



Pediatric Quality Indicator 10 (PDI 10) Postoperative Sepsis Rate

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Hospital-Level Indicator

Type of Score: Rate

Prepared by:

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DESCRIPTION

Postoperative sepsis cases (secondary diagnosis) per 1,000 surgery discharges for patients ages 17 years and younger. Includes metrics for discharges grouped by risk category. Excludes cases with a principal diagnosis of sepsis, cases with a secondary diagnosis of sepsis present on admission, cases with a principal diagnosis of infection, cases in which the procedure belongs to surgical class 4, neonates, and obstetric cases.

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

NUMERATOR

Discharges, among cases meeting the inclusion and exclusion rules for the denominator, with any secondary ICD-10-CM diagnosis code for sepsis (*SEPTI2D**).

[NOTE: The numerator definition is identical for Risk Categories 1, 2, 3, 4, 9 and Overall].

DENOMINATOR OVERALL

Surgical discharges (*Appendix C: SURGI2R*), for patients ages 17 years and younger, with any listed ICD-10-PCS procedure code for an operating room procedure (*Appendix A: ORPROC*). Surgical discharges are defined by specific MS-DRG codes.

[Appendix A - Operating Room Procedure Codes](#)

[Appendix C - Surgical Discharge MS-DRGs](#)

DENOMINATOR OVERALL EXCLUSIONS (ALL RISK CATEGORIES)

Exclude cases:

- with a principal ICD-10-CM diagnosis code (or secondary diagnosis present on admission) for sepsis (*SEPTI2D**)
- with a principal ICD-10-CM diagnosis code for infection (*Appendix H: INFECID*)
- with an MS-DRG code for surgical class 4 (*DRG4C**)
- neonates (*Appendix I*)
- MDC 14 (pregnancy, childbirth, and puerperium)
- with an ungroupable DRG (DRG=999)
- with missing gender (SEX=missing), age (AGE=missing), quarter (DQTR=missing), year (YEAR=missing) or principal diagnosis (DX1=missing)

[Appendix H - Infection Diagnosis Codes](#)

[Appendix I - Definitions of Neonate, Newborn, Normal Newborn, and Outborn](#)

DENOMINATOR RISK CATEGORY 1

Discharges with a surgical class 1 DRG (*DRG1C**) classified as clean with an elective admission type (ATYPE = 3) that otherwise qualify for the denominator.

DENOMINATOR RISK CATEGORY 2

Discharges with a surgical class 1 DRG (*DRG1C**) classified as clean with a non-elective admission type (ATYPE ≠ 3) that otherwise qualify for the denominator.

DENOMINATOR RISK CATEGORY 3

Discharges with a surgical class 2 DRG (*DRG2C**), classified as clean contaminated, surgical class 3 (*DRG3C**), classified as potentially contaminated, or surgical class 9, unspecified (*DRG9C**), with an elective admission type (ATYPE = 3) that otherwise qualify for the denominator.

DENOMINATOR RISK CATEGORY 4

Discharges with a surgical class 2 DRG (*DRG2C**), classified as clean contaminated, surgical class 3 (*DRG3C**), classified as potentially contaminated, or surgical class 9, unspecified (*DRG9C**), with a non-elective admission type (ATYPE ≠ 3) that otherwise qualify for the denominator.

DENOMINATOR RISK CATEGORY 9

Surgical discharges not meeting the inclusion rules for Risk Category 1 through Risk Category 4 among patients otherwise qualifying for the denominator.

* See below for code list

Sepsis diagnosis codes for PSI 13/PDI 10 : (SEPTI2D)

A021	Salmonella sepsis	A4150	Gram-Negative sepsis, unspecified
A227	Anthrax sepsis	A4151	Sepsis due to escherichia coli [E. coli]
A267	Erysipelothrix sepsis	A4152	Sepsis due to pseudomonas
A327	Listerial sepsis	A4153	Sepsis due to serratia
A400	Sepsis due to streptococcus, group A	A4159	Other gram-negative Sepsis
A401	Sepsis due to streptococcus, group B	A4181	Sepsis due to enterococcus
A403	Sepsis due to streptococcus pneumoniae	A4189	Other specified Sepsis
A408	Other streptococcal sepsis	A419	Sepsis, unspecified organism
A409	Streptococcal sepsis, unspecified	A427	Actinomycotic Sepsis
A4101	Sepsis due to methicillin susceptible staphylococcus aureus	A5486	Gonococcal Sepsis
A4102	Sepsis due to methicillin resistant staphylococcus aureus	B377	Candidal Sepsis
A411	Sepsis due to other specified staphylococcus	R6520	Severe Sepsis without septic shock
A412	Sepsis due to unspecified staphylococcus	R6521	Severe Sepsis with septic shock
A413	Sepsis due to hemophilus influenzae	T8112XA	Postprocedural septic shock, initial encounter
A414	Sepsis due to anaerobes	T8144XA	Sepsis following a procedure, initial encounter

MS-DRG codes for surgical class 4: (DRG4C)

338	Appendectomy with complicated principal diagnosis with MCC	855	Infectious and parasitic diseases with O.R. procedures without CC/MCC
339	Appendectomy with complicated principal diagnosis with CC	856	Postoperative or post-traumatic infections with O.R. procedures with MCC
340	Appendectomy with complicated principal diagnosis without CC/MCC	857	Postoperative or post-traumatic infections with O.R. procedures with CC
853	Infectious and parasitic diseases with O.R. procedures with MCC	858	Postoperative or post-traumatic infections with O.R. procedures without CC/MCC
854	Infectious and parasitic diseases with O.R. procedures with CC		

MS-DRG codes for surgical class 1: (DRGIC)

01	Heart transplant or implant of heart assist system with MCC	353	Hernia procedures except inguinal and femoral with MCC
02	Heart transplant or implant of heart assist system without MCC	354	Hernia procedures except inguinal and femoral with CC
014	Allogeneic bone marrow transplant	355	Hernia procedures except inguinal and femoral without CC/MCC
016	Autologous bone marrow transplant with CC/MCC	453	Combined anterior and posterior spinal fusion with MCC
017	Autologous bone marrow transplant without CC/MCC	454	Combined anterior and posterior spinal fusion with CC
020	Intracranial vascular procedures with principal diagnosis hemorrhage with MCC	455	Combined anterior and posterior spinal fusion without CC/MCC
021	Intracranial vascular procedures with principal diagnosis hemorrhage with CC	456	Spinal fusion except cervical with spinal curvature, malignancy, infection or extensive fusions with MCC
022	Intracranial vascular procedures with principal diagnosis hemorrhage without CC/MCC	457	Spinal fusion except cervical with spinal curvature, malignancy, infection or extensive fusions with CC
023	Craniotomy with major device implant or acute complex CNS principal diagnosis with MCC or chemotherapy implant or epilepsy with ne	458	Spinal fusion except cervical with spinal curvature, malignancy, infection or extensive fusions without CC/MCC
024	Craniotomy with major device implant or acute complex CNS principal diagnosis without MCC	459	Spinal fusion except cervical with MCC
025	Craniotomy and endovascular intracranial procedures with MCC	460	Spinal fusion except cervical without MCC
026	Craniotomy and endovascular intracranial procedures with CC	461	Bilateral or multiple major joint procedures of lower extremity with MCC
027	Craniotomy and endovascular intracranial procedures without CC/MCC	462	Bilateral or multiple major joint procedures of lower extremity without MCC
028	Spinal procedures with MCC	463	Wound debridement and skin graft except hand for musculoskeletal and connective tissue disorders with MCC

029	Spinal procedures with CC or spinal neurostimulators	464	Wound debridement and skin graft except hand for musculoskeletal and connective tissue disorders with CC
030	Spinal procedures without CC/MCC	465	Wound debridement and skin graft except hand for musculoskeletal and connective tissue disorders without CC/MCC
031	Ventricular shunt procedures with MCC	466	Revision of hip or knee replacement with MCC
032	Ventricular shunt procedures with CC	467	Revision of hip or knee replacement with CC
033	Ventricular shunt procedures without CC/MCC	468	Revision of hip or knee replacement without CC/MCC
034	Carotid artery stent procedures with MCC	469	Major hip and knee joint replacement or reattachment of lower extremity with MCC or total ankle replacement
035	Carotid artery stent procedures with CC	470	Major hip and knee joint replacement or reattachment of lower extremity without MCC
036	Carotid artery stent procedures without CC/MCC	471	Cervical spinal fusion with MCC
037	Extracranial procedures with MCC	472	Cervical spinal fusion with CC
038	Extracranial procedures with CC	473	Cervical spinal fusion without CC/MCC
039	Extracranial procedures without CC/MCC	474	Amputation for musculoskeletal system and connective tissue disorders with MCC
040	Peripheral, cranial nerve and other nervous system procedures with MCC	475	Amputation for musculoskeletal system and connective tissue disorders with CC
041	Peripheral, cranial nerve and other nervous system procedures with CC or peripheral neurostimulator	476	Amputation for musculoskeletal system and connective tissue disorders without CC/MCC
042	Peripheral, cranial nerve and other nervous system procedures without CC/MCC	477	Biopsies of musculoskeletal system and connective tissue with MCC
113	Orbital procedures with CC/MCC	478	Biopsies of musculoskeletal system and connective tissue with CC
114	Orbital procedures without CC/MCC	479	Biopsies of musculoskeletal system and connective tissue without CC/MCC
115	Extraocular procedures except orbit	480	Hip and femur procedures except major joint with MCC

116	Intraocular procedures with CC/MCC	481	Hip and femur procedures except major joint with CC
117	Intraocular procedures without CC/MCC	482	Hip and femur procedures except major joint without CC/MCC
215	Other heart assist system implant	483	Major joint or limb reattachment procedures of upper extremities
216	Cardiac valve and other major cardiothoracic procedures with cardiac catheterization with MCC	485	Knee procedures with principal diagnosis of infection with MCC
217	Cardiac valve and other major cardiothoracic procedures with cardiac catheterization with CC	486	Knee procedures with principal diagnosis of infection with CC
218	Cardiac valve and other major cardiothoracic procedures with cardiac catheterization without CC/MCC	487	Knee procedures with principal diagnosis of infection without CC/MCC
219	Cardiac valve and other major cardiothoracic procedures without cardiac catheterization with MCC	488	Knee procedures without principal diagnosis of infection with CC/MCC
220	Cardiac valve and other major cardiothoracic procedures without cardiac catheterization with CC	489	Knee procedures without principal diagnosis of infection without CC/MCC
221	Cardiac valve and other major cardiothoracic procedures without cardiac catheterization without CC/MCC	492	Lower extremity and humerus procedures except hip, foot and femur with MCC
222	Cardiac defibrillator implant with cardiac catheterization with AMI, hf or shock with MCC	493	Lower extremity and humerus procedures except hip, foot and femur with CC
223	Cardiac defibrillator implant with cardiac catheterization with AMI, hf or shock without MCC	494	Lower extremity and humerus procedures except hip, foot and femur without CC/MCC
224	Cardiac defibrillator implant with cardiac catheterization without AMI, hf or shock with MCC	495	Local excision and removal of internal fixation devices except hip and femur with MCC
225	Cardiac defibrillator implant with cardiac catheterization without AMI, hf or shock without MCC	496	Local excision and removal of internal fixation devices except hip and femur with CC
226	Cardiac defibrillator implant without cardiac catheterization with MCC	497	Local excision and removal of internal fixation devices except hip and femur without CC/MCC
227	Cardiac defibrillator implant without cardiac catheterization without MCC	498	Local excision and removal of internal fixation devices of hip and femur with CC/MCC

228	Other cardiothoracic procedures with MCC	499	Local excision and removal of internal fixation devices of hip and femur without CC/MCC
229	Other cardiothoracic procedures without MCC	500	Soft tissue procedures with MCC
230	Other cardiothoracic procedures without CC/MCC	501	Soft tissue procedures with CC
231	Coronary bypass with PTCA with MCC	502	Soft tissue procedures without CC/MCC
232	Coronary bypass with PTCA without MCC	503	Foot procedures with MCC
233	Coronary bypass with cardiac catheterization with MCC	504	Foot procedures with CC
234	Coronary bypass with cardiac catheterization without MCC	505	Foot procedures without CC/MCC
235	Coronary bypass without cardiac catheterization with MCC	506	Major thumb or joint procedures
236	Coronary bypass without cardiac catheterization without MCC	507	Major shoulder or elbow joint procedures with CC/MCC
239	Amputation for circulatory system disorders except upper limb and toe with MCC	508	Major shoulder or elbow joint procedures without CC/MCC
240	Amputation for circulatory system disorders except upper limb and toe with CC	509	Arthroscopy
241	Amputation for circulatory system disorders except upper limb and toe without CC/MCC	510	Shoulder, elbow or forearm procedures, except major joint procedures with MCC
242	Permanent cardiac pacemaker implant with MCC	511	Shoulder, elbow or forearm procedures, except major joint procedures with CC
243	Permanent cardiac pacemaker implant with CC	512	Shoulder, elbow or forearm procedures, except major joint procedures without CC/MCC
244	Permanent cardiac pacemaker implant without CC/MCC	513	Hand or wrist procedures, except major thumb or joint procedures with CC/MCC
245	AICD generator procedures	514	Hand or wrist procedures, except major thumb or joint procedures without CC/MCC
246	Percutaneous cardiovascular procedures with drug-eluting stent with MCC or 4+ arteries or stents	515	Other musculoskeletal system and connective tissue O.R. procedures with MCC

247	Percutaneous cardiovascular procedures with drug-eluting stent without MCC	516	Other musculoskeletal system and connective tissue O.R. procedures with CC
248	Percutaneous cardiovascular procedures with non-drug-eluting stent with MCC or 4+ arteries or stents	517	Other musculoskeletal system and connective tissue O.R. procedures without CC/MCC
249	Percutaneous cardiovascular procedures with non-drug-eluting stent without MCC	518	Back and neck procedures except spinal fusion with MCC or disc device or neurostimulator
250	Percutaneous cardiovascular procedures without coronary artery stent with MCC	519	Back and neck procedures except spinal fusion with CC
251	Percutaneous cardiovascular procedures without coronary artery stent without MCC	520	Back and neck procedures except spinal fusion without CC/MCC
252	Other vascular procedures with MCC	521	Hip replacement with principal diagnosis of hip fracture with MCC
253	Other vascular procedures with CC	522	Hip replacement with principal diagnosis of hip fracture without MCC
254	Other vascular procedures without CC/MCC	582	Mastectomy for malignancy with CC/MCC
255	Upper limb and toe amputation for circulatory system disorders with MCC	583	Mastectomy for malignancy without CC/MCC
256	Upper limb and toe amputation for circulatory system disorders with CC	584	Breast biopsy, local excision and other breast procedures with CC/MCC
257	Upper limb and toe amputation for circulatory system disorders without CC/MCC	585	Breast biopsy, local excision and other breast procedures without CC/MCC
258	Cardiac pacemaker device replacement with MCC	614	Adrenal and pituitary procedures with CC/MCC
259	Cardiac pacemaker device replacement without MCC	615	Adrenal and pituitary procedures without CC/MCC
260	Cardiac pacemaker revision except device replacement with MCC	616	Amputation of lower limb for endocrine, nutritional and metabolic disorders with MCC
261	Cardiac pacemaker revision except device replacement with CC	617	Amputation of lower limb for endocrine, nutritional and metabolic disorders with CC
262	Cardiac pacemaker revision except device replacement without CC/MCC	618	Amputation of lower limb for endocrine, nutritional and metabolic disorders without CC/MCC

263	Vein ligation and stripping	622	Skin grafts and wound debridement for endocrine, nutritional and metabolic disorders with MCC
264	Other circulatory system O.R. procedures	623	Skin grafts and wound debridement for endocrine, nutritional and metabolic disorders with CC
265	AICD lead procedures	624	Skin grafts and wound debridement for endocrine, nutritional and metabolic disorders without CC/MCC
266	Endovascular cardiac valve replacement and supplement procedures with MCC	625	Thyroid, parathyroid and thyroglossal procedures with MCC
267	Endovascular cardiac valve replacement and supplement procedures without MCC	626	Thyroid, parathyroid and thyroglossal procedures with CC
268	Aortic and heart assist procedures except pulsation balloon with MCC	627	Thyroid, parathyroid and thyroglossal procedures without CC/MCC
269	Aortic and heart assist procedures except pulsation balloon without MCC	628	Other endocrine, nutritional and metabolic O.R. procedures with MCC
270	Other major cardiovascular procedures with MCC	629	Other endocrine, nutritional and metabolic O.R. procedures with CC
271	Other major cardiovascular procedures with CC	630	Other endocrine, nutritional and metabolic O.R. procedures without CC/MCC
272	Other major cardiovascular procedures without CC/MCC	711	Testes procedures with CC/MCC
273	Percutaneous and other intracardiac procedures with MCC	712	Testes procedures without CC/MCC
274	Percutaneous and other intracardiac procedures without MCC	799	Splenectomy with MCC
319	Other endovascular cardiac valve procedures with MCC	800	Splenectomy with CC
320	Other endovascular cardiac valve procedures without MCC	801	Splenectomy without CC/MCC
350	Inguinal and femoral hernia procedures with MCC	802	Other O.R. procedures of the blood and blood forming organs with MCC
351	Inguinal and femoral hernia procedures with CC	803	Other O.R. procedures of the blood and blood forming organs with CC
352	Inguinal and femoral hernia procedures without CC/MCC	804	Other O.R. procedures of the blood and blood forming organs without CC/MCC

MS-DRG codes for surgical class 2: (DRG2C)

03	ECMO or tracheostomy with MV >96 hours or principal diagnosis except face, mouth and neck with major O.R. procedures	425	Other hepatobiliary or pancreas O.R. procedures without CC/MCC
04	Tracheostomy with MV >96 hours or principal diagnosis except face, mouth and neck without major O.R. procedures	576	Skin graft except for skin ulcer or cellulitis with MCC
05	Liver transplant with MCC or intestinal transplant	577	Skin graft except for skin ulcer or cellulitis with CC
06	Liver transplant without MCC	578	Skin graft except for skin ulcer or cellulitis without CC/MCC
07	Lung transplant	579	Other skin, subcutaneous tissue and breast procedures with MCC
08	Simultaneous pancreas and kidney transplant	580	Other skin, subcutaneous tissue and breast procedures with CC
010	Pancreas transplant	581	Other skin, subcutaneous tissue and breast procedures without CC/MCC
011	Tracheostomy for face, mouth and neck diagnoses or laryngectomy with MCC	619	O.R. procedures for obesity with MCC
012	Tracheostomy for face, mouth and neck diagnoses or laryngectomy with CC	620	O.R. procedures for obesity with CC
013	Tracheostomy for face, mouth and neck diagnoses or laryngectomy without CC/MCC	621	O.R. procedures for obesity without CC/MCC
019	Simultaneous pancreas and kidney transplant with hemodialysis	650	Kidney transplant with hemodialysis with MCC
061	Ischemic stroke, precerebral occlusion or transient ischemia with thrombolytic agent with MCC	651	Kidney transplant with hemodialysis without MCC
062	Ischemic stroke, precerebral occlusion or transient ischemia with thrombolytic agent with CC	652	Kidney transplant
063	Ischemic stroke, precerebral occlusion or transient ischemia with thrombolytic agent without CC/MCC	653	Major bladder procedures with MCC
129	Major head and neck procedures with CC/MCC or major device	654	Major bladder procedures with CC
130	Major head and neck procedures without CC/MCC	655	Major bladder procedures without CC/MCC
131	Cranial and facial procedures with CC/MCC	656	Kidney and ureter procedures for neoplasm with MCC

132	Cranial and facial procedures without CC/MCC	657	Kidney and ureter procedures for neoplasm with CC
133	Other ear, nose, mouth and throat O.R. procedures with CC/MCC	658	Kidney and ureter procedures for neoplasm without CC/MCC
134	Other ear, nose, mouth and throat O.R. procedures without CC/MCC	659	Kidney and ureter procedures for non-neoplasm with MCC
135	Sinus and mastoid procedures with CC/MCC	660	Kidney and ureter procedures for non-neoplasm with CC
136	Sinus and mastoid procedures without CC/MCC	661	Kidney and ureter procedures for non-neoplasm without CC/MCC
137	Mouth procedures with CC/MCC	662	Minor bladder procedures with MCC
138	Mouth procedures without CC/MCC	663	Minor bladder procedures with CC
139	Salivary gland procedures	664	Minor bladder procedures without CC/MCC
140	Major head and neck procedures with MCC	665	Prostatectomy with MCC
141	Major head and neck procedures with CC	666	Prostatectomy with CC
142	Major head and neck procedures without CC/MCC	667	Prostatectomy without CC/MCC
143	Other ear, nose, mouth and throat O.R. procedures with MCC	668	Transurethral procedures with MCC
144	Other ear, nose, mouth and throat O.R. procedures with CC	669	Transurethral procedures with CC
145	Other ear, nose, mouth and throat O.R. procedures without CC/MCC	670	Transurethral procedures without CC/MCC
163	Major chest procedures with MCC	671	Urethral procedures with CC/MCC
164	Major chest procedures with CC	672	Urethral procedures without CC/MCC
165	Major chest procedures without CC/MCC	673	Other kidney and urinary tract procedures with MCC
166	Other respiratory system O.R. procedures with MCC	674	Other kidney and urinary tract procedures with CC
167	Other respiratory system O.R. procedures with CC	675	Other kidney and urinary tract procedures without CC/MCC
168	Other respiratory system O.R. procedures without CC/MCC	707	Major male pelvic procedures with CC/MCC
326	Stomach, esophageal and duodenal procedures with MCC	708	Major male pelvic procedures without CC/MCC
327	Stomach, esophageal and duodenal procedures with CC	709	Penis procedures with CC/MCC
328	Stomach, esophageal and duodenal procedures without CC/MCC	710	Penis procedures without CC/MCC

329	Major small and large bowel procedures with MCC	713	Transurethral prostatectomy with CC/MCC
330	Major small and large bowel procedures with CC	714	Transurethral prostatectomy without CC/MCC
331	Major small and large bowel procedures without CC/MCC	715	Other male reproductive system O.R. procedures for malignancy with CC/MCC
332	Rectal resection with MCC	716	Other male reproductive system O.R. procedures for malignancy without CC/MCC
333	Rectal resection with CC	717	Other male reproductive system O.R. procedures except malignancy with CC/MCC
334	Rectal resection without CC/MCC	718	Other male reproductive system O.R. procedures except malignancy without CC/MCC
335	Peritoneal adhesiolysis with MCC	734	Pelvic evisceration, radical hysterectomy and radical vulvectomy with CC/MCC
336	Peritoneal adhesiolysis with CC	735	Pelvic evisceration, radical hysterectomy and radical vulvectomy without CC/MCC
337	Peritoneal adhesiolysis without CC/MCC	736	Uterine and adnexa procedures for ovarian or adnexal malignancy with MCC
341	Appendectomy without complicated principal diagnosis with MCC	737	Uterine and adnexa procedures for ovarian or adnexal malignancy with CC
342	Appendectomy without complicated principal diagnosis with CC	738	Uterine and adnexa procedures for ovarian or adnexal malignancy without CC/MCC
343	Appendectomy without complicated principal diagnosis without CC/MCC	739	Uterine and adnexa procedures for non-ovarian and non-adnexal malignancy with MCC
344	Minor small and large bowel procedures with MCC	740	Uterine and adnexa procedures for non-ovarian and non-adnexal malignancy with CC
345	Minor small and large bowel procedures with CC	741	Uterine and adnexa procedures for non-ovarian and non-adnexal malignancy without CC/MCC
346	Minor small and large bowel procedures without CC/MCC	742	Uterine and adnexa procedures for non-malignancy with CC/MCC
347	Anal and stomal procedures with MCC	743	Uterine and adnexa procedures for non-malignancy without CC/MCC

348	Anal and stomal procedures with CC	744	D&C, conization, laparoscopy and tubal interruption with CC/MCC
349	Anal and stomal procedures without CC/MCC	745	D&C, conization, laparoscopy and tubal interruption without CC/MCC
356	Other digestive system O.R. procedures with MCC	746	Vagina, cervix and vulva procedures with CC/MCC
357	Other digestive system O.R. procedures with CC	747	Vagina, cervix and vulva procedures without CC/MCC
358	Other digestive system O.R. procedures without CC/MCC	748	Female reproductive system reconstructive procedures
405	Pancreas, liver and shunt procedures with MCC	749	Other female reproductive system O.R. procedures with CC/MCC
406	Pancreas, liver and shunt procedures with CC	750	Other female reproductive system O.R. procedures without CC/MCC
407	Pancreas, liver and shunt procedures without CC/MCC	765	Cesarean section with CC/MCC
408	Biliary tract procedures except only cholecystectomy with or without C.D.E. with MCC	766	Cesarean section without CC/MCC
409	Biliary tract procedures except only cholecystectomy with or without C.D.E. with CC	767	Vaginal delivery with sterilization and/or D&C
410	Biliary tract procedures except only cholecystectomy with or without C.D.E. without CC/MCC	768	Vaginal delivery with O.R. procedures except sterilization and/or D&C
411	Cholecystectomy with C.D.E. with MCC	769	Postpartum and post abortion diagnoses with O.R. procedures
412	Cholecystectomy with C.D.E. with CC	770	Abortion with D&C, aspiration curettage or hysterotomy
413	Cholecystectomy with C.D.E. without CC/MCC	783	Cesarean section with sterilization with MCC
414	Cholecystectomy except by laparoscope without C.D.E. with MCC	784	Cesarean section with sterilization with CC
415	Cholecystectomy except by laparoscope without C.D.E. with CC	785	Cesarean section with sterilization without CC/MCC
416	Cholecystectomy except by laparoscope without C.D.E. without CC/MCC	786	Cesarean section without sterilization with MCC
417	Laparoscopic cholecystectomy without C.D.E. with MCC	787	Cesarean section without sterilization with CC
418	Laparoscopic cholecystectomy without C.D.E. with CC	788	Cesarean section without sterilization without CC/MCC
419	Laparoscopic cholecystectomy without C.D.E. without CC/MCC	796	Vaginal delivery with sterilization and/or D&C with MCC

420	Hepatobiliary diagnostic procedures with MCC	797	Vaginal delivery with sterilization and/or D&C with CC
421	Hepatobiliary diagnostic procedures with CC	798	Vaginal delivery with sterilization and/or D&C without CC/MCC
422	Hepatobiliary diagnostic procedures without CC/MCC	817	Other antepartum diagnoses with O.R. procedures with MCC
423	Other hepatobiliary or pancreas O.R. procedures with MCC	818	Other antepartum diagnoses with O.R. procedures with CC
424	Other hepatobiliary or pancreas O.R. procedures with CC	819	Other antepartum diagnoses with O.R. procedures without CC/MCC

MS-DRG codes for surgical class 9: (DRG9C)

820	Lymphoma and leukemia with major O.R. procedures with MCC	940	O.R. procedures with diagnoses of other contact with health services with CC
821	Lymphoma and leukemia with major O.R. procedures with CC	941	O.R. procedures with diagnoses of other contact with health services without CC/MCC
822	Lymphoma and leukemia with major O.R. procedures without CC/MCC	969	HIV with extensive O.R. procedures with MCC
823	Lymphoma and non-acute leukemia with other procedures with MCC	970	HIV with extensive O.R. procedures without MCC
824	Lymphoma and non-acute leukemia with other procedures with CC	981	Extensive O.R. procedures unrelated to principal diagnosis with MCC
825	Lymphoma and non-acute leukemia with other procedures without CC/MCC	982	Extensive O.R. procedures unrelated to principal diagnosis with CC
826	Myeloproliferative disorders or poorly differentiated neoplasms with major O.R. procedures with MCC	983	Extensive O.R. procedures unrelated to principal diagnosis without CC/MCC
827	Myeloproliferative disorders or poorly differentiated neoplasms with major O.R. procedures with CC	984	Prostatic O.R. procedure unrelated to principal diagnosis with MCC
828	Myeloproliferative disorders or poorly differentiated neoplasms with major O.R. procedures without CC/MCC	985	Prostatic O.R. procedure unrelated to principal diagnosis with CC
829	Myeloproliferative disorders or poorly differentiated neoplasms with other procedures with CC/MCC	986	Prostatic O.R. procedure unrelated to principal diagnosis without CC/MCC
830	Myeloproliferative disorders or poorly differentiated neoplasms with other procedures without CC/MCC	987	Non-Extensive O.R. procedures unrelated to principal diagnosis with MCC
	O.R. procedures with principal diagnosis of mental illness	988	Non-Extensive O.R. procedures unrelated to principal diagnosis with CC
876		989	Non-Extensive O.R. procedures unrelated to principal diagnosis without CC/MCC
939	O.R. procedures with diagnoses of other contact with health services with MCC		

MS-DRG codes for surgical class 3: (DRG3C)

521	Hip replacement with principal diagnosis of hip fracture with MCC	906	Hand procedures for injuries
522	Hip replacement with principal diagnosis of hip fracture without MCC	907	Other O.R. procedures for injuries with MCC
570	Skin debridement with MCC	908	Other O.R. procedures for injuries with CC
571	Skin debridement with CC	909	Other O.R. procedures for injuries without CC/MCC
572	Skin debridement without CC/MCC	927	Extensive burns or full thickness burns with MV >96 hours with skin graft
573	Skin graft for skin ulcer or cellulitis with MCC	928	Full thickness burn with skin graft or inhalation injury with CC/MCC
574	Skin graft for skin ulcer or cellulitis with CC	929	Full thickness burn with skin graft or inhalation injury without CC/MCC
575	Skin graft for skin ulcer or cellulitis without CC/MCC	955	Craniotomy for multiple significant trauma
901	Wound debridements for injuries with MCC	956	Limb reattachment, hip and femur procedures for multiple significant trauma
902	Wound debridements for injuries with CC	957	Other O.R. procedures for multiple significant trauma with MCC
903	Wound debridements for injuries without CC/MCC	958	Other O.R. procedures for multiple significant trauma with CC
904	Skin grafts for injuries with CC/MCC	959	Other O.R. procedures for multiple significant trauma without CC/MCC
905	Skin grafts for injuries without CC/MCC		