

## APPENDIX C: Surgical MS-DRGs

### *Surgical MS-DRGs: (SURGI2R)*

001	Heart transplant or implant of heart assist system w MCC	474	Amputation for musculoskeletal sys & conn tissue dis w MCC
002	Heart transplant or implant of heart assist system w/o MCC	475	Amputation for musculoskeletal sys & conn tissue dis w CC
003	ECMO or trach w MV 96+ hrs or PDX exc face, mouth & neck w maj O.R.	476	Amputation for musculoskeletal sys & conn tissue dis w/o CC/MCC
004	Trach w MV 96+ hrs or PDX exc face, mouth & neck w/o maj O.R.	477	Biopsies of musculoskeletal system & connective tissue w MCC
005	Liver transplant w MCC or intestinal transplant	478	Biopsies of musculoskeletal system & connective tissue w CC
006	Liver transplant w/o MCC	479	Biopsies of musculoskeletal system & connective tissue w/o CC/MCC
007	Lung transplant	480	Hip & femur procedures except major joint w MCC
008	Simultaneous pancreas/kidney transplant	481	Hip & femur procedures except major joint w CC
009	Bone marrow transplant	482	Hip & femur procedures except major joint w/o CC/MCC
010	Pancreas transplant	483	Major joint & limb reattachment proc of upper extremity w CC/MCC
011	Tracheostomy for face,mouth & neck diagnoses w MCC	484	Major joint & limb reattachment proc of upper extremity w/o CC/MCC

012	Tracheostomy for face,mouth & neck diagnoses w CC	485	Knee procedures w pdx of infection w MCC
013	Tracheostomy for face,mouth & neck diagnoses w/o CC/MCC	486	Knee procedures w pdx of infection w CC
014	ALLOGENEIC BONE MARROW TRANSPLANT	487	Knee procedures w pdx of infection w/o CC/MCC
015	AUTOLOGOUS BONE MARROW TRANSPLANT	488	Knee procedures w/o pdx of infection w CC/MCC
016	AUTOLOGOUS BONE MARROW TRANSPLANT W CC/MCC	489	Knee procedures w/o pdx of infection w/o CC/MCC
017	AUTOLOGOUS BONE MARROW TRANSPLANT W/O CC/MCC	490	Back & neck proc exc spinal fusion w CC/MCC or disc device/neurostim
020	Intracranial vascular procedures w PDX hemorrhage w MCC	491	Back & neck proc exc spinal fusion w/o CC/MCC
021	Intracranial vascular procedures w PDX hemorrhage w CC	492	Lower extrem & humer proc except hip,foot,femur w MCC
022	Intracranial vascular procedures w PDX hemorrhage w/o CC/MCC	493	Lower extrem & humer proc except hip,foot,femur w CC
023	Cranio w major dev impl/acute complex CNS PDX w MCC or chemo implant	494	Lower extrem & humer proc except hip,foot,femur w/o CC/MCC
024	Cranio w major dev impl/acute complex CNS PDX w/o MCC	495	Local excision & removal int fix devices exc hip & femur w MCC
025	Craniotomy & endovascular intracranial procedures w MCC	496	Local excision & removal int fix devices exc hip & femur w CC

026	Craniotomy & endovascular intracranial procedures w CC	497	Local excision & removal int fix devices exc hip & femur w/o CC/MCC
027	Craniotomy & endovascular intracranial procedures w/o CC/MCC	498	Local excision & removal int fix devices of hip & femur w CC/MCC
028	Spinal procedures w MCC	499	Local excision & removal int fix devices of hip & femur w/o CC/MCC
029	Spinal procedures w CC or spinal neurostimulators	500	Soft tissue procedures w MCC
030	Spinal procedures w/o CC/MCC	501	Soft tissue procedures w CC
031	Ventricular shunt procedures w MCC	502	Soft tissue procedures w/o CC/MCC
032	Ventricular shunt procedures w CC	503	Foot procedures w MCC
033	Ventricular shunt procedures w/o CC/MCC	504	Foot procedures w CC
034	Carotid artery stent procedure w MCC	505	Foot procedures w/o CC/MCC
035	Carotid artery stent procedure w CC	506	Major thumb or joint procedures
036	Carotid artery stent procedure w/o CC/MCC	507	Major shoulder or elbow joint procedures w CC/MCC
037	Extracranial procedures w MCC	508	Major shoulder or elbow joint procedures w/o CC/MCC

038	Extracranial procedures w CC	509	Arthroscopy
039	Extracranial procedures w/o CC/MCC	510	Shoulder,elbow or forearm proc,exc major joint proc w MCC
040	Periph/cranial nerve & other nerv syst proc w MCC	511	Shoulder,elbow or forearm proc,exc major joint proc w CC
041	Periph/cranial nerve & other nerv syst proc w CC or periph neurostim	512	Shoulder,elbow or forearm proc,exc major joint proc w/o CC/MCC
042	Periph/cranial nerve & other nerv syst proc w/o CC/MCC	513	Hand or wrist proc, except major thumb or joint proc w CC/MCC
113	Orbital procedures w CC/MCC	514	Hand or wrist proc, except major thumb or joint proc w/o CC/MCC
114	Orbital procedures w/o CC/MCC	515	Other musculoskelet sys & conn tiss O.R. proc w MCC
115	Extraocular procedures except orbit	516	Other musculoskelet sys & conn tiss O.R. proc w CC
116	Intraocular procedures w CC/MCC	517	Other musculoskelet sys & conn tiss O.R. proc w/o CC/MCC
117	Intraocular procedures w/o CC/MCC	518	Back & Neck Procedure excluding spinal fusion w MCC or disc device/neurostimulator
129	Major head & neck procedures w CC/MCC or major device	519	Back & Neck Procedure excluding spinal fusion w CC
130	Major head & neck procedures w/o CC/MCC	520	Back & Neck Procedure excluding spinal fusion w/o CC/MCC

131	Cranial/facial procedures w CC/MCC	570	SKIN DEBRIDEMENT W MCC
132	Cranial/facial procedures w/o CC/MCC	571	SKIN DEBRIDEMENT W CC
133	Other ear, nose, mouth & throat O.R. procedures w CC/MCC	572	SKIN DEBRIDEMENT W/O CC/MCC
134	Other ear, nose, mouth & throat O.R. procedures w/o CC/MCC	573	Skin graft for skn ulcer or cellulitis w MCC
135	Sinus & mastoid procedures w CC/MCC	574	Skin graft for skn ulcer or cellulitis w CC
136	Sinus & mastoid procedures w/o CC/MCC	575	Skin graft for skn ulcer or cellulitis w/o CC/MCC
137	Mouth procedures w CC/MCC	576	Skin graft exc for skin ulcer or cellulitis w MCC
138	Mouth procedures w/o CC/MCC	577	Skin graft exc for skin ulcer or cellulitis w CC
139	Salivary gland procedures	578	Skin graft exc for skin ulcer or cellulitis w/o CC/MCC
163	Major chest procedures w MCC	579	Other skin, subcut tiss & breast proc w MCC
164	Major chest procedures w CC	580	Other skin, subcut tiss & breast proc w CC
165	Major chest procedures w/o CC/MCC	581	Other skin, subcut tiss & breast proc w/o CC/MCC

166	Other resp system O.R. procedures w MCC	582	Mastectomy for malignancy w CC/MCC
167	Other resp system O.R. procedures w CC	583	Mastectomy for malignancy w/o CC/MCC
168	Other resp system O.R. procedures w/o CC/MCC	584	Breast biopsy, local excision & other breast procedures w CC/MCC
215	Other heart assist system implant	585	Breast biopsy, local excision & other breast procedures w/o CC/MCC
216	Cardiac valve & oth maj cardiothoracic proc w card cath w MCC	614	Adrenal & pituitary procedures w CC/MCC
217	Cardiac valve & oth maj cardiothoracic proc w card cath w CC	615	Adrenal & pituitary procedures w/o CC/MCC
218	Cardiac valve & oth maj cardiothoracic proc w card cath w/o CC/MCC	616	Amputat of lower limb for endocrine,nutrit,& metabol dis w MCC
219	Cardiac valve & oth maj cardiothoracic proc w/o card cath w MCC	617	Amputat of lower limb for endocrine,nutrit,& metabol dis w CC
220	Cardiac valve & oth maj cardiothoracic proc w/o card cath w CC	618	Amputat of lower limb for endocrine,nutrit,& metabol dis w/o CC/MCC
221	Cardiac valve & oth maj cardiothoracic proc w/o card cath w/o CC/MCC	619	O.R. procedures for obesity w MCC
222	Cardiac defib implant w cardiac cath w AMI/HF/shock w MCC	620	O.R. procedures for obesity w CC
223	Cardiac defib implant w cardiac cath w AMI/HF/shock w/o MCC	621	O.R. procedures for obesity w/o CC/MCC

224	Cardiac defib implant w cardiac cath w/o AMI/HF/shock w MCC	622	Skin grafts & wound debrid for endoc, nutrit & metab dis w MCC
225	Cardiac defib implant w cardiac cath w/o AMI/HF/shock w/o MCC	623	Skin grafts & wound debrid for endoc, nutrit & metab dis w CC
226	Cardiac defibrillator implant w/o cardiac cath w MCC	624	Skin grafts & wound debrid for endoc, nutrit & metab dis w/o CC/MCC
227	Cardiac defibrillator implant w/o cardiac cath w/o MCC	625	Thyroid, parathyroid & thyroglossal procedures w MCC
228	Other cardiothoracic procedures w MCC	626	Thyroid, parathyroid & thyroglossal procedures w CC
229	Other cardiothoracic procedures w CC	627	Thyroid, parathyroid & thyroglossal procedures w/o CC/MCC
230	Other cardiothoracic procedures w/o CC/MCC	628	Other endocrine, nutrit & metab O.R. proc w MCC
231	Coronary bypass w PTCA w MCC	629	Other endocrine, nutrit & metab O.R. proc w CC
232	Coronary bypass w PTCA w/o MCC	630	Other endocrine, nutrit & metab O.R. proc w/o CC/MCC
233	Coronary bypass w cardiac cath w MCC	652	Kidney transplant
234	Coronary bypass w cardiac cath w/o MCC	653	Major bladder procedures w MCC
235	Coronary bypass w/o cardiac cath w MCC	654	Major bladder procedures w CC

236	Coronary bypass w/o cardiac cath w/o MCC	655	Major bladder procedures w/o CC/MCC
239	Amputation for circ sys disorders exc upper limb & toe w MCC	656	Kidney & ureter procedures for neoplasm w MCC
240	Amputation for circ sys disorders exc upper limb & toe w CC	657	Kidney & ureter procedures for neoplasm w CC
241	Amputation for circ sys disorders exc upper limb & toe w/o CC/MCC	658	Kidney & ureter procedures for neoplasm w/o CC/MCC
242	Permanent cardiac pacemaker implant w MCC	659	Kidney & ureter procedures for non-neoplasm w MCC
243	Permanent cardiac pacemaker implant w CC	660	Kidney & ureter procedures for non-neoplasm w CC
244	Permanent cardiac pacemaker implant w/o CC/MCC	661	Kidney & ureter procedures for non-neoplasm w/o CC/MCC
245	AICD lead & generator procedures	662	Minor bladder procedures w MCC
246	Perc cardiovasc proc w drug-eluting stent w MCC or 4+ vessels/stents	663	Minor bladder procedures w CC
247	Perc cardiovasc proc w drug-eluting stent w/o MCC	664	Minor bladder procedures w/o CC/MCC
248	Perc cardiovasc proc w non-drug-eluting stent w MCC or 4+ ves/stents	665	Prostatectomy w MCC
249	Perc cardiovasc proc w non-drug-eluting stent w/o MCC	666	Prostatectomy w CC



250	Perc cardiovasc proc w/o coronary artery stent or AMI w MCC	667	Prostatectomy w/o CC/MCC
251	Perc cardiovasc proc w/o coronary artery stent or AMI w/o MCC	668	Transurethral procedures w MCC
252	Other vascular procedures w MCC	669	Transurethral procedures w CC
253	Other vascular procedures w CC	670	Transurethral procedures w/o CC/MCC
254	Other vascular procedures w/o CC/MCC	671	Urethral procedures w CC/MCC
255	Upper limb & toe amputation for circ system disorders w MCC	672	Urethral procedures w/o CC/MCC
256	Upper limb & toe amputation for circ system disorders w CC	673	Other kidney & urinary tract procedures w MCC
257	Upper limb & toe amputation for circ system disorders w/o CC/MCC	674	Other kidney & urinary tract procedures w CC
258	Cardiac pacemaker device replacement w MCC	675	Other kidney & urinary tract procedures w/o CC/MCC
259	Cardiac pacemaker device replacement w/o MCC	707	Major male pelvic procedures w CC/MCC
260	Cardiac pacemaker revision except device replacement w MCC	708	Major male pelvic procedures w/o CC/MCC
261	Cardiac pacemaker revision except device replacement w CC	709	Penis procedures w CC/MCC

262	Cardiac pacemaker revision except device replacement w/o CC/MCC	710	Penis procedures w/o CC/MCC
263	Vein ligation & stripping	711	Testes procedures w CC/MCC
264	Other circulatory system O.R. procedures	712	Testes procedures w/o CC/MCC
265	AICD LEAD PROCEDURES	713	Transurethral prostatectomy w CC/MCC
266	Endovascular Cardiac Valve Replacement w MCC	714	Transurethral prostatectomy w/o CC/MCC
267	Endovascular Cardiac Valve Replacement w/o MCC	715	Other male reproductive system O.R. proc for malignancy w CC/MCC
268	Aortic and heart assist procedures except pulsation balloon w mcc	716	Other male reproductive system O.R. proc for malignancy w/o CC/MCC
269	Aortic and heart assist procedures except pulsation balloon w/o mcc	717	Other male reproductive system O.R. proc exc malignancy w CC/MCC
270	Other major cardiovascular procedures w mcc	718	Other male reproductive system O.R. proc exc malignancy w/o CC/MCC
271	Other major cardiovascular procedures w cc	734	Pelvic evisceration, rad hysterectomy & rad vulvectomy w CC/MCC
272	Other major cardiovascular procedures w/o cc/mcc	735	Pelvic evisceration, rad hysterectomy & rad vulvectomy w/o CC/MCC
273	Percutaneous intracardiac procedures w mcc	736	Uterine & adnexa proc for ovarian or adnexal malignancy w MCC

274	Percutaneous intracardiac procedures w/o mcc	737	Uterine & adnexa proc for ovarian or adnexal malignancy w CC
326	Stomach, esophageal & duodenal proc w MCC	738	Uterine & adnexa proc for ovarian or adnexal malignancy w/o CC/MCC
327	Stomach, esophageal & duodenal proc w CC	739	Uterine,adnexa proc for non-ovarian/adnexal malig w MCC
328	Stomach, esophageal & duodenal proc w/o CC/MCC	740	Uterine,adnexa proc for non-ovarian/adnexal malig w CC
329	Major small & large bowel procedures w MCC	741	Uterine,adnexa proc for non-ovarian/adnexal malig w/o CC/MCC
330	Major small & large bowel procedures w CC	742	Uterine & adnexa proc for non-malignancy w CC/MCC
331	Major small & large bowel procedures w/o CC/MCC	743	Uterine & adnexa proc for non-malignancy w/o CC/MCC
332	Rectal resection w MCC	744	D&C, conization, laparoscopy & tubal interruption w CC/MCC
333	Rectal resection w CC	745	D&C, conization, laparoscopy & tubal interruption w/o CC/MCC
334	Rectal resection w/o CC/MCC	746	Vagina, cervix & vulva procedures w CC/MCC
335	Peritoneal adhesiolysis w MCC	747	Vagina, cervix & vulva procedures w/o CC/MCC
336	Peritoneal adhesiolysis w CC	748	Female reproductive system reconstructive procedures

337	Peritoneal adhesiolysis w/o CC/MCC	749	Other female reproductive system O.R. procedures w CC/MCC
338	Appendectomy w complicated principal diag w MCC	750	Other female reproductive system O.R. procedures w/o CC/MCC
339	Appendectomy w complicated principal diag w CC	765	Cesarean section w CC/MCC
340	Appendectomy w complicated principal diag w/o CC/MCC	766	Cesarean section w/o CC/MCC
341	Appendectomy w/o complicated principal diag w MCC	767	Vaginal delivery w sterilization &/or D&C
342	Appendectomy w/o complicated principal diag w CC	768	Vaginal delivery w O.R. proc except steril &/or D&C
343	Appendectomy w/o complicated principal diag w/o CC/MCC	769	Postpartum & post abortion diagnoses w O.R. procedure
344	Minor small & large bowel procedures w MCC	770	Abortion w D&C, aspiration curettage or hysterotomy
345	Minor small & large bowel procedures w CC	799	Splenectomy w MCC
346	Minor small & large bowel procedures w/o CC/MCC	800	Splenectomy w CC
347	Anal & stomal procedures w MCC	801	Splenectomy w/o CC/MCC
348	Anal & stomal procedures w CC	802	Other O.R. proc of the blood & blood forming organs w MCC

349	Anal & stomal procedures w/o CC/MCC	803	Other O.R. proc of the blood & blood forming organs w CC
350	Inguinal & femoral hernia procedures w MCC	804	Other O.R. proc of the blood & blood forming organs w/o CC/MCC
351	Inguinal & femoral hernia procedures w CC	820	Lymphoma & leukemia w major O.R. procedure w MCC
352	Inguinal & femoral hernia procedures w/o CC/MCC	821	Lymphoma & leukemia w major O.R. procedure w CC
353	Hernia procedures except inguinal & femoral w MCC	822	Lymphoma & leukemia w major O.R. procedure w/o CC/MCC
354	Hernia procedures except inguinal & femoral w CC	823	Lymphoma & non-acute leukemia w other O.R. proc w MCC
355	Hernia procedures except inguinal & femoral w/o CC/MCC	824	Lymphoma & non-acute leukemia w other O.R. proc w CC
356	Other digestive system O.R. procedures w MCC	825	Lymphoma & non-acute leukemia w other O.R. proc w/o CC/MCC
357	Other digestive system O.R. procedures w CC	826	Myeloprolif disord or poorly diff neopl w maj O.R. proc w MCC
358	Other digestive system O.R. procedures w/o CC/MCC	827	Myeloprolif disord or poorly diff neopl w maj O.R. proc w CC
405	Pancreas, liver & shunt procedures w MCC	828	Myeloprolif disord or poorly diff neopl w maj O.R. proc w/o CC/MCC
406	Pancreas, liver & shunt procedures w CC	829	Myeloprolif disord or poorly diff neopl w other O.R. proc w CC/MCC

407	Pancreas, liver & shunt procedures w/o CC/MCC	830	Myeloprolif disord or poorly diff neopl w other O.R. proc w/o CC/MCC
408	Biliary tract proc except only cholecyst w or w/o c.d.e. w MCC	853	Infectious & parasitic diseases w O.R. procedure w MCC
409	Biliary tract proc except only cholecyst w or w/o c.d.e. w CC	854	Infectious & parasitic diseases w O.R. procedure w CC
410	Biliary tract proc except only cholecyst w or w/o c.d.e. w/o CC/MCC	855	Infectious & parasitic diseases w O.R. procedure w/o CC/MCC
411	Cholecystectomy w c.d.e. w MCC	856	Postoperative or post-traumatic infections w O.R. proc w MCC
412	Cholecystectomy w c.d.e. w CC	857	Postoperative or post-traumatic infections w O.R. proc w CC
413	Cholecystectomy w c.d.e. w/o CC/MCC	858	Postoperative or post-traumatic infections w O.R. proc w/o CC/MCC
414	Cholecystectomy except by laparoscope w/o c.d.e. w MCC	876	O.R. procedure w principal diagnoses of mental illness
415	Cholecystectomy except by laparoscope w/o c.d.e. w CC	901	Wound debridements for injuries w MCC
416	Cholecystectomy except by laparoscope w/o c.d.e. w/o CC/MCC	902	Wound debridements for injuries w CC
417	Laparoscopic cholecystectomy w/o c.d.e. w MCC	903	Wound debridements for injuries w/o CC/MCC
418	Laparoscopic cholecystectomy w/o c.d.e. w CC	904	Skin grafts for injuries w CC/MCC

419	Laparoscopic cholecystectomy w/o c.d.e. w/o CC/MCC	905	Skin grafts for injuries w/o CC/MCC
420	Hepatobiliary diagnostic procedures w MCC	906	Hand procedures for injuries
421	Hepatobiliary diagnostic procedures w CC	907	Other O.R. procedures for injuries w MCC
422	Hepatobiliary diagnostic procedures w/o CC/MCC	908	Other O.R. procedures for injuries w CC
423	Other hepatobiliary or pancreas O.R. procedures w MCC	909	Other O.R. procedures for injuries w/o CC/MCC
424	Other hepatobiliary or pancreas O.R. procedures w CC	927	Extensive burns or full thickness burns w MV 96+ hrs w skin graft
425	Other hepatobiliary or pancreas O.R. procedures w/o CC/MCC	928	Full thickness burn w skin graft or inhal inj w CC/MCC
453	Combined anterior/posterior spinal fusion w MCC	929	Full thickness burn w skin graft or inhal inj w/o CC/MCC
454	Combined anterior/posterior spinal fusion w CC	939	O.R. proc w diagnoses of other contact w health services w MCC
455	Combined anterior/posterior spinal fusion w/o CC/MCC	940	O.R. proc w diagnoses of other contact w health services w CC
456	Spinal Fusion Except Cervical with Spinal Curvature/Malignancy/Infection or Extensive Fusion with MCC	941	O.R. proc w diagnoses of other contact w health services w/o CC/MCC
457	Spinal Fusion Except Cervical with Spinal Curvature/Malignancy/Infection or Extensive Fusion with CC	955	Craniotomy for multiple significant trauma

458	Spinal Fusion Except Cervical with Spinal Curvature/Malignancy/Infection or Extensive Fusion without CC/MCC	956	Limb reattachment, hip & femur proc for multiple significant trauma
459	Spinal fusion except cervical w MCC	957	Other O.R. procedures for multiple significant trauma w MCC
460	Spinal fusion except cervical w/o MCC	958	Other O.R. procedures for multiple significant trauma w CC
461	Bilateral or multiple major joint procs of lower extremity w MCC	959	Other O.R. procedures for multiple significant trauma w/o CC/MCC
462	Bilateral or multiple major joint procs of lower extremity w/o MCC	969	HIV w extensive O.R. procedure w MCC
463	Wnd debrid & skn grft exc hand, for musculo-conn tiss dis w MCC	970	HIV w extensive O.R. procedure w/o MCC
464	Wnd debrid & skn grft exc hand, for musculo-conn tiss dis w CC	981	Extensive O.R. procedure unrelated to principal diagnosis w MCC
465	Wnd debrid & skn grft exc hand, for musculo-conn tiss dis w/o CC/MCC	982	Extensive O.R. procedure unrelated to principal diagnosis w CC
466	Revision of hip or knee replacement w MCC	983	Extensive O.R. procedure unrelated to principal diagnosis w/o CC/MCC
467	Revision of hip or knee replacement w CC	984	Prostatic O.R. procedure unrelated to principal diagnosis w MCC
468	Revision of hip or knee replacement w/o CC/MCC	985	Prostatic O.R. procedure unrelated to principal diagnosis w CC
469	Major joint replacement or reattachment of lower extremity w MCC	986	Prostatic O.R. procedure unrelated to principal diagnosis w/o CC/MCC



470	Major joint replacement or reattachment of lower extremity w/o MCC	987	Non-extensive O.R. proc unrelated to principal diagnosis w MCC
471	Cervical spinal fusion w MCC	988	Non-extensive O.R. proc unrelated to principal diagnosis w CC
472	Cervical spinal fusion w CC	989	Non-extensive O.R. proc unrelated to principal diagnosis w/o CC/MCC
473	Cervical spinal fusion w/o CC/MCC		