-9-CM Chronic Renal Failure diagnosis code:*

40301 MAL HYP KIDNEY W CHR KID  
40311 BEN HYP KIDNEY W CHR KID  
40391 HYP KIDNEY NOS W CHR KID  
40402 MAL HY HRT/KID W CHR KID  
40403 MAL HYP HRT/KID W HF/KID  
40412 BEN HYP HT/KID W CHR KID  
40413 BEN HYP HT/KID W HF/KID  
40492 HYP HT/KID NOS W CHR KID  
40493 HYP HRT/KID NOS W HF/KID  
585 CHRONIC RENAL FAILURE  
5855 CHRON KIDNEY DIS STAGE V  
5856 END STAGE RENAL DISEASE

#### *ICD-9-CM Diabetes diagnosis codes (includes 4<sup>th</sup> and 5<sup>th</sup> digits):*

2500 DIABETES MELLITUS W/O MENTION OF COMPLICATION  
2501 DIABETES W/ KETOACIDOSIS  
2502 DIABETES W/ HYPEROSMOLARITY  
2503 DIABETES W/ OTHER COMA  
2504 DIABETES W/ RENAL MANIFESTATIONS  
2505 DIABETES W/ OPHTHALMIC MANIFESTATIONS  
2506 DIABETES W/ NEUROLOGICAL MANIFESTATIONS  
2507 DIABETES W/ PERIPHERAL CIRCULATORY DISORDERS  
2508 DIABETES W/ OTHER SPECIFIED MANIFESTATIONS  
2509 DIABETES W/ OTHER UNSPECIFIED COMPLICATIONS

#### *Cardiac Arrhythmia DRGs:*

138 CARDIAC ARRHYTHMIA AND CONDUCTION DISORDERS W/ CC  
139 CARDIAC ARRHYTHMIA AND CONDUCTION DISORDERS W/O CC

#### *ICD-9-CM Cardiac Arrest diagnosis code:*

4275 CARDIAC ARREST

### Postoperative Respiratory Failure (PSI 11)

#### **Numerator:**

Discharges among cases meeting the inclusion and exclusion rules for the denominator with ICD-9-CM codes for acute respiratory failure (518.81) in any secondary diagnosis field. (After 1999, include 518.84).

**OR**

Discharges among cases meeting the inclusion and exclusion rules for the denominator with ICD-9-CM codes for reintubation procedure as follows:

**Postoperative Respiratory Failure (PSI 11)**

- (96.04) one or more days after the major operating room procedure code
- (96.70 or 96.71) two or more days after the major operating room procedure code
- (96.72) zero or more days after the major operating room procedure code

**Denominator:**

All elective\* surgical discharges age 18 and older defined by specific DRGs and an ICD-9-CM code for an operating room procedure.

See [Appendix A: Operating Room Procedure Codes](#)

See [Appendix B: Surgical Discharge DRGs](#)

Control-click (Word) or click (PDF) to view an Appendix. Links are provided to return to the PSI detailed definition.

\*Elective - SID Admission type # is recorded as elective (Admission Type = 3)

**Exclude cases:**

- with preexisting (principal diagnosis or secondary diagnosis present on admission, if known) acute respiratory failure
- with ICD-9-CM diagnosis code of neuromuscular disorder
- where a procedure for tracheostomy is the only operating room procedure.
- where a procedure for tracheostomy occurs before the first operating room procedure.  
*Note: If day of procedure is not available in the input data file, the rate may be slightly lower than if the information was available.*
- MDC 14 (pregnancy, childbirth, and puerperium)
- MDC 4 (diseases/disorders of respiratory system)
- MDC 5 (diseases/disorders of circulatory system)

*ICD-9-CM Tracheostomy procedure codes:*

3121 MEDIASTINAL TRACHEOSTOMY  
 3129 OTHER PERM TRACHEOSTOMY  
 3174 REVISION OF TRACHEOSTOMY

*ICD-9-CM Neuromuscular Disorder codes:*

3570 AC INFECT POLYNEURITIS  
 35800 MYSTHNA GRVS W/O AC EXAC  
 35801 MYASTHNA GRAVS W AC EXAC  
 3581 MYASTHENIA IN OTH DIS  
 3582 TOXIC MYONEURAL DISORDER  
 3588 MYONEURAL DISORDERS NEC  
 3589 MYONEURAL DISORDERS NOS  
 3590 CONG HERED MUSC DYSTRPHY  
 3591 HERED PROG MUSC DYSTRPHY  
 3592 MYOTONIC DISORDERS  
 35922 MYOTONIA CONGENITA  
 35923 MYOTONIC CHONDRODYSTRPHY  
 3593 FAMIL PERIODIC PARALYSIS  
 3594 TOXIC MYOPATHY  
 3595 MYOPATHY IN ENDOCRIN DIS  
 3596 INFL MYOPATHY IN OTH DIS  
 35981 CRITICAL ILLNESS MYOPHTY  
 35989 MYOPATHIES NEC  
 3599 MYOPATHY NOS



### Postoperative Pulmonary Embolism or Deep Vein Thrombosis (PSI 12)

**Numerator:**

Discharges among cases meeting the inclusion and exclusion rules for the denominator with ICD-9-CM codes for deep vein thrombosis or pulmonary embolism in any secondary diagnosis field

See [Appendix K: Pulmonary Embolism/Deep Vein Thrombosis Diagnosis Codes](#)

**Denominator:**

All surgical discharges age 18 and older defined by specific DRGs and an ICD-9-CM code for an operating room procedure (Appendix C).

See [Appendix A: Operating Room Procedure Codes](#)

See [Appendix B: Surgical Discharge DRGs](#)

**Exclude cases:**

- with preexisting (principal diagnosis or secondary diagnosis present on admission, if known) deep vein thrombosis or pulmonary embolism
- where a procedure for interruption of vena cava is the only operating room procedure
- where a procedure for interruption of vena cava occurs before or on the same day as the first operating room procedure

*Note: If day of procedure is not available in the input data file, the rate may be slightly lower than if the information was available.*

- MDC 14 (pregnancy, childbirth, and puerperium)

See [Appendix K: Pulmonary Embolism/Deep Vein Thrombosis Diagnosis Codes](#)

Control-click (Word) or click (PDF) to view an Appendix. Links are provided to return to the PSI detailed definition.

*ICD-9-CM Interruption Of Vena Cava procedure code:*

387 INTERRUPTION OF VENA CAVA

### Postoperative Sepsis (PSI 13)

**Numerator:**

Discharges among cases meeting the inclusion and exclusion rules for the denominator with ICD-9-CM code for sepsis in any secondary diagnosis field.

See [Appendix O: Sepsis Diagnosis Codes](#)

**Denominator:**

All elective\* surgical discharges age 18 and older defined by specific DRGs and an ICD-9-CM code for an operating room procedure.

See [Appendix A: Operating Room Procedure Codes](#)

See [Appendix B: Surgical Discharge DRGs](#)

\*Elective - SID Admission type # is recorded as elective (Admission Type = 3)

Control-click (Word) or click (PDF) to view an Appendix. Links are provided to return to the PSI detailed definition.

**Postoperative Sepsis (PSI 13)**

Exclude cases:

- with preexisting (principal diagnosis or secondary diagnosis present on admission, if known) sepsis or infection
- with any code for immunocompromised state or cancer
- MDC 14 (pregnancy, childbirth, and puerperium)
- with length of stay of less than 4 days

See [Appendix O: Sepsis Diagnosis Codes](#)

See [Appendix P: Infection Diagnosis Codes and DRGs](#)

See [Appendix D: ICD-9-CM Codes for Immunocompromised States](#)

See [Appendix E: Cancer Codes](#)

See [Appendix Q: Cancer DRGs](#)

Control-click (Word) or click (PDF) to view an Appendix. Links are provided to return to the PSI detailed definition.

**Postoperative Wound Dehiscence (PSI 14 and 24)**

**Numerator:**

Discharges among cases meeting the inclusion and exclusion rules for the denominator with ICD-9-CM code for reclosure of postoperative disruption of abdominal wall (54.61) in any procedure field.

**Denominator:**

All abdominopelvic surgical discharges age 18 and older.

*ICD-9-CM Abdominopelvic procedure codes:*

- 3804 INCISION OF AORTA
- 3806 INCISION OF ABDOMINAL ARTERIES
- 3807 INCISION OF ABDOMINAL VEINS
- 3814 ENDARTERECTOMY OF AORTA
- 3816 ENDARTERECTOMY OF ABDOMINAL ARTERIES
- 3834 RESECTION OF AORTA W/ ANASTOMOSIS
- 3836 RESECTION OF ABDOMINAL ARTERIES W/ ANASTOMOSIS
- 3837 RESECTION OF ABDOMINAL VEINS W/ ANASTOMOSIS
- 3844 RESECTION OF AORTA, ABDOMINAL W/ REPLACEMENT
- 3846 RESECTION OF ABDOMINAL ARTERIES W/ REPLACEMENT
- 3847 RESECTION OF ABDOMINAL VEINS W/ REPLACEMENT
- 3857 LIGATION AND STRIPPING OF VARICOSE VEINS, ABDOMINAL VEINS
- 3864 OTHER EXCISION OF AORTA, ABDOMINAL
- 3866 OTHER EXCISION OF ABDOMINAL ARTERIES
- 3867 OTHER EXCISION OF ABDOMINAL VEINS
- 3884 OTHER SURGICAL OCCLUSION OF AORTA, ABDOMINAL
- 3886 OTHER SURGICAL OCCLUSION OF ABDOMINAL ARTERIES
- 3887 OTHER SURGICAL OCCLUSION OF ABDOMINAL VEINS
- 391 INTRA-ABDOMINAL VENOUS SHUNT
- 3924 AORTA-RENAL BYPASS
- 3925 AORTA-ILIAC-FEMORAL BYPASS
- 3926 OTHER INTRA-ABDOMINAL VASCULAR SHUNT OR BYPASS
- 4052 RADICAL EXCISION OF PERIAORTIC LYMPH NODES
- 4053 RADICAL EXCISION OF ILIAC LYMPH NODES
- 412 SPLENOTOMY
- 4133 OPEN BIOPSY OF SPLEEN

**Postoperative Wound Dehiscence (PSI 14 and 24)**

4141	MARSUPIALIZATION OF SPLENIC CYST
4142	EXCISION OF LESION OR TISSUE OF SPLEEN
4143	PARTIAL SPLENECTOMY
415	TOTAL SPLENECTOMY
4193	EXCISION OF ACCESSORY SPLEEN
4194	TRANSPLANTATION OF SPLEEN
4195	REPAIR AND PLASTIC OPERATIONS ON SPLEEN
4199	OTHER OPERATIONS ON SPLEEN
4240	ESOPHAGECTOMY, NOS
4241	PARTIAL ESOPHAGECTOMY
4242	TOTAL ESOPHAGECTOMY
4253	INTRATHORACIC ESOPHAGEAL ANASTOMOSIS W/ INTERPOSITION OF SMALL BOWEL
4254	OTHER INTRATHORACIC ESOPHAGOENTEROSTOMY
4255	INTRATHORACIC ESOPHAGEAL ANASTOMOSIS W/ INTERPOSITION OF COLON
4256	OTHER INTRATHORACIC ESOPHAGOCOLOSTOMY
4263	ANTESTERNAL ESOPHAGEAL ANASTOMOSIS W/ INTERPOSITION OF SMALL BOWEL
4264	OTHER ANTESTERNAL ESOPHAGOENTEROSTOMY
4265	ANTESTERNAL ESOPHAGEAL ANASTOMOSIS W/ INTERPOSITION OF COLON
4266	OTHER ANTESTERNAL ESOPHAGOCOLOSTOMY
4291	LIGATION OF ESOPHAGEAL VARICES
430	GASTROTOMY
433	PYLOROMYOTOMY
4342	LOCAL EXCISION OF OTHER LESION OR TISSUE OF STOMACH
4349	OTHER DESTRUCTION OF LESION OR TISSUE OF STOMACH
435	PARTIAL GASTRECTOMY W/ ANASTOMOSIS TO ESOPHAGUS
436	PARTIAL GASTRECTOMY W/ ANASTOMOSIS TO DUODENUM
437	PARTIAL GASTRECTOMY W/ ANASTOMOSIS TO JEJUNUM
4381	PARTIAL GASTRECTOMY W/ JEJUNA TRANSPOSITION
4389	OTHER PARTIAL GASTRECTOMY
4391	TOTAL GASTRECTOMY W/ INTESTINAL INTERPOSITION
4399	OTHER TOTAL GASTRECTOMY
4400	VAGOTOMY, NOS
4401	TRUNCAL VAGOTOMY
4402	HIGHLY SELECTIVE VAGOTOMY
4403	OTHER SELECTIVE VAGOTOMY
4411	TRANSABDOMINAL GASTROSCOPY
4415	OPEN BIOPSY OF STOMACH
4421	DILATION OF PYLORUS BY INCISION
4429	OTHER PYLOROPLASTY
4431	HIGH GASTRIC BYPASS
4439	OTHER GASTROENTEROSTOMY
4440	SUTURE OF PEPTIC ULCER, NOS
4441	SUTURE OF GASTRIC ULCER SITE
4442	SUTURE OF DUODENAL ULCER SITE
445	REVISION OF GASTRIC ANASTOMOSIS
4461	SUTURE OF LACERATION OF STOMACH
4463	CLOSURE OF OTHER GASTRIC FISTULA
4464	GASTROPEXY
4465	ESOPHAGOGASTROPLASTY
4466	OTHER PROCEDURES FOR CREATION OF ESOPHAGOGASTRIC SPHINCTERIC COMPETENCE
4469	OTHER REPAIR OF STOMACH
4491	LIGATION OF GASTRIC VARICES
4492	INTRAOPERATIVE MANIPULATION OF STOMACH
4499**	GASTRIC OPERATION NEC (OCT 04)
4500	INCISION OF INTESTINE, NOS
4501	INCISION OF DUODENUM
4502	OTHER INCISION OF SMALL INTESTINE
4503	INCISION OF LARGE INTESTINE
4531	OTHER LOCAL EXCISION OF LESION OF DUODENUM
4532	OTHER DESTRUCTION OF LESION OF DUODENUM

**Postoperative Wound Dehiscence (PSI 14 and 24)**

4533	LOCAL EXCISION OF LESION OR TISSUE OF SMALL INTESTINE, EXCEPT DUODENUM
4534	OTHER DESTRUCTION OF LESION OF SMALL INTESTINE, EXCEPT DUODENUM
4541	EXCISION OF LESION OR TISSUE OF LARGE INTESTINE
4549	OTHER DESTRUCTION OF LESION OF LARGE INTESTINE
4550	ISOLATION OF INTESTINAL SEGMENT, NOS
4551	ISOLATION OF SEGMENT OF SMALL INTESTINE
4552	ISOLATION OF SEGMENT OF LARGE INTESTINE
4561	MULTIPLE SEGMENTAL RESECTION OF SMALL INTESTINE
4562	OTHER PARTIAL RESECTION OF SMALL INTESTINE
4563	TOTAL REMOVAL OF SMALL INTESTINE
4571	MULTIPLE SEGMENTAL RESECTION OF LARGE INTESTINE
4572	CESECTOMY
4573	RIGHT HEMICOLECTOMY
4574	RESECTION OF TRANSVERSE COLON
4575	LEFT HEMICOLECTOMY
4576	SIGMOIDECTOMY
4579	OTHER PARTIAL EXCISION OF LARGE INTESTINE
458	TOTAL INTRA-ABDOMINAL COLECTOMY
4590	INTESTINAL ANASTOMOSIS, NOS
4591	SMALL-TO-SMALL INTESTINAL ANASTOMOSIS
4592	ANASTOMOSIS OF SMALL INTESTINE TO RECTAL STUMP
4593	OTHER SMALL-TO-LARGE INTESTINAL ANASTOMOSIS
4594	LARGE-TO-LARGE INTESTINAL ANASTOMOSIS
4595	ANASTOMOSIS TO ANUS
4601	EXTERIORIZATION OF SMALL INTESTINE
4603	EXTERIORIZATION OF LARGE INTESTINE
4610	COLOSTOMY, NOS
4611	TEMPORARY COLOSTOMY
4613	PERMANENT COLOSTOMY
4620	ILEOSTOMY, NOS
4621	TEMPORARY ILESOSTOMY
4622	CONTINENT ILEOSTOMY
4623	OTHER PERMANENT ILEOSTOMY
4640	REVISION OF INTESTINA STOMA, NOS
4641	REVISION OF STOMA OF SMALL INTESTINE
4642	REPAIR OF PERICOLESTOMY HERNIA
4643	OTHER REVISION OF STOMA OF LARGE INTESTINE
4650	CLOSURE OF INTESTINAL STOMA, NOS
4651	CLOSURE OF STOMA OF SMALL INTESTINE
4652	CLOSURE OF STOMA OF LARGE INTESTINE
4660	FIXATION OF INTESTINE, NOS
4661	FIXATION OF SMALL INTESTINE TO ABDOMINAL WALL
4662	OTHER FIXATION OF SMALL INTESTINE
4663	FIXATION OF LARGE INTESTINE TO ABDOMINAL WALL
4664	OTHER FIXATION OF LARGE INTESTINE
4672	CLOSURE OF FISTULA OF DUODENUM
4674	CLOSURE OF FISTULA OF SMALL INTESTINE, EXCEPT DUODENUM
4676	CLOSURE OF FISTULA OF LARGE INTESTINE
4680	INTRA-ABDOMINAL MANIPULATION OF INTESTINE, NOS
4681	INTRA-ABDOMINAL MANIPULATION OF SMALL INTESTINE
4682	INTRA-ABDOMINAL MANIPULATION OF LARGE INTESTINE
4691	MYOTOMY OF SIGMOID COLON
4692	MYOTOMY OF OTHER PARTS OF COLON
4693	REVISION OF ANASTOMOSIS OF SMALL INTESTINE
4694	REVISION OF ANASTOMOSIS OF LARGE INTESTINE
4699	OTHER OPERATIONS ON INTESTINES
4709	OTHER APPENDECTOMY
4719	OTHER INCIDENTAL APPENDECTOMY
472	DRAINAGE OF APPENDICEAL ABSCESS
4791	APPENDECTOMY

**Postoperative Wound Dehiscence (PSI 14 and 24)**

4792	CLOSURE OF APPENDICEAL FISTULA
4799	OTHER OPERATIONS ON APPENDIX, OTHER
4841	SUBMUCOSAL RESECTION OF RECTUM
4849	OTHER PULL-THROUGH RESECTION OF RECTUM
485	ABDOMINOPERINEAL RESECTION OF RECTUM
4875	ABDOMINAL PROCTOPEXY
500	HEPATOTOMY
5012	OPEN BIOPSY OF LIVER
5021	MARSUPIALIZATION OF LESION OF LIVER
5022	PARTIAL HEPATECTOMY
5023	OPN ABLTN LIVER LES/TISS OCT06-
5026	ABLTN LIVER LES/TISS NEC OCT06-
5029	OTHER DESTRUCTION OF LESION OF LIVER
503	LOBECTOMY OF LIVER
504	TOTAL HEPATECTOMY
5051	AUXILIARY LIVER TRANSPLANT
5059	OTHER TRANSPLANT OF LIVER
5069	OTHER REPAIR OF LIVER
5103	OTHER CHOLECYSTOSTOMY
5104	OTHER CHOLECYSTOTOMY
5113	OPEN BIOPSY OF GALLBLADDER OR BILE DUCTS
5121	OTHER PARTIAL CHOLECYSTECTOMY
5122	CHOLECYSTECTOMY
5131	ANASTOMOSIS OF GALLBLADDER TO HEPATIC DUCTS
5132	ANASTOMOSIS OF GALLBLADDER TO INTESTINE
5133	ANASTOMOSIS OF GALLBLADDER TO PANCREAS
5134	ANASTOMOSIS OF GALLBLADDER TO STOMACH
5135	OTHER GALLBLADDER ANASTOMOSIS
5136	CHOLEDOCHOENTEROSTOMY
5137	ANASTOMOSIS OF HEPATIC DUCT TO GASTROINTESTINAL TRACT
5139	OTHER BILE DUCT ANASTOMOSIS
5141	COMMON DUCT EXPLORATION FOR REMOVAL OF CALCULUS
5142	COMMON DUCT EXPLORATION FOR RELIEF OF OTHER OBSTRUCTION
5143	INSERTION OF CHOLEDOCHOHEPATIC TUBE FOR DECOMPRESSION
5149	INCISION OF OTHER BILE DUCTS FOR RELIEF OF OBSTRUCTION
5151	EXPLORATION OF COMMON DUCT
5159	INCISION OF OTHER BILE DUCT
5161	EXCISION OF CYSTIC DUCT REMNANT
5162	EXCISION OF AMPULLA OF VATER W/ REIMPLANTATION OF COMMON DUCT
5163	OTHER EXCISION OF COMMON DUCT
5169	EXCISION OF OTHER BILE DUCT
5171	SIMPLE SUTURE OF COMMON BILE DUCT
5172	CHOLEDOCHOPLASTY
5179	REPAIR OF OTHER BILE DUCTS
5181	DILATION OF SPHINCTER OF ODDI
5182	PANCREATIC SPHINCTEROTOMY
5183	PANCREATIC SPHINCTEROPLASTY
5189	OTHER OPERATIONS ON SPHINCTER OF ODDI
5192	CLOSURE OF CHOLECYSTOSTOMY
5193	CLOSURE OF OTHER BILIARY FISTULA
5194	REVISION OF ANASTOMOSIS OF BILIARY TRACT
5195	REMOVAL OF PROSTHETIC DEVICE FROM BILE DUCT
5199	OTHER OPERATIONS ON BILIARY TRACT
5201	DRAINAGE OF PANCREATIC CYST BY CATHETER
5209	OTHER PANCREATOTOMY
5212	OPEN BIOPSY OF PANCREAS
5222	OTHER EXCISION OR DESTRUCTION OF LESION OR TISSUE OF PANCREAS OR PANCREATIC DUCT
523	MARSUPIALIZATION OF PANCREATIC CYST
524	INTERNAL DRAINAGE OF PANCREATIC CYST



**Postoperative Wound Dehiscence (PSI 14 and 24)**

5251	PROXIMAL PANCREATECTOMY
5252	DISTAL PANCREATECTOMY
5253	RADICAL SUBTOTAL PANCREATECTOMY
5259	OTHER PARTIAL PANCREATECTOMY
526	TOTAL PANCREATECTOMY
527	RADICAL PANCREATICODUODENECTOMY
5280	PANCREATIC TRANSPLANT, NOS
5281	REIMPLANTATION
5282	HOMOTRANSPLANT OF PANCREAS
5283	HETEROTRANSPLANT OF PANCREAS
5292	CANNULATION OF PANCREATIC DUCT
5295	OTHER REPAIR OF PANCREAS
5296	ANASTOMOSIS OF PANCREAS
5299	OTHER OPERATIONS ON PANCREAS
5300	UNILATERAL REPAIR OF INGUINAL HERNIA, NOS
5301	REPAIR OF DIRECT INGUINAL HERNIA
5302	REPAIR OF INDIRECT INGUINAL HERNIA
5303	REPAIR OF DIRECT INGUINAL HERNIA W/ GRAFT OR PROSTHESIS
5304	REPAIR OF INDIRECT INGUINAL HERNIA W/ GRAFT OR PROSTHESIS
5305	REPAIR OF INGUINAL HERNIA W/ GRAFT OR PROSTHESIS, NOS
5310	BILATERAL REPAIR OF INGUINAL HERNIA, NOS
5311	BILATERAL REPAIR OF DIRECT INGUINAL HERNIA
5312	BILATERAL REPAIR OF INDIRECT INGUINAL HERNIA
5313	BILATERAL REPAIR OF INGUINAL HERNIA, ONE DIRECT AND ONE INDIRECT
5314	BILATERAL REPAIR OF DIRECT INGUINAL HERNIA W/ GRAFT OR PROSTHESIS
5315	BILATERAL REPAIR OF INDIRECT INGUINAL HERNIA W/ GRAFT OR PROSTHESIS
5316	BILATERAL REPAIR OF INGUINAL HERNIA, ONE DIRECT AND ONE INDIRECT, W/ GRAFT OR PROSTHESIS
5317	BILATERAL INGUINAL HERNIA REPAIR W/ GRAFT OR PROSTHESIS, NOS
5321	UNILATERAL REPAIR OF FEMORAL HERNIA
5329	OTHER UNILATERAL FEMORAL HERNIORRHAPHY
5331	BILATERAL REPAIR OF FEMORAL HERNIA W/ GRAFT OR PROSTHESIS
5339	OTHER BILATERAL FEMORAL HERNIORRHAPHY
5341	REPAIR OF UMBILICAL HERNIA W/ PROSTHESIS
5349	OTHER UMBILICAL HERNIORRHAPHY
5351	INCISIONAL HERNIA REPAIR
5359	REPAIR OF OTHER HERNIA OF ANTERIOR ABDOMINAL WALL
5361	INCISIONAL HERNIA REPAIR W/ PROSTHESIS
5369	REPAIR OF OTHER HERNIA OF ANTERIOR ABDOMINAL WALL W/ PROSTHESIS
537	REPAIR OF DIAPHRAGMATIC HERNIA, ABDOMINAL APPROACH
540	INCISION OF ABDOMINAL WALL
5411	EXPLORATORY LAPAROTOMY
5419	OTHER LAPAROTOMY
5422	BIOPSY OF ABDOMINAL WALL OR UMBILICUS
5423	BIOPSY OF ABDOMINAL WALL OR UMBILICUS
543	EXCISION OR DESTRUCTION OF LESION OR TISSUE OF ABDOMINAL WALL OR UMBILICUS
544	EXCISION OR DESTRUCTION OF PERITONEAL TISSUE
5459	OTHER LYSIS OF PERITONEAL ADHESIONS
5463	OTHER SUTURE OF ABDOMINAL WALL
5464	SUTURE OF PERITONEUM
5471	REPAIR OF GASTROSCHISIS
5472	OTHER REPAIR OF ABDOMINAL WALLS
5473	OTHER REPAIR OF PERITONEUM
5474	OTHER REPAIR OF OMENTUM
5475	OTHER REPAIR OF MESENTERY
5492	REMOVAL OF FOREIGN BODY FROM PERITONEAL CAVITY
5493	CREATION OF CUTANEOPERITONEAL FISTULA
5494	CREATION OF PERITONEOVASCULAR SHUNT
5495	INCISION OF PERITONEUM
5532	OPN ABLTN RENAL LES/TISS OCT06-

**Postoperative Wound Dehiscence (PSI 14 and 24)**

5535	ABLTN RENAL LES/TISS NEC OCT06-
5551	NEPHROURETERECTOMY
5552	NEPHRECTOMY OF REMAINING KIDNEY
5553	REMOVAL OF TRANSPLANTED OR REJECTED KIDNEY
5554	BILATERAL NEPHRECTOMY
5561	RENAL AUTOTRANSPLANTATION
5569	OTHER KIDNEY TRANSPLANTATION
557	NEPHROPEXY
5583	CLOSURE OF OTHER FISTULA OF KIDNEY
5584	REDUCTION OF TORSION OF RENAL
5585	SYMPHYSIOTOMY FOR HOESHOE KIDNEY
5586	ANASTOMOSIS OF KIDNEY
5587	CORRECTION OF URETEROPELVIC JUNCTION
5591	DECAPSULATION OF KIDNEY
5597	IMPLANTATION OR REPLACEMENT OF MECHANICAL KIDNEY
5598	REMOVAL OF MECHANICAL KIDNEY
5651	FORMATION OF CUTANEOUS URETERO-ILEOSTOMY
5652	REVISION OF CUTANEOUS URETERO-ILEOSTOMY
5661	FORMATION OF OTHER CUTANEOUS URETEROSTOMY
5662	REVISION OF OTHER CUTANEOUS URETEROSTOMY
5671	URINARY DIVERSION TO INTESTINE
5672	REVISION OF URETEROINTESTINAL ANASTOMOSIS
5673	NEPHROCYSTANASTOMOSIS, NOS
5674	URETERONEOXYSTOSTOMY
5675	TRANSURETEROURETEROSTOMY
5683	CLOSURE OF URETEROSTOMY
5684	CLOSURE OF OTHER FISTULA OF URETER
5685	URETEROPEXY
5686	REMOVAL OF LIGATURE FROM URETER
5689	OTHER REPAIR OF URETER
5695	LIGATION OF URETER
5771	RADICAL CYSTECTOMY
5779	OTHER TOTAL CYSTECTOMY
5782	CLOSURE OF CYSTOSTOMY
5787	RECONSTRUCTION OF URINARY BLADDER
5900	RETROPERITONEAL DISSECTION, NOS
5902	OTHER LYSIS OF PERIRENAL OR PERIURETERAL ADHESIONS
5909	OTHER INCISION OF PERIRENAL OR PERIURETERAL TISSUE
6012	OPEN BIOPSY OF PROSTATE
6014	OPEN BIOPSY OF SEMINAL VESICLES
6015	BIOPSY OF PERIPROSTATIC TISSUE
603	SUPRAPUBIC PROSTATECTOMY
604	RETROPUBIC PROSTATECTOMY
605	RADICAL PROSTATECTOMY
6061	LOCAL EXCISION OF LESION OF PROSTATE
6072	INCISION OF SEMINAL VESICLE
6073	EXCISION OF SEMINAL VESICLE
6079	OTHER OPERATIONS ON SEMINAL VESICLES
6093	REPAIR OF PROSTATE
6509	OTHER OOPHORECTOMY
6512	OTHER BIOPSY OF OVARY
6521	MARSUPIALIZATION OF OVARIAN CYST
6522	WEDGE RESECTION OF OVARY
6529	OTHER LOCAL EXCISION OR DESTRUCTION OF OVARY
6539	OTHER UNILATERAL OOPHORECTOMY
6549	OTHER UNILATERAL SALPINGOOPHORECTOMY
6551	OTHER REMOVAL OF BOTH OVARIES AT SAME OPERATIVE EPISODE
6552	OTHER REMOVAL OF REMAINING OVARY
6561	OTHER REMOVAL OF BOTH OVARIES AND TUBES AT SAME OPERATIVE EPISODE
6562	OTHER REMOVAL OF REMAINING OVARY AND TUBE

**Postoperative Wound Dehiscence (PSI 14 and 24)**

6571	OTHER SIMPLE SUTURE OF OVARY
6572	OTHER REIMPLANTATION OF OVARY
6573	OTHER SALPINGO OOPHOROPLASTY
6579	OTHER REPAIR OF OVARY
6589	OTHER LYSIS OF ADHESIONS OF OVARY AND FALLOPIAN TUBE
6592	TRANSPLANTATION OF OVARY
6593	MANUAL RUPTURE OF OVARIAN CYST
6594	OVARIAN DENERVATION
6595	RELEASE OF TORSION OF OVARY
6599	OTHER OPERATIONS ON OVARY
6601	SALPINGOTOMY
6602	SALPINGOSTOMY
6631	OTHER BILATERAL LIGATION AND CRUSHING OF FALLOPIAN TUBES
6632	OTHER BILATERAL LIGATION AND DIVISION OF FALLOPIAN TUBES
6639	OTHER BILATERAL DESTRUCTION OR OCCLUSION OF FALLOPIAN TUBES
664	TOTAL UNILATERAL SALPINGECTOMY
6651	REMOVAL OF BOTH FALLOPIAN TUBES AT SAME OPERATIVE EPISODE
6652	REMOVAL OF REMAINING FALLOPIAN TUBE
6661	EXCISION OR DESTRUCTION OF LESION OF FALLOPIAN TUBE
6662	SALPINGECTOMY W/ REMOVAL OF TUBAL PREGNANCY
6663	BILATERAL PARTIAL SALPINGECTOMY, NOS
6669	OTHER PARTIAL SALPINGECTOMY
6671	SIMPLE SUTURE OF FALLOPIAN TUBE
6672	SALPINGO-OOPHOROSTOMY
6673	SALPINGO-SALPINGOSTOMY
6674	SALPINGO-UTEROSTOMY
6679	OTHER REPAIR OF FALLOPIAN TUBE
6692	UNILATERAL DESTRUCTION OR OCCLUSION OF FALLOPIAN TUBE
6697	BURYING OF FIMBRIAE IN UTERINE WALL
680	OTHER INCISION AND EXCISION OF UTERUS
6813	OPEN BIOPSY OF UTERUS
6814	OPEN BIOPSY OF UTERINE LIGAMENTS
683	SUBTOTAL ABDOMINAL HYSTERECTOMY
6839	OTHER SUBTOTAL ABDOMINAL HYSTERECTOMY
684	TOTAL ABDOMINAL HYSTERECTOMY
6841	LAP TOTAL ABDOMINAL HYST OCT06-
6849	TOTAL ABD HYST NEC/NOS OCT06-
686	RADICAL ABDOMINAL HYSTERECTOMY
688	PELVIC EVISCERATION
6861	LAP RADICAL ABDOMNL HYST OCT06-
6869	RADICAL ABD HYST NEC/NOS OCT06-
6922	OTHER UTERINE SUSPENSION
693	PARACERVICAL UTERINE DENERVATION
6941	SUTURE OF LACERATION OF UTERUS
6942	CLOSURE OF FISTULA OF UTERUS
6949	OTHER REPAIR OF UTERUS

\*\* only for discharges occurring on or after October 1, 2004

Exclude cases:

- where a procedure for reclosure of postoperative disruption of abdominal wall occurs before or on the same day as the first abdominopelvic surgery procedure  
*Note: If day of procedure is not available in the input data file, the rate may be slightly lower than if the information was available*
- where length of stay is less than 2 days
- with immunocompromised state
- MDC 14 (pregnancy, childbirth, and puerperium).

See [Appendix D: ICD-9-CM Codes for Immunocompromised States](#)

### Postoperative Wound Dehiscence (PSI 14 and 24)

Control-click (Word) or click (PDF) to view the Appendix. Links are provided to return to the PSI detailed definition.

### Accidental Puncture or Laceration, Secondary Diagnosis Field (PSI 15 and 25)

#### Numerator:

Discharges among cases meeting the inclusion and exclusion rules for the denominator with ICD-9-CM code denoting accidental cut, puncture, perforation or laceration during a procedure in any secondary diagnosis field.

*ICD-9-CM Accidental Puncture or Laceration diagnosis codes:*

Accidental cut, puncture, perforation, or hemorrhage during medical care:

E8700 SURGICAL OPERATION  
E8701 INFUSION OR TRANSFUSION  
E8702 KIDNEY DIALYSIS OR OTHER PERFUSION  
E8703 INJECTION OR VACCINATION  
E8704 ENDOSCOPIC EXAMINATION  
E8705 ASPIRATION OF FLUID OR TISSUE, PUNCTURE, AND CATHETERIZATION  
E8706 HEART CATHETERIZATION  
E8707 ADMINISTRATION OF ENEMA  
E8708 OTHER SPECIFIED MEDICAL CARE  
E8709 UNSPECIFIED MEDICAL CARE  
  
9982 ACCIDENTAL PUNCTURE OR LACERATION DURING A PROCEDURE

#### Denominator:

All surgical and medical discharges age 18 years and older defined by specific DRGs.

See [Appendix B: Surgical Discharge DRGs](#)

See [Appendix F: Medical Discharge DRGs](#)

Control-click (Word) or click (PDF) to view an Appendix. Links are provided to return to the PSI detailed definition.

Exclude cases:

- with ICD-9-CM code denoting technical difficulty (e.g., accidental cut, puncture, perforation, or laceration) in the principal diagnosis field or secondary diagnosis present on admission, if known
- MDC 14 (pregnancy, childbirth, and puerperium).
- with ICD-9-CM code for spine surgery

*ICD-9-CM spine surgery procedure codes:*

03.01 Removal of foreign body from spinal canal  
03.02 Reopening of laminectomy site  
03.09 Other exploration and decompression of spinal canal  
03.53 Repair of vertebral fracture  
03.6 Lysis of adhesions of spinal cord and nerve roots  
81.00 Spinal fusion, not otherwise specified

<b>Accidental Puncture or Laceration, Secondary Diagnosis Field (PSI 15 and 25)</b>	
81.01	Atlas-axis spinal fusion
81.02	Other cervical fusion, anterior technique
81.03	Other cervical fusion, posterior technique
81.04	Dorsal and dorsolumbar fusion, anterior technique
81.05	Dorsal and dorsolumbar fusion, posterior technique
81.06	Lumbar and lumbosacral fusion, anterior technique
81.07	Lumbar and lumbosacral fusion, lateral transverse process technique
81.08	Lumbar and lumbosacral fusion, posterior technique
81.30	Refusion of spine, not otherwise specified
81.31	Refusion of atlas-axis spine
81.32	Refusion of other cervical spine, anterior technique
81.33	Refusion of other cervical spine, posterior technique
81.34	Refusion of dorsal and dorsolumbar spine, anterior technique
81.35	Refusion of dorsal and dorsolumbar spine, posterior technique
81.36	Refusion of lumbar and lumbosacral spine, anterior technique
81.37	Refusion of lumbar and lumbosacral spine, lateral transverse process technique
81.38	Refusion of lumbar and lumbosacral spine, posterior technique
81.39	Refusion of spine, not elsewhere classified
81.62	Fusion or refusion of 2-3 vertebrae*
81.63	Fusion or refusion of 4-8 vertebrae*
81.64	Fusion or refusion of 9 or more vertebrae*
81.65	Vertebroplasty
81.66	Kyphoplasty
84.51	Insertion of interbody spinal fusion device*
84.52	Insertion of recombinant bone morphogenetic protein*
84.58	Implantation of interspinous process decompression device (Only before Oct 1, 2007)
84.59	Insertion of other spinal devices
84.60	Insertion of spinal disc prosthesis, not otherwise specified
84.61	Insertion of partial spinal disc prosthesis, cervical
84.62	Insertion of total spinal disc prosthesis, cervical
84.63	Insertion of spinal disc prosthesis, thoracic
84.64	Insertion of partial spinal disc prosthesis, lumbosacral
84.65	Insertion of total spinal disc prosthesis, lumbosacral
84.66	Revision or replacement of artificial spinal disc prosthesis, cervical
84.67	Revision or replacement of artificial spinal disc prosthesis, thoracic
84.68	Revision or replacement of artificial spinal disc prosthesis, lumbosacral
84.69	Revision or replacement of artificial spinal disc prosthesis, not otherwise specified
84.80	Insertion or replacement of interspinous process device(s)
84.81	Revision of interspinous process device(s)
84.82	Insertion or replacement of pedicle-based dynamic stabilization device(s)
84.83	Revision of pedicle-based dynamic stabilization device(s)
84.85	Revision of facet replacement device(s)
* code has <i>code also</i> instructions	

<b>Transfusion Reaction, Secondary Diagnosis Field (PSI 16 and 26)</b>	
<b>Numerator:</b>	
Discharges among cases meeting the inclusion and exclusion rules for the denominator with ICD-9-CM codes for transfusion reaction in any secondary diagnosis field.	
<i>ICD-9-CM Transfusion Reaction diagnosis codes:</i>	
9996	ABO INCOMPATIBILITY REACTION



<b>Transfusion Reaction, Secondary Diagnosis Field (PSI 16 and 26)</b>	
9997	RH INCOMPATIBILITY REACTION
E8760	MISMATCHED BLOOD IN TRANSFUSION
Exclude cases:	
<ul style="list-style-type: none"><li>• with preexisting (principal diagnosis or secondary diagnosis present on admission, if known) transfusion reaction</li></ul>	
<b>Denominator:</b>	

**Birth Trauma—Injury to Neonate (PSI 17)**

**Numerator:**

Discharges among cases meeting the inclusion and exclusion rules for the denominator with ICD-9-CM codes for birth trauma in any diagnosis field.

*ICD-9-CM Birth Trauma diagnosis codes:*

7670 SUBDURAL AND CEREBRAL HEMORRHAGE (DUE TO TRAUMA OR TO INTRAPARTUM ANOXIA OR HYPOXIA)  
 76711 EPICRANIAL SUBAPONEUROTIC HEMORRHAGE (MASSIVE) OCT03-  
 7673 INJURIES TO SKELETON (EXCLUDES CLAVICLE)  
 7674 INJURY TO SPINE AND SPINAL CORD  
 7677 OTHER CRANIAL AND PERIPHERAL NERVE INJURIES  
 7678 OTHER SPECIFIED BIRTH TRAUMA  
 7679 BIRTH TRAUMA, UNSPECIFIED

*Note: Because 767.1 was not previously included in the numerator specification, the addition of 767.11 may cause an increase in the rate.*

**Exclude infants:**

- with a subdural or cerebral hemorrhage (subgroup of birth trauma coding) **and** any diagnosis code of pre-term infant (denoting birth weight of less than 2,500 grams and less than 37 weeks gestation or 34 weeks gestation or less).
- with injury to skeleton (767.3, 767.4) **and** any diagnosis code of osteogenesis imperfecta (756.51).

*ICD-9-CM Preterm Infant diagnosis codes:*

76501 EXTREME IMMATUREITY, LESS THAN 500 GRAMS  
 76502 EXTREME IMMATUREITY, 500 – 749 GRAMS  
 76503 EXTREME IMMATUREITY, 750 – 999 GRAMS  
 76504 EXTREME IMMATUREITY, 1000 – 1249 GRAMS  
 76505 EXTREME IMMATUREITY, 1250 – 1499 GRAMS  
 76506 EXTREME IMMATUREITY, 1500 – 1749 GRAMS  
 76507 EXTREME IMMATUREITY, 1750 – 1999 GRAMS  
 76508 EXTREME IMMATUREITY, 2000 – 2499 GRAMS  
 76511 OTHER PRETERM INFANTS, LESS THAN 500 GRAMS  
 76512 OTHER PRETERM INFANTS, 500 – 749 GRAMS  
 76513 OTHER PRETERM INFANTS, 750 – 999 GRAMS  
 76514 OTHER PRETERM INFANTS, 1000 – 1249 GRAMS  
 76515 OTHER PRETERM INFANTS, 1250 – 1499 GRAMS  
 76516 OTHER PRETERM INFANTS, 1500 – 1749 GRAMS  
 76517 OTHER PRETERM INFANTS, 1750 – 1999 GRAMS  
 76518 OTHER PRETERM INFANTS, 2000 – 2499 GRAMS  
 76521 LESS THAN 24 COMPLETED WEEKS OF GESTATION  
 76522 24 COMPLETED WEEKS OF GESTATION  
 76523 25-26 COMPLETED WEEKS OF GESTATION  
 76524 27-28 COMPLETED WEEKS OF GESTATION  
 76525 29-30 COMPLETED WEEKS OF GESTATION  
 76526 31-32 COMPLETED WEEKS OF GESTATION  
 76527 33-34 COMPLETED WEEKS OF GESTATION

**Denominator:**

All liveborn births (newborns).

The definition of newborn is any neonate with either 1) an ICD-9-CM diagnosis code for an in-hospital

**Birth Trauma—Injury to Neonate (PSI 17)**

liveborn birth or 2) an admission type of newborn (SID ATYPE=4), age in days at admission equal to zero, and not an ICD-9-CM diagnosis code for an out-of-hospital birth. A neonate is defined as any discharge with age in days at admission between zero and 28 days (inclusive). If age in days is missing, then a neonate is defined as any DRG in MDC 15, an admission type of newborn (SID ATYPE=4), or an ICD-9-CM diagnosis code for an in-hospital liveborn birth.

*Newborn in Hospital Live Birth Codes*

V3000	SINGLE LB IN-HOSP W/O CS OCT05-	V3401	OTH MULT LB-IN HOSP W CS OCT05-
V3001	SINGLE LB IN-HOSP W CS OCT05-	V3500	OTH MULT SB-HOSP W/O CS OCT05-
V3100	TWIN-MATE LB-HOSP W/O CS OCT05-	V3501	OTH MULT SB-IN HOSP W CS OCT05-
V3101	TWIN-MATE LB-IN HOS W CS OCT05-	V3600	MULT LB/SB-IN HOS W/O CS OCT05-
V3200	TWIN-MATE SB-HOSP W/O CS OCT05-	V3601	MULT LB/SB-IN HOSP W CS OCT05-
V3201	TWIN-MATE SB-HOSP W CS OCT05-	V3700	MULT BRTH NOS-HOSP W/O CS OCT05-
V3300	TWIN-NOS-IN HOSP W/O CS OCT05-	V3701	MULT BIRTH NOS-HOSP W CS OCT05-
V3301	TWIN-NOS-IN HOSP W CS OCT05-	V3900	LIVEBORN NOS-HOSP W/O CS OCT05-
V3400	OTH MULT LB-HOSP W/O CS OCT05-	V3901	LIVEBORN NOS-HOSP W CS OCT05-

OR

SID Admission type recorded as (4) and Age in Days at Admission equal to zero:

*AND NOT*

*Newborn out of Hospital codes:*

V301	SINGL LIVEBRN-BEFORE ADM OCT05-	V342	OTH MULTIPLE NB-NONHOSP OCT05-
V302	SINGLE LIVEBORN-NONHOSP OCT05-	V351	OTH MULT SB-BEFORE ADM OCT05-
V311	TWIN, MATE LB-BEFORE ADM OCT05-	V352	OTH MULTIPLE SB-NONHOSP OCT05-
V312	TWIN, MATE LB-NONHOSP OCT05-	V361	MULT NB/SB-BEFORE ADM OCT05-
V321	TWIN, MATE SB-BEFORE ADM OCT05-	V362	MULTIPLE NB/SB-NONHOSP OCT05-
V322	TWIN, MATE SB-NONHOSP OCT05-	V371	MULT BRTH NOS-BEFORE ADM OCT05-
V331	TWIN NOS-BEFORE ADMISSN OCT05-	V372	MULT BIRTH NOS-NONHOSP OCT05-
V332	TWIN NOS-NONHOSP OCT05-	V391	LIVEBORN NOS-BEFORE ADM OCT05-
V341	OTH MULT NB-BEFORE ADM OCT05-	V392	LIVEBORN NOS-NONHOSP OCT05-

**Obstetric Trauma—Vaginal Delivery with Instrument (PSI 18)**

**Numerator:**

Discharges among cases meeting the inclusion and exclusion rules for the denominator with ICD-9-CM codes for 3<sup>rd</sup> and 4<sup>th</sup> degree obstetric trauma in any diagnosis or procedure field.

*ICD-9-CM Obstetric Trauma diagnosis codes:*

66420,1,4	TRAUMA TO PERINEUM AND VULVA DURING DELIVERY, THIRD DEGREE PERINEAL LACERATION
66430,1,4	TRAUMA TO PERINEUM AND VULVA DURING DELIVERY, FOURTH DEGREE PERINEAL LACERATION

*ICD-9-CM Obstetric Trauma procedure codes:*

7550	REPAIR OF CURRENT OBSTETRIC LACERATIONS OF UTERUS
7551	REPAIR OF CURRENT OBSTETRIC LACERATIONS OF CERVIX
7552	REPAIR OF CURRENT OBSTETRIC LACERATIONS OF CORPUS UTERI
7561	REPAIR OF CURRENT OBSTETRIC LACERATION OF BLADDER AND URETHRA
7562	REPAIR OF CURRENT OBSTETRIC LACERATION OF RECTUM AND SPHINCTER ANI

**Obstetric Trauma—Vaginal Delivery with Instrument (PSI 18)**

**Denominator:**

All vaginal delivery discharges with any procedure code for instrument-assisted delivery.

*Vaginal Delivery DRGs:*

- 372 VAGINAL DELIVERY W/ COMPLICATING DIAGNOSES
- 373 VAGINAL DELIVERY W/O COMPLICATING DIAGNOSES
- 374 VAGINAL DELIVERY W/ STERILIZATION AND/OR D AND C
- 375 VAGINAL DELIVERY W/ OR PROCEDURE EXCEPT STERILIZATION AND/OR D AND C

*ICD-9-CM Instrument-Assisted Delivery procedure codes:*

- 720 LOW FORCEPS OPERATION
- 721 LOW FORCEPS OPERATION W/ EPISIOTOMY
- 7221 MID FORCEPS OPERATION W/ EPISIOTOMY
- 7229 OTHER MID FORCEPS OPERATION
- 7231 HIGH FORCEPS OPERATION W/ EPISIOTOMY
- 7239 OTHER HIGH FORCEPS OPERATION
- 724 FORCEPS ROTATION OF FETAL HEAD
- 7251 PARTIAL BREECH EXTRACTION W/ FORCEPS TO AFTERCOMING HEAD
- 7253 TOTAL BREECH EXTRACTION W/ FORCEPS TO AFTERCOMING HEAD
- 726 FORCEPS APPLICATION TO AFTERCOMING HEAD
- 7271 VACUUM EXTRACTION W/ EPISIOTOMY
- 7279 VACUUM EXTRACTION DELIVERY NEC
- 728 OTHER SPECIFIED INSTRUMENTAL DELIVERY
- 729 UNSPECIFIED INSTRUMENTAL DELIVERY

**Obstetric Trauma—Vaginal Delivery without Instrument (PSI 19)**

**Numerator:**

Discharges among cases meeting the inclusion and exclusion rules for the denominator with ICD-9-CM codes for 3<sup>rd</sup> and 4<sup>th</sup> degree obstetric trauma in any diagnosis or procedure field.

*ICD-9-CM Obstetric Trauma diagnosis codes:*

- 66420,1,4 TRAUMA TO PERINEUM AND VULVA DURING DELIVERY, THIRD DEGREE PERINEAL LACERATION
- 66430,1,4 TRAUMA TO PERINEUM AND VULVA DURING DELIVERY, FOURTH DEGREE PERINEAL LACERATION

*ICD-9-CM Obstetric Trauma procedure codes:*

- 7550 REPAIR OF CURRENT OBSTETRIC LACERATIONS OF UTERUS
- 7551 REPAIR OF CURRENT OBSTETRIC LACERATIONS OF CERVIX
- 7552 REPAIR OF CURRENT OBSTETRIC LACERATIONS OF CORPUS UTERI
- 7561 REPAIR OF CURRENT OBSTETRIC LACERATION OF BLADDER AND URETHRA
- 7562 REPAIR OF CURRENT OBSTETRIC LACERATION OF RECTUM AND SPHINCTER ANI

**Denominator:**

All vaginal delivery discharge patients.

*Vaginal Delivery DRGs:*

**Obstetric Trauma—Vaginal Delivery without Instrument (PSI 19)**

- 372 VAGINAL DELIVERY W/ COMPLICATING DIAGNOSES
- 373 VAGINAL DELIVERY W/OCOMPLICATING DIAGNOSES
- 374 VAGINAL DELIVERY W/ STERILIZATION AND/OR D AND C
- 375 VAGINAL DELIVERY W/ OR PROCEDURE EXCEPT STERILIZATION AND/OR D AND C

Exclude cases:

- with instrument-assisted delivery.

*ICD-9-CM Instrument-Assisted Delivery procedure codes*

- 720 LOW FORCEPS OPERATION
- 721 LOW FORCEPS OPERATION W/ EPISIOTOMY
- 7221 MID FORCEPS OPERATION W/ EPISIOTOMY
- 7229 OTHER MID FORCEPS OPERATION
- 7231 HIGH FORCEPS OPERATION W/ EPISIOTOMY
- 7239 OTHER HIGH FORCEPS OPERATION
- 724 FORCEPS ROTATION OF FETAL HEAD
- 7251 PARTIAL BREECH EXTRACTION W/ FORCEPS TO AFTERCOMING HEAD
- 7253 TOTAL BREECH EXTRACTION W/ FORCEPS TO AFTERCOMING HEAD
- 726 FORCEPS APPLICATION TO AFTERCOMING HEAD
- 7271 VACUUM EXTRACTION W/ EPISIOTOMY
- 7279 VACUUM EXTRACTION DELIVERY NEC
- 728 OTHER SPECIFIED INSTRUMENTAL DELIVERY
- 729 UNSPECIFIED INSTRUMENTAL DELIVERY

**Obstetric Trauma—Cesarean Delivery (PSI 20)**

**Numerator:**

Discharges among cases meeting the inclusion and exclusion rules for the denominator with ICD-9-CM codes for 3<sup>rd</sup> and 4<sup>th</sup> degree obstetric trauma in any diagnosis or procedure field.

*ICD-9-CM Obstetric Trauma diagnosis codes:*

- 66420,1,4 TRAUMA TO PERINEUM AND VULVA DURING DELIVERY, THIRD DEGREE PERINEAL LACERATION (PSI 29 ONLY)
- 66430,1,4 TRAUMA TO PERINEUM AND VULVA DURING DELIVERY, FOURTH DEGREE PERINEAL LACERATION

*ICD-9-CM Obstetric Trauma procedure codes:*

- 7550 REPAIR OF CURRENT OBSTETRIC LACERATIONS OF UTERUS
- 7551 REPAIR OF CURRENT OBSTETRIC LACERATIONS OF CERVIX
- 7552 REPAIR OF CURRENT OBSTETRIC LACERATIONS OF CORPUS UTERI
- 7561 REPAIR OF CURRENT OBSTETRIC LACERATION OF BLADDER AND URETHRA
- 7562 REPAIR OF CURRENT OBSTETRIC LACERATION OF RECTUM AND SPHINCTER ANI

**Denominator:**

All cesarean delivery discharges.

*Cesarean Delivery DRGs:*

- 370 CESAREAN SECTION W/ CC
- 371 CESAREAN SECTION W/OCC

## Appendix A: Operating Room Procedure Codes

These codes are used by the following PSIs:

PSI	How Used
<a href="#">Complications of Anesthesia (PSI 1)</a> - Page 3	<a href="#">Denominator inclusion</a> - Page 3
<a href="#">Decubitus Ulcer (PSI 3)</a> - Page 7	<a href="#">Denominator exclusion</a> - Page 8
<a href="#">Postoperative Hip Fracture (PSI 8)</a> - Page 23	<a href="#">Denominator inclusion</a> - Page 23
<a href="#">Postoperative Hemorrhage or Hematoma (PSI 9)</a> - Page 27	<a href="#">Denominator inclusion</a> - Page 28
<a href="#">Postoperative Physiologic and Metabolic Derangement (PSI 10)</a> - Page 28	<a href="#">Denominator inclusion</a> - Page 29
<a href="#">Postoperative Respiratory Failure (PSI 11)</a> - Page 30	<a href="#">Denominator inclusion</a> - Page 31
<a href="#">Postoperative Pulmonary Embolism or Deep Vein Thrombosis (PSI 12)</a> - Page 32	<a href="#">Denominator inclusion</a> - Page 32

In the table above, control-click (Word) or click (PDF) the **PSI** name to go to the start of that detailed definition. Click the link in the **How Used** column to go to where the operating room procedure codes are referenced within the PSI detailed definition.

The ICD-9-CM codes added after January 17, 2005 are identified by the date of introduction, e.g., OCT 04, after the code label.

0044 PROC-VESSEL BIFURCATION OCT06-	0125 OTHER CRANIECTOMY
0050 IMPL CRT PACEMAKER SYS	0126 INS CATH-CRANIAL CAVITY OCT05-
0051 IMPL CRT DEFIBRILLAT SYS	0127 REM CATH-CRANIAL CAVITY OCT05-
0052 IMP/REP LEAD LF VEN SYS	0128 INTRACEREB CTH-BURR HOLE OCT06-
0053 IMP/REP CRT PACEMAKR GEN	0131 INCISE CEREBRAL MENINGES
0054 IMP/REP CRT DEFIB GENAT	0132 LOBOTOMY & TRACTOTOMY
0056 INS/REP IMPL SENSOR LEAD OCT06-	0139 OTHER BRAIN INCISION
0057 IMP/REP SUBCUE CARD DEV OCT06-	0141 THALAMUS OPERATIONS
0061 PERC ANGIO PRECEREB VES (OCT 04)	0142 GLOBUS PALLIDUS OPS
0062 PERC ANGIO INTRACRAN VES (OCT 04)	0151 EX CEREB MENINGEAL LES
0066 PTCA OR CORONARY ATHER OCT05-	0152 HEMISPHERECTOMY
0070 REV HIP REPL-ACETAB/FEM OCT05-	0153 BRAIN LOBECTOMY
0071 REV HIP REPL-ACETAB COMP OCT05-	0159 OTHER BRAIN EXCISION
0072 REV HIP REPL-FEM COMP OCT05-	016 EXCISE SKULL LESION
0073 REV HIP REPL-LINER/HEAD OCT05-	0201 LINEAR CRANIECTOMY
0074 HIP REPL SURF-METAL/POLY OCT05-	0202 ELEVATE SKULL FX FRAGMNT
0075 HIP REP SURF-METAL/METAL OCT05-	0203 SKULL FLAP FORMATION
0076 HIP REP SURF-CERMC/CERMC OCT05-	0204 BONE GRAFT TO SKULL
0077 HIP REPL SURF-CERMC/POLY OCT06-	0205 SKULL PLATE INSERTION
0080 REV KNEE REPLACEMT-TOTAL OCT05-	0206 CRANIAL OSTEOPLASTY NEC
0081 REV KNEE REPL-TIBIA COMP OCT05-	0207 SKULL PLATE REMOVAL
0082 REV KNEE REPL-FEMUR COMP OCT05-	0211 SIMPLE SUTURE OF DURA
0083 REV KNEE REPLACE-PATELLA OCT05-	0212 BRAIN MENINGE REPAIR NEC
0084 REV KNEE REPL-TIBIA LIN OCT05-	0213 MENINGE VESSEL LIGATION
0085 RESRF HIPTOTAL-ACET/FEM OCT06-	0214 CHOROID PLEXECTOMY
0086 RESRF HIPPART-FEM HEAD OCT06-	022 VENTRICULOSTOMY
0087 RESRF HIPPART-ACETABLUM OCT06-	0231 VENTRICL SHUNT-HEAD/NECK
0112 OPEN CEREB MENINGES BX	0232 VENTRI SHUNT-CIRCULA SYS
0114 OPEN BRAIN BIOPSY	0233 VENTRICL SHUNT-THORAX
0115 SKULL BIOPSY	0234 VENTRICL SHUNT-ABDOMEN
0118 OTHER BRAIN DX PROCEDURE	0235 VENTRI SHUNT-UNINARY SYS
0119 OTHER SKULL DX PROCEDURE	0239 OTHER VENTRICULAR SHUNT
0121 CRANIAL SINUS I & D	0242 REPLACE VENTRICLE SHUNT
0122 REMOV INTRACRAN STIMULAT	0243 REMOVE VENTRICLE SHUNT
0123 REOPEN CRANIOTOMY SITE	0291 LYSIS CORTICAL ADHESION
0124 OTHER CRANIOTOMY	0292 BRAIN REPAIR



Appendix A: Operating Room Procedure Code

0293	IMPLANT BRAIN STIMULATOR	059	OTHER NERVOUS SYSTEM OPS
0294	INSERT/REPLAC SKULL TONG	0602	REOPEN THYROID FIELD WND
0299	SKULL & BRAIN OP NEC	0609	INCIS THYROID FIELD NEC
0301	REMOVAL FB SPINAL CANAL	0612	OPEN THYROID GLAND BX
0302	REOPEN LAMINECTOMY SITE	0613	PARATHYROID BIOPSY
0309	SPINAL CANAL EXPLOR NEC	0619	THYR/PARATHY DX PROC NEC
031	INTRASPIN NERVE ROOT DIV	062	UNILAT THYROID LOBECTOMY
0321	PERCUTANEOUS CHORDOTOMY	0631	EXCISION THYROID LESION
0329	OTHER CHORDOTOMY	0639	PART THYROIDECTOMY NEC
0332	SPINAL CORD/MENINGES BX	064	COMPLETE THYROIDECTOMY
0339	OTHER SPINAL DX PROC	0650	SUBSTERN THYROIDECT NOS
034	EXCIS SPINAL CORD LESION	0651	PART SUBSTERN THYROIDECT
0351	SPINE MENINGOCELE REPAIR	0652	TOT SUBSTERN THYROIDECT
0352	MYELOMENINGOCELE REPAIR	066	LINGUAL THYROID EXCISION
0353	VERTEBRAL FX REPAIR	067	THYROGLOSS DUCT EXCISION
0359	SPINAL STRUCT REPAIR NEC	0681	TOTAL PARATHYROIDECTOMY
036	SPINAL CORD ADHESIOLYSIS	0689	OTHER PARATHYROIDECTOMY
0371	SUBARACH-PERITON SHUNT	0691	THYROID ISTHMUS DIVISION
0372	SUBARACH-URETERAL SHUNT	0692	THYROID VESSEL LIGATION
0379	OTH SPINAL THECAL SHUNT	0693	THYROID SUTURE
0393	INSERT SPINAL STIMULATOR	0694	THYROID REIMPLANTATION
0394	REMOVE SPINAL STIMULATOR	0695	PARATHYROID REIMPLANT
0397	REVISE SPINE THECA SHUNT	0698	OTHER THYROID OPERATIONS
0398	REMOVE SPINE THECA SHUNT	0699	OTHER PARATHYROID OPS
0399	SPINE CANAL STRUC OP NEC	0700	ADRENAL EXPLORATION NOS
0401	EXCISION ACOUSTC NEUROMA	0701	UNILAT ADRENAL EXPLORAT
0402	TRIGEMINAL NERV DIVISION	0702	BILAT ADRENAL EXPLORAT
0403	PERIPH NERVE DIV NEC	0712	OPEN ADRENAL GLAND BX
0404	PERIPH NERVE INCIS NEC	0713	TRANSFRONT PITUITARY BX
0405	GASSERIAN GANGLIONECTOMY	0714	TRANSPHEN PITUITARY BX
0406	PERIPH GANGLIONECT NEC	0715	PITUITARY BIOPSY NOS
0407	PERIPH NERV EXCISION NEC	0716	THYMUS BIOPSY
0412	OPEN PERIPH NERVE BIOPSY	0717	PINEAL BIOPSY
0419	PERIPH NERVE DX PROC NEC	0719	ENDOCRINE DX PROC NEC
043	PERIPHERAL NERVE SUTURE	0721	ADRENAL LESION EXCISION
0441	DECOMPRESS TRIGEM ROOT	0722	UNILATERAL ADRENALECTOMY
0442	CRAN NERV ROOT DECOM NEC	0729	PART ADRENALECTOMY NEC
0443	CARPAL TUNNEL RELEASE	073	BILATERAL ADRENALECTOMY
0444	TARSAL TUNNEL RELEASE	0741	ADRENAL INCISION
0449	PER NERVE ADHESIOLYS NEC	0742	ADRENAL NERVE DIVISION
045	PERIPHERAL NERVE GRAFT	0743	ADRENAL VESSEL LIGATION
046	PERIPH NERVE TRANSPOSIT	0744	ADRENAL REPAIR
0471	HYPOGLOSS-FACIAL ANASTOM	0745	ADRENAL REIMPLANTATION
0472	ACCESSORY-FACIAL ANASTOM	0749	ADRENAL OPERATION NEC
0473	ACCESS-HYPOGLOSS ANASTOM	0751	PINEAL FIELD EXPLORATION
0474	PERIPH NERV ANASTOM NEC	0752	PINEAL GLAND INCISION
0475	POSTOP REVIS PER NERV OP	0753	PARTIAL PINEALECTOMY
0476	LATE REPAIR PER NERV INJ	0754	TOTAL PINEALECTOMY
0479	OTHER NEUROPLASTY	0759	PINEAL OPERATION NEC
0491	NEURECTASIS	0761	EXC PITUIT LES-TRANSFRON
0492	IMPLANT PERIPH STIMULAT	0762	EXC PITUIT LES-TRANSPHEN
0493	REMOVE PERIPH STIMULATOR	0763	PART EXCIS PITUITARY NOS
0499	PERIPHERAL NERVE OPS NEC	0764	TOT EXC PITUIT-TRANSFRON
050	SYMPATH NERVE DIVISION	0765	TOT EXC PITUIT-TRANSPHEN
0511	SYMPATHETIC NERVE BIOPSY	0768	TOTAL EXC PITUITARY NEC
0519	SYMPATH NRV DX PROC NEC	0769	TOTAL EXC PITUITARY NOS
0521	SPHENOPALATIN GANGLIONEC	0771	PITUITARY FOSSA EXPLORAT
0522	CERVICAL SYMPATHECTOMY	0772	PITUITARY GLAND INCISION
0523	LUMBAR SYMPATHECTOMY	0779	PITUITARY OPERATION NEC
0524	PRESACRAL SYMPATHECTOMY	0780	THYMECTOMY NOS
0525	PERIART SYMPATHECTOMY	0781	PART EXCISION OF THYMUS
0529	OTHER SYMPATHECTOMY	0782	TOTAL EXCISION OF THYMUS
0581	SYMPATHETIC NERVE REPAIR	0791	THYMUS FIELD EXPLORATION
0589	SYMPATHETIC NERVE OP NEC	0792	INCISION OF THYMUS

Appendix A: Operating Room Procedure Code

0793	REPAIR OF THYMUS	0983	CONJUNCTIVORHINOS W TUBE
0794	THYMUS TRANSPLANTATION	0991	LAC PUNCTUM OBLITERATION
0799	THYMUS OPERATION NEC	0999	LACRIMAL SYSTEM OP NEC
0811	EYELID BIOPSY	100	INCISE/REMOV CONJUNCT FB
0820	REMOVE EYELID LESION NOS	101	CONJUNCTIVA INCISION NEC
0821	CHALAZION EXCISION	1021	CONJUNCTIVAL BIOPSY
0822	EXCISE MINOR LES LID NEC	1029	CONJUNCTIVA DX PROC NEC
0823	EXC MAJ LES LID PRT-THIC	1031	EXCISE CONJUNCTIV LESION
0824	EXC MAJ LES LID FUL-THIC	1032	DESTRUCT CONJUNC LES NEC
0825	DESTRUCTION LID LESION	1033	OTH CONJUNC DESTRUC PROC
0831	PTOSIS REP-FRONT MUS SUT	1041	SYMBLEPH REP W FREE GRFT
0832	PTOSIS REP-FRONT MUS SLNG	1042	GRAFT CONJUNC CUL-DE-SAC
0833	PTOSIS REP-LEVAT MUS ADV	1043	CONJUN CUL-DE-SAC RX NEC
0834	PTOSIS REP-LEVAT MUS NEC	1044	CONJUNC FREE GRAFT NEC
0835	PTOS REP-TARSAL TECHNIQ	1049	CONJUNCTIVOPLASTY NEC
0836	BLEPHAROPTOS REPAIR NEC	105	CONJUNC/LID ADHESIOLYSIS
0837	REDUC OVERCORRECT PTOSIS	106	REPAIR CONJUNCT LACERAT
0838	CORRECT LID RETRACTION	1091	SUBCONJUNCTIVAL INJECT
0841	THERMOCAUT/ENTROPION REP	1099	CONJUNCTIVAL OP NEC
0842	SUTURE ENTROPION REPAIR	110	MAGNET REMOVAL CORNEA FB
0843	WEDG RESEC ENTROPION REP	111	CORNEAL INCISION
0844	LID RECONS ENTROPION REP	1121	CORNEAL SCRAPE FOR SMEAR
0849	ENTROPION/ECTROP REP NEC	1122	CORNEAL BIOPSY
0851	CANTHOTOMY	1129	CORNEAL DX PROC NEC
0852	BLEPHARORRHAPHY	1131	PTERYGIUM TRANSPOSITION
0859	ADJUST LID POSITION NEC	1132	PTERYG EXC W CORNEA GRFT
0861	LID RECONST W SKIN GRAFT	1139	PTERYGIUM EXCISION NEC
0862	LID RECONST W MUC GRAFT	1141	MECH REMOV CORNEA EPITH
0863	LID RECONST W HAIR GRAFT	1142	THERMOCAUT CORNEA LESION
0864	LID RECON-TARSOCONJ FLAP	1143	CRYOTHERAP CORNEA LESION
0869	LID RECONSTR W GRAFT NEC	1149	DESTRUCT CORNEA LES NEC
0870	LID RECONSTRUCTION NOS	1151	SUTURE CORNEA LACERATION
0871	LID MARG RECON-PART THIC	1152	REP CORNEA POSTOP DEHISC
0872	LID RECONS-PART THIC NEC	1153	RX CORNEA LAC W CONJ FLP
0873	LID MARG RECONS FUL THIC	1159	CORNEAL REPAIR NEC
0874	LID RECONST-FUL THIC NEC	1160	CORNEAL TRANSPLANT NOS
0891	ELECTROSURG LID EPILAT	1161	LAM KERATPLAST W AUTGRFT
0892	CRYOSURG LID EPILATION	1162	LAMELLAR KERATOPLAST NEC
0893	EYELID EPILATION NEC	1163	PERF KERATOPL W AUTOGRFT
0899	EYELID OPERATION NEC	1164	PERFORAT KERATOPLAST NEC
090	LACRIMAL GLAND INCISION	1169	CORNEAL TRANSPLANT NEC
0911	LACRIMAL GLAND BIOPSY	1171	KERATOMILEUSIS
0912	LACRIMAL SAC BIOPSY	1172	KERATOPHAKIA
0919	LACRIMAL SYS DX PROC NEC	1173	KERATOPROSTHESIS
0920	EXC LACRIMAL GLAND NOS	1174	THERMOKERATOPLASTY
0921	EXCIS LES LACRIMAL GLAND	1175	RADIAL KERATOTOMY
0922	PART DACRYOADENECT NEC	1176	EPIKERATOPHAKIA
0923	TOTAL DACRYOADENECTOMY	1179	CORNEA RECONSTRUCT NEC
093	OTHER LACRIMAL GLAND OPS	1191	CORNEAL TATTOOING
0941	LACRIMAL PUNCTUM PROBE	1192	REMOVE CORNEAL IMPLANT
0942	LAC CANALICULI PROBE	1199	CORNEAL OPERATION NEC
0943	NASOLACRIMAL DUCT PROBE	1200	REMOV ANT SEGMENT FB NOS
0944	NASOLAC DUCT INTUBAT	1201	MAGNET REMOV ANT SEG FB
0949	LAC PASSAGE MANIP NEC	1202	NONMAG REMOV ANT SEG FB
0951	LAC PUNCTUM INCISION	1211	IRIDOTOMY W TRANSFIXION
0952	LAC CANALICULI INCISION	1212	IRIDOTOMY NEC
0953	LACRIMAL SAC INCISION	1213	PROLAPSED IRIS EXCISION
0959	LACRIM PASSAGE INCIS NEC	1214	IRIDECTOMY NEC
096	LACRIM SAC/PASSAGE EXCIS	1221	DX ASPIRAT-ANT CHAMBER
0971	CORRECT EVERTED PUNCTUM	1222	IRIS BIOPSY
0972	PUNCTUM REPAIR NEC	1229	ANT SEGMENT DX PROC NEC
0973	CANALICULUS REPAIR	1231	GONIOSYNECHIAE LYSIS
0981	DACRYOCYSTORHINOSTOMY	1232	ANT SYNECHIA LYSIS NEC
0982	CONJUNCTIVOCYSTORHINOST	1233	POST SYNECHIAE LYSIS

Appendix A: Operating Room Procedure Code

1234	CORNEOVITREAL ADHESIO LYS	139	OTHER OPERATIONS ON LENS
1235	COREOPLASTY	1390	OPERATION ON LENS NEC OCT06-
1239	IRIDOPLASTY NEC	1391	IMPL INTRAOC TELESC PROS OCT06-
1240	REMOV ANT SEG MNT LES NOS	1400	REMOV POST SEG MNT FB NOS
1241	NONEXC DESTRUC IRIS LES	1401	MAGNET REMOV POST SEG FB
1242	EXCISION OF IRIS LESION	1402	NONMAG REMOV POST SEG FB
1243	NONEXC DESTR CIL BOD LES	1411	DIAGNOST VITREOUS ASPIR
1244	EXCISE CILIARY BODY LES	1419	DX PROC POST SEG NEC
1251	GONIOPUNCTURE	1421	CHORIORET LES DIATHERMY
1252	GONIOTOMY	1422	CHORIORETIN LES CRYOTHER
1253	GONIOTOMY W GONIOPUNCTUR	1426	CHORIORET LES RADIO THER
1254	TRABECULOTOMY AB EXTERNO	1427	CHORIORET LES RAD IMPLAN
1255	CYCLODIALYSIS	1429	CHORIORET LES DESTR NEC
1259	FACILIT INTRAOC CIRC NEC	1431	RETINAL TEAR DIATHERMY
1261	TREPHIN SCLERA W IRIDECT	1432	RETINAL TEAR CRYOTHERAPY
1262	THERMCAUT SCLER W IRIDEC	1439	RETINAL TEAR REPAIR NEC
1263	IRIDENCELEISIS/IRIDOTASIS	1441	SCLERAL BUCKLE W IMPLANT
1264	TRABECULECTOM AB EXTERNO	1449	SCLERAL BUCKLING NEC
1265	SCLER FISTULIZ W IRIDECT	1451	DETACH RETINA-DIATHERMY
1266	POSTOP REVIS SCL FISTUL	1452	DETACH RETINA-CRYOTHERAP
1269	SCLER FISTULIZING OP NEC	1453	DETACH RETINA XENON COAG
1271	CYCLODIATHERMY	1454	DETACH RETINA LASER COAG
1272	CYCLOCRYOTHERAPY	1455	DETACH RET PHOTOCOAG NOS
1273	CYCLOPHOTOCOAGULATION	1459	REPAIR RETINA DETACH NEC
1274	CIL BODY DIMINUTION NOS	146	REMOV PROS MAT POST SEG
1279	GLAUCOMA PROCEDURE NEC	1471	ANTERIOR REMOV VITREOUS
1281	SUTURE SCLERAL LACER	1472	VITREOUS REMOVAL NEC
1282	SCLERAL FISTULA REPAIR	1473	ANTERIOR MECHAN VITRECT
1283	REVIS ANT SEG OP WND NEC	1474	MECH VITRECTOMY NEC
1284	DESTRUCT SCLERAL LESION	1475	VITREOUS SUBSTITUT INJEC
1285	REPAIR STAPHYLOM W GRAFT	1479	VITREOUS OPERATION NEC
1286	REP SCLER STAPHYLOMA NEC	149	OTHER POST SEGMENT OPS
1287	GRAFT REINFORCE SCLERA	1501	EXTRAOC MUSC-TEND BIOPSY
1288	SCLERA REINFORCEMENT NEC	1509	EXTRAOC MUSC DX PROC NEC
1289	SCLERAL OPERATION NEC	1511	ONE EXTRAOC MUS RECESS
1291	THERAPEUT EVAC ANT CHAMB	1512	1 EXTRAOC MUSCL ADVANCE
1292	ANTERIOR CHAMBER INJECT	1513	1 EXTRAOC MUSCL RESECT
1293	REMOV EPITHEL DOWNGROWTH	1519	XTRAOC MUS OP/DETACH NEC
1297	IRIS OPERATION NEC	1521	LENGTHEN 1 EXTRAOC MUSC
1298	CILIARY BODY OP NEC	1522	SHORTEN 1 EXTRAOC MUSC
1299	ANTERIOR CHAMBER OP NEC	1529	OP ON 1 EXTRAOC MUSC NEC
1300	REMOVE FB LENS NOS	153	TEMP DETACH >1 XTROC MUS
1301	MAGNET REMOVE FB LENS	154	OTH OP ON >L EXTRAOC MUS
1302	NONMAGNET REMOVE FB LENS	155	EXTRAOCUL MUS TRANSPOSIT
1311	TEMP-INF INTRCAP LENS EX	156	REVIS EXTRAOC MUSC SURG
1319	INTRACAPSUL LENS EXT NEC	157	EXTRAOC MUSC INJ REPAIR
132	LINEAR EXTRACAP LENS EXT	159	OTH EXTRAOC MUS-TEND OP
133	SIMPL ASPIR LENS EXTRACT	1601	ORBITOTOMY W BONE FLAP
1341	CATARAC PHACOEMULS/ASPIR	1602	ORBITOTOMY W IMPLANT
1342	POST CATARAC FRAG/ASPIR	1609	ORBITOTOMY NEC
1343	CATARACT FRAG/ASPIR NEC	161	REMOVE PENETRAT FB EYE
1351	TEMP-INF XTRACAP LENS EX	1622	DIAGNOSTIC ASP OF ORBIT
1359	EXTRACAP LENS EXTRAC NEC	1623	EYEBALL & ORBIT BIOPSY
1361	EXTRACAP LENS EXTRAC NEC	1629	EYEBAL/ORBIT DX PROC NEC
1362	EXTRACAP LENS EXTRAC NEC	1631	EYE EVISC W SYNCH IMPLAN
1363	EXTRACAP LENS EXTRAC NEC	1639	EYEBALL EVISCERATION NEC
1364	AFTER-CATAR DISCISSION	1641	EYE ENUC/IMPLAN/MUSC ATT
1365	AFTER-CATARACT EXCISION	1642	EYE ENUC W IMPLANT NEC
1366	AFTER CATAR FRAGMENTATION	1649	EYEBALL ENUCLEATION NEC
1369	CATARACT EXTRACTION NEC	1651	RADICAL ORBITOMAXILLECT
1370	INSERT PSEUDOPHAKOS NOS	1652	ORBIT EXENT W BONE REMOV
1371	INSERT LENS AT CATAR EXT	1659	ORBITAL EXENTERATION NEC
1372	SECONDARY INSERT LENS	1661	2NDRY OCULAR IMP INSERT
138	IMPLANTED LENS REMOVAL	1662	REVIS/REINSERT OCUL IMP

Appendix A: Operating Room Procedure Code

1663	REVIS ENUC SOCKET W GRFT	2109	EPISTAXIS CONTROL NEC
1664	ENUC SOCKET REVIS NEC	214	RESECTION OF NOSE
1665	2NDRY EXENT CAVITY GRAFT	215	SUBMUC NASAL SEPT RESECT
1666	REVIS EXENTER CAVITY NEC	2161	DIATHER/CRYO TURBINECTOM
1669	2ND OP POST EYE REM NEC	2162	TURBINATE FRACTURE
1671	REMOVE OCULAR IMPLANT	2169	TURBINECTOMY NEC
1672	REMOVE ORBITAL IMPLANT	2172	OPEN REDUCTION NASAL FX
1681	REPAIR OF ORBITAL WOUND	2182	NASAL FISTULA CLOSURE
1682	REPAIR EYEBALL RUPTURE	2183	TOT NASAL RECONSTRUCTION
1689	EYE/ORBIT INJ REPAIR NEC	2184	REVISION RHINOPLASTY
1692	EXCISION ORBITAL LESION	2185	AUGMENTATION RHINOPLASTY
1693	EXCISION EYE LESION NOS	2186	LIMITED RHINOPLASTY
1698	OPERATION ON ORBIT NEC	2187	RHINOPLASTY NEC
1699	OPERATION ON EYEBALL NEC	2188	SEPTOPLASTY NEC
1821	PREAURICULAR SINUS EXCIS	2189	NASAL REPAIR NEC
1831	RAD EXCIS EXT EAR LES	2199	NASAL OPERATION NEC
1839	EXCIS EXTERNAL EAR NEC	2212	OPEN BIOPSY NASAL SINUS
185	CORRECTION PROMINENT EAR	2231	RADICAL MAXILLARY ANTROT
186	EXT AUDIT CANAL RECONSTR	2239	EXT MAXILLARY ANTROT NEC
1871	CONSTRUCTION EAR AURICLE	2241	FRONTAL SINUSOTOMY
1872	REATTACH AMPUTATED EAR	2242	FRONTAL SINUSECTOMY
1879	PLASTIC REP EXT EAR NEC	2250	SINUSOTOMY NOS
189	OTHER EXT EAR OPERATIONS	2251	ETHMOIDOTOMY
190	STAPES MOBILIZATION	2252	SPHENOIDOTOMY
1911	STAPEDECT W REPLAC INCUS	2253	MULTIPLE SINUS INCISION
1919	STAPEDECTOMY NEC	2260	SINUSECTOMY NOS
1921	REV STAPDEC W INCUS REPL	2261	C-LUC EXC MAX SINUS LES
1929	STAPEDECTOMY REVIS NEC	2262	EXC MAX SINUS LESION NEC
193	OSSICULAR CHAIN OP NEC	2263	ETHMOIDECTOMY
194	MYRINGOPLASTY	2264	SPHENOIDECTOMY
1952	TYPE 2 TYMPANOPLASTY	2271	NASAL SINUS FISTULA CLOS
1953	TYPE 3 TYMPANOPLASTY	2279	NASAL SINUS REPAIR NEC
1954	TYPE 4 TYMPANOPLASTY	229	OTHER NASAL SINUS OPS
1955	TYPE 5 TYMPANOPLASTY	242	GINGIVOPLASTY
196	TYMPANOPLASTY REVISION	244	EXC OF DENTAL LES OF JAW
199	MIDDLE EAR REPAIR NEC	245	ALVEOLOPLASTY
2001	MYRINGOTOMY W INTUBATION	2502	OPEN BIOPSY OF TONGUE
2021	MASTOID INCISION	251	DESTRUCTION TONGUE LES
2022	PETRUS PYRAM AIR CEL INC	252	PARTIAL GLOSSECTOMY
2023	MIDDLE EAR INCISION	253	COMPLETE GLOSSECTOMY
2032	MID & INNER EAR BIOPSY	254	RADICAL GLOSSECTOMY
2039	MID/IN EAR DX PROC NEC	2559	REPAIR OF TONGUE NEC
2041	SIMPLE MASTOIDECTOMY	2594	OTHER GLOSSOTOMY
2042	RADICAL MASTOIDECTOMY	2599	TONGUE OPERATION NEC
2049	MASTOIDECTOMY NEC	2612	OPEN BX SALIV GLAND/DUCT
2051	EXCISE MIDDLE EAR LESION	2621	SALIVARY CYST MARSUPIAL
2059	MIDDLE EAR EXCISION NEC	2629	SALIV LESION EXCIS NEC
2061	INNER EAR FENESTRATION	2630	SIALOADENECTOMY NOS
2062	REVIS INNER EAR FENESTRA	2631	PARTIAL SIALOADENECTOMY
2071	ENDOLYMPHATIC SHUNT	2632	COMPLETE SIALOADENECTOMY
2072	INNER EAR INJECTION	2641	SUTURE OF SALIV GLND LAC
2079	INC/EXC/DESTR IN EAR NEC	2642	SALIVARY FISTULA CLOSURE
2091	TYMPANOSYMPATHECTOMY	2649	SALIVARY REPAIR NEC
2092	MASTOIDECTOMY REVISION	2699	SALIVARY OPERATION NEC
2093	REPAIR OVAL/ROUND WINDOW	270	DRAIN FACE & MOUTH FLOOR
2095	ELECMAG HEAR DEV IMPLANT	271	INCISION OF PALATE
2096	IMPLT COCHLEAR PROST NOS	2721	BONY PALATE BIOPSY
2097	IMP/REP SCHAN COCH PROS	2722	UVULA AND SOFT PALATE BX
2098	IMP/REP MCHAN COCHL PROS	2731	LOC EXC BONY PALATE LES
2099	MID-INNER EAR OPS NEC	2732	WIDE EXC BONY PALATE LES
2104	ETHMOID ART LIGAT-EPIST	2742	WIDE EXCISION OF LIP LES
2105	MAX ART LIG FOR EPISTAX	2743	EXCISION OF LIP LES NEC
2106	EXT CAROT ART LIG-EPIST	2749	EXCISION OF MOUTH NEC
2107	NASAL SEPT GRFT-EPISTAX	2753	CLOSURE OF MOUTH FISTULA

## Appendix A: Operating Room Procedure Code

2754	REPAIR OF CLEFT LIP	3175	TRACHEAL RECONSTRUCTION
2755	FULL-THICK GRFT TO MOUTH	3179	OTHER TRACHEAL REPAIR
2756	SKIN GRAFT TO MOUTH NEC	3191	LARYNGEAL NERV DIVISION
2757	PEDICLE ATTACH TO MOUTH	3192	LYSIS TRACH/LARYNX ADHES
2759	MOUTH REPAIR NEC	3198	OTH LARYNGEAL OPERATION
2761	SUTURE OF PALATE LACERAT	3199	OTHER TRACHEAL OPERATION
2762	CLEFT PALATE CORRECTION	320	OTHER TRACHEAL OPERATION
2763	REVIS CLEFT PALAT REPAIR	3209	OTHER DESTRUC BRONC LES
2769	OTH PLASTIC REPAIR PALAT	321	OTHER BRONCHIAL EXCISION
2771	INCISION OF UVULA	3221	EMPHYSEMA BLEB PPLICATION
2772	EXCISION OF UVULA	3222	LUNG VOL REDUCTION SURG
2773	REPAIR OF UVULA	3223	OPEN ABLTN LUNG LES/TISS OCT06-
2779	OTHER UVULA OPERATIONS	3224	PERC ABLTN LUNG LES/TISS OCT06-
2792	MOUTH INCISION NOS	3225	THOR ABLTN LUNG LES/TISS OCT06-
2799	ORAL CAVITY OPS NEC	3226	ABLTN LUNG TISS NEC/NOS OCT06-
280	PERITONSILLAR I & D	3229	DESTROY LOC LUNG LES NEC
2811	TONSIL&ADENOID BIOPSY	323	SEGMENTAL LUNG RESECTION
2819	TONSIL&ADENOID DX OP NEC	324	LOBECTOMY OF LUNG
282	TONSILLECTOMY	325	COMPLETE PNEUMONECTOMY
283	TONSILLECTOMY/ADENOIDEC	326	RAD DISSEC THORAC STRUCT
284	EXCISION OF TONSIL TAG	329	OTHER EXCISION OF LUNG
285	EXCISION LINGUAL TONSIL	330	INCISION OF BRONCHUS
286	ADENOIDECTOMY	331	INCISION OF LUNG
287	HEMORR CONTRL POST T & A	3325	OPEN BRONCHIAL BIOPSY
2891	INCIS TO REMOV TONSIL FB	3327	CLOS ENDOSCOPIC LUNG BX
2892	EXCIS TONSIL/ADENOID LES	3328	OPEN LUNG BIOPSY
2899	TONSIL/ADENOID OPS NEC	3329	BRONCH/LUNG DX PROC NEC
290	PHARYNGOTOMY	3334	THORACOPLASTY
292	EXC BRANCHIAL CLEFT CYST	3339	SURG COLLAPS OF LUNG NEC
293	EXC BRANCHIAL CLEFT CYST	3341	BRONCHIAL LACERAT SUTURE
2931	CRICOPHARYNGEAL MYOTOMY	3342	BRONCHIAL FISTULA CLOS
2932	PHARYNGEAL DIVERTICULEC	3343	LUNG LACERATION CLOSURE
2933	PHARYNGECTOMY	3348	BRONCHIAL REPAIR NEC
2939	EXCIS/DESTR LES PHAR NEC	3349	LUNG REPAIR NEC
294	PLASTIC OP ON PHARYNX	335	LUNG REPAIR NEC
2951	SUTURE OF PHARYNGEAL LAC	3350	LUNG TRANSPLANT NOS
2952	CLOS BRANCH CLEFT FISTUL	3351	UNILAT LUNG TRANSPLANT
2953	CLOS PHARYNX FISTULA NEC	3352	BILAT LUNG TRANSPLANT
2954	LYSIS PHARYNGEAL ADHES	336	COMB HEART/LUNG TRANSPLA
2959	PHARYNGEAL REPAIR NEC	3392	BRONCHIAL LIGATION
2992	DIVIS GLOSSOPHARYNG NERV	3393	PUNCTURE OF LUNG
2999	PHARYNGEAL OPERATION NEC	3398	BRONCHIAL OPERATION NEC
3001	LARYNX CYST MARSUPIALIZ	3399	LUNG OPERATION NEC
3009	DESTRUCT LARYNX LES NEC	3402	EXPLORATORY THORACOTOMY
301	HEMILARYNGECTOMY	3403	REOPEN THORACOTOMY SITE
3021	EPIGLOTTIDECTOMY	341	INCISION OF MEDIASTINUM
3022	VOCAL CORDECTOMY	3421	TRANSPLEURA THORACOSCOPY
3029	OTHER PART LARYNGECTOMY	3422	MEDIASTINOSCOPY
303	COMPLETE LARYNGECTOMY	3426	OPEN MEDIASTINAL BIOPSY
304	RADICAL LARYNGECTOMY	3427	BIOPSY OF DIAPHRAGM
3121	MEDIASTINAL TRACHEOSTOMY	3428	DX PROCEDURE THORAX NEC
3129	OTHER PERM TRACHEOSTOMY	3429	DX PROC MEDIASTINUM NEC
313	INCIS LARYNX TRACHEA NEC	343	DESTRUCT MEDIASTIN LES
3145	OPN BX LARYNX OR TRACHEA	344	DESTRUCT CHEST WALL LES
315	LOCAL DESTRUC TRACH LES	3451	DECORTICATION OF LUNG
3161	SUTURE OF LARYNGEAL LAC	3459	OTHER PLEURAL EXCISION
3162	LARYNGEAL FISTULA CLOS	346	SCARIFICATION OF PLEURA
3163	LARYNGOSTOMY REVISION	3473	CLOS THORACIC FISTUL NEC
3164	LARYNGEAL FX REPAIR	3474	PECTUS DEFORMITY REPAIR
3169	OTHER LARYNGEAL REPAIR	3479	OTHER CHEST WALL REPAIR
3171	SUTURE OF TRACHEAL LACER	3481	EXCISE DIAPHRAGM LESION
3172	CLOSURE OF TRACHEOSTOMY	3482	SUTURE DIAPHRAGM LACERAT
3173	TRACHEA FISTULA CLOS NEC	3483	CLOSE DIAPHRAGM FISTULA
3174	REVISION OF TRACHEOSTOMY	3484	OTHER DIAPHRAGM REPAIR

Appendix A: Operating Room Procedure Code

3485	IMPLANT DIAPHRA PACEMAKE	3612	AORTOCOR BYPAS-2 COR ART
3489	DIAPHRAGM OPERATION NEC	3613	AORTOCOR BYPAS-3 COR ART
3493	REPAIR OF PLEURA	3614	AORTCOR BYPAS-4+ COR ART
3499	THORACIC OPERATION NEC	3615	1 INT MAM-COR ART BYPASS
3500	CLOSED VALVOTOMY NOS	3616	2 INT MAM-COR ART BYPASS
3501	CLOSED AORTIC VALVOTOMY	3617	ABD-CORON ARTERY BYPASS
3502	CLOSED MITRAL VALVOTOMY	3619	HRT REVAS BYPS ANAS NEC
3503	CLOSED PULMON VALVOTOMY	362	ARTERIAL IMPLANT REVASC
3504	CLOSED TRICUSP VALVOTOMY	363	ARTERIAL IMPLANT REVASC
3510	OPEN VALVULOPLASTY NOS	3631	OPEN CHEST TRANS REVASC
3511	OPN AORTIC VALVULOPLASTY	3632	OTH TRANSMYO REVASCULAR
3512	OPN MITRAL VALVULOPLASTY	3633	ENDO TRANSMYO REVASCULAR OCT06-
3513	OPN PULMON VALVULOPLASTY	3634	PERC TRANSMYO REVASCULAR OCT06-
3514	OPN TRICUS VALVULOPLASTY	3639	OTH HEART REVASCULAR
3520	REPLACE HEART VALVE NOS	3691	CORON VESS ANEURYSM REP
3521	REPLACE AORT VALV-TISSUE	3699	HEART VESSEL OP NEC
3522	REPLACE AORTIC VALVE NEC	3710	INCISION OF HEART NOS
3523	REPLACE MITR VALV-TISSUE	3711	CARDIOTOMY
3524	REPLACE MITRAL VALVE NEC	3712	PERICARDIOTOMY
3525	REPLACE PULM VALV-TISSUE	3724	PERICARDIAL BIOPSY
3526	REPLACE PULMON VALVE NEC	3731	PERICARDIECTOMY
3527	REPLACE TRIC VALV-TISSUE	3732	HEART ANEURYSM EXCISION
3528	REPLACE TRICUSP VALV NEC	3733	EXC/DEST HRT LESION OPEN
3531	PAPILLARY MUSCLE OPS	3734	EXC/DEST HRT LES OTHER
3532	CHORDAE TENDINEAE OPS	3735	PARTIAL VENTRICULECTOMY
3533	ANNULOPLASTY	374	HEART & PERICARD REPAIR
3534	INFUNDIBULECTOMY	3741	IMPL CARDIAC SUPPORT DEV OCT05-
3535	TRABECUL CARNEAE CORD OP	3749	HEART/PERICARD REPR NEC OCT05-
3539	TISS ADJ TO VALV OPS NEC	375	HEART & PERICARD REPAIR
3542	CREATE SEPTAL DEFECT	3751	HEART TRANSPLANTATION OCT03-
3550	PROSTH REP HRT SEPTA NOS	3752	IMPLANT TOT REP HRT SYS
3551	PROS REP ATRIAL DEF-OPN	3753	REPL/REP THORAC UNIT HRT
3552	PROS REPAIR ATRIA DEF-CL	3754	REPL/REP OTH TOT HRT SYS
3553	PROST REPAIR VENTRIC DEF	3761	PULSATION BALLOON IMPLAN
3554	PROS REP ENDOCAR CUSHION	3762	IMPLANT HRT ASST SYS NEC
3555	PROS REP VENTRC DEF-CLOS OCT06-	3763	REPLACE HRT ASSIST SYST
3560	GRFT REPAIR HRT SEPT NOS	3764	REMOVE HEART ASSIST SYS
3561	GRAFT REPAIR ATRIAL DEF	3765	IMP EXT PUL HRT ASST SYS
3562	GRAFT REPAIR VENTRIC DEF	3766	IMP IMP PUL HRT ASST SYS
3563	GRFT REP ENDOCAR CUSHION	3767	IMP CARDIOMYOSTIMUL SYS
3570	HEART SEPTA REPAIR NOS	3774	INT OR REPL LEAD EPICAR
3571	ATRIA SEPTA DEF REP NEC	3775	REVISION OF LEAD
3572	VENTR SEPTA DEF REP NEC	3776	REPL TV ATRI-VENT LEAD
3573	ENDOCAR CUSHION REP NEC	3777	REMOVAL OF LEAD W/O REPL
3581	TOT REPAIR TETRAL FALLOT	3779	REVIS OR RELOCATE POCKET
3582	TOTAL REPAIR OF TAPVC	3780	INT OR REPL PERM PACEMKR
3583	TOT REP TRUNCUS ARTERIOS	3785	REPL PACEM W 1-CHAM, NON
3584	TOT COR TRANSPOS GRT VES	3786	REPL PACEM 1-CHAM, RATE
3591	INTERAT VEN RETRN TRANSP	3787	REPL PACEM W DUAL-CHAM
3592	CONDUIT RT VENT-PUL ART	3789	REVISE OR REMOVE PACEMAK
3593	CONDUIT LEFT VENTR-AORTA	3790	INS LEFT ATR APPEND DEV (OCT 04)
3594	CONDUIT ARTIUM-PULM ART	3791	OPN CHEST CARDIAC MASSAG
3595	HEART REPAIR REVISION	3794	IMPLT/REPL CARDDEFIB TOT
3596	PERC HEART VALVULOPLASTY	3795	IMPLT CARDIODEFIB LEADS
3598	OTHER HEART SEPTA OPS	3796	IMPLT CARDIODEFIB GENATR
3599	OTHER HEART VALVE OPS	3797	REPL CARDIODEFIB LEADS
3600	OTHER HEART VALVE OPS	3798	REPL CARDIODEFIB GENRATR
3601	PTCA-1 VES/ATH W/O AGENT	3799	OTHER HEART/PERICARD OPS
3602	PTCA-1 VES/ATH W AGENT	3800	INCISION OF VESSEL NOS
3603	OPEN CORONRY ANGIOPLASTY	3801	INTRACRAN VESSEL INCIS
3605	PTCA-MULTIPLE VESSEL/ATH	3802	HEAD/NECK VES INCIS NEC
3609	REM OF COR ART OBSTR NEC	3803	UPPER LIMB VESSEL INCIS
3610	AORTOCORONARY BYPASS NOS	3804	INCISION OF AORTA
3611	AORTOCOR BYPAS-1 COR ART	3805	THORACIC VESSEL INC NEC



Appendix A: Operating Room Procedure Code

3806	ABDOMEN ARTERY INCISION	3921	CAVAL-PULMON ART ANASTOM
3807	ABDOMINAL VEIN INCISION	3922	AORTA-SUBCLV-CAROT BYPAS
3808	LOWER LIMB ARTERY INCIS	3923	INTRATHORACIC SHUNT NEC
3809	LOWER LIMB VEIN INCISION	3924	AORTA-RENAL BYPASS
3810	ENDARTERECTOMY NOS	3925	AORTA-ILIAC-FEMOR BYPASS
3811	INTRACRAN ENDARTERECTOMY	3926	INTRA-ABDOMIN SHUNT NEC
3812	HEAD & NECK ENDARTER NEC	3927	DIALYSIS ARTERIOVENOSTOM
3813	UPPER LIMB ENDARTERECTOM	3928	EXTRACRAN-INTRACR BYPASS
3814	ENDARTERECTOMY OF AORTA	3929	VASC SHUNT & BYPASS NEC
3815	THORACIC ENDARTERECTOMY	3930	SUTURE OF VESSEL NOS
3816	ABDOMINAL ENDARTERECTOMY	3931	SUTURE OF ARTERY
3818	LOWER LIMB ENDARTERECT	3932	SUTURE OF VEIN
3821	BLOOD VESSEL BIOPSY	3941	POSTOP VASC OP HEM CONTR
3829	BLOOD VESSEL DX PROC NEC	3942	REVIS REN DIALYSIS SHUNT
3830	VESSEL RESECT/ANAST NOS	3943	REMOV REN DIALYSIS SHUNT
3831	INTRACRAN VES RESEC-ANAS	3949	VASC PROC REVISION NEC
3832	HEAD/NECK VES RESEC-ANAS	3950	ANGIO/ATH NON-CORO VES
3833	ARM VESSEL RESECT/ANAST	3951	CLIPPING OF ANEURYSM
3834	AORTA RESECTION & ANAST	3952	ANEURYSM REPAIR NEC
3835	THOR VESSEL RESECT/ANAST	3953	ARTERIOVEN FISTULA REP
3836	ABD VESSEL RESECT/ANAST	3954	RE-ENTRY OPERATION
3837	ABD VEIN RESECT & ANAST	3955	REIMPLAN ABERR RENAL VES
3838	LEG ARTERY RESECT/ANAST	3956	REPAIR VESS W TIS PATCH
3839	LEG VEIN RESECT/ANASTOM	3957	REP VESS W SYNTH PATCH
3840	VESSEL RESECT/REPLAC NOS	3958	REPAIR VESS W PATCH NOS
3841	INTRACRAN VES RESEC-REPL	3959	REPAIR OF VESSEL NEC
3842	HEAD/NECK VES RESEC-REPL	397	PER CARDIOPULMON BYPASS
3843	ARM VES RESECT W REPLACE	3971	ENDO IMPL GRFT ABD AORTA
3844	RESECT ABDM AORTA W REPL	3972	ENDOVASC REPAIR HEAD VES
3845	RESECT THORAC VES W REPL	3973	ENDO IMP GRFT THOR AORTA OCT05-
3846	ABD ARTERY RESEC W REPLA	3974	ENDO REM OBS HD/NECK VES OCT06-
3847	ABD VEIN RESECT W REPLAC	3979	ENDO REPAIR OTHER VESSEL
3848	LEG ARTERY RESEC W REPLA	398	VASCULAR BODY OPERATIONS
3849	LEG VEIN RESECT W REPLAC	3991	FREEING OF VESSEL
3850	VARICOSE V LIG-STRIP NOS	3992	VEIN INJECT-SCLEROS AGNT
3851	INTCRAN VAR V LIG-STRIP	3993	INSERT VES-TO-VES CANNUL
3852	HEAD/NECK VAR V LIG-STR	3994	REPLAC VES-TO-VES CANNUL
3853	ARM VARICOSE V LIG-STRIP	3998	HEMORRHAGE CONTROL NOS
3855	THORAC VAR V LIG-STRIP	3999	VESSEL OPERATION NEC
3857	ABD VARICOS V LIGA-STRIP	400	INCIS LYMPHATIC STRUCTUR
3859	LEG VARICOS V LIGA-STRIP	4011	LYMPHATIC STRUCT BIOPSY
3860	EXCISION OF VESSEL NOS	4019	LYMPHATIC DIAG PROC NEC
3861	INTRACRAN VESSEL EXCIS	4021	EXCIS DEEP CERVICAL NODE
3862	HEAD/NECK VESSEL EXCIS	4022	EXCISE INT MAMMARY NODE
3863	ARM VESSEL EXCISION	4023	EXCISE AXILLARY NODE
3864	EXCISION OF AORTA	4024	EXCISE INGUINAL NODE
3865	THORACIC VESSEL EXCISION	4029	SIMP EXC LYMPH STRUC NEC
3866	ABDOMINAL ARTERY EXCIS	403	REGIONAL LYMPH NODE EXC
3867	ABDOMINAL VEIN EXCISION	4040	RAD NECK DISSECTION NOS
3868	LEG ARTERY EXCISION	4041	UNILAT RAD NECK DISSECT
3869	LEG VEIN EXCISION	4042	BILAT RAD NECK DISSECT
387	INTERRUPTION VENA CAVA	4050	RAD NODE DISSECTION NOS
3880	SURG VESSEL OCCLUS NEC	4051	RAD DISSEC AXILLARY NODE
3881	OCCLUS INTRACRAN VES NEC	4052	RAD DISSEC PERIAORT NODE
3882	OCCLUS HEAD/NECK VES NEC	4053	RAD DISSECT ILIAC NODES
3883	OCCLUDE ARM VESSEL NEC	4054	RADICAL GROIN DISSECTION
3884	OCCLUDE AORTA NEC	4059	RAD NODE DISSECTION NEC
3885	OCCLUDE THORACIC VES NEC	4061	THORAC DUCT CANNULATION
3886	OCCLUDE ABD ARTERY NEC	4062	THORACIC DUCT FISTULIZAT
3887	OCCLUDE ABD VEIN NEC	4063	CLOSE THORACIC DUCT FIST
3888	OCCLUDE LEG ARTERY NEC	4064	LIGATE THORACIC DUCT
3889	OCCLUDE LEG VEIN NEC	4069	THORACIC DUCT OP NEC
390	SYSTEMIC-PULM ART SHUNT	409	LYMPH STRUCTURE OP NEC
391	INTRA-ABD VENOUS SHUNT	410	BONE MARROW TRNSPLNT

Appendix A: Operating Room Procedure Code

4100	BONE MARROW TRNSPLNT NOS	4349	LOCAL GASTR DESTRUCT NEC
4101	AUTO BONE MT W/O PURG	435	PROXIMAL GASTRECTOMY
4102	ALO BONE MARROW TRNSPLNT	436	DISTAL GASTRECTOMY
4103	ALLOGRFT BONE MARROW NOS	437	PART GASTREC W JEJ ANAST
4104	AUTO HEM STEM CT W/O PUR	4381	PART GAST W JEJ TRANSPOS
4105	ALLO HEM STEM CT W/O PUR	4389	PARTIAL GASTRECTOMY NEC
4106	CORD BLD STEM CELL TRANS	4391	TOT GAST W INTES INTERPO
4107	AUTO HEM STEM CT W PURG	4399	TOTAL GASTRECTOMY NEC
4108	ALLO HEM STEM CT W PURG	4400	VAGOTOMY NOS
4109	AUTO BONE MT W PURGING	4401	TRUNCAL VAGOTOMY
412	SPLENOTOMY	4402	HIGHLY SELECT VAGOTOMY
4133	OPEN SPLEEN BIOPSY	4403	SELECTIVE VAGOTOMY NEC
4141	SPLENIC CYST MARSUPIAL	4411	TRANSABDOMIN GASTROSCOPY
4142	EXC SPLENIC LESION/TISS	4415	OPEN GASTRIC BIOPSY
4143	PARTIAL SPLENECTOMY	442	GASTRIC DIAGNOS PROC NEC
415	TOTAL SPLENECTOMY	4421	DILATE PYLORUS, INCISION
4193	EXC OF ACCESSORY SPLEEN	4429	OTHER PYLOROPLASTY
4194	SPLEEN TRANSPLANTATION	4431	HIGH GASTRIC BYPASS
4195	REPAIR OF SPLEEN	4432	PERCU GASTROJEJUNOSTOMY
4199	SPLEEN OPERATION NEC	4438	LAP GASTROENTEROSTOMY (OCT 04)
4201	ESOPHAGEAL WEB INCISION	4439	GASTROENTEROSTOMY NEC
4209	ESOPHAGEAL INCISION NEC	4440	SUTURE PEPTIC ULCER NOS
4210	ESOPHAGOSTOMY NOS	4441	SUT GASTRIC ULCER SITE
4211	CERVICAL ESOPHAGOSTOMY	4442	SUTURE DUODEN ULCER SITE
4212	ESOPH POUCH EXTERIORIZAT	445	REVISION GASTRIC ANASTOM
4219	EXT FISTULIZAT ESOPH NEC	4461	SUTURE GASTRIC LACERAT
4221	ESOPHAGOSCOPY BY INCIS	4463	CLOSE GASTRIC FISTUL NEC
4225	OPEN BIOPSY OF ESOPHAGUS	4464	GASTROPEXY
4231	LOC EXCIS ESOPH DIVERTIC	4465	ESOPHAGOGASTROPLASTY
4232	LOCAL EXCIS ESOPHAG NEC	4466	CREAT ESOPHAGASTR SPHINC
4239	DESTRUCT ESOPHAG LES NEC	4467	LAP CREAT ESOPH SPHINCT (OCT 04)
4240	ESOPHAGECTOMY NOS	4468	LAPAROSCOP GASTROPLSTY (OCT 04)
4241	PARTIAL ESOPHAGECTOMY	4469	GASTRIC REPAIR NEC
4242	TOTAL ESOPHAGECTOMY	4491	LIGATE GASTRIC VARICES
4251	THORAC ESOPHAGUESOPHAGOS	4492	INTRAOP GASTRIC MANIPUL
4252	THORAC ESOPHAGOGASTROST	4495	LAP GASTRIC RESTRIC PROC (OCT 04)
4253	THORAC SM BOWEL INTERPOS	4496	LAP REV GAST RESTRI PROC (OCT 04)
4254	THORAC ESOPHAGOENTER NEC	4497	LAP REM GAST RESTRIC DEV (OCT 04)
4255	THORAC LG BOWEL INTERPOS	4498	ADJUST GAST RESTRICT DEV (OCT 04)
4256	THORAC ESOPHAGOCOLOS NEC	4499	GASTRIC OPERATION NEC
4258	THORAC INTERPOSITION NEC	4500	INTESTINAL INCISION NOS
4259	THORAC ESOPHAG ANAST NEC	4501	DUODENAL INCISION
4261	STERN ESOPHAGUESOPHAGOST	4502	SMALL BOWEL INCISION NEC
4262	STERN ESOPHAGOGASTROSTOM	4503	LARGE BOWEL INCISION
4263	STERN SM BOWEL INTERPOS	4511	TRANSAB SM BOWEL ENDOSC
4264	STERN ESOPHAGOENTER NEC	4515	OPEN SMALL BOWEL BIOPSY
4265	STERN LG BOWEL INTERPOS	4521	TRANSAB LG BOWEL ENDOSC
4266	STERN ESOPHAGOCOLOS NEC	4526	OPEN LARGE BOWEL BIOPSY
4268	STERN INTERPOSITION NEC	4531	OTH EXCISE DUODENUM LES
4269	STERN ESOPHAG ANAST NEC	4532	DESTRUCT DUODEN LES NEC
427	ESOPHAGOMYOTOMY	4533	LOCAL EXCIS SM BOWEL NEC
4282	SUTURE ESOPHAGEAL LACER	4534	DESTR SM BOWEL LES NEC
4283	ESOPHAGOSTOMY CLOSURE	4541	EXCISE LG INTESTINE LES
4284	ESOPH FISTULA REPAIR NEC	4549	DESTRUC LG BOWEL LES NEC
4285	ESOPHAG STRICTURE REPAIR	4550	INTEST SEG ISOLAT NOS
4286	PROD SUBQ TUNNEL NO ANAS	4551	SM BOWEL SEGMENT ISOLAT
4287	ESOPHAGEAL GRAFT NEC	4552	LG BOWEL SEGMENT ISOLAT
4289	ESOPHAGEAL REPAIR NEC	4561	MULT SEG SM BOWEL EXCIS
4291	LIGATION ESOPH VARIX	4562	PART SM BOWEL RESECT NEC
430	GASTROTOMY	4563	TOTAL REMOVAL SM BOWEL
431	GASTROTOMY	4571	MULT SEG LG BOWEL EXCIS
432	OTHER GASTROSTOMY	4572	CECECTOMY
433	PYLOROMYOTOMY	4573	RIGHT HEMICOLECTOMY
4342	LOCAL GASTR EXCISION NEC	4574	TRANSVERSE COLON RESECT

Appendix A: Operating Room Procedure Code

4575	LEFT HEMICOLECTOMY	4835	LOCAL EXCIS RECTAL LES
4576	SIGMOIDECTOMY	4841	SOAVE SUBMUC RECT RESECT
4579	PART LG BOWEL EXCIS NEC	4849	PULL-THRU RECT RESEC NEC
458	TOT INTRA-ABD COLECTOMY	485	ABD-PERINEAL RECT RESECT
4590	INTESTINAL ANASTOM NOS	4861	TRANS SAC RECTOSIGMOIDECT
4591	SM-TO-SM BOWEL ANASTOM	4862	ANT RECT RESECT W COLOST
4592	SM BOWEL-RECT STUMP ANAS	4863	ANTERIOR RECT RESECT NEC
4593	SMALL-TO-LARGE BOWEL NEC	4864	POSTERIOR RECT RESECTION
4594	LG-TO-LG BOWEL ANASTOM	4865	DUHAMEL RECTAL RESECTION
4595	ANAL ANASTOMOSIS	4866	DUHAMEL RECTAL RESECTION
4601	SM BOWEL EXTERIORIZATION	4869	RECTAL RESECTION NEC
4602	RESECT EXT SEG SM BOWEL	4871	SUTURE OF RECTAL LACER
4603	LG BOWEL EXTERIORIZATION	4872	CLOSURE OF PROCTOSTOMY
4604	RESECT EXT SEG LG BOWEL	4873	CLOSE RECTAL FIST NEC
4610	COLOSTOMY NOS	4874	RECTORECTOSTOMY
4611	TEMPORARY COLOSTOMY	4875	ABDOMINAL PROCTOPEXY
4612	TEMPORARY COLOSTOMY	4876	PROCTOPEXY NEC
4613	PERMANENT COLOSTOMY	4879	REPAIR OF RECTUM NEC
4620	ILEOSTOMY NOS	4881	PERIRECTAL INCISION
4621	TEMPORARY ILEOSTOMY	4882	PERIRECTAL EXCISION
4622	CONTINENT ILEOSTOMY	4891	INCIS RECTAL STRICTURE
4623	PERMANENT ILEOSTOMY NEC	4892	ANORECTAL MYOMECTOMY
4640	INTEST STOMA REVIS NOS	4893	REPAIR PERIRECT FISTULA
4641	SM BOWEL STOMA REVISION	4899	RECTAL PERIRECT OP NEC
4642	PERICOLEST HERNIA REPAIR	4901	INCIS PERIANAL ABSCESS
4643	LG BOWEL STOMA REVIS NEC	4902	PERIANAL INCISION NEC
4650	INTEST STOMA CLOSURE NOS	4904	PERIANAL EXCISION NEC
4651	SM BOWEL STOMA CLOSURE	4911	ANAL FISTULOTOMY
4652	LG BOWEL STOMA CLOSURE	4912	ANAL FISTULECTOMY
4660	INTESTINAL FIXATION NOS	493	ANAL/PERIAN DX PROC NEC
4661	SM BOWEL-ABD WALL FIXAT	4939	OTHER DESTRUC ANUS LES
4662	SMALL BOWEL FIXATION NEC	4944	HEMORRHOID CRYOTHERAPY
4663	LG BOWEL-ABD WALL FIXAT	4945	HEMORRHOID LIGATION
4664	LARGE BOWEL FIXATION NEC	4946	HEMORRHOIDECTOMY
4671	DUODENAL LACERAT SUTURE	4949	HEMORRHOID PROCEDURE NEC
4672	DUODENAL FISTULA CLOSURE	4951	LEFT LAT SPHINCTEROTOMY
4673	SMALL BOWEL SUTURE NEC	4952	POST SPHINCTEROTOMY
4674	CLOSE SM BOWEL FIST NEC	4959	ANAL SPHINCTEROTOMY NEC
4675	SUTURE LG BOWEL LACERAT	496	EXCISION OF ANUS
4676	CLOSE LG BOWEL FISTULA	4971	SUTURE ANAL LACERATION
4679	REPAIR OF INTESTINE NEC	4972	ANAL CERCLAGE
4680	INTRA-AB BOWEL MANIP NOS	4973	CLOSURE OF ANAL FISTULA
4681	INTRA-ABD SM BOWEL MANIP	4974	GRACILIS MUSC TRANSPLAN
4682	INTRA-ABD LG BOWEL MANIP	4975	IMPL OR REV ART ANAL SPH
4691	MYOTOMY OF SIGMOID COLON	4976	REMOV ART ANAL SPHINCTER
4692	MYOTOMY OF COLON NEC	4979	ANAL SPHINCT REPAIR NEC
4693	REVISE SM BOWEL ANASTOM	4991	INCISION OF ANAL SEPTUM
4694	REVISE LG BOWEL ANASTOM	4992	INSERT SUBQ ANAL STIMUL
4697	TRANSPLANT OF INTESTINE	4993	ANAL INCISION NEC
4699	INTESTINAL OP NEC	4994	REDUCTION ANAL PROLAPSE
470	INTESTINAL OP NEC	4995	CONTROL ANAL HEMORRHAGE
4701	LAP APPENDECTOMY	4999	ANAL OPERATION NEC
4709	OTHER APPENDECTOMY	500	HEPATOTOMY
471	OTHER APPENDECTOMY	5012	OPEN LIVER BIOPSY
4711	LAP INCID APPENDECTOMY	5019	HEPATIC DX PROC NEC
4719	OTHER INCID APPENDECTOMY	5021	MARSUPIALIZAT LIVER LES
472	DRAIN APPENDICEAL ABS	5022	PARTIAL HEPATECTOMY
4791	APPENDICOSTOMY	5023	OPN ABLTN LIVER LES/TISS OCT06-
4792	CLOSE APPENDICEAL FISTUL	5024	PERC ABLTN LIVER LES/TIS OCT06-
4799	APPENDICEAL OPS NEC	5025	LAP ABLTN LIVER LES/TISS OCT06-
480	PROCTOTOMY	5026	ABLTN LIVER LES/TISS NEC OCT06-
481	PROCTOSTOMY	5029	DESTRUC HEPATIC LES NEC
4821	TRANSAB PROCTOSIGMOIDOSC	503	HEPATIC LOBECTOMY
4825	OPEN RECTAL BIOPSY	504	TOTAL HEPATECTOMY

Appendix A: Operating Room Procedure Code

5051	AUXILIARY LIVER TRANSPL	5295	PANCREATIC REPAIR NEC
5059	LIVER TRANSPLANT NEC	5296	PANCREATIC ANASTOMOSIS
5061	CLOSURE LIVER LACERAT	5299	PANCREATIC OPERATION NEC
5069	LIVER REPAIR NEC	5300	UNILAT ING HERN REP NOS
5102	TROCAR CHOLECYSTOSTOMY	5301	REPAIR DIRECT ING HERNIA
5103	CHOLECYSTOSTOMY NEC	5302	REPAIR INDIR ING HERNIA
5104	CHOLECYSTOTOMY NEC	5303	DIR ING HERNIA REP-GRAFT
5113	OPEN BILIARY TRACT BX	5304	IND ING HERNIA REP-GRAFT
5119	BILIARY TR DX PROC NEC	5305	ING HERNIA REP-GRAFT NOS
5121	OTH PART CHOLECYSTECTOMY	5310	BILAT ING HERNIA REP NOS
5122	CHOLECYSTECTOMY	5311	BILAT DIR ING HERN REP
5123	LAPAROSCOPIC CHOLECYSTEC	5312	BILAT IND ING HERN REP
5124	LAP PART CHOLECYSTECTOMY	5313	BIL DIR/IND ING HRN REP
5131	GB-TO-HEPAT DUCT ANAST	5314	BIL DIR ING HRN REP-GRFT
5132	GB-TO-INTESTINE ANASTOM	5315	BIL IND ING HRN REP-GRFT
5133	GB-TO-PANCREAS ANASTOM	5316	BIL DIR/IND ING HERN-PRO
5134	GB-TO-STOMACH ANASTOMOS	5317	BIL ING HRN REP-GRFT NOS
5135	GALLBLADDER ANASTOM NEC	5321	UNIL FEMOR HRN REP-GRFT
5136	CHOLEDOCHOENTEROSTOMY	5329	UNIL FEMOR HERN REP NEC
5137	HEPATIC DUCT-GI ANASTOM	5331	BIL FEM HERN REPAIR-GRFT
5139	BILE DUCT ANASTOMOS NEC	5339	BIL FEM HERN REPAIR NEC
5141	CDE FOR CALCULUS REMOV	5341	UMBIL HERNIA REPAIR-GRFT
5142	CDE FOR OBSTRUCTION NEC	5349	UMBIL HERNIA REPAIR NEC
5143	CHOLEDOCHOHEPAT INTUBAT	5351	INCISIONAL HERNIA REPAIR
5149	INCIS OBSTR BILE DUC NEC	5359	ABD WALL HERN REPAIR NEC
5151	COMMON DUCT EXPLORATION	5361	INCIS HERNIA REPAIR-GRFT
5159	BILE DUCT INCISION NEC	5369	ABD HERN REPAIR-GRFT NEC
5161	EXCIS CYST DUCT REMNANT	537	ABD REPAIR-DIAPHR HERNIA
5162	EXCIS AMPULLA OF VATER	5380	THOR REP-DIAPH HERN NOS
5163	COMMON DUCT EXCIS NEC	5381	DIAPHRAGMATIC PPLICATION
5169	BILE DUCT EXCISION NEC	5382	PARASTERN HERNIA REPAIR
5171	SIMPLE SUT-COMMON DUCT	539	OTHER HERNIA REPAIR
5172	CHOLEDOCHOPLASTY	540	ABDOMINAL WALL INCISION
5179	BILE DUCT REPAIR NEC	5411	EXPLORATORY LAPAROTOMY
5181	SPHINCTER OF ODDI DILAT	5412	REOPEN RECENT LAP SITE
5182	PANCREAT SPHINCTEROTOM	5419	LAPAROTOMY NEC
5183	PANCREAT SPHINCTEROPLAS	5421	LAPAROSCOPY
5189	SPHINCT OF ODDI OP NEC	5422	ABDOMINAL WALL BIOPSY
5191	REPAIR GB LACERATION	5423	PERITONEAL BIOPSY
5192	CLOSURE CHOLECYSTOSTOMY	5429	ABD REGION DX PROC NEC
5193	CLOS BILIARY FISTUL NEC	543	DESTRUCT ABD WALL LESION
5194	REVIS BILE TRACT ANASTOM	544	DESTRUCT PERITONEAL TISS
5195	REMOVE BILE DUCT PROSTH	545	DESTRUCT PERITONEAL TISS
5199	BILIARY TRACT OP NEC	5451	LAP PERITON ADHESIOLYSIS
5201	CATH DRAIN-PANCREAT CYST	5459	OTH PERITON ADHESIOLYSIS
5209	PANCREATOTOMY NEC	5461	RECLOSE POST OP DISRUPT
5212	OPEN PANCREATIC BIOPSY	5462	DELAYED CLOS ABD WOUND
5219	PANCREATIC DX PROC NEC	5463	ABD WALL SUTURE NEC
522	PANCREATIC DX PROC NEC	5464	PERITONEAL SUTURE
5222	OTHER DESTRU PANCREA LES	5471	REPAIR OF GASTROSCHISIS
523	PANCREAT CYST MARSUPIALI	5472	ABDOMEN WALL REPAIR NEC
524	INT DRAIN PANCREAT CYST	5473	PERITONEAL REPAIR NEC
5251	PROXIMAL PANCREATECTOMY	5474	OMENTAL REPAIR NEC
5252	DISTAL PANCREATECTOMY	5475	MESENTERIC REPAIR NEC
5253	RAD SUBTOT PANCREATECTOM	5492	REMOVE FB FROM PERITON
5259	PARTIAL PANCREATECT NEC	5493	CREATE CUTANPERITON FIST
526	TOTAL PANCREATECTOMY	5494	CREAT PERITONEOVAS SHUNT
527	RAD PANCREATICODUODENECT	5495	PERITONEAL INCISION
5280	PANCREAT TRANSPLANT NOS	5501	NEPHROTOMY
5281	REIMPLANT PANCREATIC TIS	5502	NEPHROSTOMY
5282	PANCREATIC HOMOTRANSPLAN	5503	PERCU NEPHROSTM W/O FRAG
5283	PANCREATIC HETEROTRANSPL	5504	PERCU NEPHROSTMY W FRAG
5291	TRNSPLNT ISLETS LANG NOS	5511	PYELOTOMY
5292	CANNULATION PANCREA DUC	5512	PYELOSTOMY

Appendix A: Operating Room Procedure Code

5524	OPEN RENAL BIOPSY	5734	OPEN BLADDER BIOPSY
5529	RENAL DIAGNOST PROC NEC	5739	BLADDER DIAGNOS PROC NEC
5531	RENAL LES MARSUPIALIZAT	5741	TU ADHESIOLYSIS BLADDER
5532	OPN ABLTN RENAL LES/TISS OCT06-	5749	TU DESTRUC BLADD LES NEC
5533	PERC ABLTN RENL LES/TISS OCT06-	5751	EXCISION OF URACHUS
5534	LAP ABLTN RENAL LES/TISS OCT06-	5759	BLADDER LES DESTRUCT NEC
5535	ABLTN RENAL LES/TISS NEC OCT06-	576	PARTIAL CYSTECTOMY
5539	LOC DESTR RENAL LES NEC	5771	RADICAL CYSTECTOMY
554	PARTIAL NEPHRECTOMY	5779	TOTAL CYSTECTOMY NEC
5551	NEPHROURETERECTOMY	5781	SUTURE BLADDER LACERAT
5552	SOLITARY KIDNEY NEPHRECT	5782	CYSTOSTOMY CLOSURE
5553	REJECTED KIDNEY NEPHRECT	5783	ENTEROVESICO FIST REPAIR
5554	BILATERAL NEPHRECTOMY	5784	VESIC FISTULA REPAIR NEC
5561	RENAL AUTOTRANSPLANT	5785	CYSTOURETHROPLASTY
5569	KIDNEY TRANSPLANT NEC	5786	BLADDER EXSTROPHY REPAIR
557	NEPHROPEXY	5787	BLADDER RECONSTRUCTION
5581	SUTURE KIDNEY LACERATION	5788	BLADDER ANASTOMOSIS NEC
5582	CLOSE NEPHROST & PYELOST	5789	BLADDER REPAIR NEC
5583	CLOSE RENAL FISTULA NEC	5791	BLADDER SPHINCTEROTOMY
5584	REDUCE RENAL PEDICL TORS	5793	CONTROL BLADD HEMORRHAGE
5585	SYMPHYSIOTOMY	5796	IMPLANT BLADDER STIMULAT
5586	RENAL ANASTOMOSIS	5797	REPLACE BLADDER STIMULAT
5587	CORRECT URETEROPELV JUNC	5798	REMOVE BLADDER STIMULAT
5589	RENAL REPAIR NEC	5799	BLADDER OPERATION NEC
5591	RENAL DECAPSULATION	580	URETHROTOMY
5597	IMPLANT MECHANIC KIDNEY	581	URETHRAL MEATOTOMY
5598	REMOV MECHANICAL KIDNEY	5841	SUTURE URETHRAL LACERAT
5599	RENAL OPERATION NEC	5842	URETHROSTOMY CLOSURE
560	TU REMOV URETER OBSTRUCT	5843	CLOSE URETH FISTULA NEC
561	URETERAL MEATOTOMY	5844	URETHRAL REANASTOMOSIS
562	URETEROTOMY	5845	HYPO-EPISPADIUS REPAIR
5634	OPEN URETERAL BIOPSY	5846	URETH RECONSTRUCTION NEC
5639	URETERAL DX PROCEDUR NEC	5847	URETHRAL MEATOPLASTY
5640	URETERECTOMY NOS	5849	URETHRAL REPAIR NEC
5641	PARTIAL URETERECTOMY	585	URETH STRICTURE RELEASE
5642	TOTAL URETERECTOMY	5891	PERIURETHRAL INCISION
5651	FORM CUTAN ILEOURETEROST	5892	PERIURETHRAL EXCISION
5652	REVIS CUTAN ILEOURETEROS	5893	IMPLT ARTF URIN SPHINCT
5661	FORM CUTAN URETEROSTOMY	5899	URETH/PERIURETH OP NEC
5662	REVIS CUTAN URETEROS NEC	5900	RETROPERIT DISSECT NOS
5671	URIN DIVERSION TO BOWEL	5901	RETROPERIT DISSECT NOS
5672	REVIS URETEROENTEROSTOMY	5902	PERIREN ADHESIOLYS NEC
5673	NEPHROCYSTANASTOMOSI NOS	5903	LAP LYS PERIREN/URET ADH
5674	URETERONEOCYSTOSTOMY	5909	PERIREN/URETER INCIS NEC
5675	TRANSURETEROURETEROSTOMY	5911	OTH LYS PERIVES ADHESIO
5679	URETERAL ANASTOMOSIS NEC	5912	LAP LYS PERIVESURETH ADH
5681	INTRALUM URETE ADHESIOLY	5919	PERIVESICAL INCISION NEC
5682	SUTURE URETERAL LACERAT	5921	PERIREN/URETERAL BIOPSY
5683	URETEROSTOMY CLOSURE	5929	PERIREN/URET DX PROC NEC
5684	CLOSE URETER FISTULA NEC	593	URETHROVES JUNCT PLICAT
5685	URETEROPEXY	594	SUPRAPUBIC SLING OP
5686	REMOVE URETERAL LIGATURE	595	RETROPUBIC URETH SUSPENS
5689	REPAIR OF URETER NEC	596	PARAURETHRAL SUSPENSION
5692	IMPLANT URETERAL STIMUL	5971	LEVATOR MUSC SUSPENSION
5693	REPLACE URETERAL STIMUL	5979	URIN INCONTIN REPAIR NEC
5694	REMOVE URETERAL STIMULAT	5991	PERIREN/VESICLE EXCISION
5695	LIGATION OF URETER	5992	PERIREN/VESICLE OP NEC
5699	URETERAL OPERATION NEC	600	INCISION OF PROSTATE
5712	CYSTOTOMY & ADHESIOLYSIS	6012	OPEN PROSTATIC BIOPSY
5718	OTHER SUPRAPU CYSTOSTOMY	6014	OPEN SEMINAL VESICLES BX
5719	CYSTOTOMY NEC	6015	PERIPROSTATIC BIOPSY
5721	VESICOSTOMY	6018	PROSTATIC DX PROCED NEC
5722	REVISE CLO VESICOSTOMY	6019	SEMIN VES DX PROCED NEC
5733	CLOS TRANSURETH BLADD BX	602	SEMIN VES DX PROCED NEC

Appendix A: Operating Room Procedure Code

6021	TRANSURETH PROSTATECTOMY	645	SEX TRANSFORMAT OP NEC
6029	OTH TRANSURETH PROSTATEC	6492	INCISION OF PENIS
603	SUPRAPUBIC PROSTATECTOMY	6493	DIVISION OF PENILE ADHES
604	RETROPUBIC PROSTATECTOMY	6495	INS NONINFL PENIS PROSTH
605	RADICAL PROSTATECTOMY	6496	REMOVE INT PENILE PROSTH
6061	LOS EXCIS PROSTATIC LES	6497	INS INFLATE PENIS PROSTH
6062	PERINEAL PROSTATECTOMY	6498	PENILE OPERATION NEC
6069	PROSTATECTOMY NEC	6499	MALE GENITAL OP NEC
6072	SEMINAL VESICLE INCISION	650	MALE GENITAL OP NEC
6073	SEMINAL VESICLE EXCISION	6501	LAPAROSCOPIC OOPHOROTOMY
6079	SEMINAL VESICLE OP NEC	6509	OTHER OOPHOROTOMY
6081	PERIPROSTATIC INCISION	6511	OVARIAN ASPIRAT BIOPSY
6082	PERIPROSTATIC EXCISION	6512	OVARIAN BIOPSY NEC
6093	REPAIR OF PROSTATE	6513	LAP BIOPSY OF OVARY
6094	CONTROL PROSTATE HEMORR	6514	OTH LAP DX PROC OVARIES
6095	TRANS BAL DIL PROS URETH	6519	OVARIAN DX PROCEDURE NEC
6096	TU DESTR PROSTATE BY MT	6521	OVARIAN CYST MARSUPIALIZ
6097	OTH TU DESTR PROS - RT	6522	OVARIAN WEDGE RESECTION
6099	PROSTATIC OPERATION NEC	6523	LAP MARSUP OVARIAN CYST
612	EXCISION OF HYDROCELE	6524	LAP WEDGE RESECT OVARY
6142	SCROTAL FISTULA REPAIR	6525	OTH LAP LOC EXC DEST OVA
6149	SCROTUM/TUNIC REPAIR NEC	6529	LOCAL DESTR OVA LES NEC
6192	EXCISION TUNICA LES NEC	653	LOCAL DESTR OVA LES NEC
6199	SCROTUM & TUNICA OP NEC	6531	LAP UNILAT OOPHORECTOMY
620	INCISION OF TESTES	6539	OTH UNILAT OOPHORECTOMY
6212	OPEN TESTICULAR BIOPSY	654	OTH UNILAT OOPHORECTOMY
6219	TESTES DX PROCEDURE NEC	6541	LAP UNI SALPINGO-OOPHOR
622	TESTICULAR LES DESTRUCT	6549	OTH UNI SALPINGO-OOPHOR
623	UNILATERAL ORCHIECTOMY	6551	OTH REMOVE BOTH OVARIES
6241	REMOVE BOTH TESTES	6552	OTH REMOVE REMAIN OVARY
6242	REMOVE SOLITARY TESTIS	6553	LAP REMOVE BOTH OVARIES
625	ORCHIOPEXY	6554	LAP REMOVE REMAIN OVARY
6261	SUTURE TESTICULAR LACER	6561	OTH REMOVE OVARIES/TUBES
6269	TESTICULAR REPAIR NEC	6562	OTH REMOVE REM OVA/TUBE
627	INSERT TESTICULAR PROSTH	6563	LAP REMOVE OVARIES/TUBES
6299	TESTICULAR OPERATION NEC	6564	LAP REMOVE REM OVA/TUBE
6309	SPERMAT CORD/VAS DX NEC	6571	OTH SIMPLE SUTURE OVARY
631	EXC SPERMATIC VARICOCELE	6572	OTH REIMPLANT OF OVARY
632	EXCISE EPIDIDYMIS CYST	6573	OTH SALPINGO-OOPHOROPLAS
633	EXCISE CORD/EPID LES NEC	6574	LAP SIMPLE SUTURE OVARY
634	EPIDIDYMECTOMY	6575	LAP REIMPLANT OF OVARY
6351	SUTURE CORD & EPID LACER	6576	LAP SALPINGO-OOPHOROPLAS
6353	TRANSPLANT SPERMAT CORD	6579	REPAIR OF OVARY NEC
6359	CORD & EPIDID REPAIR NEC	658	REPAIR OF OVARY NEC
6381	SUTURE VAS & EPIDID LAC	6581	LAP ADHESIOLYS OVA/TUBE
6382	POSTOP VAS RECONSTRUCT	6589	ADHESIOLYSIS OVARY/TUBE
6383	EPIDIDYMOVASOSTOMY	6591	ASPIRATION OF OVARY
6385	REMOV VAS DEFERENS VALVE	6592	TRANSPLANTATION OF OVARY
6389	VAS & EPIDIDY REPAIR NEC	6593	MANUAL RUPT OVARIAN CYST
6392	EPIDIDYMYOTOMY	6594	OVARIAN DENERVATION
6393	SPERMATIC CORD INCISION	6595	OVARIAN TORSION RELEASE
6394	SPERM CORD ADHESIOLYSIS	6599	OVARIAN OPERATION NEC
6395	INSERT VALVE IN VAS DEF	660	OVARIAN OPERATION NEC
6399	CORD/EPID/VAS OPS NEC	6601	SALPINGOTOMY
640	CIRCUMCISION	6602	SALPINGOSTOMY
6411	PENILE BIOPSY	6611	FALLOPIAN TUBE BIOPSY
642	LOCAL EXCIS PENILE LES	6619	FALLOP TUBE DX PROC NEC
643	AMPUTATION OF PENIS	6621	BILAT ENDOSC CRUSH TUBE
6441	SUTURE PENILE LACERATION	6622	BILAT ENDOSC DIVIS TUBE
6442	RELEASE OF CHORDEE	6629	BILAT ENDOSC OCC TUBE NEC
6443	CONSTRUCTION OF PENIS	6631	BILAT TUBAL CRUSHING NEC
6444	RECONSTRUCTION OF PENIS	6632	BILAT TUBAL DIVISION NEC
6445	REPLANTATION OF PENIS	6639	BILAT TUBAL DESTRUCT NEC
6449	PENILE REPAIR NEC	664	TOTAL UNILAT SALPINGECT



Appendix A: Operating Room Procedure Code

6651	REMOVE BOTH FALLOP TUBES	6919	DESTRUC UTER SUPPORT NEC
6652	REMOVE SOLITARY FAL TUBE	6921	INTERPOSIT OP UTERIN LIG
6661	DESTROY FALLOP TUBE LES	6922	UTERINE SUSPENSION NEC
6662	REMOV TUBE & ECTOP PREG	6923	VAG REPAIR INVERS UTERUS
6663	BILAT PART SALPINGEC NOS	6929	UTERUS/ADNEXA REPAIR NEC
6669	PARTIAL SALPINGECTOM NEC	693	PARACERV UTERINE DENERV
6671	SIMPL SUTURE FALLOP TUBE	6941	SUTURE UTERINE LACERAT
6672	SALPINGO-OOPHOROSTOMY	6942	CLOSURE UTERINE FISTULA
6673	SALPINGO-SALPINGOSTOMY	6949	UTERINE REPAIR NEC
6674	SALPINGO-UTEROSTOMY	6951	ASPIRAT CURET-PREG TERMI
6679	FALLOP TUBE REPAIR NEC	6952	ASPIRAT CURET-POST DELIV
6692	UNILAT FALLOP TUBE DESTR	6995	INCISION OF CERVIX
6693	IMPL FALLOP TUBE PROSTH	6997	REMOVE PENETRAT CERV FB
6694	REMOV FALLOP TUBE PROSTH	6998	UTERINE SUPPORT OP NEC
6695	BLOW THERAPEUT INTO TUBE	6999	UTERINE OPERATION NEC
6696	FALLOPIAN TUBE DILATION	7012	CULDOTOMY
6697	BURY FIMBRIAE IN UTERUS	7013	INTRALUM VAG ADHESIO LYS
6699	FALLOPIAN TUBE OP NEC	7014	VAGINOTOMY NEC
6711	ENDOCERVICAL BIOPSY	7023	CUL-DE-SAC BIOPSY
6712	CERVICAL BIOPSY NEC	7024	VAGINAL BIOPSY
6719	CERVICAL DX PROCEDUR NEC	7029	VAGIN/CUL-DE-SAC DX NEC
672	CONIZATION OF CERVIX	7031	HYMENECTOMY
6731	CERVICAL CYST MARSUPIAL	7032	EXCIS CUL-DE-SAC LESION
6732	CERVICAL LES CAUTERIZAT	7033	EXCISION VAGINAL LESION
6733	CERVICAL LES CRYOTHERAPY	704	VAGINAL OBLITERATION
6739	CERVICAL LES DESTRUC NEC	7050	CYSTOCEL/RECTOCEL REPAIR
674	AMPUTATION OF CERVIX	7051	CYSTOCELE REPAIR
675	AMPUTATION OF CERVIX	7052	RECTOCELE REPAIR
6751	TRANSAB CERCLAGE CERVIX	7061	VAGINAL CONSTRUCTION
6759	OTH REP INT CERVICAL OS	7062	VAGINAL RECONSTRUCTION
6761	SUTURE CERVICAL LACERAT	7071	SUTURE VAGINA LACERATION
6762	CERVICAL FISTULA REPAIR	7072	REPAIR COLOVAGIN FISTULA
6769	CERVICAL REPAIR NEC	7073	REPAIR RECTOVAG FISTULA
680	HYSTEROTOMY	7074	REP VAGINOENT FISTUL NEC
6813	OPEN UTERINE BIOPSY	7075	REPAIR VAG FISTULA NEC
6814	OPEN UTERINE LIGAMENT BX	7076	HYMENORRHAPHY
6815	CLOS UTERINE LIGAMENT BX	7077	VAGINAL SUSPENS & FIXAT
6816	CLOSED UTERINE BIOPSY	7079	VAGINAL REPAIR NEC
6819	UTERUS/ADNEX DX PROC NEC	708	VAGINAL VAULT OBLITERAT
6821	ENDOMET SYNECHIAE DIVIS	7091	VAGINAL OPERATION NEC
6822	INCISION UTERINE SEPTUM	7092	CUL-DE-SAC OPERATION NEC
6823	ENDOMETRIAL ABLATION	7101	VULVAR ADHESIOLYSIS
6829	UTERINE LES DESTRUCT NEC	7109	INCIS VULVA/PERINEUM NEC
683	UTERINE LES DESTRUCT NEC	7111	VULVAR BIOPSY
6831	LAP SCERVIC HYSTERECTOMY	7119	VULVAR DIAGNOS PROC NEC
6839	OTH SUBTOT ABD HYSTERECT OCT03-	7122	INCISE BARTHOLIN'S GLAND
684	TOTAL ABD HYSTERECTOMY	7123	BARTHOLIN GLAND MARSUP
6841	LAP TOTAL ABDOMINAL HYST OCT06-	7124	DESTRUC BARTHOLIN GLAND
6849	TOTAL ABD HYST NEC/NOS OCT06-	7129	BARTHOLIN'S GLAND OP NEC
685	VAGINAL HYSTERECTOMY	713	LOCAL VULVAR EXCIS NEC
6851	LAP AST VAG HYSTERECTOMY	714	OPERATIONS ON CLITORIS
6859	VAG HYSTERECTOMY NEC/NOS	715	RADICAL VULVECTOMY
686	RADICAL ABD HYSTERECTOMY	7161	UNILATERAL VULVECTOMY
6861	LAP RADICAL ABDOMNL HYST OCT06-	7162	BILATERAL VULVECTOMY
6869	RADICAL ABD HYST NEC/NOS OCT06-	7171	SUTURE VULVAR LACERATION
687	RADICAL VAG HYSTERECTOMY	7172	REPAIR VULVAR FISTULA
6871	LAP RADICAL VAGINAL HYST OCT06-	7179	VULVAR/PERIN REPAIR NEC
6879	RADICAL VAG HYST NEC/NOS OCT06-	718	OTHER VULVAR OPERATIONS
688	PELVIC EVISCERATION	719	OTHER FEMALE GENITAL OPS
689	HYSTERECTOMY NEC/NOS	7394	PUBIOTOMY TO ASSIST DEL
6901	D & C FOR PREG TERMINAT	7399	OPS ASSISTING DELIV NEC
6902	D & C POST DELIVERY	740	CLASSICAL C-SECTION
6909	D & C NEC	741	LOW CERVICAL C-SECTION
6911	D & C NEC	742	EXTRAPERITONEAL C-SECT

Appendix A: Operating Room Procedure Code

743	REM EXTRATUB ECTOP PREG	7719	BONE INCIS W/O DIV NEC
744	CESAREAN SECTION NEC	7720	WEDGE OSTECTOMY NOS
7491	HYSTEROTOMY TO TERMIN PG	7721	CHEST CAGE WEDG OSTECTOM
7499	CESAREAN SECTION NOS	7722	HUMERUS WEDGE OSTECTOMY
7536	CORRECTION FETAL DEFECT	7723	RADIUS/ULNA WEDG OSTECTO
7550	REPAIR OB LAC UTERUS NOS	7724	METACAR/CAR WEDG OSTECTO
7551	REPAIR OB LACERAT CERVIX	7725	FEMORAL WEDGE OSTECTOMY
7552	REPAIR OB LAC CORP UTERI	7726	PATELLAR WEDGE OSTECTOMY
7561	REPAIR OB LAC BLAD/URETH	7727	TIBIA/FIBUL WEDG OSTECTO
7593	SURG CORR INVERT UTERUS	7728	METATAR/TAR WEDG OSTECTO
7599	OBSTETRIC OPERATION NEC	7729	WEDGE OSTECTOMY NEC
7601	FACIAL BONE SEQUESTRECT	7730	OTHER BONE DIVISION NOS
7609	FACIAL BONE INCISION NEC	7731	CHEST CAGE BONE DIV NEC
7611	FACIAL BONE BIOPSY	7732	HUMERUS DIVISION NEC
7619	FACIAL BONE DX PROC NEC	7733	RADIUS/ULNA DIVISION NEC
762	DESTRUCT FACIAL BONE LES	7734	METACAR/CAR DIVISION NEC
7631	PARTIAL MANDIBULECTOMY	7735	FEMORAL DIVISION NEC
7639	PART FACIAL OSTECTOM NEC	7736	PATELLAR DIVISION NEC
7641	TOT MANDIBULEC W RECONST	7737	TIBIA/FIBULA DIV NEC
7642	TOTAL MANDIBULECTOMY NEC	7738	METATAR/TAR DIVISION NEC
7643	MANDIBULAR RECONST NEC	7739	BONE DIVISION NEC
7644	TOT FACE OSTECT W RECONS	7740	BONE BIOPSY NOS
7645	TOT FACE BONE OSTECT NEC	7741	CHEST CAGE BONE BIOPSY
7646	FACIAL BONE RECONSTR NEC	7742	HUMERUS BIOPSY
765	TEMPOROMAND ARTHROPLASTY	7743	RADIUS & ULNA BIOPSY
7661	CL OSTEOPLASTY MAND RAMI	7744	METACARPAL/CARPAL BIOPSY
7662	OPEN OSTEOPLAS MAND RAMI	7745	FEMORAL BIOPSY
7663	OSTEOPLASTY MANDIBLE BDY	7746	PATELLAR BIOPSY
7664	MAND ORTHOGNATHIC OP NEC	7747	TIBIA & FIBULA BIOPSY
7665	SEG OSTEOPLASTY MAXILLA	7748	METATARSAL/TARSAL BIOPSY
7666	TOT OSTEOPLASTY MAXILLA	7749	BONE BIOPSY NEC
7667	REDUCTION GENIOPLASTY	7751	BUNIONECT/SFT/OSTECTOMY
7668	AUGMENTATION GENIOPLASTY	7752	BUNIONECT/SFT/ARTHRODES
7669	FACIAL BONE REPAIR NEC	7753	OTH BUNIONECT W SFT CORR
7670	REDUCTION FACIAL FX NOS	7754	EXC CORRECT BUNIONETTE
7672	OPN REDUCT MALAR/ZYGO FX	7756	REPAIR OF HAMMER TOE
7674	OPEN REDUCT MAXILLARY FX	7757	REPAIR OF CLAW TOE
7676	OPEN REDUCT MANDIBLE FX	7758	OTH EXC, FUS, REPAIR TOE
7677	OPEN REDUCT ALVEOLAR FX	7759	BUNIONECTOMY NEC
7679	OPEN REDUCT FACE FX NEC	7760	LOC EXC BONE LESION NOS
7691	BONE GRAFT TO FACE BONE	7761	EXC CHEST CAGE BONE LES
7692	SYN IMPLANT TO FACE BONE	7762	LOC EXC BONE LES HUMERUS
7694	OPEN REDUCT TM DISLOCAT	7763	LOC EXC LES RADIUS/ULNA
7697	REMOVE INT FIX FACE BONE	7764	LOC EXC LES METACAR/CAR
7699	FACIAL BONE/JNT OP NEC	7765	LOC EXC BONE LES FEMUR
7700	SEQUESTRECTOMY NOS	7766	LOC EXC BONE LES PATELLA
7701	CHEST CAGE SEQUESTREC	7767	LOC EXC LES TIBIA/FIBULA
7702	HUMERUS SEQUESTRECTOMY	7768	LOC EXC LES METATAR/TAR
7703	RADIUS & ULNA SEQUESTREC	7769	LOC EXC BONE LESION NEC
7704	METACARP/CARP SEQUESTREC	7770	EXCISE BONE FOR GRFT NOS
7705	FEMORAL SEQUESTRECTOMY	7771	EX CHEST CAGE BONE-GFT
7706	PATELLAR SEQUESTRECTOMY	7772	EXCISE HUMERUS FOR GRAFT
7707	TIBIA/FIBULA SEQUESTREC	7773	EXCIS RADIUS/ULNA-GRAFT
7708	METATAR/TAR SEQUESTREC	7774	EXCIS METACAR/CAR-GRAFT
7709	SEQUESTRECTOMY NEC	7775	EXCISE FEMUR FOR GRAFT
7710	OTHER BONE INCISION NOS	7776	EXCISE PATELLA FOR GRAFT
7711	OTHER CHEST CAGE INCIS	7777	EXCISE TIB/FIB FOR GRAFT
7712	OTHER HUMERUS INCISION	7778	EXCIS METATAR/TAR-GRAFT
7713	OTHER RADIUS/ULNA INCIS	7779	EXCISE BONE FOR GFT NEC
7714	OTH METACARP/CARP INCIS	7780	OTH PART OSTECTOMY NOS
7715	OTHER FEMORAL INCISION	7781	OTH CHEST CAGE OSTECTOMY
7716	OTHER PATELLAR INCISION	7782	PARTIAL HUMERECTOMY NEC
7717	OTHER TIBIA/FIBULA INCIS	7783	PART OSTECT-RADIUS/ULNA
7718	OTH METATARS/TARS INCIS	7784	PART OSTECT-METACAR/CAR

## Appendix A: Operating Room Procedure Code

7785	PART OSTECTOMY-FEMUR	7852	INT FIXATION-HUMERUS
7786	PARTIAL PATELLECTOMY	7853	INT FIXATION-RADIUS/ULNA
7787	PART OSTECT-TIBIA/FIBULA	7854	INT FIXATION-METACAR/CAR
7788	PART OSTECT-METATAR/TAR	7855	INTERNAL FIXATION-FEMUR
7789	PARTIAL OSTECTOMY NEC	7856	INTERNAL FIX-PATELLA
7790	TOTAL OSTECTOMY NOS	7857	INT FIXATION-TIBIA/FIBUL
7791	TOT CHEST CAGE OSTECTOMY	7858	INT FIXATION-METATAR/TAR
7792	TOTAL OSTECTOMY-HUMERUS	7859	INT FIX-NO FX REDUCT NEC
7793	TOT OSTECT-RADIUS/ULNA	7860	REMOVE IMP DEVICE NOS
7794	TOT OSTECT-METACARP/CARP	7861	REMOV IMP DEV-CHEST CAGE
7795	TOT OSTECTOMY-FEMUR	7862	REMOVE IMPL DEV-HUMERUS
7796	TOTAL PATELLECTOMY	7863	REMOV IMP DEV-RADIUS/ULN
7797	TOT OSTECT-TIBIA/FIBULA	7864	REMOV IMP DEV-METAC/CARP
7798	TOT OSTECT-METATARS/TARS	7865	REMOVE IMP DEVICE-FEMUR
7799	TOTAL OSTECTOMY NEC	7866	REMOV IMP DEVICE-PATELLA
7800	BONE GRAFT NOS	7867	REMOV IMP DEV-TIB/FIBULA
7801	BONE GRAFT TO CHEST CAGE	7868	REMOVE IMP DEV-METAT/TAR
7802	BONE GRAFT TO HUMERUS	7869	REMOVE IMPL DEVICE NEC
7803	BONE GRAFT-RADIUS/ULNA	7870	OSTEOCLASIS NOS
7804	BONE GRFT TO METACAR/CAR	7871	OSTEOCLASIS-CHEST CAGE
7805	BONE GRAFT TO FEMUR	7872	OSTEOCLASIS-HUMERUS
7806	BONE GRAFT TO PATELLA	7873	OSTEOCLASIS-RADIUS/ULNA
7807	BONE GRAFT-TIBIA/FIBULA	7874	OSTEOCLASIS-METACAR/CAR
7808	BONE GRAFT-METATAR/TAR	7875	OSTEOCLASIS-FEMUR
7809	BONE GRAFT NEC	7876	OSTEOCLASIS-PATELLA
7810	APPLIC EXT FIX DEV NOS	7877	OSTEOCLASIS-TIBIA/FIBULA
7811	APPL EXT FIX-CHEST CAGE	7878	OSTEOCLASIS-METATAR/TAR
7812	APPLIC EXT FIX-HUMERUS	7879	OSTEOCLASIS NEC
7813	APPL EXT FIX-RADIUS/ULNA	7880	OTHER BONE DX PROC NOS
7814	APPL EXT FIX-METACAR/CAR	7881	OTH DX PROCED-CHEST CAGE
7815	APPLIC EXT FIX DEV-FEMUR	7882	OTH DX PROCED-HUMERUS
7816	APPL EXT FIX DEV-PATELLA	7883	OTH DX PROC-RADIUS/ULNA
7817	APPL EXT FIX-TIB/FIBULA	7884	OTH DX PROC-METACAR/CAR
7818	APPL EXT FIX-METATAR/TAR	7885	OTH DX PROCED-FEMUR
7819	APPLIC EXT FIX DEV NEC	7886	OTH DX PROCED-PATELLA
7820	LIMB SHORTEN PROC NOS	7887	OTH DX PROC-TIBIA/FIBULA
7822	LIMB SHORT PROC-HUMERUS	7888	OTH DX PROC-METATAR/TAR
7823	LIMB SHORTEN-RADIUS/ULNA	7889	OTHER BONE DX PROC NEC
7824	LIMB SHORTEN-METACAR/CAR	7890	INSERT BONE STIMUL NOS
7825	LIMB SHORT PROC-FEMUR	7891	INSERT BONE STIMUL-CHEST
7827	LIMB SHORTEN-TIB/FIBULA	7892	INSERT BONE STIM-HUMERUS
7828	LIMB SHORTEN-METATAR/TAR	7893	INSER BONE STIM-RAD/ULNA
7829	LIMB SHORTEN PROC NEC	7894	INSER BONE STIM-META/CAR
7830	LIMB LENGTHEN PROC NOS	7895	INSERT BONE STIM-FEMUR
7831	LIMB LENGTHEN PROC NOS	7896	INSERT BONE STIM-PATELLA
7832	LIMB LENGTH PROC-HUMERUS	7897	INSER BONE STIM-TIB/FIB
7833	LIMB LENGTH-RADIUS/ULNA	7898	INSER BONE STIM-META/TAR
7834	LIMB LENGTH-METACAR/CAR	7899	INSERT BONE STIMUL NEC
7835	LIMB LENGTH PROC-FEMUR	7910	CL FX REDUC-INT FIX NOS
7837	LIMB LENGTHEN-TIB/FIBULA	7911	CLOS RED-INT FIX HUMERUS
7838	LIMB LENGTHN-METATAR/TAR	7912	CL RED-INT FIX RAD/ULNA
7839	LIMB LENGTHEN PROC NEC	7913	CL RED-INT FIX METAC/CAR
7840	OTH BONE REPAIR/PLAST OP	7914	CLOSE RED-INT FIX FINGER
7841	OTH CHEST CAGE REP/PLAST	7915	CLOSED RED-INT FIX FEMUR
7842	OTH HUMERUS REPAIR/PLAST	7916	CL RED-INT FIX TIB/FIBU
7843	OTH RAD/ULN REPAIR/PLAST	7917	CL RED-INT FIX METAT/TAR
7844	OTH METAC/CARP REP/PLAST	7918	CLOSE RED-INT FIX TOE FX
7845	OTH FEMUR REPAIR/PLASTIC	7919	CL FX REDUC-INT FIX NEC
7846	OTH PATELLA REPAIR/PLAST	7920	OPEN FX REDUCTION NOS
7847	OTH TIB/FIB REPAIR/PLAST	7921	OPEN REDUC-HUMERUS FX
7848	OTH META/TAR REPA/PLAST	7922	OPEN REDUC-RADIUS/ULN FX
7849	OTH BONE REPA/PLAST NEC	7923	OPEN REDUC-METAC/CAR FX
7850	INT FIX W/O FX REDUC NOS	7924	OPEN REDUCTION-FINGER FX
7851	INT FIXATION-CHEST CAGE	7925	OPEN REDUCTION-FEMUR FX

Appendix A: Operating Room Procedure Code

7926	OPEN REDUC-TIBIA/FIB FX	8008	ARTHROT/PROS REMOV-FOOT
7927	OPEN REDUC-METAT/TARS FX	8009	ARTHROT & PROS REMOV NEC
7928	OPEN REDUCTION-TOE FX	8010	OTHER ARTHROTOMY NOS
7929	OPEN FX REDUCTION NEC	8011	OTH ARTHROTOMY-SHOULDER
7930	OPN FX RED W INT FIX NOS	8012	OTH ARTHROTOMY-ELBOW
7931	OPEN RED-INT FIX HUMERUS	8013	OTH ARTHROTOMY-WRIST
7932	OP RED-INT FIX RAD/ULNA	8014	OTH ARTHROTOMY-HAND/FNGR
7933	OP RED-INT FIX METAC/CAR	8015	OTH ARTHROTOMY-HIP
7934	OPEN RED-INT FIX FINGER	8016	OTH ARTHROTOMY-KNEE
7935	OPEN REDUC-INT FIX FEMUR	8017	OTH ARTHROTOMY-ANKLE
7936	OP RED-INT FIX TIB/FIBUL	8018	OTH ARTHROTOMY-FOOT/TOE
7937	OP RED-INT FIX METAT/TAR	8019	OTHER ARTHROTOMY NEC
7938	OPEN REDUCT-INT FIX TOE	8020	ARTHROSCOPY NOS
7939	OPN FX RED W INT FIX NEC	8021	SHOULDER ARTHROSCOPY
7940	CLS REDUC-SEP EPIPHY NOS	8022	ELBOW ARTHROSCOPY
7941	CLOSE RED-HUMERUS EPIPHY	8023	WRIST ARTHROSCOPY
7942	CLS RED-RADIUS/UL EPIPHY	8024	HAND & FINGER ARTHROSCOP
7945	CLOSE REDUC-FEMUR EPIPHY	8025	HIP ARTHROSCOPY
7946	CLS RED-TIBIA/FIB EPIPHY	8026	KNEE ARTHROSCOPY
7949	CLS REDUC-SEP EPIPHY NEC	8027	ANKLE ARTHROSCOPY
7950	OPEN RED-SEP EPIPHY NOS	8028	FOOT & TOE ARTHROSCOPY
7951	OPN RED-SEP EPIPHY-HUMER	8029	ARTHROSCOPY NEC
7952	OP RED-RADIUS/ULN EPIPHY	8040	JT STRUCTUR DIVISION NOS
7955	OPN RED-SEP EPIPHY-FEMUR	8041	SHOULDER STRUCT DIVISION
7956	OP RED-TIBIA/FIB EPIPHYS	8042	ELBOW STRUCTURE DIVISION
7959	OPEN RED-SEP EPIPHY NEC	8043	WRIST STRUCTURE DIVISION
7960	OPEN FX SITE DEBRIDE NOS	8044	HAND JOINT STRUCT DIVIS
7961	DEBRID OPEN FX-HUMERUS	8045	HIP STRUCTURE DIVISION
7962	DEBRID OPN FX-RADIUS/ULN	8046	KNEE STRUCTURE DIVISION
7963	DEBRID OPN FX-METAC/CAR	8047	ANKLE STRUCTURE DIVISION
7964	DEBRID OPN FX-FINGER	8048	FOOT JOINT STRUCT DIVIS
7965	DEBRID OPN FX-FEMUR	8049	JT STRUCTUR DIVISION NEC
7966	DEBRID OPN FX-TIBIA/FIB	805	JT STRUCTUR DIVISION NEC
7967	DEBRID OPN FX-METAT/TAR	8050	EXC/DEST INTVRT DISC NOS
7968	DEBRID OPN FX-TOE	8051	EXCISION INTERVERT DISC
7969	OPEN FX SITE DEBRIDE NEC	8059	OTH EXC/DEST INTVRT DISC
7980	OPEN REDUC-DISLOCAT NOS	806	EXCIS KNEE SEMILUN CARTL
7981	OPN REDUC DISLOC-SHOULDR	8070	SYNOVECTOMY-SITE NOS
7982	OPEN REDUC-ELBOW DISLOC	8071	SHOULDER SYNOVECTOMY
7983	OPEN REDUC-WRIST DISLOC	8072	ELBOW SYNOVECTOMY
7984	OPN REDUC DISLOC-HAND	8073	WRIST SYNOVECTOMY
7985	OPEN REDUC-HIP DISLOCAT	8074	HAND SYNOVECTOMY
7986	OPEN REDUC-KNEE DISLOCAT	8075	HIP SYNOVECTOMY
7987	OPEN REDUC-ANKLE DISLOC	8076	KNEE SYNOVECTOMY
7988	OPN REDUC DISLOC-FT/TOE	8077	ANKLE SYNOVECTOMY
7989	OPEN REDUC-DISLOCAT NEC	8078	FOOT SYNOVECTOMY
7990	UNSPEC OP BONE INJ NOS	8079	SYNOVECTOMY-SITE NEC
7991	HUMERUS INJURY OP NOS	8080	DESTRUCT JOINT LES NOS
7992	RADIUS/ULNA INJ OP NOS	8081	DESTRUC-SHOULDER LES NEC
7993	METACARP/CARP INJ OP NOS	8082	DESTRUC-ELBOW LESION NEC
7994	FINGER INJURY OP NOS	8083	DESTRUC-WRIST LESION NEC
7995	FEMUR INJURY OP NOS	8084	DESTRUC-HAND JT LES NEC
7996	TIBIA/FIBULA INJ OP NOS	8085	DESTRUCT-HIP LESION NEC
7997	METATARS/TARS INJ OP NOS	8086	DESTRUCT-KNEE LESION NEC
7998	TOE INJURY OPERATION NOS	8087	DESTRUC-ANKLE LESION NEC
7999	UNSPEC OP-BONE INJ NEC	8088	DESTRUC-FOOT JT LES NEC
8000	ARTHROT & PROS REMOV NOS	8089	DESTRUCT JOINT LES NEC
8001	ARTHROT/PROS REMOV-SHLDR	8090	EXCISION OF JOINT NOS
8002	ARTHROT/PROS REMOV-ELBOW	8091	EXCISION OF SHOULDER NEC
8003	ARTHROT/PROS REMOV-WRIST	8092	EXCISION OF ELBOW NEC
8004	ARTHROT/PROS REMOV-HAND	8093	EXCISION OF WRIST NEC
8005	ARTHROT/PROS REMOV-HIP	8094	EXCISION HAND JOINT NEC
8006	ARTHROT/PROS REMOV-KNEE	8095	EXCISION OF HIP NEC
8007	ARTHROT/PROS REMOV-ANKLE	8096	EXCISION OF KNEE NEC

Appendix A: Operating Room Procedure Code

8097	EXCISION OF ANKLE NEC	8166	KYPHOPLASTY (OCT 04)
8098	EXCISION FOOT JOINT NEC	8169	OTH HIP REPAIR JAN80--SEP89 OCT05-
8099	EXCISION OF JOINT NEC	8171	ARTHROPLAS METACARP WIT
8100	SPINAL FUSION NOS	8172	ARTHROPLASTY METACAR W/O
8101	ATLAS-AXIS FUSION	8173	TOTAL WRIST REPLACEMENT
8102	OTHER CERVICAL FUS ANT	8174	ARTHROPLASTY CARPAL WIT
8103	OTHER CERVICAL FUS POST	8175	ARTHROPLASTY CARPAL W/O
8104	DORSAL/DORSOLUM FUS ANT	8179	OTH REPAIR HAN/FIN/WRIS
8105	DORSAL/DORSOLUM FUS POST	8180	TOTAL SHOULDER REPLACE
8106	LUMBAR/LUMBOSAC FUS ANT	8181	PARTIAL SHOULDER REPLACE
8107	LUMBAR/LUMBOSAC FUS LAT	8182	REP RECUR SHLDER DISLOC
8108	LUMBAR/LUMBOSAC FUS POST	8183	SHOULDER ARTHROPLAST NEC
8109	LUMBAR/LUMBOSAC FUS POST	8184	TOTAL ELBOW REPLACEMENT
8111	ANKLE FUSION	8185	ELBOW ARTHROPLASTY NEC
8112	TRIPLE ARTHRODESIS	8186	ELBOW ARTHROPLASTY NEC
8113	SUBTALAR FUSION	8187	ELBOW ARTHROPLASTY NEC
8114	MIDTARSAL FUSION	8193	SUTUR CAPSUL/LIGAMEN ARM
8115	TARSOMETATARSAL FUSION	8194	SUTURE CAPSUL/LIG ANK/FT
8116	METATARSOPHALANGEAL FUS	8195	SUTUR CAPSUL/LIG LEG NEC
8117	OTHER FUSION OF FOOT	8196	OTHER REPAIR OF JOINT
8118	OTHER FUSION OF FOOT	8197	REV JT REPL UPPER EXTREM
8120	ARTHRODESIS NOS	8198	OTHER JOINT DX PROCEDURE
8121	ARTHRODESIS OF HIP	8199	JOINT STRUCTURE OP NEC
8122	ARTHRODESIS OF KNEE	8201	EXPLOR TEND SHEATH-HAND
8123	ARTHRODESIS OF SHOULDER	8202	MYOTOMY OF HAND
8124	ARTHRODESIS OF ELBOW	8203	BURSOTOMY OF HAND
8125	CARPORADIAL FUSION	8209	INC SOFT TISSUE HAND NEC
8126	METACARPOCARPAL FUSION	8211	TENOTOMY OF HAND
8127	METACARPOPHALANGEAL FUS	8212	FASCIOTOMY OF HAND
8128	INTERPHALANGEAL FUSION	8219	DIV SOFT TISSUE HAND NEC
8129	ARTHRODESIS NEC	8221	EXC LES TEND SHEATH HAND
8130	SPINAL REFUSION NOS	8222	EXCISION HAND MUSCLE LES
8131	REFUSION OF ATLAS-AXIS	8229	EXC LES SFT TISS HND NEC
8132	REFUSION OF OTH CERV ANT	8231	BURSECTOMY OF HAND
8133	REFUS OF OTH CERV POST	8232	EXCIS HAND TEND FOR GRFT
8134	REFUSION OF DORSAL ANT	8233	HAND TENONECTOMY NEC
8135	REFUSION OF DORSAL POST	8234	EXC HND MUS/FAS FOR GRFT
8136	REFUSION OF LUMBAR ANT	8235	HAND FASCIECTOMY NEC
8137	REFUSION OF LUMBAR LAT	8236	OTHER MYECTOMY OF HAND
8138	REFUSION OF LUMBAR POST	8239	HAND SOFT TISSUE EXC NEC
8139	REFUSION OF SPINE NEC	8241	SUTURE TENDN SHEATH HAND
8140	REPAIR OF HIP, NEC	8242	DELAY SUT FLEX TEND HAND
8141	REPAIR OF HIP, NEC	8243	DELAY SUT HAND TEND NEC
8142	FIVE-IN-ONE KNEE REPAIR	8244	SUTUR FLEX TEND HAND NEC
8143	TRIAD KNEE REPAIR	8245	SUTURE HAND TENDON NEC
8144	PATELLAR STABILIZATION	8246	SUTURE HAND MUSCLE/FASC
8145	CRUCIATE LIG REPAIR NEC	8251	HAND TENDON ADVANCEMENT
8146	COLLATERL LIG REPAIR NEC	8252	HAND TENDON RECEPTION
8147	OTHER REPAIR OF KNEE	8253	HAND TENDON REATTACHMENT
8148	OTHER REPAIR OF KNEE	8254	HAND MUSCLE REATTACHMENT
8149	OTHER REPAIR OF ANKLE	8255	CHNG HND MUS/TEN LNG NEC
8151	TOTAL HIP REPLACEMENT	8256	TRANSPLANT HAND TEND NEC
8152	PARTIAL HIP REPLACEMENT	8257	TRANSPOSIT HAND TEND NEC
8153	REVISE HIP REPLACEMENT	8258	TRANSPLANT HAND MUSC NEC
8154	TOTAL KNEE REPLACEMENT	8259	TRANSPOSIT HAND MUSC NEC
8155	REVISE KNEE REPLACEMENT	8261	POLLICIZATION OPERATION
8156	TOTAL ANKLE REPLACEMENT	8269	THUMB RECONSTRUCTION NEC
8157	REPL JOINT OF FOOT, TOE	8271	HAND TEND PULLEY RECONST
8159	REV JT REPL LOW EXT NEC	8272	PLAST OP HND-MUS/FAS GRF
8161	360 SPINAL FUSION	8279	PLAST OP HAND W GRFT NEC
8162	FUS/REFUS 2-3 VERTEBRAE	8281	TRANSFER OF FINGER
8163	FUS/REFUS 4-8 VERTEBRAE	8282	REPAIR OF CLEFT HAND
8164	FUS/REFUS 9 VERTEBRAE	8283	REPAIR OF MACRODACTYLY
8165	VERTEBROPLASTY (OCT 04)	8284	REPAIR OF MALLET FINGER

Appendix A: Operating Room Procedure Code

8285	OTHER TENODESIS OF HAND	8412	AMPUTATION THROUGH FOOT
8286	OTHER TENOPLASTY OF HAND	8413	DISARTICULATION OF ANKLE
8289	HAND PLASTIC OP NEC	8414	AMPUTAT THROUGH MALLEOLI
8291	LYSIS OF HAND ADHESIONS	8415	BELOW KNEE AMPUTAT NEC
8299	HAND MUS/TEN/FAS/OPS NEC	8416	DISARTICULATION OF KNEE
8301	TENDON SHEATH EXPLORAT	8417	ABOVE KNEE AMPUTATION
8302	MYOTOMY	8418	DISARTICULATION OF HIP
8303	BURSOTOMY	8419	HINDQUARTER AMPUTATION
8309	SOFT TISSUE INCISION NEC	8421	THUMB REATTACHMENT
8311	ACHILLOTENOTOMY	8422	FINGER REATTACHMENT
8312	ADDUCTOR TENOTOMY OF HIP	8423	FOREARM/WRIST/HAND REATT
8313	OTHER TENOTOMY	8424	UPPER ARM REATTACHMENT
8314	FASCIOTOMY	8425	TOE REATTACHMENT
8319	SOFT TISSUE DIVISION NEC	8426	FOOT REATTACHMENT
8321	SOFT TISSUE BIOPSY	8427	LOWER LEG/ANKLE REATTACH
8329	SOFT TISSUE DX PROC NEC	8428	THIGH REATTACHMENT
8331	EXCIS LES TENDON SHEATH	8429	REATTACHMENT NEC
8332	EXCIS LESION OF MUSCLE	843	AMPUTATION STUMP REVIS
8339	EXC LES SOFT TISSUE NEC	8440	IMPLNT/FIT PROS LIMB NOS
8341	TENDON EXCISION FOR GRFT	8444	IMPLANT ARM PROSTHESIS
8342	OTHER TENONECTOMY	8448	IMPLANT LEG PROSTHESIS
8343	MUSC/FASC EXCIS FOR GRFT	8458	IMP INTRSPINE DECOMP DEV OCT05-
8344	OTHER FASCIECTOMY	8459	INSERT OTH SPIN DEVICE
8345	OTHER MYECTOMY	8460	INSERT DISC PROS NOS (OCT 04)
8349	OTHER SOFT TISSUE EXCIS	8461	INS PART DISC PROS CERV (OCT 04)
835	BURSECTOMY	8462	INS TOT DISC PROST CERV (OCT 04)
8361	TENDON SHEATH SUTURE	8463	INS SPIN DISC PROS THOR (OCT 04)
8362	DELAYED TENDON SUTURE	8464	INS PART DISC PROS LUMB (OCT 04)
8363	ROTATOR CUFF REPAIR	8465	INS TOTL DISC PROS LUMB (OCT 04)
8364	OTHER SUTURE OF TENDON	8466	REVISE DISC PROST CERV (OCT 04)
8365	OTHER MUSCLE/FASC SUTURE	8467	REVISE DISC PROST THORA (OCT 04)
8371	TENDON ADVANCEMENT	8468	REVISE DISC PROSTH LUMB (OCT 04)
8372	TENDON RECESSION	8469	REVISE DISC PROSTH NOS (OCT 04)
8373	TENDON REATTACHMENT	8472	APP EXT FIX DEV-RING SYS OCT05-
8374	MUSCLE REATTACHMENT	8473	APP HYBRID EXT FIX DEV OCT05-
8375	TENDON TRNSFR/TRANSPLANT	8491	AMPUTATION NOS
8376	OTHER TENDON TRANSPOSIT	8492	SEPARAT EQUAL JOIN TWIN
8377	MUSCLE TRNSFR/TRANSPLANT	8493	SEPARAT UNEQUJ JOIN TWIN
8379	OTHER MUSCLE TRANSPOSIT	8499	MUSCULOSKELETAL OP NEC
8381	TENDON GRAFT	8512	OPEN BREAST BIOPSY
8382	MUSCLE OR FASCIA GRAFT	8520	BREAST TISSU DESTRUC NOS
8383	TENDON PULLEY RECONSTRUC	8521	LOCAL EXCIS BREAST LES
8384	CLUBFOOT RELEASE NEC	8522	QUADRANT RESECT BREAST
8385	MUSC/TEND LNG CHANGE NEC	8523	SUBTOTAL MASTECTOMY
8386	QUADRICEPSPLASTY	8524	EXC ECTOPIC BREAST TISSU
8387	OTHER PLASTIC OPS MUSCLE	8525	EXCISION OF NIPPLE
8388	OTHER PLASTIC OPS TENDON	8531	UNILAT REDUCT MAMMOPLAST
8389	OTHER PLASTIC OPS FASCIA	8532	BILAT REDUCT MAMMOPLASTY
8391	ADHESIOLYSIS MUS/TEN/FAS	8533	UNIL SUBQ MAMMECT-IMPLNT
8392	INSERT SKEL MUSC STIMULA	8534	UNILAT SUBQ MAMMECT NEC
8393	REMOV SKEL MUSC STIMULAT	8535	BIL SUBQ MAMMECT-IMPLANT
8399	MUS/TEN/FAS/BUR OP NEC	8536	BILAT SUBQ MAMMECTOM NEC
8400	UPPER LIMB AMPUTAT NOS	8541	UNILAT SIMPLE MASTECTOMY
8401	FINGER AMPUTATION	8542	BILAT SIMPLE MASTECTOMY
8402	THUMB AMPUTATION	8543	UNILAT EXTEN SIMP MASTEC
8403	AMPUTATION THROUGH HAND	8544	BILAT EXTEND SIMP MASTEC
8404	DISARTICULATION OF WRIST	8545	UNILAT RADICAL MASTECTOM
8405	AMPUTATION THRU FOREARM	8546	BILAT RADICAL MASTECTOMY
8406	DISARTICULATION OF ELBOW	8547	UNIL EXT RAD MASTECTOMY
8407	AMPUTATION THRU HUMERUS	8548	BIL EXTEN RAD MASTECTOMY
8408	SHOULDER DISARTICULATION	8550	AUGMENT MAMMOPLASTY NOS
8409	FOREQUARTER AMPUTATION	8553	UNILAT BREAST IMPLANT
8410	LOWER LIMB AMPUTAT NOS	8554	BILATERAL BREAST IMPLANT
8411	TOE AMPUTATION	856	MASTOPEXY



## Appendix A: Operating Room Procedure Code

857 TOTAL BREAST RECONSTRUCT  
8582 BREAST SPLIT-THICK GRAFT  
8583 BREAST FULL-THICK GRAFT  
8584 BREAST PEDICLE GRAFT  
8585 BREAST MUSCLE FLAP GRAFT  
8586 TRANSPOSITION OF NIPPLE  
8587 NIPPLE REPAIR NEC  
8589 MAMMOPLASTY NEC  
8593 BREAST IMPLANT REVISION  
8594 BREAST IMPLANT REMOVAL  
8595 INSER BREAST TISSU EXPAN  
8596 REMOV BREAST TISSU EXPAN  
8599 BREAST OPERATION NEC  
8606 INSERT INFUSION PUMP  
8621 EXCISION OF PILONID CYST  
8622 EXC WOUND DEBRIDEMENT  
8625 DERMABRASION  
864 RADICAL EXCIS SKIN LES  
8660 FREE SKIN GRAFT NOS  
8661 FULL-THICK HAND SKIN GRF  
8662 HAND SKIN GRAFT NEC  
8663 FULL-THICK SKIN GRFT NEC  
8665 HETEROGRAFT TO SKIN  
8666 HOMOGRAFT TO SKIN  
8667 DERMAL REGENER GRAFT  
8669 FREE SKIN GRAFT NEC  
8670 PEDICLE GRAFT/FLAP NOS  
8671 CUT & PREP PEDICLE GRAFT  
8672 PEDICLE GRAFT ADVANCEMEN  
8673 ATTACH PEDICLE TO HAND  
8674 ATTACH PEDICLE GRAFT NEC  
8675 REVISION OF PEDICLE GRFT  
8681 REPAIR FACIAL WEAKNESS  
8682 FACIAL RHYTIDECTOMY  
8683 SIZE REDUCT PLASTIC OP  
8684 RELAXATION OF SCAR  
8685 SYNDACTYLY CORRECTION  
8686 ONYCHOPLASTY  
8689 SKIN REPAIR & PLASTY NEC  
8691 SKIN EXCISION FOR GRAFT  
8693 INSERT TISSUE EXPANDER  
8694 INS/REPL SINGLE PUL GEN (OCT 04)  
8695 INS/REPL DUAL PULSE GEN (OCT 04)  
8696 INSERT/REPL OTH NEUROST (OCT 04)  
8697 INS/REP 1 PUL GEN OCT05-  
8698 INS/REP 2 PUL GEN OCT05-  
8753 INTRAOPER CHOLANGIOGRAM  
9504 ANESTHETIZED EYE EXAM

## Appendix B: Surgical Discharge DRGs

These codes are used by the following PSIs:

PSI	How Used
<a href="#">Complications of Anesthesia (PSI 1) - Page 3</a>	<a href="#">Denominator inclusion - Page 3</a>
<a href="#">Decubitus Ulcer (PSI 3) - Page 7</a>	<a href="#">Denominator inclusion - Page 8</a>
<a href="#">Foreign Body Left during Procedure, Secondary Diagnosis Field (PSI 5 and 21) - Page 16</a>	<a href="#">Denominator inclusion - Page 16</a>
<a href="#">Iatrogenic Pneumothorax, Secondary Diagnosis Field (PSI 6 and 22) - Page 16</a>	<a href="#">Denominator inclusion - Page 16</a>
<a href="#">Selected Infections Due to Medical Care, Secondary Diagnosis Field (PSI 7 and 23) - Page 22</a>	<a href="#">Denominator inclusion - Page 22</a>
<a href="#">Postoperative Hip Fracture (PSI 8) - Page 23</a>	<a href="#">Denominator inclusion - Page 23</a>
<a href="#">Postoperative Hemorrhage or Hematoma (PSI 9 and 27) - Page 27</a>	<a href="#">Denominator inclusion - Page 28</a>
<a href="#">Postoperative Physiologic and Metabolic Derangement (PSI 10) - Page 28</a>	<a href="#">Denominator inclusion - Page 29</a>
<a href="#">Postoperative Respiratory Failure (PSI 11) - Page 30</a>	<a href="#">Denominator inclusion - Page 31</a>
<a href="#">Postoperative Pulmonary Embolism or Deep Vein Thrombosis (PSI 12) - Page 32</a>	<a href="#">Denominator inclusion - Page 32</a>
<a href="#">Postoperative Sepsis (PSI 13) - Page 32</a>	<a href="#">Denominator inclusion - Page 32</a>
<a href="#">Accidental Puncture or Laceration, Secondary Diagnosis Field (PSI 15 and 25) - Page 40</a>	<a href="#">Denominator inclusion - Page 40</a>
<a href="#">Transfusion Reaction, Secondary Diagnosis Field (PSI 16 and 26) - Page 41</a>	<a href="#">Denominator inclusion - Page 42</a>

In the table above, control-click (Word) or click (PDF) the **PSI** name to go to the start of that detailed definition. Click the link in the **How Used** column to go to where the surgical discharge DRGs are referenced within the PSI detailed definition.

001	CRANIOTOMY, AGE > 17 W/ CC	051	SALIVARY GLAND PROCEDURES EXCEPT SIALOADENECTOMY
002	CRANIOTOMY AGE > 17 W/O CC	052	CLEFT LIP AND PALATE REPAIR
003	CRANIOTOMY, AGE 0-17	053	SINUS AND MASTOID PROCEDURES, AGE GREATER THAN 17
004*	SPINAL PROCEDURES	054	SINUS AND MASTOID PROCEDURES, AGE 0-17
005*	EXTRACRANIAL VASCULAR PROCEDURES	055	MISCELLANEOUS EAR, NOSE, MOUTH AND THROAT PROCEDURES
006	CARPAL TUNNEL RELEASE	056	RHINOPLASTY
007	PERIPHERAL AND CRANIAL NERVE AND OTHER NERVOUS SYSTEM PROCEDURES W/ CC	057	TONSILLECTOMY AND ADENOIDECTOMY PROCEDURES EXCEPT TONSILLECTOMY AND/OR ADENOIDECTOMY ONLY, AGE GREATER THAN 17
008	PERIPHERAL AND CRANIAL NERVE AND OTHER NERVOUS SYSTEM PROCEDURES W/O CC	058	TONSILLECTOMY AND ADNOIDECTOMY PROCEDURES EXCEPT TONSILLECTOMY AND/OR ADENOIDECTOMY ONLY, AGE 0-17
036	RETINAL PROCEDURES	059	TONSILLECTOMY AND/OR ADENOIDECTOMY ONLY, AGE GREATER THAN 17
037	ORBITAL PROCEDURES	060	TONSILLECTOMY AND/OR ADENOIDECTOMY ONLY, AGE 0 – 17
038	PRIMARY IRIS PROCEDURES	061	MYRINGOTOMY W/ TUBE INSERTION, AGE GREATER THAN 17
039	LENS PROCEDURES W/ OR W/O VITRECTOMY		
040	EXTRAOCULAR PROCEDURES EXCEPT ORBIT, AGE GREATER THAN 17		
041	EXTRAOCULAR PROCEDURES EXCEPT ORBIT, AGE 0-17		
042	INTRAOCULAR PROCEDURES EXCEPT RETINA, IRIS AND LENS		
049	MAJOR HEAD AND NECK PROCEDURES		
050	SIALOADENECTOMY		

Appendix B: Surgical Discharge DRG

062	MYRINGOTOMY W/ TUBE INSERTION, AGE 0-17	155	STOMACH, ESOPHAGEAL AND DUODENAL PROCEDURES, AGE GREATER THAN 17 W/OUT CC
063	OTHER EAR, NOSE, MOUTH AND THROAT OR PROCEDURES	156	STOMACH, ESOPHAGEAL AND DUODENAL PROCEDURES, AGE 0-17
075	MAJOR CHEST PROCEDURES	157	ANAL AND STOMAL PROCEDURES W/ CC
076	OTHER RESPIRATORY SYSTEM OR PROCEDURES W/ CC	158	ANAL AND STOMAL PROCEDURES W/O CC
077	OTHER RESPIRATORY SYSTEM OR PROCEDURES W/O CC	159	HERMIA PROCEDURES EXCEPT INGUINAL AND FEMORAL , AGE GREATER THAN 17 W/ CC
103	HEART TRANSPLANT	160	HERNIA PROCEDURES EXCEPT INGUINAL AND FEMORAL, AGE GREATER THAN 17 W/O CC
104	CARDIAC VALVE AND OTHER MAJOR CARDIOTHORACIC PROCEDURES W/ CARDIAC CATHETERIZATION	161	INGUINAL AND FEMORAL HERNIA PROCEDURES, AGE GREATER THAN 17 W/ CC
105	CARDIAC VALVE AND OTHER MAJOR CARDIOTHORACIC PROCEDURES W/O CARDIAC CATHETERIZATION	162	INGUINAL AND FEMORAL HERNIA PROCEDURES, AGE GREATER THAN 17 W/O CC
106	CORONARY BYPASS W/ PTCA	163	HERNIA PROCEDURES, AGE 0-17
107	CORONARY BYPASS W/ CARDIAC CATHETERIZATION	164	APPENDECTOMY W/ COMPLICATED PRINCIPAL DIAGNOSIS W/ CC
108	OTHER CARDIOTHORACIC PROCEDURES	165	APPENDECTOMY W/ COMPLICATED PRINCIPAL DIAGNOSIS WIHTOUT CC
109	CORONARY BYPASS W/O CARDIAC CATHETERIZATION	166	APPENDECTOMY W/O COMPLICATED PRINCIPAL IAGNOSIS W/ CC
110	MAJOR CARDIOVASCULAR PROCEDURES W/ CC	167	APPENDECTOMY W/O COMPLICATED PRINCIPAL DIAGNOSIS W/O CC
111	MAJOR CARDIOVASCULAR PROCEDURES W/O CC	168	MOUTH PROCEDURES W/ CC
112*	PERCUTANEOUS CARDIOVASCULAR PROCEDURES	169	MOUTH PROCEDURES W/O CC
113	AMPUTATION FOR CIRCULATORY SYSTEM DISORDERS EXCEPT UPPER LIMB AND TOE	170	OTHER DIGESTIVE SYSTEM OR PROCEDURES W/ CC
114	UPPER LIMB AND TOES AMPUTATION FOR CIRCULATORY SITE	171	OTHER DIGESTIVE SYSTEM OR PROCEDURES W/O CC
115	PERMANENT CARDIAC PACEMAKER IMPLANT W/ ACUTE MYOCARDIAL INFARCTION, HEART FAILURE OR SHOCK OR ACID LEAD OR GENERATOR PROCEDURE	191	PANCREAS, LIVER AND SHUNT PROCEDURES W/ CC
116	OTHER PERMANENT CARDIAC PACEMAKER IMPLANT OR PTCA W/ CORONARY ARTERIAL STENT	192	PANCREAS, LIVER AND SHUNT PROCEDURES W/O CC
117	CARDIAC PACEMAKER REVISION EXCEPT DEVICE REPLACEMENT	193	BILIARY TRACT PROCEDURES EXCEPT ONLY CHOLECYSTECTOIMY W/ OR W/O COMMON DUCT EXPLORATION W/ CC
118	CARDIAC PACEMAKER DEVICE REPLACEMENT	194	BILIARY TRACT PROCEDURES EXCEPT ONLY CHOLECYSTECTOMY W/ OR W/O COMMON DUCT EXPLORATION W/O CC
119	VEIN LIGATION AND STRIPPING	195	CHOLECYSTECTOMY W/ COMMON DUCT EXPLORATION W/ CC
120	OTHER CIRCULATORY SYSTEM OR PROCEDURES	196	CHOLECYSTECTOMY W/ COMMON DUCT EXPLORATION W/O CC
146	RECTAL RESECTION W/ CC	197	CHOLECYSTECTOMY EXCEPT BY LAPAROSCOPE W/O COMMON DUCT EXPLORATION W/ CC
147	RECTAL RESECTION W/O CC	198	CHOLECYSTECTOMY EXCEPT BY LAPAROSCOPE W/O COMMON DUCT EXPORTATION W/O CC
148	MAJOR SMALL AND LARGE BOWEL PROCEDURES W/ CC	199	HEPATOBIILIARY DIAGNOSTIC PROCEDURE FOR MALIGNANCY
149	MAJOR SMALL AND LARGE BOWEL PROCEDURES W/O CC	200	HEPATOBIILIARY DIAGNOSTIC PROCEDURE FOR NONMALIGNANCY
150	PERITONEAL ADHESIOLYSIS W/ CC	201	OTHER HEPATOBIILIARY OR PANCREAS OR PROCEDURES
151	PERITONEAL ADHESIOLYSIS W/O CC	209	MAJOR JOINT AND LIMB REATTACHMENT PROCEDURES OF LOWER EXTREMITY
152	MINOR SMALL AND LARGE BOWEL PROCEDURES W/ CC		
153	MINOR SMALL AND LARGE BOWEL PROCEDURES W/O CC		
154	STOMACH, ESOPHAGEAL AND DUODENAL PROCEDURES, AGE GREATER THAN 17 W/ CC		

Appendix B: Surgical Discharge DRG

210	HIP AND FEMUR PROCEDURES EXCEPT MAJOR JOINT PROCEDURES, AGE GREATER THAN 17 W/ CC	261	BREAST PROCEDURE FOR NONMALIGNANCY EXCEPT BIOPSY AND LOCAL EXCISION
211	HIP AND FEMUR PROCEDURES EXCEPT MAJOR JOINT PROCEDURES, AGE GREATER THAN 17 W/O CC	262	BREAST BIOPSY AND LOCAL EXCISION FOR NONMALIGNANCY
212	HIP AND FEMUR PROCEDURES EXCEPT MAJOR JOINT PROCEDURE, AGE 0-17	263	SKIN GRAFT AND/OR DEBRIDEMENT FOR SKIN ULCER OR CELLULITIS W/ CC
213	AMPUTATION FOR MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE DISORDERS	264	SKIN GRAFT AND OR DEBRIDEMENT FOR SKIN ULCER OR CELLULITIS W/O CC
214*	BACK & NECK PROCEDURES W CC	265	SKIN GRAFT AND OR DEBRIDEMENT EXCEPT FOR SKIN ULCER OR CELLULITIS W/ CC
215*	BACK & NECK PROCEDURES W/O CC	266	SKIN GRAFT AND/OR DEBRIDEMENT EXCEPT FOR SKIN ULCER OR CELLULITIS W/O CC
216	BIOPSIES OF MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE	267	PERIANAL AND PILONIDAL PROCEDURES
217	WOUND DEBRIDEMENT AND SKIN GRAFT EXCEPT HAND FOR MUSCULOSKELETAL AND CONNECTIVE TISSUE DISORDERS	268	SKIN, SUBCUTANEOUS TISSUE AND BREAST PLASTIC PROCEDURES
218	LOWER EXTREMITY AND HUMERUS PROCEDURES EXCEPT HIP, FOOT AND FEMUR, AGE GREATER THAN 17 W/ CC	269	OTHER SKIN, SUBCUTANEOUS TISSUE AND BREAST PROCEDURES W/ CC
219	LOWER EXTREMITY AND HUMERUS PROCEDURES EXCEPT HIP, FOOT AND FEMUR, AGE GREATER THAN 17 W/O CC	270	OTHER SKIN, SUBCUTANEOUS TISSUE AND BREAST PROCEDURES W/O CC
220	LOWER EXTREMITY AND HUMERUS PROCEDURES EXCEPT HIP, FOOT AND FEMUR, AGE 0-17	285	AMPUTATION OF LOWER LIMB FOR ENDOCRINE, NUTRITIONAL AND METABOLIC DISORDERS
221*	KNEE PROCEDURES W CC	286	ADRENAL AND PITUITARY PROCEDURES
222*	KNEE PROCEDURES W/O CC	287	SKIN GRAFTS AND WOUND DEBRIDEMENTS FOR ENDOCRINE, NUTRITIONAL AND METABOLIC DISORDERS
223	MAJOR SHOULDER/ELBOW PROCEDURES OR OTHER UPPER EXTREMITY PROCEDURES W/ CC	288	OR PROCEDURES FOR OBESITY
224	SHOULDER, ELBOW OR FOREARM PROCEDURES EXCEPT MAJOR JOINT PROCEDURES W/O CC	289	PARATHYROID PROCEDURES
225	FOOT PROCEDURES	290	THYROID PROCEDURES
226	SOFT TISSUE PROCEDURES W/ CC	291	THYROIDECTOMY PROCEDURES
227	SOFT TISSUE PROCEDURES W/O CC	292	OTHER ENDOCRINE, NUTRITIONAL AND METABOLIC OR PROCEDURES W/ CC
228	MAJOR THUMB OR JOINT PROCEDURES OR OTHER HAND OR WRIST PROCEDURES W/ CC	293	OTHER ENDOCRINE, NUTRITIONAL AND METABOLIC OR PROCEDURES W/O CC
229	HAND OR WRIST PROCEDURES EXCEPT MAJOR JOINT PROCEDURES W/O CC	302	KIDNEY TRANSPLANT
230	LOCAL EXCISION AND REMOVAL OF INTERNAL FIXATION DEVICES OF HIP AND FEMUR	303	KIDNEY, URETER AND MAJOR BLADDER PROCEDURES FOR NEOPLASM
231*	LOCAL EXCISION AND REMOVAL OF INTERNAL FIXATION DEVICES EXCEPT HIP AND FEMUR	304	KIDNEY, URETER AND MAJOR BLADDER PROCEDURES FOR NONNEOPLASMS W/ CC
232	ARTHROSCOPY	305	KIDNEY, URETER AND MAJOR BLADDER PROCEDURES FOR NONEOPLASMS W/O CC
233	OTHER MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE OR PROCEDURES W/ CC	306	PROSTATECTOMY W/ CC
234	OTHER MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE OR PROCEDURES W/O CC	307	PROSTATECTOMY W/O CC
257	TOTAL MASTECTOMY FOR MALIGNANCY W/ CC	308	MINOR BLADDER PROCEDURES W/ CC
258	TOTAL MASTECTOMY FOR MALIGNANCY W/O CC	309	MINOR BLADDER PROCEDURES W/O CC
259	SUBTOTAL MASTECTOMY FOR MALIGNANCY W/ CC	310	TRANSURETHRAL PROCEDURES W/ CC
260	SUBTOTAL MASTECTOMY FOR MALIGNANCY W/O CC	311	TRANSURETHRAL PROCEDURES W/O CC
		312	URETHRAL PROCEDURES, AGE GREATER THAN 17 W/ CC
		313	URETHRAL PROCEDURES, AGE GREATER THAN 17 W/O CC
		314	URETHRAL PROCEDURES, AGE 0-17
		315	OTHER KIDNEY AND URINARY TRACT OR PROCEDURES
		334	MAJOR MALE PELVIC PROCEDURES W/ CC
		335	MAJOR MALE PELVIC PROCEDURES W/O CC

Appendix B: Surgical Discharge DRG

336	TRANSURETHRAL PROSTATECTOMY W/ CC	401	LYMPHOMA AND NONACUTE LEUKEMIA W/ OTHER OR PROCEDURE W/ CC
337	TRANSURETHRAL PROSTATECTOMY W/O CC	402	LYMPHOMA AND NONACUTE LEUKEMIA W/ OTHER OR PROCEDURE W/O CC
338	TESTES PROCEDURES FOR MALIGNANCY	406	MYELOPROLIFERATIVE DISORDERS OR POORLY DIFFERENTIATED NEOPLASMS W/ MAJOR OR PROCEDURES W/ CC
339	TESTES PROCEDURES FOR NONMALIGNANCY, AGE GREATER THAN 17	407	MYELOPROLIFERATIVE DISORDERS OR POORLY DIFFERENTIATED NEOPLASMS W/ MAJOR OR PROCEDURES W/O CC
340	TESTES PROCEDURES FOR NONMALIGNANCY, AGE 0-17	408	MYELOPROLIFERATIVE DISORDERS OR POORLY DIFFERENTIATED NEOPLASMS W/ OTHER OR PROCEDURES
341	PENIS PROCEDURES	415	OR PROCEDURE FOR INFECTIOUS AND PARASITIC DISEASES
342	CIRCUMCISION, AGE GREATER THAN 17	424	OR PROCEDURES W/ PRINCIPAL DIAGNOSIS OF MENTAL ILLNESS
343	CIRCUMCISION, AGE 0-17	439	SKIN GRAFTS FOR INJURIES
344	OTHER MALE REPRODUCTIVE SYSTEM OR PROCEDURES FOR MALIGNANCY	440	WOUND DEBRIDEMENTS FOR INJURIES
345	OTHER MALE REPRODUCTIVE SYSTEM OR PROCEDURES EXCEPT FOR MALIGNANCY	441	HAND PROCEDURES FOR INJURIES
353	PELVIC EVISCERATION, RADICAL HYSTERECTOMY AND RADICAL VULVECTOMY	442	OTHER OR PROCEDURES FOR INJURIES W/ CC
354	UTERINE AND ADNEXA PROCEDURES FOR NONOVARIAN/ADNEXAL MALIGNANCY W/ CC	443	OTHER OR PROCEDURES FOR INJURIES W/O CC
355	UTERINE AND ADNEXA PROCEDURES FOR NONOVARIAN/ADNEXA PROCEDURES W/O CC	458*	NON-EXTENSIVE BURNS W SKIN GRAFT
356	FEMALE REPRODUCTIVE SYSTEM RECONSTRUCTIVE PROCEDURES	459*	NON-EXTENSIVE BURNS W WOUND DEBRIDEMENT OR OTHER O.R. PROC
357	UTERINE AND ADNEXA PROCEDURES FOR OVARIAN OR ADNEXAL MALIGNANCY	461	OR PROCEDURES W/ DIAGNOSES OF OTHER CONTACT W/ HEALTH SERVICES
358	UTERINE AND ADNEXA PROCEDURES FOR NONMALIGNANCY W/ CC	468	EXTENSIVE OR PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS
359	UTERINE AND ADNEXA PROCEDURES FOR NONMALIGNANCY W/O CC	471	BILATERAL OR MULTIPLE MAJOR JOINT PROCEDURES OF LOWER EXTREMITY
360	VAGINA, CERVIX AND VULVA PROCEDURES	472*	EXTENSIVE BURNS W O.R. PROCEDURE
361	LAPAROSCOPY AND INCISIONAL TUBAL INTERRUPTION	476	PROSTATIC OR PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS
362	ENDOSCOPIC TUBAL INTERRUPTION	477	NONEXTENSIVE OR PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS
363	D AND C, CONIZATION AND RADIOIMPLANT FOR MALIGNANCY	478	OTHER VASCULAR PROCEDURES W/ CC
364	D AND C, CONIZATION EXCEPT FOR MALIGNANCY	479	OTHER VASCULAR PROCEDURES W/O CC
365	OTHER FEMALE REPRODUCTIVE SYSTEM OR PROCEDURES	480	LIVER TRANSPLANT
370	CESAREAN SECTION W/ CC	481	BONE MARROW TRANSPLANT
371	CESAREAN SECTION W/O CC	482	TRACHEOSTOMY FOR FACE, MOUTH AND NECK DIAGNOSES
374	VAGINAL DELIVERY W/ STERILIZATION AND/OR D AND C	483*	TRACHEOSTOMY EXCEPT FOR FACE, MOUTH AND NECK DIAGNOSES
375	VAGINAL DELIVERY W/ OR PROCEDURE EXCEPT STERILIZATION AND/OR D AND C	484	CRANIOTOMY FOR MULTIPLE SIGNIFICANT TRAUMA
377	POSTPARTUM AND POSTABORTION DIAGNOSES W/ OR PROCEDURE	485	LIMB REATTACHMENT, HIP AND FEMUR PROCEDURES FOR MULTIPLE SIGNIFICANT TRAUMA
381	ABORTION W/ D AND C ASPIRATION CURETTAGE OR HYSTERECTOMY	486	OTHER OR PROCEDURES FOR MULTIPLE SIGNIFICANT TRAUMA
392	SPLENECTOMY, AGE GREATER THAN 17	488	HIV W/ EXTENSIVE OR PROCEDURE
393	SPLENECTOMY, AGE 0-17	491	MAJOR JOINT AND LIMB REATTACHMENT PROCEDURES OF UPPER EXTREMITY
394	OTHER OR PROCEDURES OF THE BLOOD AND BLOOD-FORMING ORGANS	493	LAPAROSCOPIC CHOLECYSTECTOMY W/O COMMON DUCT EXPLORATION W/ CC
400*	LYMPHOMA AND LEUKEMIA W/ MAJOR OR PROCEDURES	494	LAPAROSCOPIC CHOLECYSTECTOMY W/O COMMON DUCT EXPLORATION W/O CC
		495	LUNG TRANSPLANT

Appendix B: Surgical Discharge DRG

496	COMBINED ANTERIOR/POSTERIOR SPINAL FUSION	540	LYMPHOMA & LEUKEMIA W MAJOR OR PROCEDURE W/O CC OCT03-
497	SPINAL FUSION W/ CC	541	TRACH W MV 96+HRS OR PDX EXC FACE, MTH, FACE & NECK DX W/MAJ OR (OCT 04)
498	SPINAL FUSION W/O CC	542	TRACH W MV 96+HRS OR PDX EXC FACE, MTH, FACE & NECK DX W/O MJ OR (OCT 04)
499	BACK AND NECK PROCEDURES EXCEPT SPINAL FUSION W/ CC	543	CRANIOTOMY WITH IMPLANTATION OF CHEMOTHERAPEUTIC AGENT OR ACUTE COMPLEX CENTRAL NERVOUS SYSTEM PRINCIPAL DIAGNOSIS (OCT 04)
500	BACK AND NECK PROCEDURES EXCEPT SPINAL FUSION W/O CC	544	MAJOR JOINT REPLACEMENT OR REATTACHMENT OF LOWER EXTREMITY OCT05-
501	KNEE PROCEDURES W/ PRINCIPAL DIAGNOSIS OF INFECTION, W/ CC	545	REVISION OF HIP OR KNEE REPLACEMENT OCT05-
502	KNEE PROCEDURES W/ PRINCIPAL DIAGNOSIS OF INFECTION, W/O CC	546	SPINAL FUSION EXC CERV WITH CURVATURE OF THE SPINE OR MALIG OCT05-
503	KNEE PROCEDURES W/O PRINCIPAL DIAGNOSIS OF INFECTION	547	CORONARY BYPASS W CARDIAC CATH W MAJOR CV DX OCT05-
504	EXTENSIVE 3RD DEGREE BURNS W SKIN GRAFT	548	CORONARY BYPASS W CARDIAC CATH W/O MAJOR CV DX OCT05-
506	FULL THICKNESS BURN W SKIN GRAFT OR INHAL INJ W CC OR SIG TRAUMA	549	CORONARY BYPASS W/O CARDIAC CATH W MAJOR CV DX
507	FULL THICKNESS BURN W SKIN GRFT OR INHAL INJ W/O CC OR SIG TRAUMA	550	CORONARY BYPASS W/O CARDIAC CATH W/O MAJOR CV DX OCT05-
512	SIMULTANEOUS PANCREAS/KIDNEY TRANSPLANT	551	PERMANENT CARDIAC PACEMAKER IMPL W MAJ CV DX OR AICD LEAD OR GNRTR OCT05-
513	PANCREAS TRANSPLANT	552	OTHER PERMANENT CARDIAC PACEMAKER IMPLANT W/O MAJOR CV DX OCT05-
514*	CARDIAC DEFIBRILLATOR IMPLANT W CARDIAC CATH	553	OTHER VASCULAR PROCEDURES W CC W MAJOR CV DX OCT05-
515	CARDIAC DEFIBRILLATOR IMPLANT W/O CARDIAC CATH	554	OTHER VASCULAR PROCEDURES W CC W/O MAJOR CV DX OCT05-
516	PERCUTANEOUS CARDIOVASC PROC W AMI	555	PERCUTANEOUS CARDIOVASCULAR PROC W MAJOR CV DX OCT05-
517	PERC CARDIO PROC W NON-DRUG ELUTING STENT W/O AMI	556	PERCUTANEOUS CARDIOVASC PROC W NON-DRUG-ELUTING STENT W/O MAJ CV DX OCT05-
518	PERC CARDIO PROC W/O CORONARY ARTERY STENT OR AMI	557	PERCUTANEOUS CARDIOVASCULAR PROC W DRUG-ELUTING STENT W MAJOR CV DX OCT05-
519	CERVICAL SPINAL FUSION W CC	558	PERCUTANEOUS CARDIOVASCULAR PROC W DRUG-ELUTING STENT W/O MAJ CV DX OCT05-
520	CERVICAL SPINAL FUSION W/O CC	567	STOMACH, ESOPHAGEAL & DUODENAL PROC AGE > 17 W CC W MAJOR GI DX OCT06-
525	HEART ASSIST SYSTEM IMPLANT (OCT 02)	568	STOMACH, ESOPHAGEAL & DUODENAL PROCEDURES PROC AGE > 17 W CC W/O MAJOR GI DX OCT06-
526	PERCUTNEOUS CARDIOVASULAR PROC W DRUG ELUTING STENT W AMI (APR 03)	569	MAJOR SMALL & LARGE BOWEL PROCEDURES W CC W MAJOR GI DX OCT06-
527	PERCUTNEOUS CARDIOVASULAR PROC W DRUG ELUTING STENT W/O AMI (APR 03)	570	MAJOR SMALL & LARGE BOWEL PROCEDURES W CC W/O MAJOR GI DX OCT06-
528	INTRACRANIAL VASCULAR PROC W PDX HEMORRHAGE OCT03-	573	MAJOR BLADDER PROCEDURES OCT06-
529	VENTRICULAR SHUNT PROCEDURES W CC OCT03-	577	CAROTID ARTERY STENT PROCEDURE OCT06-
530	VENTRICULAR SHUNT PROCEDURES W/O CC OCT03-		
531	SPINAL PROCEDURES W CC OCT03-		
532	SPINAL PROCEDURES W/O CC OCT03-		
533	EXTRACRANIAL PROCEDURES W CC OCT03-		
534	EXTRACRANIAL PROCEDURES W/O CC OCT03-		
535	CARDIAC DEFIB IMPLANT W CARDIAC CATH W AMI/HF/SHOCK OCT03-		
536	CARDIAC DEFIB IMPLANT W CARDIAC CATH W/O AMI/HF/SHOCK OCT03-		
537	LOCAL EXCIS & REMOV OF INT FIX DEV EXCEPT HIP & FEMUR W CC OCT03-		
538	LOCAL EXCIS & REMOV OF INT FIX DEV EXCEPT HIP & FEMUR W/O CC OCT03-		
539	LYMPHOMA & LEUKEMIA W MAJOR OR PROCEDURE W CC OCT03-		

Appendix B: Surgical Discharge DRG

578 INFECTIOUS & PARASITIC DISEASES W  
OR PROCEDURE OCT06-

579 POSTOPERATIVE OR POST-TRAUMATIC  
INFECTIONS W OR PROCEDURE OCT06-

\* No longer valid in FY2005



## Appendix C: ICD-9-CM Trauma Diagnosis Codes

These codes are used by the following PSIs:

PSI	How Used
<a href="#">Death in Low-Mortality DRGs (PSI 2)</a> - Page 5	<a href="#">Denominator exclusion</a> - Page 7
<a href="#">Death among Surgical (PSI 4)</a> - Page 9	<a href="#">FTR 1 Denominator exclusion</a> - Page <b>Error!</b> <b>Bookmark not defined.</b> <a href="#">FTR 5 Denominator exclusion</a> - Page 13 <a href="#">FTR 6 Denominator exclusion</a> - Page 15
<a href="#">Postoperative Hip Fracture (PSI 8)</a> - Page 23	<a href="#">Denominator exclusion</a> - Page 23

In the table above, control-click (Word) or click (PDF) the **PSI** name to go to the start of that detailed definition. Click the link in the **How Used** column to go to where the ICD-9-CM trauma diagnosis codes are referenced within the PSI detailed definition.

*ICD-9-CM Trauma diagnosis codes (includes 4<sup>th</sup> and 5<sup>th</sup> digits), New codes are listed through 5<sup>th</sup> digit:*

800	FRACTURE OF VAULT OF SKULL
801	FRACTURE OF BASE OF SKULL
802	FRACTURE OF FACE BONES
803	OTHER AND UNQUALIFIED SKULL FRACTURES
804	MULTIPLE FRACTURES INVOLVING SKULL OR FACE W/ OTHER BONES
805	FRACTURE OF VERTEBRAL COLUMN W/O MENTION OF SPINAL CORD INJURY
806	FRACTURE OF VERTEBRAL COLUMN W/ SPINAL CORD INJURY
807	FRACTURE OF RIB[S] STERNUM, LARYNX, AND TRACHEA
808	FRACTURE OF PELVIS
809	ILL-DEFINED FRACTURES OF BONES OF TRUNK
810	FRACTURE OF CLAVICLE
811	FRACTURE OF SCAPULA
812	FRACTURE OF HUMERUS
813	FRACTURE OF RADIUS AND ULNA
814	FRACTURE OF CARPAL BONE[S]
815	FRACTURE OF METACARPAL BONE[S]
817	MULTIPLE FRACTURE OF HAND BONES
818	ILL-DEFINED FRACTURES OF UPPER LIMB
819	MULTIPLE FRACTURES INVOLVING BOTH UPPER LIMBS, AND UPPER LIMB W/ RIB AND STERNUM
820	FRACTURE OF NECK OF FEMUR
821	FRACTURE OF OTHER AND UNSPECIFIED PARTS OF FEMUR
822	FRACTURE OF PATELLA
823	FRACTURE OF TIBIA AND FIBULA
824	FRACTURE OF ANKLE
825	FRACTURE OF ONE OR MORE TARSAL AND METATARSAL BONES
827	OTHER, MULTIPLE, AND ILL-DEFINED FRACTURES OF LOWER LIMB
828	MULTIPLE FRACTURES INVOLVING BOTH LOWER LIMBS, LOWER W/ UPPER LIMB, AND LOWER LIMB W/ RIB AND STERNUM
829	FRACTURE OF UNSPECIFIED BONES
830	DISLOCATION OF JAW
831	DISLOCATION OF SHOULDER
832	DISLOCATION OF ELBOW
833	DISLOCATION OF WRIST
835	DISLOCATION OF HIP
836	DISLOCATION OF KNEE
837	DISLOCATION OF ANKLE
838	DISLOCATION OF FOOT
839	OTHER, MULTIPLE, AND ILL-DEFINED DISLOCATIONS
850	CONCUSSION

Appendix C: ICD-9-CM Trauma Diagnosis Codes

85011 CONCUSSION W/ BRIEF COMA <31 MINUTES OCT03-  
85012 CONCUSSION W/ BRIEF COMA 31-59 MINUTES OCT03-  
851 CEREBRAL LACERATION AND CONTUSION  
852 SUBARACHNOID, SUBDURAL, AND EXTRADURAL HEMORRHAGE, FOLLOWING INJURY  
853 OTHER AND UNSPECIFIED INTRACRANIAL HEMORRHAGE FOLLOWING INJURY  
854 INTRACRANIAL INJURY OF OTHER AND UNSPECIFIED NATURE  
860 TRAUMATIC PNEUMOTHORAX  
861 INJURY TO HEART AND LUNG  
862 INJURY TO OTHER AND UNSPECIFIED INTRATHORACIC ORGANS  
863 INJURY TO GASTROINTESTINAL TRACT  
864 INJURY TO LIVER  
865 INJURY TO SPLEEN  
866 INJURY TO KIDNEY  
867 INJURY TO PELVIC ORGANS  
868 INJURY TO OTHER INTRA-ABDOMINAL ORGANS  
869 INTERNAL INJURY TO UNSPECIFIED OR ILL-DEFINED ORGANS  
870 OPEN WOUND OF OCULAR ADNEXA  
871 OPEN WOUND OF EYEBALL  
872 OPEN WOUND OF EAR  
873 OTHER OPEN WOUND OF HEAD  
874 OPEN WOUND OF NECK  
875 OPEN WOUND OF CHEST [WALL]  
876 OPEN WOUND OF BACK  
877 OPEN WOUND OF BUTTOCK  
878 OPEN WOUND OF GENITAL ORGANS [EXTERNAL] INCLUDING TRAUMATIC AMPUTATION  
879 OPEN WOUND OF OTHER AND UNSPECIFIED SITES, EXCEPT LIMBS  
880 OPEN WOUND OF SHOULDER AND UPPER ARM  
881 OPEN WOUND OF ELBOW, FOREARM, AND WRIST  
882 OPEN WOUND OF HAND EXCEPT FINGER ALONE  
884 MULTIPLE AND UNSPECIFIED OPEN WOUND OF UPPER LIMB  
887 TRAUMATIC AMPUTATION OF ARM AND HAND (COMPLETE) (PARTIAL)  
890 OPEN WOUND OF HIP AND THIGH  
891 OPEN WOUND OF KNEE, LEG (EXCEPT THIGH) AND ANKLE  
892 OPEN WOUND OF FOOT EXCEPT TOE ALONE  
894 MULTIPLE AND UNSPECIFIED OPEN WOUND OF LOWER LIMB  
896 TRAUMATIC AMPUTATION OF FOOT (COMPLETE) (PARTIAL)  
897 TRAUMATIC AMPUTATION OF LEG[S] (COMPLETE) (PARTIAL)  
900 INJURY TO BLOOD VESSELS OF HEAD AND NECK  
901 INJURY TO BLOOD VESSELS OF THORAX  
902 INJURY TO BLOOD VESSELS OF ABDOMEN AND PELVIS  
903 INJURY TO BLOOD VESSELS OF UPPER EXTREMITY  
904 INJURY TO BLOOD VESSELS OF LOWER EXTREMITY AND UNSPECIFIED SITES  
925 CRUSHING INJURY OF FACE, SCALP, AND NECK  
926 CRUSHING INJURY OF TRUNK  
927 CRUSHING INJURY OF UPPER LIMB  
928 CRUSHING INJURY OF LOWER LIMB  
929 CRUSHING INJURY OF MULTIPLE AND UNSPECIFIED SITES  
940 BURN CONFINED TO EYE AND ADNEXA  
941 BURN OF FACE, HEAD, AND NECK  
942 BURN OF TRUNK  
943 BURN OF UPPER LIMB, EXCEPT WRIST AND HAND  
944 BURN OF WRIST[S] AND HAND[S]  
945 BURN OF LOWER LIMB[S]  
946 BURNS OF MULTIPLE SPECIFIED SITES  
947 BURN OF INTERNAL ORGANS  
948 BURNS CLASSIFIED ACCORDING TO EXTENT OF BODY SURFACE INVOLVED  
949 BURN, UNSPECIFIED  
952 SPINAL CHORD INJURY W/O EVIDENCE OF SPINAL BONE INJURY  
953 INJURY TO NERVE ROOTS AND SPINAL PLEXUS  
958 CERTAIN EARLY COMPLICATIONS OF TRAUMA

## Appendix D: ICD-9-CM Codes for Immunocompromised States

These codes are used by the following PSIs:

PSI	How Used
<a href="#">Death in Low-Mortality DRGs (PSI 2)</a> - Page 5	<a href="#">Denominator exclusion</a> - Page 7
<a href="#">Death among Surgical (PSI 4)</a> - Page 9	<a href="#">FTR 3 Denominator exclusion</a> - Page 11 <a href="#">FTR 4 Denominator exclusion</a> - Page 12
<a href="#">Selected Infections Due to Medical Care, Secondary Diagnosis Field (PSI 7 and 23)</a> - Page 22	<a href="#">Denominator exclusion</a> - Page 22
<a href="#">Postoperative Sepsis (PSI 13)</a> - Page 32	<a href="#">Denominator exclusion</a> - Page 32
<a href="#">Postoperative Wound Dehiscence, Secondary Diagnosis Field (PSI 14 and 24))</a> - Page 33	<a href="#">Denominator exclusion</a> - Page 33

In the table above, control-click (Word) or click (PDF) the **PSI** name to go to the start of that detailed definition. Click the link in the **How Used** column to go to where the immunocompromised states are referenced within the PSI detailed definition.

### ICD-9-CM Immunocompromised States diagnosis codes:

042	HUMAN IMMUNODEFICIENCY VIRUS DISEASE	2881	FUNCTION DIS NEUTROPHILS OCT05-
1363	PNEUMOCYSTOSIS	2882	GENETIC ANOMALY LEUKOCYT OCT05-
260	KWASHIORKOR OCT05-	2884	HEMOPHAGOCYTIC SYNDROMES OCT06-
261	NUTRITIONAL MARASMUS OCT05-	28850	LEUKOCYTOPENIA NOS OCT06-
262	OTH SEVERE MALNUTRITION OCT05-	28851	LYMPHOCYTOPENIA OCT06-
23873	HI GRDE MYELOYDYS SYN LES OCT06-	28859	DECREASED WBC COUNT NEC OCT06-
23876	MYELOFI W MYELO METAPLAS OCT06	28953	NEUTROPENIC SPLENOMEGALY OCT06-
27900	HYPOGAMMAGLOBULINEM NOS	28983	MYELOFIBROSIS OCT06-
27901	SELECTIVE IGA IMMUNODEF	40301	MAL HYP KIDNEY W CHR KID OCT05-
27902	SELECTIVE IGM IMMUNODEF	40311	BEN HYP KIDNEY W CHR KID OCT05-
27903	SELECTIVE IG DEFIC NEC	40391	HYP KIDNEY NOS W CHR KID OCT05-
27904	CONG HYPOGAMMAGLOBULINEM	40402	MAL HY HRT/KID W CHR KID OCT05-
27905	IMMUNODEFIC W HYPER-IGM	40403	MAL HYP HRT/KID W HF/KID OCT05-
27906	COMMON VARIABL IMMUNODEF	40412	BEN HYP HT/KID W CHR KID OCT05-
27909	HUMORAL IMMUNITY DEF NEC	40413	BEN HYP HT/KID W HF/KID OCT05-
27910	IMMUNDEF T-CELL DEF NOS	40492	HYP HT/KID NOS W CHR KID OCT05-
27911	DIGEORGES SYNDROME	40493	HYP HRT/KID NOS W HF/KID OCT05-
27912	WISKOTT-ALDRICH SYNDROME	5793	INTEST POSTOP NONABSORB OCT05-
27913	NEZELOFS SYNDROME	585	CHRONIC KIDNEY DISEASE OCT05-
27919	DEFIC CELL IMMUNITY NOS	5855	CHRON KIDNEY DIS STAGE V OCT05-
2792	COMBINED IMMUNITY DEFICIENCY	5856	END STAGE RENAL DISEASE OCT05-
2793	UNSPECIFIED IMMUNITY DEFICIENCY	9968	COMPLICATIONS OF TRANSPLANTED ORGAN
2794	AUTOIMMUNE DISEASE, NOT ELSEWHERE CLASSIFIED	99680	COMP ORGAN TRANSPLNT NOS
2798	OTHER SPECIFIED DISORDERS INVOLVING THE IMMUNE MECHANISM	99681	COMPL KIDNEY TRANSPLANT
2799	UNSPECIFIED DISORDER OF IMMUNE MECHANISM	99682	COMPL LIVER TRANSPLANT
28409	CONST APLASTC ANEMIA NEC OCT06-	99683	COMPL HEART TRANSPLANT
2841	PANCYTOPENIA OCT06-	99684	COMPL LUNG TRANSPLANT
2880	AGRANULOCYTOSIS OCT05-	99685	COMPL MARROW TRANSPLANT
28800	NEUTROPENIA NOS OCT06-	99686	COMPL PANCREAS TRANSPLNT
28801	CONGENITAL NEUTROPENIA OCT06-	99687	COMP INTESTINE TRANSPLNT
28802	CYCLIC NEUTROPENIA OCT06-	99689	COMP OTH ORGAN TRANSPLNT
28803	DRUG INDUCED NEUTROPENIA OCT06-	V420	KIDNEY REPLACED BY TRANSPLANT
28809	NEUTROPENIA NEC OCT06-	V421	HEART REPLACED BY TRANSPLANT
		V426	LUNG REPLACED BY TRANSPLANT
		V427	LIVER REPLACED BY TRANSPLANT
		V428	OTHER SPECIFIED ORGAN OR TISSUE
		V4281	BONE MARROW SPECIFIED BY TRANSPLANT

Appendix D: ICD-9-CM Codes for Immunocompromised States

V4282	PERIPHERAL STEM CELLS REPLACED BY TRANSPLANT	V451	RENAL DIALYSIS STATUS OCT05-
V4283	PANCREAS REPLACED BY TRANSPLANT	V560	RENAL DIALYSIS ENCOUNTER OCT05-
V4284	INTESTINES REPLACE BY TRANSPLANT	V561	FT/ADJ XTRCORP DIAL CATH OCT05-
V4289	OTHER REPLACED BY TRANSPLANT	V562	FIT/ADJ PERIT DIAL CATH OCT05-

*ICD-9-CM Immunocompromised States procedure codes:*

0018	INFUS IMMUNOSUP ANTIBODY OCT05-	4105	ALLOGENEIC HEMATOPOIETIC STEM CELL TRANSPLANT W/O PURGING
335	LUNG TRANSPLANTATION	4106	CORD BLOOD STEM CELL TRANSPLANT
3350	LUNG TRANSPLANTATION, NOS	4107	AUTOLOGOUS HEMATOPOIETIC STEM CELL TRANSPLANT W/ PURGING
3351	UNILATERAL LUNG TRANSPLANTATION	4108	ALLOGENEIC HEMATOPOIETIC STEM CELL TRANSPLANT W/ PURGING
3352	BILATERAL LUNG TRANSPLANTATION	4109	AUTOLOGOUS BONE MARROW TRANSPLANT W/ PURGING
336	COMBINED HEART-LUNG TRANSPLANTATION	5051	AUXILIARY LIVER TRANSPLANT
375	HEART TRANSPLANTATION	5059	LIVER TRANSPLANT, NEC
3751	HEART TRANSPLANTATION OCT03-	5280	PANCREATIC TRANSPLANT, NOS
410	OPERATIONS ON BONE MARROW AND SPLEEN	5281	REIMPLANTATION OF PANCREATIC TISSUE
4100	BONE MARROW TRANSPLANT, NOS	5282	HOMOTRANSPLANT OF PANCREAS
4101	AUTOLOGOUS BONE MARROW TRANSPLANT W/O PURGING	5283	HETEROTRANSPLANT OF PANCREAS
4102	ALLOGENEIC BONE MARROW TRANSPLANT W/ PURGING	5285	ALLOTTRANSPLANTATION OF CELLS OF ISLETS OF LANGERHANS
4103	ALLOGENEIC BONE MARROW TRANSPLANT W/O PURGING	5286	TRANSPLANTATION OF CELLS OF ISLETS OF LANGERHANS, NOS
4104	AUTOLOGOUS HEMATOPOIETIC STEM CELL TRANSPLANT W/O PURGING	5569	OTHER KIDNEY TRANSPLANTATION

## Appendix E: Cancer Codes

These codes are used by the following PSIs:

PSI	How Used
<a href="#">Death in Low-Mortality DRGs (PSI 2)</a> - Page 5	<a href="#">Denominator exclusion</a> - Page 7
<a href="#">Selected Infections Due to Medical Care, Secondary Diagnosis Field (PSI 7 and 23)</a> - Page 22	<a href="#">Denominator exclusion</a> - Page 22
<a href="#">Postoperative Sepsis (PSI 13)</a> - Page 32	<a href="#">Denominator exclusion</a> - Page 32

In the table above, control-click (Word) or click (PDF) the **PSI** name to go to the start of that detailed definition. Click the link in the **How Used** column to go to where the cancer codes are referenced within the PSI detailed definition.

*ICD-9-CM Cancer diagnosis codes (includes 4<sup>th</sup> and 5<sup>th</sup> digits):*

140	MALIGNANT NEOPLASM OF LIP	162	MALIGNANT NEOPLASM OF TRACHEA, BRONCHUS, AND LUNG
141	MALIGNANT NEOPLASM OF TONGUE	163	MALIGNANT NEOPLASM OF PLEURA
142	MALIGNANT NEOPLASM OF MAJOR SALIVARY GLANDS	164	MALIGNANT NEOPLASM OF THYMUS, HEART, AND MEDIASTINUM
143	MALIGNANT NEOPLASM OF GUM	165	MALIGNANT NEOPLASM OF OTHER AND ILL-DEFINED SITES WITHIN THE RESPIRATORY SYSTEM AND INTRATHORACIC ORGANS
144	MALIGNANT NEOPLASM OF FLOOR OF MOUTH	170	MALIGNANT NEOPLASM OF BONE AND ARTICULAR CARTILAGE
145	MALIGNANT NEOPLASM OF OTHER AND UNSPECIFIED PARTS OF MOUTH	171	MALIGNANT NEOPLASM OF CONNECTIVE AND OTHER SOFT TISSUE
146	MALIGNANT NEOPLASM OF OROPHARYNX	172	MALIGNANT MELANOMA OF SKIN
147	MALIGNANT NEOPLASM OF NASOPHARYNX	174	MALIGNANT NEOPLASM OF FEMALE BREAST
148	MALIGNANT NEOPLASM OF HYPOPHARYNX	175	MALIGNANT NEOPLASM OF MALE BREAST
149	MALIGNANT NEOPLASM OF OTHER AND ILL-DEFINED SITES WITHIN THE LIP, ORAL CAVITY, AND PHARYNX	176	KARPOSI'S SARCOMA
150	MALIGNANT NEOPLASM OF ESOPHAGUS	179	MALIGNANT NEOPLASM OF UTERUS, PART UNSPECIFIED
151	MALIGNANT NEOPLASM OF STOMACH	180	MALIGNANT NEOPLASM OF CERVIX UTERI
152	MALIGNANT NEOPLASM OF SMALL INTESTINE, INCLUDING DUODENUM	181	MALIGNANT NEOPLASM OF PLACENTA
153	MALIGNANT NEOPLASM OF COLON	182	MALIGNANT NEOPLASM OF BODY OF UTERUS
154	MALIGNANT NEOPLASM OF RECTUM, RECTOSIGMOID JUNCTION, AND ANUS	183	MALIGNANT NEOPLASM OF OVARY AND OTHER UTERINE ADNEXA
155	MALIGNANT NEOPLASM OF LIVER AND INTRAHEPATIC BILE DUCTS	184	MALIGNANT NEOPLASM OF OTHER AND UNSPECIFIED FEMALE GENITAL ORGANS
156	MALIGNANT NEOPLASM OF GALLBLADDER AND EXTRAHEPATIC BILE DUCTS	185	MALIGNANT NEOPLASM OF PROSTATE
157	MALIGNANT NEOPLASM OF PANCREAS	186	MALIGNANT NEOPLASM OF TESTES
158	MALIGNANT NEOPLASM OF RETROPERITONEUM AND PERITONEUM	187	MALIGNANT NEOPLASM OF PENIS AND OTHER MALE GENITAL ORGANS
159	MALIGNANT NEOPLASM OF OTHER AND ILL-DEFINED SITES WITHIN THE DIGESTIVE ORGANS AND PERITONEUM	188	MALIGNANT NEOPLASM OF BLADDER
160	MALIGNANT NEOPLASM OF NASAL CAVITIES, MIDDLE EAR, AND ACCESSORY SINUSES	189	MALIGNANT NEOPLASM OF KIDNEY AND OTHER AND UNSPECIFIED URINARY ORGANS
161	MALIGNANT NEOPLASM OF LARYNX	190	MALIGNANT NEOPLASM OF EYE
		191	MALIGNANT NEOPLASM OF BRAIN

Appendix E: Cancer Code

192	MALIGNANT NEOPLASM OF OTHER AND UNSPECIFIED PARTS OF NERVOUS SYSTEM	200	LYMPHOSARCOMA AND RETICULOSARCOMA
193	MALIGNANT NEOPLASM OF THYROID GLAND	201	HODGKIN'S DISEASE
194	MALIGNANT NEOPLASM OF OTHER ENDOCRINE GLANDS AND RELATED STRUCTURES	202	OTHER MALIGNANT NEOPLASMS OF LYMPHOID AND HISTIOCYTIC TISSUES
195	MALIGNANT NEOPLASM OF OTHER, AND ILL-DEFINED SITES	203	MULTIPLE MYELOMA AND IMMUNOPROLIFERATIVE NEOPLASMS
196	SECONDARY AND UNSPECIFIED MALIGNANT NEOPLASM OF LYMPH NODES	204	LYMPHOID LEUKEMIA
197	SECONDARY MALIGNANT NEOPLASM OF RESPIRATORY AND DIGESTIVE SYSTEMS	205	MYELOID LEUKEMIA
198	SECONDARY MALIGNANT NEOPLASM OF OTHER SPECIFIED SITES	206	MONOCYTIC LEUKEMIA
199	MALIGNANT NEOPLASM W/O SPECIFICATION OF SITE	207	OTHER SPECIFIED LEUKEMIA
		208	LEUKEMIA OF UNSPECIFIED CELL TYPE
		2386	NEOPLASM OF UNCERTAIN BEHAVIOR OF OTHER AND UNSPECIFIED SITES AND TISSUES, PLASMA CELLS
		2733	MACROGLOBULINEMIA

Personal history of malignant neoplasm:

V1000	GASTROINTESTINAL TRACT, UNSPECIFIED	V1049	OTHER MALE GENITAL ORGANS
V1001	TONGUE	V1050	URINARY ORGAN, UNSPECIFIED
V1002	OTHER AND UNSPECIFIED ORAL CAVITY AND PHARYNX	V1051	BLADDER
V1003	ESOPHAGUS	V1052	KIDNEY
V1004	STOMACH	V1053	RENAL PELVIS
V1005	LARGE INTESTINE	V1059	URINARY ORGANS, OTHER
V1006	RECTUM, RECTOSIGMOID JUNCTION, AND ANUS	V1060	LEUKEMIA, UNSPECIFIED
V1007	LIVER	V1061	LYMPHOID LEUKEMIA
V1009	OTHER	V1062	MYELOID LEUKEMIA
V1011	BRONCHUS AND LUNG	V1063	MONOCYTIC LEUKEMIA
V1012	TRACHEA	V1069	LEUKEMIA, OTHER
V1020	RESPIRATORY ORGAN, UNSPECIFIED	V1071	LYMPHOSARCOMA AND RETICULOSARCOMA
V1021	LARYNX	V1072	HODGKIN'S DISEASE
V1022	NASAL CAVITIES, MIDDLE EAR, AND ACCESSORY SINUSES	V1079	OTHER LYMPHATIC AND HEMATOPOIETIC NEOPLASMS, OTHER
V1029	OTHER RESPIRATORY AND INTRATHORACIC ORGANS, OTHER	V1081	BONE
V103	BREAST	V1082	MALIGNANT MELANOMA OF SKIN
V1040	FEMALE GENITAL ORGAN, UNSPECIFIED	V1083	OTHER MALIGNANT NEOPLASM OF SKIN
V1041	CERVIX UTERI	V1084	EYE
V1042	OTHER PARTS OF UTERUS	V1085	BRAIN
V1043	OVARY	V1086	OTHER PARTS OF NERVOUS SYSTEM
V1044	OTHER FEMALE GENITAL ORGANS	V1087	THYROID
V1045	MALE GENITAL ORGAN, UNSPECIFIED	V1088	OTHER ENDOCRINE GLANDS AND RELATED STRUCTURES
V1046	PROSTATE	V1089	OTHER
V1047	TESTES	V109	UNSPECIFIED PERSONAL HISTORY OF MALIGNANT NEOPLASM
V1048	EPIDIDYMIS		

## Appendix F: Medical Discharge DRGs

These codes are used by the following PSIs:

PSI	How Used
<a href="#">Decubitus Ulcer (PSI 3) - Page 7</a>	<a href="#">Denominator inclusion - Page 8</a>
<a href="#">Foreign Body Left during Procedure, Secondary Diagnosis Field (PSI 5 and 21) - Page 16</a>	<a href="#">Denominator inclusion - Page 16</a>
<a href="#">Iatrogenic Pneumothorax, Secondary Diagnosis Field (PSI 6 and 22) - Page 16</a>	<a href="#">Denominator inclusion - Page 16</a>
<a href="#">Selected Infections Due to Medical Care, Secondary Diagnosis Field (PSI 7 and 23) - Page 22</a>	<a href="#">Denominator inclusion - Page 22</a>
<a href="#">Accidental Puncture or Laceration, Secondary Diagnosis Field (PSI 15 and 25) - Page 40</a>	<a href="#">Denominator inclusion - Page 40</a>
<a href="#">Transfusion Reaction, Secondary Diagnosis Field (PSI 16 and 26) - Page 41</a>	<a href="#">Denominator inclusion - Page 42</a>

In the table above, control-click (Word) or click (PDF) the **PSI** name to go to the start of that detailed definition. Click the link in the **How Used** column to go to where the medical discharge DRGs are referenced within the PSI detailed definition.

### Medical Discharge DRGs:

009	SPINAL DISORDERS AND INJURIES	028	TRAUMATIC STUPOR AND COMA, COMA LESS THAN ONE HOUR, AGE GREATER THAN 17 W/ CC
010	NERVOUS SYSTEM NEOPLASMS W/ CC	029	TRAUMATIC STUPOR AND COMA, COMA LESS THAN ONE HOUR, AGE GREATER THAN 17 W/O CC
011	NERVOUS SYSTEM NEOPLASMS W/ CC	030	TRAUMATIC STUPOR AND COMA, COMA LESS THAN ONE HOUR, AGE 0-17
012	DEGENERATIVE NERVOUS SYSTEM DISORDERS	031	CONCUSSION, AGE GREATER THAN 17 W/ CC
013	MULTIPLE SCLEROSIS AND CEREBELLAR ATAXIA	032	CONCUSSION, AGE GREATER THAN 17 W/O CC
014	SPECIFIC CEREBROVASCULAR DISORDERS EXCEPT TRANSIENT ISCHEMIC ATTACK	033	CONCUSSION, AGE 0-17
015	TRANSIENT ISCHEMIC ATTACK AND PRECEREBRAL OCCLUSIONS	034	OTHER DISORDERS OF NERVOUS SYSTEM W/ CC
016	NONSPECIFIC CEREBROVASCULAR DISORDERS W/ CC	035	OTHER DISORDERS OF NERVOUS SYSTEM W/O CC
017	NONSPECIFIC CEREBROVASCULAR DISORDERS W/O CC	043	HYPHEMA
018	CRANIAL AND PERIPHERAL NERVE DISORDERS W/ CC	044	ACUTE MAJOR EYE INFECTIONS
019	CRANIAL AND PERIPHERAL NERVE DISORDERS W/O CC	045	NEUROLOGICAL EYE DISORDERS
020	NERVOUS SYSTEM INFECTION EXCEPT VIRAL MENINGITIS	046	OTHER DISORDERS OF THE EYE, AGE GREATER THAN 17 W/ CC
021	VIRAL MENINGITIS	047	OTHER DISORDER OF THE EYE, AGE GREATER THAN 17 W/O CC
022	HYPERTENSIVE ENCEPHALOPATHY	048	OTHER DISORDERS OF THE EYE, AGE 0-17
023	NONTRAUMATIC STUPOR AND COMA	064	EAR, NOSE, MOUTH AND THROAT MALIGNANCY
024	SEIZURE AND HEADACHE, AGE GREATER THAN 17 W/ CC	065	DISEQUILIBRIA
025	SEIZURE AND HEADACHE, AGE GREATER THAN 17 W/O CC	066	EPISTAXIS
026	SEIZURE AND HEADACHE, AGE 0-17	067	EPIGLOTTITIS
027	TRAUMATIC STUPOR AND COMA, COMA GREATER THAN ONE HOUR	068	OTITIS MEDIA AND URI, AGE GREATER THAN 17 W/ CC



Appendix F: Medical Discharge DRG

069	OTITIS MEDIA AND URI, AGE GREATER THAN 17 W/O CC	125	CIRCULATORY DISORDERS EXCEPT ACUTE MYOCARDIAL INFARCTION W/ CARDIAC CATHETERIZATION W/O COMPLEX DIAGNOSIS
070	OTITIS MEDIA AND URI, AGE 0-17	126	ACUTE AND SUB ACUTE ENDOCARDITIS
071	LARYNGOTRACHEITIS	127	HEART FAILURE AND SHOCK
072	NASAL TRAUMA AND DEFORMITY	128	DEEP VEIN THROMBOPHLEBITIS
073	OTHER EAR, NOSE, MOUTH AND THROAT DIAGNOSES, AGE GREATER THAN 17	129	CARDIAC ARREST, UNEXPLAINED
074	OTHER EAR, NOSE, MOUTH AND THROAT DIAGNOSES, AGE 0-17	130	PERIPHERAL VASCULAR DISORDERS W/ CC
078	PULMONARY EMBOLISM	131	PERIPHERAL VASCULAR DISORDERS W/O CC
079	RESPIRATORY INFECTIONS AND INFLAMMATIONS, AGE GREATER THAN 17 W/ CC	132	ATHEROSCLEROSIS W/ CC
080	RESPIRATORY INFECTIONS AND INFLAMMATIONS, AGE GREATER THAN 17 W/O CC	133	ATHEROSCLEROSIS W/O CC
081	RESPIRATORY INFECTIONS AND INFLAMMATIONS, AGE 0-17	134	HYPERTENSION
082	RESPIRATORY NEOPLASMS	135	CARDIAC CONGENITAL AND VALVULAR DISORDERS, AGE GREATER THAN 17 W/ CC
083	MAJOR CHEST TRAUMA W/ CC	136	CARDIAC CONGENITAL AND VALVULAR DISORDERS, AGE GREATER THAN 17 W/O CC
084	MAJOR CHEST TRAUMA W/O CC	137	CARDIAC CONGENITAL AND VALVULAR DISORDERS, AGE 0 - 17
085	PLEURAL EFFUSION W/ CC	138	CARDIAC ARRHYTHMIA AND CONDUCTION DISORDERS W/ CC
086	PLEURAL EFFUSION W/O CC	139	CARDIAC ARRHYTHMIA AND CONDUCTION DISORDERS W/O CC
087	PULMONARY EDEMA AND RESPIRATORY FAILURE	140	ANGINA PECTORIS
088	CHRONIC OBSTRUCTIVE PULMONARY DISEASE	141	SYNCOPE AND COLLAPSE W/ CC
089	SIMPLE PNEUMONIA AND PLEURISY, AGE GREATER THAN 17 W/ CC	142	SYNCOPE AND COLLAPSE W/O CC
090	SIMPLE PNEUMONIA AND PLEURISY, AGE GREATER THAN 17 W/O CC	143	CHEST PAIN
091	SIMPLE PNEUMONIA AND PLEURISY, AGE 0-17	144	OTHER CIRCULATORY SYSTEM DIAGNOSES W/ CC
092	INTERSTITIAL LUNG DISEASE W/ CC	145	OTHER CIRCULATORY SYSTEM DIAGNOSES W/O CC
093	INTERSTITIAL LUNG DISEASE W/O CC	172	DIGESTIVE MALIGNANCY W/ CC
094	PNEUMOTHORAX W/ CC	173	DIGESTIVE MALIGNANCY W/O CC
095	PNEUMOTHORAX W/O CC	174	GI HEMORRHAGE W/ CC
096	BRONCHITIS AND ASTHMA, AGE GREATER THAN 17 W/ CC	175	GI HEMORRHAGE W/O CC
097	BRONCHITIS AND ASTHMA, AGE GREATER THAN 17 W/O CC	176	COMPLICATED PEPTIC ULCER
098	BRONCHITIS AND ASTHMA, AGE 0-17	177	UNCOMPLICATED PEPTIC ULCER W/ CC
099	RESPIRATORY SIGNS AND SYMPTOMS W/ CC	178	UNCOMPLICATED PEPTIC ULCER W/O CC
100	RESPIRATORY SIGNS AND SYMPTOMS W/O CC	179	INFLAMMATORY BOWEL DISEASE
101	OTHER RESPIRATORY SYSTEM DIAGNOSES W/ CC	180	GI OBSTRUCTION W/ CC
102	OTHER RESPIRATORY SYSTEM DIAGNOSES W/O CC	181	GI OBSTRUCTION W/O CC
121	CIRCULATORY DISORDERS W/ ACUTE MYOCARDIAL INFARCTION AND MAJOR COMPLICATION, DISCHARGED ALIVE	182	ESOPHAGITIS, GASTROENTERITIS AND MISCELLANEOUS DIGESTIVE DISORDERS, AGE GREATER THAN 17 W/ CC
122	CIRCULATORY DISORDERS W/ ACUTE MYOCARDIAL INFARCTION W/O MAJOR COMPLICATION, DISCHARGED ALIVE	183	ESOPHAGITIS, GASTROENTERITIS AND MISCELLANEOUS DIGESTIVE DISORDERS, AGE GREATER THAN 17 W/O CC
123	CIRCULATORY DISORDERS W/ ACUTE MYOCARDIAL INFARCTION, EXPIRED	184	ESOPHAGITIS, GASTROENTERITIS AND MISCELLANESOU DIGESTIVE DISORDERS, AGE 0-17
124	CIRCULATORY DISORDERS EXCEPT ACUTE MYOCARDIAL INFARCTION W/ CARDIAC CATHETERIZATION AND COMPLEX DIAGNOSIS	185	DENTAL AND ORAL DISEASES EXCEPT EXTRACTIONS AND RESTORATIONS, AGE GREATER THAN 17
		186	DENTAL AND ORAL DISEASES EXCEPT EXTRACTIONS AND RESTORATIONS, AGE 0-17

Appendix F: Medical Discharge DRG

187	DENTAL EXTRACTIONS AND RESTORATIONS	254	FRACTURES, SPRAINS, STRAINS AND DISLOCATIONS OF UPPER ARM AND LOWER LEG EXCEPT FOOT, AGE GREATER THAN 17 W/O CC
188	OTHER DIGESTIVE SYSTEM DIAGNOSES, AGE GREATER THAN 17 W/ CC		
189	OTHER DIGESTIVE SYSTEM DIAGNOSES, AGE GREATER THAN 17 W/O CC	255	FRACTURES, SPRAINS, STRAINS AND DISLOCATIONS OF UPPER ARM AND LOWER LEG EXCEPT FOOT, AGE 0-17
190	OTHER DIGESTIVE SYSTEM DIAGNOSES, AGE 0-17	256	OTHER MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE DIAGNOSES
202	CIRRHOSIS AND ALCOHOLIC HEPATITIS	271	SKIN ULCERS
203	MALIGNANCY OF HEPATOBILIARY SYSTEM OR PANCREAS	272	MAJOR SKIN DISORDERS W/ CC
204	DISORDERS OF PANCREAS EXCEPT MALIGNANCY	273	MAJOR SKIN DISORDERS W/O CC
205	DISORDERS OF LIVER EXCEPT MALIGNANCY, CIRRHOSIS AND ALCOHOLIC HEPATITIS W/ CC	274	MALIGNANT BREAST DISORDERS W/ CC
206	DISORDERS OF LIVER EXCEPT MALIGNANCY, CIRRHOSIS AND ALCOHOLIC HEPATITIS W/O CC	275	MALIGNANT BREAST DISORDERS W/O CC
207	DISORDERS OF THE BILIARY TRACT W/ CC	276	NONMALIGNANT BREAST DISORDERS
208	DISORDERS OF THE BILIARY TRACT W/O CC	277	CELLULITIS, AGE GREATER THAN 17 W/ CC
235	FRACTURES OF FEMUR	278	CELLULITIS, AGE GREATER THAN 17 W/O CC
236	FRACTURES OF HIP AND PELVIS	279	CELLULITIS, AGE 0-17
237	SPRAINS, STRAINS AND DISLOCATIONS OF HIP, PELVIS AND THIGH	280	TRAUMA TO SKIN, SUBCUTANEOUS TISSUE AND BREAST, AGE GREATER THAN 17 W/ CC
238	OSTEOMYELITIS	281	TRAUMA TO SKIN, SUBCUTANEOUS TISSUE AND BREAST, AGE GREATER THAN 17 W/O CC
239	PATHOLOGICAL FRACTURES AND MUSCULOSKELETAL AND CONNECTIVE TISSUE MALIGNANCY	282	TRAUMA TO SKIN, SUBCUTANEOUS TISSUE AND BREAST, AGE 0-17
240	CONNECTIVE TISSUE DISORDERS W/ CC	283	MINOR SKIN DISORDERS W/ CC
241	CONNECTIVE TISSUE DISORDERS W/O CC	284	MINOR SKIN DISORDERS W/O CC
242	SEPTIC ARTHRITIS	294	DIABETES, AGE GREATER THAN 35
243	MEDICAL BACK PROBLEMS	295	DIABETES, AGE 0-35
244	BONE DISEASES AND SPECIFIC ARTHROPATHIES W/ CC	296	NUTRITIONAL AND MISCELLANEOUS METABOLIC DISORDERS, AGE GREATER THAN 17 W/ CC
245	BONE DISEASES AND SPECIFIC ARTHROPATHIES W/O CC	297	NUTRITIONAL AND MISCELLANEOUS METABOLIC DISORDERS, AGE GREATER THAN 17 W/O CC
246	NONSPECIFIC ARTHROPATHIES	298	NUTRITIONAL AND MISCELLANEOUS METABOLIC DISORDERS, AGE 0-17
247	SIGNS AND SYMPTOMS OF MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE	299	INBORN ERRORS OF METABOLISM
248	TENDONITIS, MYOSITIS AND BURSITIS	300	ENDOCRINE DISORDERS W/ CC
249	AFTERCARE, MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE	301	ENDOCRINE DISORDERS W/O CC
250	FRACTURES, SPRAINS, STRAINS AND DISLOCATIONS OF FOREARM, HAND AND FOOT, AGE GREATER THAN 17 W/ CC	316	RENAL FAILURE
251	FRACTURES, SPRAINS, STRAINS AND DISLOCATIONS OF FOREARM, HAND AND FOOT, AGE GREATER THAN 17 W/O CC	317	ADMISSION FOR RENAL DIALYSIS
252	FRACTURES, SPRAINS, STRAINS AND DISLOCATIONS OF FOREARM, HAND AND FOOT, AGE 0-17	318	KIDNEY AND URINARY TRACT NEOPLASMS W/ CC
253	FRACTURES, SPRAINS, STRAINS AND DISLOCATIONS OF UPPER ARM AND LOWER LEG EXCEPT FOOT, AGE GREATER THAN 17 W/ CC	319	KIDNEY AND URINARY TRACT NEOPLASMS W/O CC
		320	KIDNEY AND URINARY TRACT INFECTIONS, AGE GREATER THAN 17 W/ CC
		321	KIDNEY AND URINARY TRACT INFECTIONS, AGE GREATER THAN 17 W/O CC
		322	KIDNEY AND URINARY TRACT INFECTION, AGE 0-17
		323	URINARY STONES W/ CC AND/ OR ESW LITHOTRIPSY
		324	URINARY STONES W/O CC

Appendix F: Medical Discharge DRG

325	KIDNEY AND URINARY TRACT SIGNS AND SYMPTOMS, AGE GREATER THAN 17 W/ CC	399	RETICULOENDOTHELIAL AND IMMUNITY DISORDERS W/O CC
326	KIDNEY AND URINARY TRACT SIGNS AND SYMPTOMS, AGE GREATER THAN 17 W/O CC	403	LYMPHOMA AND NONACUTE LEUKEMIA W/ CC
327	KIDNEY AND URINARY TRACT SIGNS AND SYMPTOMS, AGE 0-17	404	LYMPHOMA AND NONACUTE LEUKEMIA W/O CC
328	URETHRAL STRICTURE, AGE GREATER THAN 17 W/ CC	405	ACUTE LEUKEMIA W/O MAJOR OR PROCEDURE, AGE 0-17
329	URETHRAL STRICTURE, AGE GREATER THAN 17 W/O CC	409	RADIOTHERAPY
330	URETHRAL STRICTURE, AGE AGE 0-17	410	CHEMOTHERAPY W/O ACUTE LEUKEMIA AS SECONDARY DIAGNOSIS
331	OTHER KIDNEY AND URINARY TRACT DIAGNOSES, AGE GREATER THAN 17 W/ CC	411	HISTORY OF MALIGNANCY W/O ENDOSCOPY
332	OTHER KIDNEY AND URINARY TRACT DIAGNOSES, AGE GREATER THAN 17 W/O CC	412	HISTORY OF MALIGNANCY W/ ENDOSCOPY
333	OTHER KIDNEY AND URINARY TRACT DIAGNOSES, AGE 0-17	413	OTHER MYELOPROLIFERATIVE DISORDERS OR POORLY DIFFERENTIATED NEOPLASM DIAGNOSES W/ CC
346	MALIGNANCY OF MALE REPRODUCTIVE SYSTEM W/ CC	414	OTHER MYELOPROLIFERATIVE DISORDERS OR POORLY DIFFERENTIATED NEOPLASM DIAGNOSES W/O CC
347	MALIGNANCY OF MALE REPRODUCTIVE SYSTEM W/O CC	416	SEPTICEMIA, AGE GREATER THAN 17
348	BENIGN PROSTATIC HYPERTROPHY W/ CC	417	SEPTICEMIA, AGE 0-17
349	BENIGN PROSTATIC HYPERTROPHY W/O CC	418	POSTOPERATIVE AND POSTTRAUMATIC INFECTIONS
350	INFLAMMATION OF THE MALE REPRODUCTIVE SYSTEM	419	FEVER OF UNKNOWN ORIGIN, AGE GREATER THAN 17 W/ CC
351	STERILIZATION, MALE	420	FEVER OF UNKNOWN ORIGIN, AGE GREATER THAN 17 W/O CC
352	OTHER MALE REPRODUCTIVE SYSTEM DIAGNOSES	421	VIRAL ILLNESS, AGE GREATER THAN 17
366	MALIGNANCY OF FEMALE REPRODUCTIVE SYSTEM W/ CC	422	VIRAL ILLNESS AND FEVER OF UNKNOWN ORIGIN, AGE 0-17
367	MALIGNANCY OF FEMALE REPRODUCTIVE SYSTEM W/O CC	423	OTHER INFECTIOUS AND PARASITIC DISEASES DIAGNOSES
368	INFECTIONS OF FEMALE REPRODUCTIVE SYSTEM	425	ACUTE ADJUSTMENT REACTIONS AND DISTURBANCES OF PSYCHOSOCIAL DYSFUNCTION
369	MENSTRUAL AND OTHER FEMALE REPRODUCTIVE SYSTEM DISORDERS	426	DEPRESSIVE NEUROSES
372	VAGINAL DELIVERY W/ COMPLICATING DIAGNOSES	427	NEUROSES EXCEPT DEPRESSIVE
373	VAGINAL DELIVERY W/O COMPLICATING DIAGNOSES	428	DISORDERS OF PERSONALITY AND IMPULSE CONTROL
376	POSTPARTUM AND POSTABORTION DIAGNOSES W/O OR PROCEDURE	429	ORGANIC DISTURBANCES AND MENTAL RETARDATION
378	ENTOPIC PREGNANCY	430	PSYCHOSES
379	THREATENED ABORTION	431	CHILDHOOD MENTAL DISORDERS
380	ABORTION W/O D AND G	432	OTHER MENTAL DISORDER DIAGNOSES
382	FALSE LABOR	433	ALCOHOL/DRUG ABUSE OR DEPENDENCE, LEFT AGAINST MEDICAL ADVICE
383	OTHER ANTEPARTUM DIAGNOSES W/ MEDICAL COMPLICATIONS	434*	ALCOHOL/DRUG ABUSE OR DEPENDENCE, DETOXIFICATION OR OTHER SYMPTOMATIC TREATMENT W/ CC
384	OTHER ANTEPARTUM DIAGNOSES W/O MEDICAL COMPLICATIONS	435*	ALCOHOL/DRUG ABUSE OR DEPENDENCE, DETOXIFICATION OR OTHER SYMPTOMATIC TREATMENT W/O CC
395	RED BLOOD CELL DISORDERS, AGE GREATER THAN 17	436*	ALCOHOL/DRUG DEPENDENCE W/ REHABILITATION THERAPY
396	RED BLOOD CELL DISORDERS, AGE 0-17		
397	COAGULATION DISORDERS		
398	RETICULOENDOTHELIAL AND IMMUNITY DISORDERS W/ CC		

Appendix F: Medical Discharge DRG

437*	ALCOHOL DRUG DEPENDENCE W/ COMBINED REHABILITATION AND DETOXIFICATION THERAPY	492	CHEMOTHERAPY W/ ACUTE LEUKEMIA AS SECONDARY DIAGNOSIS
444	TRAUMATIC INJURY, AGE GREATER THAN 17 W/ CC	505	EXTENSIVE 3RD DEGREE BURNS W/O SKIN GRAFT
445	TRAUMATIC INJURY, AGE GREATER THAN 17 W/O CC	508	FULL THICKNESS BURN W/O SKIN GRFT OR INHAL INJ W CC OR SIG TRAUMA
446	TRAUMATIC INJURY, AGE 0-17	509	FULL THICKNESS BURN W/O SKIN GRFT OR INH INJ W/O CC OR SIG TRAUMA
447	ALLERGIC REACTIONS, AGE GREATER THAN 17	510	NON-EXTENSIVE BURNS W CC OR SIGNIFICANT TRAUMA
448	ALLERGIC REACTIONS, AGE 0-17	511	NON-EXTENSIVE BURNS W/O CC OR SIGNIFICANT TRAUMA
449	POISONING AND TOXIC EFFECTS OF DRUGS, AGE GREATER THAN 17 W/ CC	521	ALCOHOL/DRUG ABUSE OR DEPENDENCE W CC
450	POISONING AND TOXIC EFFECTS OF DRUGS, AGE GREATER THAN 17 W/O CC	522	ALC/DRUG ABUSE OR DEPEND W REHABILITATION THERAPY W/O CC
451	POISONING AND TOXIC EFFECTS OF DRUGS, AGE 0-17	523	ALC/DRUG ABUSE OR DEPEND W/O REHABILITATION THERAPY W/O CC
452	COMPLICATIONS OF TREATMENT W/ CC	524	TRANSIENT ISCHEMIA
453	COMPLICATIONS OF TREATMENT W/O CC	559	ACUTE ISCHEMIC STROKE WITH USE OF THROMBOLYTIC AGENT OCT05-
454	OTHER INJURY, POISONING AND TOXIC EFFECT DIAGNOSES W/ CC	560	BACTERIAL & TUBERCULOUS INFECTIONS OF NERVOUS SYSTEM OCT06-
455	OTHER INJURY, POISONING AND TOXIC EFFECT DIAGNOSES W/O CC	561	NON-BACTERIAL INFECTIONS OF NERVOUS SYSTEM EXCEPT VIRAL MENINGITIS OCT06-
456*	BURNS, TRANSFERRED TO ANOTHER ACUTE CARE FACILITY	562	SEIZURE AGE > 17 W CC OCT06-
457*	EXTENSIVE BURNS W/O O.R. PROCEDURE	563	SEIZURE AGE > 17 W/O CC OCT06-
460*	NON-EXTENSIVE BURNS W/O O.R. PROCEDURE	564	HEADACHES AGE >17 OCT06-
462	REHABILITATION	565	RESPIRATORY SYSTEM DIAGNOSIS WITH VENTILATOR SUPPORT 96+ HOURS OCT06-
463	SIGNS AND SYMPTOMS W/ CC	566	RESPIRATORY SYSTEM DIAGNOSIS WITH VENTILATOR SUPPORT < 96 HOURS OCT06-
464	SIGNS AND SYMPTOMS W/O CC	571	MAJOR ESOPHAGEAL DISORDERS OCT06-
465	AFTERCARE W/ HISTORY OF MALIGNANCY AS SECONDARY DIAGNOSIS	572	MAJOR GASTROINTESTINAL DISORDERS AND PERITONEAL INFECTIONS OCT06-
466	AFTERCARE W/O HISTORY OF MALIGNANCY AS SECONDARY DIAGNOSIS	574	MAJOR HEMATOLOGIC/IMMUNOLOGIC DIAG EXC SICKLE CELL CRISIS & COAGUL OCT06-
467	OTHER FACTORS INFLUENCING HEALTH STATUS	575	SEPTICEMIA W MV96+ HOURS AGE >17 OCT06-
473	ACUTE LEUKEMIA W/O MAJOR OR PROCEDURE, AGE GREATER THAN 17	576	SEPTICEMIA W/O MV96+ HOURS AGE >17 OCT06-
475	RESPIRATORY SYSTEM DIAGNOSIS W/ VENTILATOR SUPPORT		
487	OTHER MULTIPLE SIGNIFICANT TRAUMA		
489	HIV W/ MAJOR RELATED CONDITION		
490	HIV W/ OR W/O OTHER RELATED CONDITION		

\* No longer valid in FY2005

## Appendix G: Hemorrhage Diagnosis Codes

These codes are used by the following PSIs:

PSI	How Used
<a href="#">Death among Surgical (PSI 4)</a> - Page 9	<a href="#">FTR 1 Denominator exclusion</a> - Page <b>Error!</b> <b>Bookmark not defined.</b> <a href="#">FTR 5 Denominator exclusion</a> - Page 13
<a href="#">Postoperative Physiologic and Metabolic Derangement (PSI 10)</a> - Page 28	<a href="#">Denominator exclusion</a> - Page 29

In the table above, control-click (Word) or click (PDF) the **PSI** name to go to the start of that detailed definition. Click the link in the **How Used** column to go to where the hemorrhage diagnosis codes are referenced within the PSI detailed definition.

*ICD-9-CM Hemorrhage diagnosis codes:*

2851 ACUTE POSTHEMORRHAGIC ANEMIA  
 4590 OTHER DISORDERS OF CIRCULATORY SYSTEM, HEMORRHAGE, UNSPECIFIED  
 9582 CERTAIN EARLY COMPLICATIONS OF TRAUMA, SECONDARY AND RECURRENT HEMORRHAGE  
 99811 HEMORRHAGE COMPLICATING A PROCEDURE

## Appendix H: Shock Diagnosis Codes

These codes are used by the following PSIs:

PSI	How Used
<a href="#">Death among Surgical (PSI 4)</a> - Page 9	<a href="#">FTR 1 Denominator exclusion</a> - Page 13
<a href="#">Postoperative Physiologic and Metabolic Derangement (PSI 10)</a> - Page 28	<a href="#">Denominator exclusion</a> - Page 29

In the table above, control-click (Word) or click (PDF) the **PSI** name to go to the start of that detailed definition. Click the link in the **How Used** column to go to where the shock diagnosis codes are referenced within the PSI detailed definition.

### ICD-9-CM Shock diagnosis codes:

63450 SPONTANEOUS ABORTION W/ SHOCK - UNSPECIFIED  
 63451 SPONTANEOUS ABORTION W/ SHOCK - INCOMPLETE  
 63452 SPONTANEOUS ABORTION W/ SHOCK - COMPLETE  
 63550 LEGAL ABORTION W/ SHOCK - UNSPECIFIED  
 63551 LEGAL ABORTION W/ SHOCK - INCOMPLETE  
 63552 LEGAL ABORTION W/ SHOCK - COMPLETE  
 63650 ILLEGAL ABORTION W/ SHOCK - UNSPECIFIED  
 63651 ILLEGAL ABORTION W/ SHOCK - INCOMPLETE  
 63652 ILLEGAL ABORTION W/ SHOCK - COMPLETE  
 63750 ABORTION NOS W/ SHOCK - UNSPECIFIED  
 63751 ABORTION NOS W/ SHOCK - INCOMPLETE  
 63752 ABORTION NOS W/ SHOCK - COMPLETE  
 6385 ATTEMPTED ABORTION W/ SHOCK  
 6395 COMPLICATIONS FOLLOWING ABORTION AND ECTOPIC AND MOLAR PREGNANCIES, SHOCK  
 66910 SHOCK DURING OR FOLLOWING LABOR AND DELIVERY, UNSPECIFIED AS TO EPISODE OF CARE OR NOT APPLICABLE  
 66911 SHOCK DURING OR FOLLOWING LABOR AND DELIVERY, DELIVERED W/ OR W/O MENTION OF ANTEPARTUM CONDITION  
 66912 SHOCK DURING OR FOLLOWING LABOR AND DELIVERY, DELIVERED W/ MENTION OF POSTPARTUM COMPLICATION  
 66913 SHOCK DURING OR FOLLOWING LABOR AND DELIVERY, ANTEPARTUM CONDITION OR COMPLICATION  
 66914 SHOCK DURING OR FOLLOWING LABOR AND DELIVERY, POSTPARTUM CONDITION OR COMPLICATION  
 7855 SHOCK W/O MENTION OF TRAUMA  
 78550 SHOCK, UNSPECIFIED  
 78551 CARDIOGENIC SHOCK  
 78552 SEPTIC SHOCK OCT03-  
 78559 SHOCK W/O MENTION OF TRAUMA, OTHER  
 9950 OTHER ANAPHYLACTIC SHOCK  
 9954 SHOCK DUE TO ANESTHESIA  
 9980 POSTOPERATIVE SHOCK  
 9994 ANAPHYLACTIC SHOCK, DUE TO SERUM

## Appendix I: ICD-9-CM Gastrointestinal (GI) Hemorrhage Diagnosis Codes

These codes are used by the following PSIs:

PSI	How Used
<a href="#">Death among Surgical (PSI 4)</a> - Page 3	<a href="#">FTR 1 Denominator exclusion</a> - Page <b>Error!</b> <b>Bookmark not defined.</b> <a href="#">FTR 5 Denominator exclusion</a> - Page 13
<a href="#">Postoperative Physiologic and Metabolic Derangement (PSI 10)</a> - Page 28	<a href="#">Denominator exclusion</a> - Page 29

In the table above, control-click (Word) or click (PDF) the **PSI** name to go to the start of that detailed definition. Click the link in the **How Used** column to go to where the GI hemorrhage diagnosis codes are referenced within the PSI detailed definition.

### ICD-9-CM Gastrointestinal (GI) Hemorrhage diagnosis codes:

4560	ESOPHAGEAL VARICES W/ BLEEDING	53221	DUODENAL ULCER ACUTE W/ HEMORRHAGE AND PERFORATION – W/ OBSTRUCTION
45620	ESOPHAGEAL VARICES IN DISEASES CLASSIFIED ELSEWHERE W/ BLEEDING	53240	DUODENAL ULCER CHRONIC OR UNSPECIFIED W/ HEMORRHAGE – W/O MENTION OF OBSTRUCTION
5307	GASTROESOPHAGEAL LACERATION – HEMORRHAGE SYNDROME	53241	DUODENAL ULCER CHRONIC OR UNSPECIFIED W/ HEMORRHAGE – W/ OBSTRUCTION
53082	ESOPHAGEAL HEMORRHAGE	53260	DUODENAL ULCER CHRONIC OR UNSPECIFIED W/ HEMORRHAGE AND PERFORATION – W/O MENTION OF OBSTRUCTION
53100	GASTRIC ULCER ACUTE W/ HEMORRHAGE – W/O MENTION OF OBSTRUCTION	53261	DUODENAL ULCER CHRONIC OR UNSPECIFIED W/ HEMORRHAGE AND PERFORATION – W/ OBSTRUCTION
53101	GASTRIC ULCER ACUTE W/ HEMORRHAGE – W/ OBSTRUCTION	53300	PEPTIC ULCER, SITE UNSPECIFIED, ACUTE W/ HEMORRHAGE – W/O MENTION OF OBSTRUCTION
53120	GASTRIC ULCER ACUTE W/ HEMORRHAGE AND PERFORATION – W/O MENTION OF OBSTRUCTION	53301	PEPTIC ULCER, SITE UNSPECIFIED, ACUTE W/ HEMORRHAGE – W/ OBSTRUCTION
53121	GASTRIC ULCER ACUTE W/ HEMORRHAGE AND PERFORATION – W/ OBSTRUCTION	53320	PEPTIC ULCER, SITE UNSPECIFIED, ACUTE W/ HEMORRHAGE AND PERFORATION – W/O MENTION OF OBSTRUCTION
53140	GASTRIC ULCER CHRONIC OR UNSPECIFIED W/ HEMORRHAGE – W/O MENTION OF OBSTRUCTION	53321	PEPTIC ULCER, SITE UNSPECIFIED, ACUTE W/ HEMORRHAGE AND PERFORATION – W/ OBSTRUCTION
53141	GASTRIC ULCER CHRONIC OR UNSPECIFIED W/ HEMORRHAGE – W/ OBSTRUCTION	53340	PEPTIC ULCER, SITE UNSPECIFIED, CHRONIC OR UNSPECIFIED W/ HEMORRHAGE – W/O MENTION OF OBSTRUCTION
53160	GASTRIC ULCER CHRONIC OR UNSPECIFIED W/ HEMORRHAGE AND PERFORATION – W/O MENTION OF OBSTRUCTION	53341	PEPTIC ULCER, SITE UNSPECIFIED, CHRONIC OR UNSPECIFIED W/ HEMORRHAGE – W/ OBSTRUCTION
53161	GASTRIC ULCER CHRONIC OR UNSPECIFIED W/ HEMORRHAGE AND PERFORATION – W/ OBSTRUCTION		
53200	DUODENAL ULCER ACUTE W/ HEMORRHAGE – W/O MENTION OF OBSTRUCTION		
53201	DUODENAL ULCER ACUTE W/ HEMORRHAGE – W/ OBSTRUCTION		
53220	DUODENAL ULCER ACUTE W/ HEMORRHAGE AND PERFORATION – W/O MENTION OF OBSTRUCTION		



Appendix I: ICD-9-CM Gastrointestinal (GI) Hemorrhage Diagnosis Code

53360	PEPTIC ULCER, SITE UNSPECIFIED, CHRONIC OR UNSPECIFIED W/ HEMORRHAGE AND PERFORATION – W/O MENTION OF OBSTRUCTION	53531	GASTRITIS AND DUODENITIS, ALCOHOLIC GASTRITIS, W/ HEMORRHAGE
53361	PEPTIC ULCER, SITE UNSPECIFIED, CHRONIC OR UNSPECIFIED W/ HEMORRHAGE AND PERFORATION – W/ OBSTRUCTION	53541	GASTRITIS AND DUODENITIS, OTHER SPECIFIED GASTRITIS – W/ HEMORRHAGE
53400	GASTROJEJUNAL ULCER, ACUTE W/ HEMORRHAGE – W/O MENTION OF OBSTRUCTION	53551	GASTRITIS AND DUODENITIS, UNSPECIFIED GASTRITIS AND GASTRODUODENITIS – W/ HEMORRHAGE
53401	GASTROJEJUNAL ULCER, ACUTE W/ HEMORRHAGE – W/ OBSTRUCTION	53561	GASTRITIS AND DUODENITIS, DUODENITIS – W/ HEMORRHAGE
53420	GASTROJEJUNAL ULCER, ACUTE W/ HEMORRHAGE AND PERFORATION – W/O MENTION OF OBSTRUCTION	53783	OTHER SPECIFIED DISORDERS OF STOMACH AND DUODENUM, ANGIODYSPLASIA OF STOMACH AND DUODENUM – W/ HEMORRHAGE
53421	GASTROJEJUNAL ULCER, ACUTE W/ HEMORRHAGE AND PERFORATION – W/ OBSTRUCTION	53784	DIEULAFOY LESION (HEMORRHAGIC) OF STOMACH AND DUODENUM
53440	GASTROJEJUNAL ULCER, CHRONIC OR UNSPECIFIED W/ HEMORRHAGE – W/O MENTION OF OBSTRUCTION	56202	DIVERTICULOSIS OF SMALL INTESTINE – W/ HEMORRHAGE
53441	GASTROJEJUNAL ULCER, CHRONIC OR UNSPECIFIED W/ HEMORRHAGE – W/ OBSTRUCTION	56203	DIVERTICULITIS OF SMALL INTESTINE – W/ HEMORRHAGE
53460	GASTROJEJUNAL ULCER, CHRONIC OR UNSPECIFIED W/ HEMORRHAGE AND PERFORATION – W/O MENTION OF OBSTRUCTION	56212	DIVERTICULOSIS OF COLON – W/ HEMORRHAGE
53461	GASTROJEJUNAL ULCER, CHRONIC OR UNSPECIFIED W/ HEMORRHAGE AND PERFORATION – W/ OBSTRUCTION	56213	DIVERTICULITIS OF COLON – W/ HEMORRHAGE
53501	GASTRITIS AND DUODENITIS, ACUTE GASTRITIS W/ HEMORRHAGE	56993	HEMORRHAGE OF RECTUM AND ANUS
53511	GASTRITIS AND DUODENITIS, ATROPHIC GASTRITIS W/ HEMORRHAGE	56985	ANGIODYSPLASIA OF INTESTINE - W/ HEMORRHAGE
53521	GASTRITIS AND DUODENITIS, GASTRIC MUCOSAL HYPERTROPHY, W/ HEMORRHAGE	56986	DIEULAFOY LESION (HEMORRHAGIC) OF INTESTINE
		5780	GASTROINTESTINAL HEMORRHAGE, HEMATEMESIS
		5781	GASTROINTESTINAL HEMORRHAGE, BLOOD IN STOOL
		5789	GASTROINTESTINAL HEMORRHAGE, HEMORRHAGE OF GASTROINTESTINAL TRACT, UNSPECIFIED

## Appendix J: Trauma DRGs

These codes are used by the following PSIs:

PSI	How Used
<a href="#">Death among Surgical (PSI 4)</a> - Page 9	<a href="#">FTR 1 Denominator exclusion</a> - <a href="#">FTR 5 Denominator exclusion</a> <a href="#">FTR 6 Denominator exclusion</a>
<a href="#">Iatrogenic Pneumothorax, Secondary Diagnosis Field (PSI 6 and 22)</a> - Page 16	<a href="#">Denominator exclusion</a>

In the table above, control-click (Word) or click (PDF) the **PSI** name to go to the start of that detailed definition. Click the link in the **How Used** column to go to where the trauma DRGs are referenced within the PSI detailed definition.

002	CRANIOTOMY FOR TRAUMA, AGE GREATER THAN 17	457*	EXTENSIVE BURNS W/O O.R. PROCEDURE
027	TRAUMATIC STUPOR AND COMA, COMA GREATER THAN ONE HOUR	458*	NON-EXTENSIVE BURNS W SKIN GRAFT
028	TRAUMATIC STUPOR AND COMA, COMA LESS THAN ONE HOUR, AGE GREATER THAN 17 W/ CC	459*	NON-EXTENSIVE BURNS W WOUND DEBRIDEMENT OR OTHER O.R. PROC
029	TRAUMATIC STUPOR AND COMA, COMA LESS THAN ONE HOUR, AGE GREATER THAN 17 W/O CC	460*	NON-EXTENSIVE BURNS W/O O.R. PROCEDURE
030	TRAUMATIC STUPOR AND COMA, COMA LESS THAN ONE HOUR, AGE 0-17	484	CRANIOTOMY FOR MULTIPLE SIGNIFICANT TRAUMA
031	CONCUSSION, AGE GREATER THAN 17 W/ CC	485	LIMB REATTACHMENT, HIP AND FEMUR PROCEDURES FOR MULTIPLE SIGNIFICANT TRAUMA
032	CONCUSSION, AGE GREATER THAN 17 W/O CC	486	OTHER OR PROCEDURES FOR MULTIPLE SIGNIFICANT TRAUMA
033	CONCUSSION, AGE 0-17	487	OTHER MULTIPLE SIGNIFICANT TRAUMAS
072	NASAL TRAUMA AND DEFORMITY	491	MAJOR JOINT AND LIMB REATTACHMENT PROCEDURES OF UPPER EXTREMITY
083	MAJOR CHEST TRAUMA W/ CC	504	TOTAL HEPATECTOMY
084	MAJOR CHEST TRAUMA W/O CC	505	EXTENSIVE 3RD DEGREE BURNS W/O SKIN GRAFT
235	FRACTURES OF FEMUR	506	FULL THICKNESS BURN W/ SKIN GRAFT OR INHALATION INJURY W/ CC OR SIGNIFICANT TRAUMA
236	FRACTURE OF HIP AND PELVIS	507	FULL THICKNESS BURN W/ SKIN GRAFT OR INHALATION INJURY W/O CC OR SIGNIFICANT TRAUMA
237	SPRAINS, STRAINS AND DISLOCATIONS OF HIP, PELVIS AND THIGH	508	FULL THICKNESS BURN W/O SKIN GRAFT OR INHALATION INJURY W/ CC OR SIGNIFICANT TRAUMA
440	WOUND DEBRIDEMENTS FOR INJURIES	509	FULL THICKNESS BURN W/O SKIN GRAFT OR INHALATION INJURY W/O CC OR SIGNIFICANT TRAUMA
441	HAND PROCEDURES FOR INJURIES	510	NON-EXTENSIVE BURNS W/ CC OR SIGNIFICANT TRAUMA
442	OTHER OR PROCEDURES FOR INJURIES W/ CC	511	NON-EXTENSIVE BURNS W/O CC OR SIGNIFICANT TRAUMA
443	OTHER OR PROCEDURES FOR INJURIES W/O CC		
444	TRAUMATIC INJURY, AGE GREATER THAN 17 W/ CC		
445	TRAUMATIC INJURY, AGE GREATER THAN 17 W/O CC		
446	TRAUMATIC INJURY, AGE 0-17		
456*	BURNS, TRANSFERRED TO ANOTHER ACUTE CARE FACILITY		

\* No longer valid in FY 2005

## Appendix K: Pulmonary Embolism/Deep Vein Thrombosis Diagnosis Codes

These codes are used by the following PSIs:

PSI	How Used
<a href="#">Death among Surgical (PSI 4)</a> - Page 9	<a href="#">FTR 2 Numerator inclusion</a> , unless primary diagnosis - Page 9
<a href="#">Postoperative Pulmonary Embolism or Deep Vein Thrombosis (PSI 12)</a> - Page 32	<a href="#">Numerator inclusion</a> - Page 32

In the table above, control-click (Word) or click (PDF) the **PSI** name to go to the start of that detailed definition. Click the link in the **How Used** column to go to where the PE/DVT codes are referenced within the PSI detailed definition.

### *ICD-9-CM Pulmonary Embolism diagnosis codes:*

4151 PULMONARY EMBOLISM AND INFARCTION  
 41511 IATROGENIC PULMONARY EMBOLISM AND INFARCTION  
 41519 PULMONARY EMBOLISM AND INFARCTION, OTHER

### *ICD-9-CM Deep Vein Thrombosis diagnosis codes:*

45111 PHLEBITIS AND THROMBOSIS OF FEMORAL VEIN (DEEP) (SUPERFICIAL)  
 45119 PHLEBITIS AND THROMBOPHLEBITIS OF DEEP VESSEL OF LOWER EXTREMITIES – OTHER  
 4512 PHLEBITIS AND THROMBOPHLEBITIS OF LOWER EXTREMITIES UNSPECIFIED  
 45181 PHLEBITIS AND THROMBOPHLEBITIS OF ILIAC VEIN  
 4519 PHLEBITIS AND THROMBOPHLEBITIS OF OTHER SITES - OF UNSPECIFIED SITE  
 45340 DVT-EMBLSM LOWER EXT NOS (OCT 04)  
 45341 DVT-EMB PROX LOWER EXT (OCT 04)  
 45342 DVT-EMB DISTAL LOWER EXT (OCT 04)  
 4538 OTHER VENOUS EMBOLISM AND THROMBOSIS OF OTHER SPECIFIED VEINS  
 4539 OTHER VENOUS EMBOLISM AND THROMBOSIS OF UNSPECIFIED SITE

## Appendix L: Self-Inflicted Injury Diagnosis Codes

These codes are used by the following PSIs:

PSI	How Used
<a href="#">Complications of Anesthesia (PSI 1)</a> - Page 3	<a href="#">Denominator exclusion</a> - Page 3
<a href="#">Postoperative Hip Fracture (PSI 8)</a> - Page 23	<a href="#">Denominator exclusion</a> - Page 23

In the table above, control-click (Word) or click (PDF) the **PSI** name to go to the start of that detailed definition. Click the link in the **How Used** column to go to where the self-inflicted injury diagnosis codes are referenced within the PSI detailed definition.

*ICD-9-CM Self-Inflicted Injury diagnosis codes:*

Suicide and self-inflicted poisoning by solid or liquid substance:

E9500 ANALGESICS, ANTIPYRETICS, AND ANTIRHEUMATICS  
 E9501 BARBITURATES  
 E9502 OTHER SEDATIVE AND HYPNOTICS  
 E9503 TRANQUILIZERS AND OTHER PSYCHOTROPIC AGENTS  
 E9504 OTHER SPECIFIED DRUGS AND MEDICINAL SUBSTANCES  
 E9505 UNSPECIFIED DRUG OR MEDICINAL SUBSTANCE  
 E9506 AGRICULTURAL AND HORTICULTURAL CHEMICAL AND PHARMACEUTICAL PREPARATIONS  
 OTHER THAN PLANT FOODS AND FERTILIZERS  
 E9507 CORROSIVE AND CAUSTIC SUBSTANCES  
 E9508 ARSENIC AND ITS COMPOUNDS  
 E9509 OTHER AND UNSPECIFIED SOLID AND LIQUID SUBSTANCES

Suicide and self-inflicted poisoning by gases in domestic use:

E9510 GAS DISTRIBUTED BY PIPELINE  
 E9511 LIQUEFIED PETROLEUM GAS DISTRIBUTED IN MOBILE CONTAINERS  
 E9518 OTHER UTILITY GASES

Suicide and self-inflicted poisoning by other gases and vapors:

E9520 MOTOR VEHICLE EXHAUST GAS  
 E9521 OTHER CARBON MONOXIDE  
 E9528 OTHER SPECIFIED GASES AND VAPORS  
 E9529 UNSPECIFIED GASES AND VAPORS

Suicide and self-inflicted injury by hanging, strangulation, and suffocation:

E9530 HANGING  
 E9531 SUFFOCATION BY PLASTIC BAG  
 E9538 OTHER SPECIFIED MEANS  
 E954 SUICIDE AND SELF-INFLECTED INJURY BY SUBMERSION [DROWNING]

Suicide and self-inflicted injury by firearms and explosives:

E9550 HANDGUN  
 E9551 SHOTGUN  
 E9552 HUNTING RIFLE  
 E9553 MILITARY FIREARMS  
 E9554 OTHER AND UNSPECIFIED FIREARMS  
 E9555 EXPLOSIVES

## Appendix L: Self-Inflicted Injury Diagnosis Code

E9559 UNSPECIFIED  
E956 SUICIDE AND SELF INFLICTED INJURY BY CUTTING AND PIERCING INSTRUMENT

Suicide and self-inflicted injury by jumping from a high place:

E9570 RESIDENTIAL PREMISES  
E9571 OTHER MAN-MADE STRUCTURES  
E9572 NATURAL SITES  
E9579 UNSPECIFIED

Suicide and self-inflicted injury by other and unspecified means:

E9580 JUMPING OR LYING BEFORE MOVING OBJECT  
E9581 BURNS, FIRE  
E9582 SCALD  
E9583 EXTREMES OF COLD  
E9584 ELECTROCUTION  
E9585 CRASHING OF MOTOR VEHICLE  
E9586 CRASHING OF AIRCRAFT  
E9587 CAUSTIC SUBSTANCES EXCEPT POISONING  
E9588 OTHER SPECIFIED MEANS  
E9589 UNSPECIFIED MEANS

## Appendix M: Acute Myocardial Infarction (AMI) Diagnosis Codes

These codes are used by the following PSIs:

PSI	How Used
<a href="#">Death among Surgical (PSI 4)</a> - Page 9	<a href="#">FTR 1 Denominator exclusion</a> - Page <b>Error!</b> <b>Bookmark not defined.</b>
<a href="#">Postoperative Physiologic and Metabolic Derangement (PSI 10)</a> - Page 28	<a href="#">Denominator exclusion</a> - Page 29

In the table above, control-click (Word) or click (PDF) the **PSI** name to go to the start of that detailed definition. Click the link in the **How Used** column to go to where the AMI diagnosis codes are referenced within the PSI detailed definition.

### *ICD-9-CM Acute Myocardial Infarction diagnosis codes:*

41000 AMI OF ANTEROLATERAL WALL – EPISODE OF CARE UNSPECIFIED  
 41001 AMI OF ANTEROLATERAL WALL – INITIAL EPISODE OF CARE  
 41010 AMI OF OTHER ANTERIOR WALL – EPISODE OF CARE UNSPECIFIED  
 41011 AMI OF OTHER ANTERIOR WALL – INITIAL EPISODE OF CARE  
 41020 AMI OF INFEROLATERAL WALL – EPISODE OF CARE UNSPECIFIED  
 41021 AMI OF INFEROLATERAL WALL – INITIAL EPISODE OF CARE  
 41030 AMI OF INFEROPOSTERIOR WALL – EPISODE OF CARE UNSPECIFIED  
 41031 AMI OF INFEROPOSTERIOR WALL – INITIAL EPISODE OF CARE  
 41040 AMI OF INFERIOR WALL – EPISODE OF CARE UNSPECIFIED  
 41041 AMI OF INFERIOR WALL – INITIAL EPISODE OF CARE  
 41050 AMI OF OTHER LATERAL WALL – EPISODE OF CARE UNSPECIFIED  
 41051 AMI OF OTHER LATERAL WALL – INITIAL EPISODE OF CARE  
 41060 AMI TRUE POSTERIOR WALL INFARCTION – EPISODE OF CARE UNSPECIFIED  
 41061 AMI TRUE POSTERIOR WALL INFARCTION – INITIAL EPISODE OF CARE  
 41070 AMI SUBENDOCARDIAL INFARCTION – EPISODE OF CARE UNSPECIFIED  
 41071 AMI SUBENDOCARDIAL INFARCTION – INITIAL EPISODE OF CARE  
 41080 AMI OF OTHER SPECIFIED SITES – EPISODE OF CARE UNSPECIFIED  
 41081 AMI OF OTHER SPECIFIED SITES – INITIAL EPISODE OF CARE  
 41090 AMI UNSPECIFIED SITE – EPISODE OF CARE UNSPECIFIED  
 41091 AMI UNSPECIFIED SITE – INITIAL EPISODE OF CARE

## Appendix N: Cardiac Arrhythmia Diagnosis Codes

These codes are used by the following PSIs:

PSI	How Used
<a href="#">Death among Surgical (PSI 4)</a> - Page 9	<a href="#">FTR 1 Denominator exclusion</a> - Page <b>Error!</b> <b>Bookmark not defined.</b>
<a href="#">Postoperative Physiologic and Metabolic Derangement (PSI 10)</a> - Page 28	<a href="#">Denominator exclusion</a> - Page 29

In the table above, control-click (Word) or click (PDF) the **PSI** name to go to the start of that detailed definition. Click the link in the **How Used** column to go to where the cardiac arrhythmia diagnosis codes are referenced within the PSI detailed definition.

### *ICD-9-CM Cardiac Arrhythmia diagnosis codes:*

4260 ATRIOVENTRICULAR BLOCK, COMPLETE  
 4270 PAROXYSMAL SUPRAVENTRICULAR TACHYCARDIA  
 4271 PAROXYSMAL VENTRICULAR TACHYCARDIA  
 4272 PAROXYSMAL TACHYCARDIA, UNSPECIFIED  
 42731 ATRIAL FIBRILLATION  
 42732 ATRIAL FLUTTER  
 42741 VENTRICULAR FIBRILLATION  
 42742 VENTRICULAR FLUTTER  
 4279 CARDIAC DYSRHYTHMIA



## Appendix O: Sepsis Diagnosis Codes

These codes are used by the following PSIs:

PSI	How Used
<a href="#">Postoperative Sepsis (PSI 13)</a> - Page 32	<a href="#">Numerator inclusion</a> - Page 32 <a href="#">Denominator exclusion</a> - Page 32

In the table above, control-click (Word) or click (PDF) the **PSI** name to go to the start of that detailed definition. Click the link in the **How Used** column to go to where the sepsis diagnosis codes are referenced within the PSI detailed definition.

### ICD-9-CM Sepsis diagnosis codes:

0380 STREPTOCOCCAL SEPTICEMIA  
 0381 STAPHYLOCOCCAL SEPTICEMIA  
 03810 STAPHYLOCOCCAL SEPTICEMIA, UNSPECIFIED  
 03811 STAPHYLOCOCCUS AUREUS SEPTICEMIA  
 03819 OTHER STAPHYLOCOCCAL SEPTICEMIA  
 0382 PNEUMOCOCCAL SEPTICEMIA (STREPTOCOCCUS PNEUMONIAE SEPTICEMIA)  
 0383 SEPTICEMIA DUE TO ANAEROBES  
 78552 SEPTIC SHOCK  
 78559 OTHER SHOCK W/O MENTION OF TRAUMA  
 9980 POSTOPERATIVE SHOCK

### Septicemia due to:

03840 GRAM-NEGATIVE ORGANISM, UNSPECIFIED  
 03841 HEMOPHILUS INFLUENZAE  
 03842 ESCHERICHIA COLI  
 03843 PSEUDOMONAS  
 03844 SERRATIA  
 03849 SEPTICEMIA DUE TO OTHER GRAM-NEGATIVE ORGANISMS  
 0388 OTHER SPECIFIED SEPTICEMIAS  
 0389 UNSPECIFIED SEPTICEMIA  
 99591 SYSTEMIC INFLAMMATORY RESPONSE SYNDROME DUE TO INFECTIOUS PROCESS W/O ORGAN DYSFUNCTION  
 99592 SYSTEMIC INFLAMMATORY RESPONSE SYNDROME DUE TO INFECTIOUS PROCESS W/ ORGAN DYSFUNCTION

## Appendix P: Infection Diagnosis Codes and DRGs

These codes are used by the following PSIs:

PSI	How Used
<a href="#">Death among Surgical (PSI 4)</a> - Page 9	<a href="#">FTR 4 Denominator exclusion</a> - Page 12
<a href="#">Postoperative Sepsis (PSI 13)</a> - Page 32	<a href="#">Denominator exclusion</a> - Page 32

In the table above, control-click (Word) or click (PDF) the **PSI** name to go to the start of that detailed definition. Click the link in the **How Used** column to go to where the infection diagnosis codes are referenced within the PSI detailed definition.

### ICD-9-CM Infection diagnosis codes

0010	CHOLERA D/T VIB CHOLERA	OCT05-	00844	INT INF YRSNIA ENTRCLTCA	OCT05-
0011	CHOLERA D/T VIB EL TOR	OCT05-	00845	INT INF CLSTRDIUM DFCILE	OCT05-
0019	CHOLERA NOS	OCT05-	00846	INTES INFEC OTH ANEROBES	OCT05-
0020	TYPHOID FEVER	OCT05-	00847	INT INF OTH GRM NEG BCTR	OCT05-
0021	PARATYPHOID FEVER A	OCT05-	00849	BACTERIAL ENTERITIS NEC	OCT05-
0022	PARATYPHOID FEVER B	OCT05-	0085	BACTERIAL ENTERITIS NOS	OCT05-
0023	PARATYPHOID FEVER C	OCT05-	0200	BUBONIC PLAGUE	OCT05-
0029	PARATYPHOID FEVER NOS	OCT05-	0201	CELLULOCUTANEOUS PLAGUE	OCT05-
0030	SALMONELLA ENTERITIS	OCT05-	0202	SEPTICEMIC PLAGUE	OCT05-
0031	SALMONELLA SEPTICEMIA	OCT05-	0203	PRIMARY PNEUMONIC PLAGUE	OCT05-
00320	LOCAL SALMONELLA INF NOS	OCT05-	0204	SECONDARY PNEUMON PLAGUE	OCT05-
00321	SALMONELLA MENINGITIS	OCT05-	0205	PNEUMONIC PLAGUE NOS	OCT05-
00322	SALMONELLA PNEUMONIA	OCT05-	0208	OTHER TYPES OF PLAGUE	OCT05-
00323	SALMONELLA ARTHRITIS	OCT05-	0209	PLAGUE NOS	OCT05-
00324	SALMONELLA OSTEOMYELITIS	OCT05-	0210	ULCEROGLANDUL TULAREMIA	OCT05-
00329	LOCAL SALMONELLA INF NEC	OCT05-	0211	ENTERIC TULAREMIA	OCT05-
0038	SALMONELLA INFECTION NEC	OCT05-	0212	PULMONARY TULAREMIA	OCT05-
0039	SALMONELLA INFECTION NOS	OCT05-	0213	OCULOGLANDULAR TULAREMIA	OCT05-
0040	SHIGELLA DYSENTERIAE	OCT05-	0218	TULAREMIA NEC	OCT05-
0041	SHIGELLA FLEXNERI	OCT05-	0219	TULAREMIA NOS	OCT05-
0042	SHIGELLA BOYDII	OCT05-	0220	CUTANEOUS ANTHRAX	OCT05-
0043	SHIGELLA SONNEI	OCT05-	0221	PULMONARY ANTHRAX	OCT05-
0048	SHIGELLA INFECTION NEC	OCT05-	0222	GASTROINTESTINAL ANTHRAX	OCT05-
0049	SHIGELLOSIS NOS	OCT05-	0223	ANTHRAX SEPTICEMIA	OCT05-
0050	STAPH FOOD POISONING	OCT05-	0228	OTHER ANTHRAX MANIFEST	OCT05-
0051	BOTULISM	OCT05-	0229	ANTHRAX NOS	OCT05-
0052	FOOD POIS D/T C. PERFRIN	OCT05-	0230	BRUCELLA MELITENSIS	OCT05-
0053	FOOD POIS: CLOSTRID NEC	OCT05-	0231	BRUCELLA ABORTUS	OCT05-
0054	FOOD POIS: V. PARAHAEM	OCT05-	0232	BRUCELLA SUIS	OCT05-
00581	FOOD POISN D/T V. VULNIF	OCT05-	0233	BRUCELLA CANIS	OCT05-
00589	BACT FOOD POISONING NEC	OCT05-	0238	BRUCellosIS NEC	OCT05-
0059	FOOD POISONING NOS	OCT05-	0239	BRUCellosIS NOS	OCT05-
00800	INTEST INFEC E COLI NOS	OCT05-	024	GLANDERS	OCT05-
00801	INT INF E COLI ENTRPATH	OCT05-	025	MELIOIDOSIS	OCT05-
00802	INT INF E COLI ENTRTOXGN	OCT05-	0260	SPIRILLARY FEVER	OCT05-
00803	INT INF E COLI ENTRNVSV	OCT05-	0261	STREPTOBACILLARY FEVER	OCT05-
00804	INT INF E COLI ENTRHMRG	OCT05-	0269	RAT-BITE FEVER NOS	OCT05-
00809	INT INF E COLI SPCF NEC	OCT05-	0270	LISTERIOSIS	OCT05-
0081	ARIZONA ENTERITIS	OCT05-	0271	ERYSIPELOTHRIX INFECTION	OCT05-
0082	AEROBACTER ENTERITIS	OCT05-	0272	PASTEURELLOSIS	OCT05-
0083	PROTEUS ENTERITIS	OCT05-	0278	ZOONOTIC BACT DIS NEC	OCT05-
00841	STAPHYLOCOCC ENTERITIS	OCT05-	0279	ZOONOTIC BACT DIS NOS	OCT05-
00842	PSEUDOMONAS ENTERITIS	OCT05-	0320	FAUCIAL DIPHTHERIA	OCT05-
00843	INT INFEC CAMPYLOBACTER	OCT05-	0321	NASOPHARYNX DIPHTHERIA	OCT05-

Appendix P: Infection Diagnosis Codes and DRG

0322	ANT NASAL DIPHTHERIA OCT05-	04103	STREPTOCOCCUS GROUP C OCT05-
0323	LARYNGEAL DIPHTHERIA OCT05-	04104	ENTEROCOCCUS GROUP D OCT05-
03281	CONJUNCTIVAL DIPHTHERIA OCT05-	04105	STREPTOCOCCUS GROUP G OCT05-
03282	DIPHTHERITIC MYOCARDITIS OCT05-	04109	OTHER STREPTOCOCCUS OCT05-
03283	DIPHTHERITIC PERITONITIS OCT05-	04110	STAPHYLOCOCCUS UNSPCFIED OCT05-
03284	DIPHTHERITIC CYSTITIS OCT05-	04111	STAPHYLOCOCCUS AUREUS OCT05-
03285	CUTANEOUS DIPHTHERIA OCT05-	04119	OTHER STAPHYLOCOCCUS OCT05-
03289	DIPHTHERIA NEC OCT05-	0412	PNEUMOCOCCUS INFECT NOS OCT05-
0329	DIPHTHERIA NOS OCT05-	0413	KLEBSIELLA INFECT NOS OCT05-
0330	BORDETELLA PERTUSSIS OCT05-	0414	E. COLI INFECT NOS OCT05-
0331	BORDETELLA PARAPERTUSSIS OCT05-	0415	H. INFLUENZAE INFECT NOS OCT05-
0338	WHOOPING COUGH NEC OCT05-	0416	PROTEUS INFECTION NOS OCT05-
0339	WHOOPING COUGH NOS OCT05-	0417	PSEUDOMONAS INFECT NOS OCT05-
0340	STREP SORE THROAT OCT05-	04182	BACTEROIDES FRAGILIS OCT05-
0341	SCARLET FEVER OCT05-	04183	CLOSTRIDIUM PERFRINGENS OCT05-
035	ERYSIPELAS OCT05-	04184	OTHER ANAEROBES OCT05-
0360	MENINGOCOCCAL MENINGITIS OCT05-	04185	OTH GRAM NEGATV BACTERIA OCT05-
0361	MENINGOCOCC ENCEPHALITIS OCT05-	04186	HELICOBACTER PYLORI OCT05-
0362	MENINGOCOCCEMIA OCT05-	04189	OTH SPECF BACTERIA OCT05-
0363	MENINGOCOCC ADRENAL SYND OCT05-	0419	BACTERIAL INFECTION NOS OCT05-
03640	MENINGOCOCC CARDITIS NOS OCT05-	0980	ACUTE GC INFECT LOWER GU OCT05-
03641	MENINGOCOCC PERICARDITIS OCT05-	09810	GC (ACUTE) UPPER GU NOS OCT05-
03642	MENINGOCOCC ENDOCARDITIS OCT05-	09811	GC CYSTITIS (ACUTE) OCT05-
03643	MENINGOCOCC MYOCARDITIS OCT05-	09812	GC PROSTATITIS (ACUTE) OCT05-
03681	MENINGOCOCC OPTIC NEURIT OCT05-	09813	GC ORCHITIS (ACUTE) OCT05-
03682	MENINGOCOCC ARTHROPATHY OCT05-	09814	GC SEM VESICULIT (ACUTE) OCT05-
03689	MENINGOCOCCAL INFECT NEC OCT05-	09815	GC CERVICITIS (ACUTE) OCT05-
0369	MENINGOCOCCAL INFECT NOS OCT05-	09816	GC ENDOMETRITIS (ACUTE) OCT05-
037	TETANUS OCT05-	09817	ACUTE GC SALPINGITIS OCT05-
0380	STREPTOCOCCAL SEPTICEMIA OCT05-	09819	GC (ACUTE) UPPER GU NEC OCT05-
03810	STAPHYLOCOCC SEPTICEM NOS OCT05-	0982	CHR GC INFECT LOWER GU OCT05-
03811	STAPH AUREUS SEPTICEMIA OCT05-	09830	CHR GC UPPER GU NOS OCT05-
03819	STAPHYLOCOCC SEPTICEM NEC OCT05-	09831	GC CYSTITIS, CHRONIC OCT05-
0382	PNEUMOCOCCAL SEPTICEMIA OCT05-	09832	GC PROSTATITIS, CHRONIC OCT05-
0383	ANAEROBIC SEPTICEMIA OCT05-	09833	GC ORCHITIS, CHRONIC OCT05-
03840	GRAM-NEG SEPTICEMIA NOS OCT05-	09834	GC SEM VESICULITIS, CHR OCT05-
03841	H. INFLUENZAE SEPTICEMIA OCT05-	09835	GC CERVICITIS, CHRONIC OCT05-
03842	E COLI SEPTICEMIA OCT05-	09836	GC ENDOMETRITIS, CHRONIC OCT05-
03843	PSEUDOMONAS SEPTICEMIA OCT05-	09837	GC SALPINGITIS (CHRONIC) OCT05-
03844	SERRATIA SEPTICEMIA OCT05-	09839	CHR GC UPPER GU NEC OCT05-
03849	GRAM-NEG SEPTICEMIA NEC OCT05-	09840	GONOCOCCAL CONJUNCTIVIT OCT05-
0388	SEPTICEMIA NEC OCT05-	09841	GONOCOCCAL IRIDOCYCLITIS OCT05-
0389	SEPTICEMIA NOS OCT05-	09842	GONOCOCCAL ENDOPHTHALMIA OCT05-
0390	CUTANEOUS ACTINOMYCOSIS OCT05-	09843	GONOCOCCAL KERATITIS OCT05-
0391	PULMONARY ACTINOMYCOSIS OCT05-	09849	GONOCOCCAL EYE NEC OCT05-
0392	ABDOMINAL ACTINOMYCOSIS OCT05-	09850	GONOCOCCAL ARTHRITIS OCT05-
0393	CERVICOFAC ACTINOMYCOSIS OCT05-	09851	GONOCOCCAL SYNOVITIS OCT05-
0394	MADURA FOOT OCT05-	09852	GONOCOCCAL BURSITIS OCT05-
0398	ACTINOMYCOSIS NEC OCT05-	09853	GONOCOCCAL SPONDYLITIS OCT05-
0399	ACTINOMYCOSIS NOS OCT05-	09859	GC INFECT JOINT NEC OCT05-
0400	GAS GANGRENE OCT05-	0986	GONOCOCCAL INFEC PHARYNX OCT05-
0401	RHINOSCLEROMA OCT05-	0987	GC INFECT ANUS & RECTUM OCT05-
0402	WHIPPLE'S DISEASE OCT05-	09881	GONOCOCCAL KERATOSIS OCT05-
0403	NECROBACILLOSIS OCT05-	09882	GONOCOCCAL MENINGITIS OCT05-
04041	INFANT BOTULISM	09883	GONOCOCCAL PERICARDITIS OCT05-
04042	WOUND BOTULISM	09884	GONOCOCCAL ENDOCARDITIS OCT05-
04081	TROPICAL PYOMYOSITIS OCT05-	09885	GONOCOCCAL HEART DIS NEC OCT05-
04082	TOXIC SHOCK SYNDROME OCT05-	09886	GONOCOCCAL PERITONITIS OCT05-
04089	BACTERIAL DISEASES NEC OCT05-	09889	GONOCOCCAL INF SITE NEC OCT05-
04100	STREPTOCOCCUS UNSPCF OCT05-	3200	HEMOPHILUS MENINGITIS OCT05-
04101	STREPTOCOCCUS GROUP A OCT05-	3201	PNEUMOCOCCAL MENINGITIS OCT05-
04102	STREPTOCOCCUS GROUP B OCT05-	3202	STREPTOCOCCAL MENINGITIS OCT05-

Appendix P: Infection Diagnosis Codes and DRG

3203	STAPHYLOCOCC MENINGITIS OCT05-	4200	AC PERICARDIT IN OTH DIS OCT05-
3207	MENING IN OTH BACT DIS OCT05-	42090	ACUTE PERICARDITIS NOS OCT05-
32081	ANAEROBIC MENINGITIS OCT05-	42099	ACUTE PERICARDITIS NEC OCT05-
32082	MNINGTS GRAM-NEG BCT NEC OCT05-	4210	AC/SUBAC BACT ENDOCARD OCT05-
32089	MENINGITIS OTH SPCF BACT OCT05-	4211	AC/SUBAC INFECT ENDOCARD OCT05-
3209	BACTERIAL MENINGITIS NOS OCT05-	4219	AC/SUBAC ENDOCARDIT NOS OCT05-
3229	MENINGITIS NOS OCT05-	42292	SEPTIC MYOCARDITIS OCT05-
3240	INTRACRANIAL ABSCESS OCT05-	4610	AC MAXILLARY SINUSITIS OCT05-
3241	INTRASPINAL ABSCESS OCT05-	4611	AC FRONTAL SINUSITIS OCT05-
3249	CNS ABSCESS NOS OCT05-	4612	AC ETHMOIDAL SINUSITIS OCT05-
36000	PURULENT ENDOPHTHALM NOS OCT05-	4613	AC SPHENOIDAL SINUSITIS OCT05-
36001	ACUTE ENDOPHTHALMITIS OCT05-	4618	OTHER ACUTE SINUSITIS OCT05-
36002	PANOPHTHALMITIS OCT05-	4619	ACUTE SINUSITIS NOS OCT05-
36004	VITREOUS ABSCESS OCT05-	462	ACUTE PHARYNGITIS OCT05-
37055	CORNEAL ABSCESS OCT05-	463	ACUTE TONSILLITIS OCT05-
37200	ACUTE CONJUNCTIVITIS NOS OCT05-	46430	AC EPIGLOTTITIS NO OBSTR OCT05-
37203	MUCOPUR CONJUNCTIVIT NEC OCT05-	46431	AC EPIGLOTTITIS W OBSTR OCT05-
37204	PSEUDOMEMB CONJUNCTIVIT OCT05-	4660	ACUTE BRONCHITIS OCT05-
37220	BLEPHAROCONJUNCTIVIT NOS OCT05-	475	PERITONSILLAR ABSCESS OCT05-
37221	ANGULAR BLEPHAROCONJUNCT OCT05-	47822	PARAPHARYNGEAL ABSCESS OCT05-
37230	CONJUNCTIVITIS NOS OCT05-	47824	RETROPHARYNGEAL ABSCESS OCT05-
37300	BLEPHARITIS NOS OCT05-	481	PNEUMOCOCCAL PNEUMONIA OCT05-
37301	ULCERATIVE BLEPHARITIS OCT05-	4820	K. PNEUMONIAE PNEUMONIA OCT05-
37311	HORDEOLUM EXTERNUM OCT05-	4821	PSEUDOMONAL PNEUMONIA OCT05-
37312	HORDEOLUM INTERNUM OCT05-	4822	H.INFLUENZAE PNEUMONIA OCT05-
37313	ABSCESS OF EYELID OCT05-	48230	STREPTOCOCCAL PNEUMN NOS OCT05-
37500	DACRYOADENITIS NOS OCT05-	48231	PNEUMONIA STRPTOCOCCUS A OCT05-
37501	ACUTE DACRYOADENITIS OCT05-	48232	PNEUMONIA STRPTOCOCCUS B OCT05-
37530	DACRYOCYSTITIS NOS OCT05-	48239	PNEUMONIA OTH STREP OCT05-
37531	ACUTE CANALICULITIS OCT05-	48240	STAPHYLOCOCCAL PNEU NOS OCT05-
37532	ACUTE DACRYOCYSTITIS OCT05-	48241	STAPH AUREUS PNEUMONIA OCT05-
37600	ACUTE INFLAM NOS, ORBIT OCT05-	48249	STAPH PNEUMONIA NEC OCT05-
37601	ORBITAL CELLULITIS OCT05-	48281	PNEUMONIA ANAEROBES OCT05-
37602	ORBITAL PERIOSTITIS OCT05-	48282	PNEUMONIA E COLI OCT05-
37603	ORBITAL OSTEOMYELITIS OCT05-	48283	PNEUMO OTH GRM-NEG BACT OCT05-
37604	TENONITIS OCT05-	48284	LEGIONNAIRES' DISEASE OCT05-
38010	INFEC OTITIS EXTERNA NOS OCT05-	48289	PNEUMONIA OTH SPCF BACT OCT05-
38011	ACUTE INFECTION OF PINNA OCT05-	4829	BACTERIAL PNEUMONIA NOS OCT05-
38012	ACUTE SWIMMERS' EAR OCT05-	4843	PNEUMONIA IN WHOOPING COUGH OCT05-
38013	AC INFECT EXTERN EAR NEC OCT05-	4845	PNEUMONIA IN ANTHRAX OCT05-
38014	MALIGNANT OTITIS EXTERNA OCT05-	4848	PNEUMONIA IN OTHER INF DIS OCT05-
38150	EUSTACHIAN SALPING NOS OCT05-	485	BRONCHOPNEUMONIA ORG NOS OCT05-
38151	AC EUSTACHIAN SALPING OCT05-	486	PNEUMONIA, ORGANISM NOS OCT05-
38200	AC SUPP OTITIS MEDIA NOS OCT05-	490	BRONCHITIS NOS OCT05-
38201	AC SUPP OM W DRUM RUPT OCT05-	49122	OBS CHR BRONC W AC BRONC OCT05-
38202	AC SUPP OM IN OTH DIS OCT05-	4941	BRONCHIECTASIS W AC EXAC OCT05-
3821	CHR TUBOTYMP SUPP OTITIS MEDIA OCT05-	5100	EMPHYEMA WITH FISTULA OCT05-
3822	CHR ATTICOANTRAL SUPP OTITIS MEDIA OCT05-	5109	EMPHYEMA W/O FISTULA OCT05-
3823	CHR SUPP OTITIS MEDIA NOS OCT05-	5111	BACT PLEUR/EFFUS NOT TB OCT05-
3824	SUPPUR OTITIS MEDIA NOS OCT05-	5130	ABSCESS OF LUNG OCT05-
3829	OTITIS MEDIA NOS OCT05-	5131	ABSCESS OF MEDIASTINUM OCT05-
38300	AC MASTOIDITIS W/O COMPL OCT05-	51901	TRACHEOSTOMY INFECTION OCT05-
38301	SUBPERI MASTOID ABSCESS OCT05-	5192	MEDIASTINITIS OCT05-
38302	AC MASTOIDITIS-COMPL NEC OCT05-	5220	PULPITIS OCT05-
38320	PETROSITIS NOS OCT05-	5225	PERIAPICAL ABSCESS OCT05-
38321	ACUTE PETROSITIS OCT05-	5227	PERIAPICAL ABSC W SINUS OCT05-
38400	ACUTE MYRINGITIS NOS OCT05-	5230	ACUTE GINGIVITIS OCT05-
38630	LABYRINTHITIS NOS OCT05-	52300	ACUTE GINGITITIS, PLAQUE OCT06-
38631	SEROUS LABYRINTHITIS OCT05-	52301	AC GINGIVITIS, NONPLAQUE OCT06-
38632	CIRCUMSCRI LABYRINTHITIS OCT05-	5233	ACUTE PERIODONTITIS OCT05-
38633	SUPPURATIV LABYRINTHITIS OCT05-	52330	AGGRES PERIODONTITIS NOS OCT06-
		52331	AGGRES PERIODONTITIS, LOC OCT06-

Appendix P: Infection Diagnosis Codes and DRG

52332	AGGRES PERIODONTITIS,GEN OCT06-	59800	URETHR STRICT:INFECT NOS OCT05-
52333	ACUTE PERIODONTITIS OCT06-	59801	URETH STRICT:OTH INFECT OCT05-
5264	INFLAMMATION OF JAW OCT05-	5990	URIN TRACT INFECTION NOS OCT05-
5273	SALIVARY GLAND ABSCESS OCT05-	6010	ACUTE PROSTATITIS OCT05-
5283	CELLULITIS/ABSCESS MOUTH OCT05-	6012	ABSCESS OF PROSTATE OCT05-
53641	GASTROSTOMY INFECTION OCT05-	6013	PROSTATOCYSTITIS OCT05-
5400	AC APPEND W PERITONITIS	6014	PROSTATITIS IN OTH DIS OCT05-
5401	ABSCESS OF APPENDIX	6018	PROSTATITIS OCT05-
5409	ACUTE APPENDICITIS NOS	6019	PROSTATITIS NOS OCT05-
541	APPENDICITIS NOS	6031	INFECTED HYDROCELE OCT05-
542	OTHER APPENDICITIS	6040	ORCHITIS WITH ABSCESS OCT05-
56201	DVRTCLI SML INT W/O HMRG	60490	ORCHITIS/EPIDIDYMIT NOS OCT05-
56203	DVRTCLI SML INT W HMRHG	60491	ORCHITIS IN OTH DISEASE OCT05-
56211	DVRTCLI COLON W/O HMRHG	6071	BALANOPOSTHITIS OCT05-
56213	DVRTCLI COLON W HMRHG	6072	INFLAM DIS, PENIS NEC OCT05-
566	ANAL & RECTAL ABSCESS	6080	SEMINAL VESICULITIS OCT05-
5670	PERITONITIS IN INFEC DIS	6084	MALE GEN INFLAM DIS NEC OCT05-
5671	PNEUMOCOCCAL PERITONITIS	6110	INFLAM DISEASE OF BREAST OCT05-
5672	SUPPURAT PERITONITIS NEC	6140	AC SALPINGO-OOPHORITIS OCT05-
56721	PERITONITIS (ACUTE) GEN OCT05-	6141	CHRON SALPINGITIS OOPHORITIS OCT05-
56722	PERITONEAL ABSCESS OCT05-	6142	SALPINGO-OOPHORITIS NOS OCT05-
56723	SPONTAN BACT PERITONITIS OCT05-	6143	ACUTE PARAMETRITIS OCT05-
56729	SUPPURAT PERITONITIS NEC OCT05-	6144	CHRON OR UNSP CELLULITIS OCT05-
56731	PSOAS MUSCLE ABSCESS OCT05-	6145	AC PELV PERITONITIS-FEM OCT05-
56738	RETROPERITON ABSCESS NEC OCT05-	6149	PID NOS OCT05-
56739	RETROPERITON INFECT NEC OCT05-	6150	AC UTERINE INFLAMMATION OCT05-
56781	CHOLEPERITONITIS OCT05-	6159	UTERINE INFLAM DIS NOS OCT05-
56782	SCLEROSING MESENTERITIS OCT05-	6160	CERVICITIS OCT05-
56789	PERITONITIS NEC OCT05-	61610	VAGINITIS NOS OCT05-
5679	PERITONITIS NOS	6163	BARTHOLIN'S GLND ABSCESS OCT05-
5695	INTESTINAL ABSCESS	6164	ABSCESS OF VULVA NEC OCT05-
56961	COLOSTY/ENTEROST INFECTN	63400	SPON ABOR W PELV INF-UNSP OCT05-
5720	ABSCESS OF LIVER	63401	SPON ABOR W PELV INF-INC OCT05-
5721	PORTAL PYEMIA	63402	SPON ABOR W PELV INF-COMP OCT05-
57400	CHOLELITH W AC CHOLECYST	63500	LEG ABOR W PELV INF-UNSP OCT05-
57401	CHOLELITH/AC GB INF-OBST	63501	LEG ABOR W PELV INF-INC OCT05-
57430	CHOLEDOCHOLITH/AC GB INF	63502	LEG ABOR W PELV INF-COMP OCT05-
57431	CHOLEDOCHLITH/AC GB-OBST	63600	ILLEG AB W PELV INF-UNSP OCT05-
57460	GALL&BIL CAL W/AC W/O OB	63601	ILLEG AB W PELV INF-INC OCT05-
57461	GALL&BIL CAL W/AC W OBS	63602	ILLEG AB W PELV INF-COMP OCT05-
57480	GAL&BIL CAL W/AC&CHR W/O	63700	ABORT NOS W PELV INF-UNSP OCT05-
57481	GAL&BIL CAL W/AC&CH W OB	63701	ABORT NOS W PELV INF-INC OCT05-
5750	ACUTE CHOLECYSTITIS	63702	ABORT NOS W PELV INF-COMP OCT05-
57510	CHOLECYSTITIS UNSPEC OCT05-	6380	ATTEM ABORT W PELVIC INF OCT05-
57512	AC&CHRON CHOLECYSTITIS OCT05-	6390	POSTABORTION GU INFECT OCT05-
5754	PERFORATION GALLBLADDER	64650	BACTERIURIA PREG-UNSPEC OCT05-
5761	CHOLANGITIS	64651	ASYM BACTERIURIA-DELIVER OCT05-
5763	PERFORATION OF BILE DUCT	64652	ASY BACTERIURIA-DEL W P/P OCT05-
5770	ACUTE PANCREATITIS OCT05-	64653	ASY BACTERIURIA-ANTEPART OCT05-
59010	AC PYELONEPHRITIS NOS OCT05-	64654	ASY BACTERIURIA-POSTPART OCT05-
59011	AC PYELONEPHR W MED NECR OCT05-	64660	GU INFECT IN PREG-UNSPEC OCT05-
5902	RENAL/PERIRENAL ABSCESS OCT05-	64661	GU INFECTION-DELIVERED OCT05-
5903	PYELOURETERITIS CYSTICA OCT05-	64662	GU INFECTION-DELIV W P/P OCT05-
59080	PYELONEPHRITIS NOS OCT05-	64663	GU INFECTION-ANTEPARTUM OCT05-
59081	PYELONEPHRIT IN OTH DIS OCT05-	64664	GU INFECTION-POSTPARTUM OCT05-
5909	INFECTION OF KIDNEY NOS OCT05-	64710	GONORRHEA IN PREG-UNSPEC OCT05-
5950	ACUTE CYSTITIS OCT05-	64711	GONORRHEA-DELIVERED OCT05-
5954	CYSTITIS IN OTH DIS OCT05-	64712	GONORRHEA-DELIVER W P/P OCT05-
59581	CYSTITIS CYSTICA OCT05-	64713	GONORRHEA-ANTEPARTUM OCT05-
59589	CYSTITIS NEC OCT05-	64714	GONORRHEA-POSTPARTUM OCT05-
5959	CYSTITIS NOS OCT05-	64780	INF DIS IN PREG NEC-UNSP OCT05-
5970	URETHRAL ABSCESS OCT05-	64781	INFECT DIS NEC-DELIVERED OCT05-

Appendix P: Infection Diagnosis Codes and DRG

64782	INFECT DIS NEC-DEL W P/P OCT05-	68600	PYODERMA NOS OCT05-
64783	INFECT DIS NEC-ANTEPART OCT05-	68601	PYODERMA GANGRENOSUM OCT05-
64784	INFECT DIS NEC-POSTPART OCT05-	68609	PYODERMA OTHER OCT05-
64790	INFECT IN PREG NOS-UNSP OCT05-	6868	LOCAL SKIN INFECTION NEC OCT05-
64791	INFECT NOS-DELIVERED OCT05-	6869	LOCAL SKIN INFECTION NOS OCT05-
64792	INFECT NOS-DELIVER W P/P OCT05-	69581	RITTER'S DISEASE OCT05-
64793	INFECT NOS-ANTEPARTUM OCT05-	70700	DECUBITUS ULCER SITE NOS OCT05-
64794	INFECT NOS-POSTPARTUM OCT05-	70701	DECUBITUS ULCER,ELBOW OCT05-
65840	AMNIOTIC INFECTION-UNSP OCT05-	70702	DECUBITUS ULCER,UP BACK OCT05-
65841	AMNIOTIC INFECTION-DELIV OCT05-	70703	DECUBITUS ULCER,LOW BACK OCT05-
65843	AMNIOTIC INFECT-ANTEPART OCT05-	70704	DECUBITUS ULCER,HIP OCT05-
67000	MAJOR PUERP INFECT-UNSP OCT05-	70705	DECUBITUS ULCER,BUTTOCK OCT05-
67002	MAJOR PUERP INF-DEL P/P OCT05-	70706	DECUBITUS ULCER,ANKLE OCT05-
67004	MAJOR PUERP INF-POSTPART OCT05-	70707	DECUBITUS ULCER,HEEL OCT05-
67500	INFECT NIPPLE PREG-UNSP OCT05-	70709	DECUBITUS ULCER,SITE NEC OCT05-
67501	INFECT NIPPLE-DELIVERED OCT05-	71100	PYOGEN ARTHRITIS-UNSPEC OCT05-
67502	INFECT NIPPLE-DEL W P/P OCT05-	71101	PYOGEN ARTHRITIS-SHLDER OCT05-
67503	INFECT NIPPLE-ANTEPARTUM OCT05-	71102	PYOGEN ARTHRITIS-UP/ARM OCT05-
67504	INFECT NIPPLE-POSTPARTUM OCT05-	71103	PYOGEN ARTHRITIS-FOREARM OCT05-
67510	BREAST ABSCESS PREG-UNSP OCT05-	71104	PYOGEN ARTHRITIS-HAND OCT05-
67511	BREAST ABSCESS-DELIVERED OCT05-	71105	PYOGEN ARTHRITIS-PELVIS OCT05-
67512	BREAST ABSCESS-DEL W P/P OCT05-	71106	PYOGEN ARTHRITIS-L/LEG OCT05-
67513	BREAST ABSCESS-ANTEPART OCT05-	71107	PYOGEN ARTHRITIS-ANKLE OCT05-
67514	BREAST ABSCESS-POSTPART OCT05-	71108	PYOGEN ARTHRITIS NEC OCT05-
67580	BREAST INF PREG NEC-UNSP OCT05-	71109	PYOGEN ARTHRITIS-MULT OCT05-
67581	BREAST INFECT NEC-DELIV OCT05-	71190	INF ARTHRITIS NOS-UNSPEC OCT05-
67582	BREAST INF NEC-DEL W P/P OCT05-	71191	INF ARTHRITIS NOS-SHLDER OCT05-
67583	BREAST INF NEC-ANTEPART OCT05-	71192	INF ARTHRITIS NOS-UP/ARM OCT05-
67584	BREAST INF NEC-POSTPART OCT05-	71193	INF ARTHRIT NOS-FOREARM OCT05-
67590	BREAST INF PREG NOS-UNSP OCT05-	71194	INF ARTHRIT NOS-HAND OCT05-
67591	BREAST INFECT NOS-DELIV OCT05-	71195	INF ARTHRIT NOS-PELVIS OCT05-
67592	BREAST INF NOS-DEL W P/P OCT05-	71196	INF ARTHRIT NOS-L/LEG OCT05-
67593	BREAST INF NOS-ANTEPART OCT05-	71197	INF ARTHRIT NOS-ANKLE OCT05-
67594	BREAST INF NOS-POSTPART OCT05-	71198	INF ARTHRIT NOS-OTH SITE OCT05-
6800	CARBUNCLE OF FACE OCT05-	71199	INF ARTHRITIS NOS-MULT OCT05-
6801	CARBUNCLE OF NECK OCT05-	7280	INFECTIVE MYOSITIS OCT05-
6802	CARBUNCLE OF TRUNK OCT05-	72886	NECROTIZING FASCIITIS OCT05-
6803	CARBUNCLE OF ARM OCT05-	73000	AC OSTEOMYELITIS-UNSPEC OCT05-
6804	CARBUNCLE OF HAND OCT05-	73001	AC OSTEOMYELITIS-SHLDER OCT05-
6805	CARBUNCLE OF BUTTOCK OCT05-	73002	AC OSTEOMYELITIS-UP/ARM OCT05-
6806	CARBUNCLE OF LEG OCT05-	73003	AC OSTEOMYELITIS-FOREARM OCT05-
6807	CARBUNCLE OF FOOT OCT05-	73004	AC OSTEOMYELITIS-HAND OCT05-
6808	CARBUNCLE, SITE NEC OCT05-	73005	AC OSTEOMYELITIS-PELVIS OCT05-
6809	CARBUNCLE NOS OCT05-	73006	AC OSTEOMYELITIS-L/LEG OCT05-
68100	CELLULITIS, FINGER NOS OCT05-	73007	AC OSTEOMYELITIS-ANKLE OCT05-
68101	FELON OCT05-	73008	AC OSTEOMYELITIS NEC OCT05-
68102	ONYCHIA OF FINGER OCT05-	73009	AC OSTEOMYELITIS-MULT OCT05-
68110	CELLULITIS, TOE NOS OCT05-	73010	CHR OSTEOMYELITIS-UNSP OCT05-
68111	ONYCHIA OF TOE OCT05-	73011	CHR OSTEOMYELIT-SHLDER OCT05-
6819	CELLULITIS OF DIGIT NOS OCT05-	73012	CHR OSTEOMYELIT-UP/ARM OCT05-
6820	CELLULITIS OF FACE OCT05-	73013	CHR OSTEOMYELIT-FOREARM OCT05-
6821	CELLULITIS OF NECK OCT05-	73014	CHR OSTEOMYELIT-HAND OCT05-
6822	CELLULITIS OF TRUNK OCT05-	73015	CHR OSTEOMYELIT-PELVIS OCT05-
6823	CELLULITIS OF ARM OCT05-	73016	CHR OSTEOMYELIT-L/LEG OCT05-
6824	CELLULITIS OF HAND OCT05-	73017	CHR OSTEOMYELIT-ANKLE OCT05-
6825	CELLULITIS OF BUTTOCK OCT05-	73018	CHR OSTEOMYELIT NEC OCT05-
6826	CELLULITIS OF LEG OCT05-	73019	CHR OSTEOMYELIT-MULT OCT05-
6827	CELLULITIS OF FOOT OCT05-	73020	OSTEOMYELITIS NOS-UNSPEC OCT05-
6828	CELLULITIS, SITE NEC OCT05-	73021	OSTEOMYELITIS NOS-SHLDER OCT05-
6829	CRLLULITIS, SITE NOS OCT05-	73022	OSTEOMYELITIS NOS-UP/ARM OCT05-
683	ACUTE LYMPHADENITIS OCT05-	73023	OSTEOMYELIT NOS-FOREARM OCT05-
684	IMPETIGO OCT05-	73024	OSTEOMYELITIS NOS-HAND OCT05-

Appendix P: Infection Diagnosis Codes and DRG

73025	OSTEOMYELITIS NOS-PELVIS OCT05-	9125	INSECT BITE SHLD/ARM-INF OCT05-
73026	OSTEOMYELITIS NOS-L/LEG OCT05-	9127	FB SHOULDER/ARM-INFECT OCT05-
73027	OSTEOMYELITIS NOS-ANKLE OCT05-	9129	SUPERF INJ SHLDR NEC-INF OCT05-
73028	OSTEOMYELITIS NOS-OTH SITE OCT05-	9131	ABRASION FOREARM-INFECT OCT05-
73029	OSTEOMYELITIS NOS-MULT OCT05-	9133	BLISTER FOREARM-INFECTED OCT05-
73030	PERIOSTITIS-UNSPEC OCT05-	9135	INSECT BITE FOREARM-INF OCT05-
73031	PERIOSTITIS-SHLDER OCT05-	9137	FOREIGN BODY FOREARM-INF OCT05-
73032	PERIOSTITIS-UP/ARM OCT05-	9139	SUPRF INJ FORARM NEC-INF OCT05-
73033	PERIOSTITIS-FOREARM OCT05-	9141	ABRASION HAND-INFECTED OCT05-
73034	PERIOSTITIS-HAND OCT05-	9143	BLISTER HAND-INFECTED OCT05-
73035	PERIOSTITIS-PELVIS OCT05-	9145	INSECT BITE HAND-INFECT OCT05-
73036	PERIOSTITIS-L/LEG OCT05-	9147	FOREIGN BODY HAND-INFECT OCT05-
73037	PERIOSTITIS-ANKLE OCT05-	9149	SUPERF INJ HAND NEC-INF OCT05-
73038	PERIOSTITIS NEC OCT05-	9151	ABRASION FINGER-INFECTED OCT05-
73039	PERIOSTITIS-MULT OCT05-	9153	BLISTER FINGER-INFECTED OCT05-
73080	BONE INFECT NEC-UNSPEC OCT05-	9155	INSECT BITE FINGER-INFEC OCT05-
73081	BONE INFECT NEC-SHLDER OCT05-	9157	FOREIGN BODY FINGER-INF OCT05-
73082	BONE INFECT NEC-UP/ARM OCT05-	9159	SUPRF INJ FINGER NEC-INF OCT05-
73083	BONE INFECT NEC-FOREARM OCT05-	9161	ABRASION HIP/LEG-INFECT OCT05-
73084	BONE INFECT NEC-HAND OCT05-	9163	BLISTER HIP & LEG-INFECT OCT05-
73085	BONE INFECT NEC-PELVIS OCT05-	9165	INSECT BITE HIP/LEG-INF OCT05-
73086	BONE INFECT NEC-L/LEG OCT05-	9167	FOREIGN BDY HIP/LEG-INF OCT05-
73087	BONE INFECT NEC-ANKLE OCT05-	9169	SUPERF INJ LEG NEC-INFEC OCT05-
73088	BONE INFECT NEC-OTH SITE OCT05-	9171	ABRASION FOOT/TOE-INFEC OCT05-
73089	BONE INFECT NEC-MULT OCT05-	9173	BLISTER FOOT & TOE-INFEC OCT05-
73090	BONE INFEC NOS-UNSP SITE OCT05-	9175	INSECT BITE FOOT/TOE-INF OCT05-
73091	BONE INFECT NOS-SHLDER OCT05-	9177	FOREIGN BDY FOOT/TOE-INF OCT05-
73092	BONE INFECT NOS-UP/ARM OCT05-	9179	SUPERF INJ FOOT NEC-INF OCT05-
73093	BONE INFECT NOS-FOREARM OCT05-	9191	ABRASION NEC-INFECTED OCT05-
73094	BONE INFECT NOS-HAND OCT05-	9193	BLISTER NEC-INFECTED OCT05-
73095	BONE INFECT NOS-PELVIS OCT05-	9195	INSECT BITE NEC-INFECTED OCT05-
73096	BONE INFECT NOS-L/LEG OCT05-	9197	SUPERFICIAL FB NEC-INFEC OCT05-
73097	BONE INFECT NOS-ANKLE OCT05-	9199	SUPERFIC INJ NEC-INFECT OCT05-
73098	BONE INFECT NOS-OTH SITE OCT05-	99590	SIRS, NOS OCT05-
73099	BONE INFECT NOS-MULT OCT05-	99591	SIRS-INFECT W/O ORG DYSF OCT05-
7713	TETANUS NEONATORUM OCT05-	99592	SIRS-INFECT W ORGAN DYSF OCT05-
7714	OMPHALITIS OF NEWBORN OCT05-	99660	INFECT INFLAMM DEVICE IMPLANT GRAFT NOS OCT05-
7715	NEONATAL INFEC MASTITIS OCT05-	99661	INFECT INFLAMM CARDIAC DEVICE IMPLANT GRAFT OCT05-
77181	NB SEPTICEMIA SEPSIS OCT05-	99662	INFECT INFLAMM VASCULAR DEVICE IMPLANT GRAFT OCT05-
77182	NB URINARY TRACT INFECTN OCT05-	99663	INFECT INFLAMM NERV DEVICE IMPLANT GRAFT OCT05-
77183	BACTEREMIA OF NEWBORN OCT05-	99664	INFECT INFLAMM URINARY CATH OCT05-
77189	PERINATAL INFECTION NEC OCT05-	99665	INFECT INFLAMM GU DEVICE IMPLANT GRAFT OCT05-
7775	NECROT ENTEROCOLITIS NB OCT05-	99666	INFECT INFLAMM JOINT PROSTH OCT05-
7854	GANGRENE OCT05-	99667	INFECT INFLAMM OTH ORTHOP DEVICE IMPLANT GRAFT NOS OCT05-
78552	SEPTIC SHOCK OCT05-	99669	INFECT INFLAMM OTH DEVICE IMPLANT GRAFT OCT05-
7907	BACTEREMIA OCT05-	99762	INFECTION AMPUTAT STUMP OCT05-
9101	ABRASION HEAD-INFECTED OCT05-	99851	INFECTED POSTOP SEROMA OCT05-
9103	BLISTER HEAD-INFECTED OCT05-	99859	OTHER POSTOP INFECTION OCT05-
9105	INSECT BITE HEAD-INFECT OCT05-	9993	INFEC COMPL MED CARE NEC OCT05-
9107	FOREIGN BODY HEAD-INFECT OCT05-		
9109	SUPERF INJ HEAD NEC-INF OCT05-		
9111	ABRASION TRUNK-INFECTED OCT05-		
9113	BLISTER TRUNK-INFECTED OCT05-		
9115	INSECT BITE TRUNK-INFEC OCT05-		
9117	FOREIGN BODY TRUNK-INFEC OCT05-		
9119	SUPERF INJ TRNK NEC-INF OCT05-		
9121	ABRASION SHLDR/ARM-INFEC OCT05-		
9123	BLISTER SHOULDER/ARM-INF OCT05-		



## Appendix P: Infection Diagnosis Codes and DRG

### *Infection DRGs:*

020 NERVOUS SYSTEM INFECTION EXCEPT VIRAL MENINGITIS  
068 OTITIS MEDIA AND URI, AGE GREATER THAN 17 W/ CC  
069 OTITIS MEDIA AND URI, AGE GREATER THAN 17 W/O CC  
070 OTITIS MEDIA AND URI, AGE LESS THAN OR EQUAL TO 17  
079 RESPIRATORY INFECTIONS AND INFLAMMATIONS, AGE GREATER THAN 17 W/ CC  
080 RESPIRATORY INFECTIONS AND INFLAMMATIONS, AGE GREATER THAN 17 W/O CC  
081 RESPIRATORY INFECTIONS AND INFLAMMATIONS, AGE 0-17  
089 SIMPLE PNEUMONIA AND PLEURISY, AGE GREATER THAN 17 W/ CC  
090 SIMPLE PNEUMONIA AND PLEURISY, AGE GREATER THAN 17 W/O CC  
091 SIMPLE PNEUMONIA AND PLEURISY, AGE LESS THAN OR EQUAL TO 17  
126 ACUTE AND SUBACUTE ENDOCARDITIS  
238 OSTEOMYELITIS  
242 SEPTIC ARTHRITIS  
277 CELLULITIS, AGE GREATER THAN 17 W/ CC  
278 CELLULITIS, AGE GREATER THAN 17 W/O CC  
279 CELLULITIS, AGE 0-17  
320 KIDNEY AND URINARY TRACT INFECTIONS, AGE GREATER THAN 17 W/ CC  
321 KIDNEY AND URINARY TRACT INFECTIONS, AGE GREATER THAN 17 W/O CC  
322 KIDNEY AND URINARY TRACT INFECTIONS, AGE 0-17  
368 INFECTIONS OF FEMALE REPRODUCTIVE SYSTEM  
415 OR PROCEDURE FOR INFECTIOUS AND PARASITIC DISEASES  
416 SEPTICEMIA, AGE GREATER THAN 17  
417 SEPTICEMIA, AGE 0-17  
423 OTHER INFECTIOUS AND PARASITIC DISEASES DIAGNOSES  
560 BACTERIAL AND TB INFECTIONS OF NERVOUS SYSTEM OCT06-  
561 NON-BACTERIAL INFECTIONS OF NERVOUS SYSTEM EXCEPT VIRAL MENINGITIS OCT06-  
575 SEPTICEMIA W MV96+ HOURS AGE >17 OCT06  
576 SEPTICEMIA W/O MV96+ HOURS AGE >17 OCT06  
578 INFECTIOUS AND PARASITIC DISEASES WITH OR PROCEDURE OCT06-  
579 POSTOPERATIVE OR POST-TRAUMATIC INFECTION WITH OR PROCEDURE OCT06-

## Appendix Q: Cancer DRGs

These codes are used by the following PSIs:

PSI	How Used
<a href="#">Selected Infections Due to Medical Care, Secondary Diagnosis Field (PSI 7 and 23) - Page 22</a>	<a href="#">Denominator exclusion</a> - Page 22
<a href="#">Postoperative Sepsis (PSI 13) - Page 32</a>	<a href="#">Denominator exclusion</a> - Page 32

In the table above, control-click (Word) or click (PDF) the **PSI** name to go to the start of that detailed definition. Click the link in the **How Used** column to go to where the cancer DRGs are referenced within the PSI detailed definition.

010	NERVOUS SYSTEM NEOPLASMS W/ CC	363	D AND C, CONIZATION AND RADIOIMPLANT FOR MALIGNANCY
011	NERVOUS SYSTEM NEOPLASMS W/O CC		
064	EAR, NOSE, MOUTH AND THROAT MALIGNANCY	367	MALIGNANCY OF FEMALE REPRODUCTIVE SYSTEM W/O CC
082	RESPIRATORY NEOPLASMS	400*	LYMPHOMA AND LEUKEMIA W/ MAJOR OR PROCEDURES
172	DIGESTIVE MALIGNANCY W/ CC		
173	DIGESTIVE MALIGNANCY W/O CC	401	LYMPHOMA AND NONACUTE LEUKEMIA W/ OTHER OR PROCEDURE W/ CC
199	HEPATOBIILIARY DIAGNOSTIC PROCEDURE FOR MALIGNANCY	402	LYMPHOMA AND NONACUTE LEUKEMIA W/ OTHER OR PROCEDURE W/O CC
203	MALIGNANCY OF HEPATOBIILIARY SYSTEM OR PANCREAS	403	LYMPHOMA AND NONACUTE LEUKEMIA W/ CC
239	PATHOLOGICAL FRACTURES AND MUSCULOSKELETAL AND CONNECTIVE TISSUE MALIGNANCY	404	LYMPHOMA AND NONACUTE LEUKEMIA W/O CC
257	TOTAL MASTECTOMY FOR MALIGNANCY W/ CC	405	ACUTE LEUKEMIA W/O MAJOR OR PROCEDURE, AGE 0-17
258	TOTAL MASTECTOMY FOR MALIGNANCY W/O CC	406	MYELOPROLIFERATIVE DISORDERS OR POORLY DIFFERENTIATED NEOPLASMS W/ MAJOR OR PROCEDURES W/ CC
259	SUBTOTAL MASTECTOMY FOR MALIGNANCY W/ CC	407	MYELOPROLIFERATIVE DISORDERS OR POORLY DIFFERENTIATED NEOPLASMS W/ MAJOR OR PROCEDURE W/O CC
260	SUBTOTAL MASTECTOMY FOR MALIGNANCY W/O CC	408	MYELOPROLIFERATIVE DISORDERS OR POORLY DIFFERENTIATED NEOPLASMS W/ OTHER OR PROCEDURES
274	MALIGNANT BREAST DISORDERS W/ CC		
275	MALIGNANT BREAST DISORDERS W/O CC		
303	KIDNEY, URETER AND MAJOR BLADDER PROCEDURES FOR NEOPLASM	409	RADIOTHERAPY
318	KIDNEY AND URINARY TRACT NEOPLASMS W/ CC	410	CHEMOTHERAPY W/O ACUTE LEUKEMIA AS SECONDARY DIAGNOSIS
319	KIDNEY AND URINARY TRACT NEOPLASMS W/O CC	411	HISTORY OF MALIGNANCY W/O ENDOSCOPY
338	TESTES PROCEDURES FOR MALIGNANCY	412	HISTORY OF MALIGNANCY W/ ENDOSCOPY
344	OTHER MALE REPRODUCTIVE SYSTEM OR PROCEDURES FOR MALIGNANCY	413	OTHER MYELOPROLIFERATIVE DISORDERS OR POORLY DIFFERENTIATED NEOPLASM DIAGNOSES W/ CC
346	MALIGNANCY OF MALE REPRODUCTIVE SYSTEM W/ CC	414	OTHER MYELOPROLIFERATIVE DISORDERS OR POORLY DIFFERENTIATED NEOPLASM DIAGNOSES W/O CC
347	MALIGNANCY OF MALE REPRODUCTIVE SYSTEM W/O CC	473	ACUTE LEUKEMIA W/O MAJOR OR PROCEDURE, AGE GREATER THAN 17
354	UTERINE AND ADNEXA PROCEDURES FOR NONOVARIAN/ADNEXAL MALIGNANCY W/ CC	492	CHEMOTHERAPY W/ ACUTE LEUKEMIA AS SECONDARY DIAGNOSIS
355	UTERINE AND ADNEXA PROCEDURES FOR NONOVARIAN/ADNEXAL MALIGNANCY W/O CC	539	LYMPHOMA & LEUKEMIA W MAJOR OR PROCEDURE W/ CC OCT03-
357	UTERINE AND ADNEXA PROCEDURES FOR OVARIAN OR ADNEXAL MALIGNANCY	540	LYMPHOMA & LEUKEMIA W MAJOR OR PROCEDURE W/O CC OCT03-

## Appendix R: Links

The following links may be helpful to users of the AHRQ Patient Safety Indicators.

### Patient Safety Indicators Version 3.2 Documents and Software

Available at [http://www.qualityindicators.ahrq.gov/psi\\_download.htm](http://www.qualityindicators.ahrq.gov/psi_download.htm)

<b>Title</b>	<b>Description</b>
<i>Guide to Patient Safety Indicators</i>	Describes how the PSIs were developed and provides detailed evidence for each indicator.
<i>Patient Safety Indicators Technical Specifications</i>	Provides detailed definitions of each PSI, including all ICD-9-CM and DRG codes that are included in or excluded from the numerator and denominator. Note that exclusions from the denominator are automatically applied to the numerator.
<i>PSI Covariates used in Risk Adjustment</i>	Tables for each PSI provide the stratification and coefficients used to calculate the risk-adjusted rate for each strata.
<i>SAS® PSI Software Documentation</i>	This software documentation provides detailed instructions on how to use the SAS ® version of the PSI software including data preparation, calculation of the PSI rates, and interpretation of output.
<i>Patient Safety Indicators Comparative Data</i>	This document provides the provider rate, provider standard deviation, area rate, and population rate, as appropriate, for each indicator.
<i>Change Log to PSI Documents and Software</i>	The Change Log document provides a cumulative summary of all changes to the PSI software, software documentation, and other documents made since the release of version 2.1 of the software in March 2003. Changes to indicator specifications that were not a result of new ICD-9-CM and DRG codes, are also described in the Change Log.
<i>Fiscal year 2008 Coding Changes</i>	This document summarizes the changes to the indicator definitions resulting from FY 2008 changes to ICD-9-CM coding and DRG changes. These changes will only affect data from FY 2008 (October 1, 2007) or later.
SAS® PSI Software	Requires the SAS® statistical program distributed by the SAS Institute, Inc. The company may be contacted directly regarding the licensing of its products: <a href="http://www.sas.com">http://www.sas.com</a>

## AHRQ QI Windows Application

The AHRQ QI Windows Application calculates rates for all of the AHRQ Quality Indicators modules and does not require SAS®. It is available at:

[http://www.qualityindicators.ahrq.gov/winqi\\_download.htm](http://www.qualityindicators.ahrq.gov/winqi_download.htm)

## Additional Documents

The following documents are available within the "Documentation" section of the AHRQ QI Downloads Web page:

(<http://www.qualityindicators.ahrq.gov/downloads.htm>).

- *Refinement of the HCUP Quality Indicators (Technical Review), May 2001*
- *Refinement of the HCUP Quality Indicators (Summary), May 2001*
- *Measures of Patient Safety Based on Hospital Administrative Data - The Patient Safety Indicators, August 2002*
- *Measures of Patient Safety Based on Hospital Administrative Data - The Patient Safety Indicators (Summary), August 2002*

In addition, these documents may be accessed at the AHRQ QI Documentation Web page:

<http://www.qualityindicators.ahrq.gov/documentation.htm>

- *Guidance for Using the AHRQ Quality Indicators for Hospital-level Public Reporting or Payment, August 2004*
- *AHRQ Summary Statement on Comparative Hospital Public Reporting, December 2005*
- *Appendix A: Current Uses of AHRQ Quality Indicators and Considerations for Hospital-level*
- *Comparison of Recommended Evaluation Criteria in Five Existing National Frameworks*

The following documents can be viewed or downloaded from the page:

<http://www.qualityindicators.ahrq.gov/newsletter.htm>

- *2006 Area Level Indicator Changes*
- *Considerations in Public Reporting for the AHRQ QIs*
- *June 2005 Newsletter - Contains the article, "Using Different Types of QI Rates"*

## Other Tools and Information

The PSI SAS software no longer incorporates the AHRQ Comorbidity software. Before running the PSI software, the user will need to download and run program available at:

<http://www.hcup-us.ahrq.gov/toolssoftware/comorbidity/comorbidity.jsp>

That program will create the comorbidity variables in the user's data file. These variables are only needed if the user intends to calculate risk-adjusted rates using PSSASP3.

Area indicators can be calculated using the modified Federal Information Processing Standards (FIPS) State/county code. A list of codes is available at:

<http://www.census.gov/popest/geographic/codes02.pdf>

AHRQ provides a free, on-line query system based on HCUP data that provides access to health statistics and information on hospital stays at the national, regional, and State level. It is available at:

<http://hcup.ahrq.gov/HCUPnet.asp>