

APPENDIX E: Surgical Discharge MS-DRGs

Surgical discharge MS-DRGs: (SURGI2R)

001	Heart transplant or implant of heart assist system with MCC	479	Biopsies of musculoskeletal system and connective tissue without CC/MCC
002	Heart transplant or implant of heart assist system without MCC	480	Hip and femur procedures except major joint with MCC
003	Ecmo or tracheostomy with mv >96 hours or PDX except face mouth and neck with major O.R. procedure	481	Hip and femur procedures except major joint with CC
004	Tracheostomy with mv >96 hours or PDX except face mouth and neck without major O.R. procedure	482	Hip and femur procedures except major joint without CC/MCC
005	Liver transplant with MCC or intestinal transplant	483	Major joint/limb reattachment procedure of upper extremities
006	Liver transplant without MCC	485	Knee procedures with PDX of infection with MCC
007	Lung transplant	486	Knee procedures with PDX of infection with CC
008	Simultaneous pancreas and kidney transplant	487	Knee procedures with PDX of infection without CC/MCC
010	Pancreas transplant	488	Knee procedures without PDX of infection with CC/MCC
011	Tracheostomy for face, mouth & neck diagnoses or laryngectomy w MCC	489	Knee procedures without PDX of infection without CC/MCC
012	Tracheostomy for face, mouth & neck diagnoses or laryngectomy w CC	492	Lower extremity and humerus procedures except hip foot and femur with MCC
013	Tracheostomy for face, mouth & neck diagnoses or laryngectomy w/o CC/MCC	493	Lower extremity and humerus procedures except hip foot and femur with CC
014	Allogeneic bone marrow transplant	494	Lower extremity and humerus procedures except hip foot and femur without CC/MCC
016	Autologous bone marrow transplant w CC/MCC or t-cell immunotherapy	495	Local excision and removal of internal fixation devices except hip and femur with MCC
017	Autologous bone marrow transplant without CC/MCC	496	Local excision and removal of internal fixation devices except hip and femur with CC

020	Intracranial vascular procedures with PDX hemorrhage with MCC	497	Local excision and removal internal fixation devices except hip and femur without CC/MCC
021	Intracranial vascular procedures with PDX hemorrhage with CC	498	Local excision and removal internal fixation devices of hip and femur with CC/MCC
022	Intracranial vascular procedures with PDX hemorrhage without CC/MCC	499	Local excision and removal internal fixation devices of hip and femur without CC/MCC
023	Craniotomy w major device implant or acute complex CNS PDX w MCC or chemotherapy implant or epilepsy w neurostimulator	500	Soft tissue procedures with MCC
024	Craniotomy with major device implant or acute complex CNS PDX without MCC	501	Soft tissue procedures with CC
025	Craniotomy and endovascular intracranial procedures with MCC	502	Soft tissue procedures without CC/MCC
026	Craniotomy and endovascular intracranial procedures with CC	503	Foot procedures with MCC
027	Craniotomy and endovascular intracranial procedures without CC/MCC	504	Foot procedures with CC
028	Spinal procedures with MCC	505	Foot procedures without CC/MCC
029	Spinal procedures with CC or spinal neurostimulators	506	Major thumb or joint procedures
030	Spinal procedures without CC/MCC	507	Major shoulder or elbow joint procedures with CC/MCC
031	Ventricular shunt procedures with MCC	508	Major shoulder or elbow joint procedures without CC/MCC
032	Ventricular shunt procedures with CC	509	Arthroscopy
033	Ventricular shunt procedures without CC/MCC	510	Shoulder elbow or forearm procedures except major joint procedures with MCC
034	Carotid artery stent procedure with MCC	511	Shoulder elbow or forearm procedures except major joint procedures with CC
035	Carotid artery stent procedure with CC	512	Shoulder elbow or forearm procedures except major joint procedures without CC/MCC
036	Carotid artery stent procedure without CC/MCC	513	Hand or wrist procedures except major thumb or joint procedures with CC/MCC

037	Extracranial procedures with MCC	514	Hand or wrist procedures except major thumb or joint procedures without CC/MCC
038	Extracranial procedures with CC	515	Other musculoskeletal system and connective tissue O.R. procedures with MCC
039	Extracranial procedures without CC/MCC	516	Other musculoskeletal system and connective tissue O.R. procedures with CC
040	Peripheral cranial nerve and other nervous system procedures with MCC	517	Other musculoskeletal system and connective tissue O.R. procedures without CC/MCC
041	Peripheral cranial nerve and other nervous system procedures with CC or peripheral neurostimulator	518	Back and neck procedures except spinal fusion with MCC or disc device or neurostimulator
042	Peripheral cranial nerve and other nervous system procedures without CC/MCC	519	Back and neck procedures except spinal fusion with CC
113	Orbital procedures with CC/MCC	520	Back and neck procedures except spinal fusion without CC/MCC
114	Orbital procedures without CC/MCC	570	Skin debridement with MCC
115	Extraocular procedures except orbit	571	Skin debridement with CC
116	Intraocular procedures with CC/MCC	572	Skin debridement without CC/MCC
117	Intraocular procedures without CC/MCC	573	Skin graft for skin ulcer or cellulitis with MCC
129	Major head and neck procedures with CC/MCC or major device	574	Skin graft for skin ulcer or cellulitis with CC
130	Major head and neck procedures without CC/MCC	575	Skin graft for skin ulcer or cellulitis without CC/MCC
131	Cranial and facial procedures with CC/MCC	576	Skin graft except for skin ulcer or cellulitis with MCC
132	Cranial and facial procedures without CC/MCC	577	Skin graft except for skin ulcer or cellulitis with CC
133	Other ear nose mouth and throat O.R. procedures with CC/MCC	578	Skin graft except for skin ulcer or cellulitis without CC/MCC
134	Other ear nose mouth and throat O.R. procedures without CC/MCC	579	Other skin subcutaneous tissue and breast procedures with MCC
135	Sinus and mastoid procedures with CC/MCC	580	Other skin subcutaneous tissue and breast procedures with CC
136	Sinus and mastoid procedures without CC/MCC	581	Other skin subcutaneous tissue and breast procedures without CC/MCC
137	Mouth procedures with CC/MCC	582	Mastectomy for malignancy with CC/MCC

138	Mouth procedures without CC/MCC	583	Mastectomy for malignancy without CC/MCC
139	Salivary gland procedures	584	Breast biopsy local excision and other breast procedures with CC/MCC
163	Major chest procedures with MCC	585	Breast biopsy local excision and other breast procedures without CC/MCC
164	Major chest procedures with CC	614	Adrenal and pituitary procedures with CC/MCC
165	Major chest procedures without CC/MCC	615	Adrenal and pituitary procedures without CC/MCC
166	Other respiratory system O.R. procedures with MCC	616	Amputation of lower limb for endocrine nutritional and metabolic disorders with MCC
167	Other respiratory system O.R. procedures with CC	617	Amputation of lower limb for endocrine nutritional and metabolic disorders with CC
168	Other respiratory system O.R. procedures without CC/MCC	618	Amputation of lower limb for endocrine nutritional and metabolic disorders without CC/MCC
215	Other heart assist system implant	619	O.R. procedures for obesity with MCC
216	Cardiac valve and other major cardiothoracic procedures with cardiac catheterization with MCC	620	O.R. procedures for obesity with CC
217	Cardiac valve and other major cardiothoracic procedures with cardiac catheterization with CC	621	O.R. procedures for obesity without CC/MCC
218	Cardiac valve and other major cardiothoracic procedures with cardiac catheterization without CC/MCC	622	Skin grafts and wound debridement for endocrine nutritional and metabolic disorders with MCC
219	Cardiac valve and other major cardiothoracic procedures without cardiac catheterization with MCC	623	Skin grafts and wound debridement for endocrine nutritional and metabolic disorders with CC
220	Cardiac valve and other major cardiothoracic procedures without cardiac catheterization with CC	624	Skin grafts and wound debridement for endocrine nutritional and metabolic disorders without CC/MCC
221	Cardiac valve and other major cardiothoracic procedures without cardiac catheterization without CC/MCC	625	Thyroid parathyroid and thyroglossal procedures with MCC
222	Cardiac defibrillator implant with cardiac catheterization with AMI/HF/shock with MCC	626	Thyroid parathyroid and thyroglossal procedures with CC

223	Cardiac defibrillator implant with cardiac catheterization with AMI/HF/shock without MCC	627	Thyroid parathyroid and thyroglossal procedures without CC/MCC
224	Cardiac defibrillator implant with cardiac catheterization without AMI/HF/shock with MCC	628	Other endocrine nutritional and metabolic O.R. procedures with MCC
225	Cardiac defibrillator implant with cardiac catheterization without AMI/HF/shock without MCC	629	Other endocrine nutritional and metabolic O.R. procedures with CC
226	Cardiac defibrillator implant without cardiac catheterization with MCC	630	Other endocrine nutritional and metabolic O.R. procedures without CC/MCC
227	Cardiac defibrillator implant without cardiac catheterization without MCC	652	Kidney transplant
228	Other cardiothoracic procedures with MCC	653	Major bladder procedures with MCC
229	Other cardiothoracic procedures without MCC	654	Major bladder procedures with CC
230	Other cardiothoracic procedures without CC/MCC	655	Major bladder procedures without CC/MCC
231	Coronary bypass with PTCA with MCC	656	Kidney and ureter procedures for neoplasm with MCC
232	Coronary bypass with PTCA without MCC	657	Kidney and ureter procedures for neoplasm with CC
233	Coronary bypass with cardiac catheterization with MCC	658	Kidney and ureter procedures for neoplasm without CC/MCC
234	Coronary bypass with cardiac catheterization without MCC	659	Kidney and ureter procedures for non-neoplasm with MCC
235	Coronary bypass without cardiac catheterization with MCC	660	Kidney and ureter procedures for non-neoplasm with CC
236	Coronary bypass without cardiac catheterization without MCC	661	Kidney and ureter procedures for non-neoplasm without CC/MCC
239	Amputation for circulatory system disorders except upper limb and toe with MCC	662	Minor bladder procedures with MCC
240	Amputation for circulatory system disorders except upper limb and toe with CC	663	Minor bladder procedures with CC
241	Amputation for circulatory system disorders except upper limb and toe without CC/MCC	664	Minor bladder procedures without CC/MCC
242	Permanent cardiac pacemaker implant with MCC	665	Prostatectomy with MCC

243	Permanent cardiac pacemaker implant with CC	666	Prostatectomy with CC
244	Permanent cardiac pacemaker implant without CC/MCC	667	Prostatectomy without CC/MCC
245	AICD generator procedures	668	Transurethral procedures with MCC
246	Percutaneous cardiovascular procedures with drug-eluting stent with MCC or 4+ vessels or stents	669	Transurethral procedures with CC
247	Percutaneous cardiovascular procedures with drug-eluting stent without MCC	670	Transurethral procedures without CC/MCC
248	Percutaneous cardiovascular procedures with non-drug-eluting stent with MCC or 4+ vessels or stents	671	Urethral procedures with CC/MCC
249	Percutaneous cardiovascular procedures with non-drug-eluting stent without MCC	672	Urethral procedures without CC/MCC
250	Percutaneous cardiovascular procedures without coronary artery stent with MCC	673	Other kidney and urinary tract procedures with MCC
251	Percutaneous cardiovascular procedures without coronary artery stent without MCC	674	Other kidney and urinary tract procedures with CC
252	Other vascular procedures with MCC	675	Other kidney and urinary tract procedures without CC/MCC
253	Other vascular procedures with CC	707	Major male pelvic procedures with CC/MCC
254	Other vascular procedures without CC/MCC	708	Major male pelvic procedures without CC/MCC
255	Upper limb and toe amputation for circulatory system disorders with MCC	709	Penis procedures with CC/MCC
256	Upper limb and toe amputation for circulatory system disorders with CC	710	Penis procedures without CC/MCC
257	Upper limb and toe amputation for circulatory system disorders without CC/MCC	711	Testes procedures with CC/MCC
258	Cardiac pacemaker device replacement with MCC	712	Testes procedures without CC/MCC
259	Cardiac pacemaker device replacement without MCC	713	Transurethral prostatectomy with CC/MCC
260	Cardiac pacemaker revision except device replacement with MCC	714	Transurethral prostatectomy without CC/MCC

261	Cardiac pacemaker revision except device replacement with CC	715	Other male reproductive system O.R. procedures for malignancy with CC/MCC
262	Cardiac pacemaker revision except device replacement without CC/MCC	716	Other male reproductive system O.R. procedures for malignancy without CC/MCC
263	Vein ligation and stripping	717	Other male reproductive system O.R. procedures except malignancy with CC/MCC
264	Other circulatory system O.R. procedures	718	Other male reproductive system O.R. proc except malignancy without CC/MCC
265	AICD lead procedures	734	Pelvic evisceration radical hysterectomy and radical vulvectomy with CC/MCC
266	Endovascular cardiac valve replacement with MCC	735	Pelvic evisceration radical hysterectomy and radical vulvectomy without CC/MCC
267	Endovascular cardiac valve replacement without MCC	736	Uterine and adnexa procedures for ovarian or adnexal malignancy with MCC
268	Aortic and heart assist procedures except pulsation balloon w MCC	737	Uterine and adnexa procedures for ovarian or adnexal malignancy with CC
269	Aortic and heart assist procedures except pulsation balloon w/o MCC	738	Uterine and adnexa procedures for ovarian or adnexal malignancy without CC/MCC
270	Other major cardiovascular procedures w MCC	739	Uterine adnexa procedures for non-ovarian and non-adnexal malignancy with MCC
271	Other major cardiovascular procedures w CC	740	Uterine adnexa procedures for non-ovarian and non-adnexal malignancy with CC
272	Other major cardiovascular procedures w/o CC/MCC	741	Uterine adnexa procedures for non-ovarian and non-adnexal malignancy without CC/MCC
273	Percutaneous intracardiac procedures w MCC	742	Uterine and adnexa procedures for non-malignancy with CC/MCC
274	Percutaneous intracardiac procedures w/o MCC	743	Uterine and adnexa procedures for non-malignancy without CC/MCC
326	Stomach esophageal and duodenal procedures with MCC	744	D&C conization laparoscopy and tubal interruption with CC/MCC
327	Stomach esophageal and duodenal procedures with CC	745	D&C conization laparoscopy and tubal interruption without CC/MCC

328	Stomach esophageal and duodenal procedures without CC/MCC	746	Vagina cervix and vulva procedures with CC/MCC
329	Major small and large bowel procedures with MCC	747	Vagina cervix and vulva procedures without CC/MCC
330	Major small and large bowel procedures with CC	748	Female reproductive system reconstructive procedures
331	Major small and large bowel procedures without CC/MCC	749	Other female reproductive system O.R. procedures with CC/MCC
332	Rectal resection with MCC	750	Other female reproductive system O.R. procedures without CC/MCC
333	Rectal resection with CC	765	Cesarean section with CC/MCC
334	Rectal resection without CC/MCC	766	Cesarean section without CC/MCC
335	Peritoneal adhesiolysis with MCC	767	Vaginal delivery with sterilization and/or D&C
336	Peritoneal adhesiolysis with CC	768	Vaginal delivery with O.R. procedure except sterilization and/or D&C
337	Peritoneal adhesiolysis without CC/MCC	769	Postpartum and post abortion diagnoses with O.R. procedure
338	Appendectomy with complicated principal diagnosis with MCC	770	Abortion with D&C aspiration curettage or hysterotomy
339	Appendectomy with complicated principal diagnosis with CC	783	Cesarean section w sterilization w MCC
340	Appendectomy with complicated principal diagnosis without CC/MCC	784	Cesarean section w sterilization w CC
341	Appendectomy without complicated principal diagnosis with MCC	785	Cesarean section w sterilization w/o CC/MCC
342	Appendectomy without complicated principal diagnosis with CC	786	Cesarean section w/o sterilization w MCC
343	Appendectomy without complicated principal diagnosis without CC/MCC	787	Cesarean section w/o sterilization w CC
344	Minor small and large bowel procedures with MCC	788	Cesarean section w/o sterilization w/o CC/MCC
345	Minor small and large bowel procedures with CC	796	Vaginal delivery w sterilization/D&C w MCC
346	Minor small and large bowel procedures without CC/MCC	797	Vaginal delivery w sterilization/D&C w CC
347	Anal and stomal procedures with MCC	798	Vaginal delivery w sterilization/D&C wo CC/MCC
348	Anal and stomal procedures with CC	799	Splenectomy with MCC
349	Anal and stomal procedures without CC/MCC	800	Splenectomy with CC
350	Inguinal and femoral hernia procedures with MCC	801	Splenectomy without CC/MCC

351	Inguinal and femoral hernia procedures with CC	802	Other O.R. procedures of the blood and blood forming organs with MCC
352	Inguinal and femoral hernia procedures without CC/MCC	803	Other O.R. procedures of the blood and blood forming organs with CC
353	Hernia procedures except inguinal and femoral with MCC	804	Other O.R. procedures of the blood and blood forming organs without CC/MCC
354	Hernia procedures except inguinal and femoral with CC	817	Other antepartum diagnoses w O.R. procedure w MCC
355	Hernia procedures except inguinal and femoral without CC/MCC	818	Other antepartum diagnoses w O.R. procedure w CC
356	Other digestive system O.R. procedures with MCC	819	Other antepartum diagnoses w O.R. procedure w/o CC/MCC
357	Other digestive system O.R. procedures with CC	820	Lymphoma and leukemia with major O.R. procedure with MCC
358	Other digestive system O.R. procedures without CC/MCC	821	Lymphoma and leukemia with major O.R. procedure with CC
405	Pancreas liver and shunt procedures with MCC	822	Lymphoma and leukemia with major O.R. procedure without CC/MCC
406	Pancreas liver and shunt procedures with CC	823	Lymphoma and non-acute leukemia with other O.R. procedure with MCC
407	Pancreas liver and shunt procedures without CC/MCC	824	Lymphoma and non-acute leukemia with other O.R. procedure with CC
408	Biliary tract procedure except only cholecystectomy with or without C.D.E. with MCC	825	Lymphoma and non-acute leukemia with other O.R. procedure without CC/MCC
409	Biliary tract procedure except only cholecystectomy with or without C.D.E. with CC	826	Myeloproliferative disorders or poorly differentiated neoplasms with major O.R. procedure with MCC
410	Biliary tract proc except only cholecyst with or without C.D.E. without CC/MCC	827	Myeloproliferative disorders or poorly differentiated neoplasms with major O.R. procedure with CC
411	Cholecystectomy with C.D.E. with MCC	828	Myeloproliferative disorders or poorly differentiated neoplasms with major O.R. procedure without CC/MCC
412	Cholecystectomy with C.D.E. with CC	829	Myeloproliferative disorders or poorly differentiated neoplasms with other O.R. procedure with CC/MCC
413	Cholecystectomy with C.D.E. without CC/MCC	830	Myeloproliferative disorders or poorly differentiated neoplasms with other O.R. procedure without CC/MCC
414	Cholecystectomy except by laparoscope without C.D.E. with MCC	853	Infectious and parasitic diseases with O.R. procedure with MCC

415	Cholecystectomy except by laparoscope without C.D.E. with CC	854	Infectious and parasitic diseases with O.R. procedure with CC
416	Cholecystectomy except by laparoscope without C.D.E. without CC/MCC	855	Infectious and parasitic diseases with O.R. procedure without CC/MCC
417	Laparoscopic cholecystectomy without C.D.E. with MCC	856	Postoperative or post-traumatic infections with O.R. procedure with MCC
418	Laparoscopic cholecystectomy without C.D.E. with CC	857	Postoperative or post-traumatic infections with O.R. procedure with CC
419	Laparoscopic cholecystectomy without C.D.E. without CC/MCC	858	Postoperative or post-traumatic infections with O.R. procedure without CC/MCC
420	Hepatobiliary diagnostic procedures with MCC	876	O.R. procedure with principal diagnoses of mental illness
421	Hepatobiliary diagnostic procedures with CC	901	Wound debridements for injuries with MCC
422	Hepatobiliary diagnostic procedures without CC/MCC	902	Wound debridements for injuries with CC
423	Other hepatobiliary or pancreas O.R. procedures with MCC	903	Wound debridements for injuries without CC/MCC
424	Other hepatobiliary or pancreas O.R. procedures with CC	904	Skin grafts for injuries with CC/MCC
425	Other hepatobiliary or pancreas O.R. procedures without CC/MCC	905	Skin grafts for injuries without CC/MCC
453	Combined anterior/posterior spinal fusion with MCC	906	Hand procedures for injuries
454	Combined anterior/posterior spinal fusion with CC	907	Other O.R. procedures for injuries with MCC
455	Combined anterior/posterior spinal fusion without CC/MCC	908	Other O.R. procedures for injuries with CC
456	Spinal fusion except cervical with spinal curvature or malignancy or infection or extensive fusions with MCC	909	Other O.R. procedures for injuries without CC/MCC
457	Spinal fusion except cervical with spinal curvature or malignancy or infection or extensive fusions with CC	927	Extensive burns or full thickness burns with mv >96 hours with skin graft
458	Spinal fusion except cervical with spinal curvature or malignancy or infection or extensive fusions without CC/MCC	928	Full thickness burn with skin graft or inhalation injury with CC/MCC

459	Spinal fusion except cervical with MCC	929	Full thickness burn with skin graft or inhalation injury without CC/MCC
460	Spinal fusion except cervical without MCC	939	O.R. procedures with diagnoses of other contact with health services with MCC
461	Bilateral or multiple major joint procedures of lower extremity with MCC	940	O.R. procedures with diagnoses of other contact with health services with CC
462	Bilateral or multiple major joint procedures of lower extremity without MCC	941	O.R. procedures with diagnoses of other contact with health services without CC/MCC
463	Wound debridement and skin graft except hand for musculoskeletal system and connective tissue disorder with MCC	955	Craniotomy for multiple significant trauma
464	Wound debridement and skin graft except hand for musculoskeletal system and connective tissue disorder with CC	956	Limb reattachment hip and femur proc for multiple significant trauma
465	Wound debridement and skin graft except hand for musculoskeletal system and connective tissue disorder without CC/MCC	957	Other O.R. procedures for multiple significant trauma with MCC
466	Revision of hip or knee replacement with MCC	958	Other O.R. procedures for multiple significant trauma with CC
467	Revision of hip or knee replacement with CC	959	Other O.R. procedures for multiple significant trauma without CC/MCC
468	Revision of hip or knee replacement without CC/MCC	969	HIV with extensive O.R. procedure with MCC
469	Major joint replacement or reattachment of lower extremity with MCC or total ankle replacement	970	HIV with extensive O.R. procedure without MCC
470	Major joint replacement or reattachment of lower extremity without MCC	981	Extensive O.R. procedure unrelated to principal diagnosis with MCC
471	Cervical spinal fusion with MCC	982	Extensive O.R. procedure unrelated to principal diagnosis with CC
472	Cervical spinal fusion with CC	983	Extensive O.R. procedure unrelated to principal diagnosis without CC/MCC
473	Cervical spinal fusion without CC/MCC	984	Prostatic O.R. procedure unrelated to principal diagnosis with MCC

474	Amputation for musculoskeletal system and connective tissue disorders with MCC	985	Prostatic O.R. procedure unrelated to principal diagnosis with CC
475	Amputation for musculoskeletal system and connective tissue disorders with CC	986	Prostatic O.R. procedure unrelated to principal diagnosis without CC/MCC
476	Amputation for musculoskeletal system and connective tissue disorders without CC/MCC	987	Non-extensive O.R. proc unrelated to principal diagnosis with MCC
477	Biopsies of musculoskeletal system and connective tissue with MCC	988	Non-extensive O.R. proc unrelated to principal diagnosis with CC
478	Biopsies of musculoskeletal system and connective tissue with CC	989	Non-extensive O.R. procedure unrelated to principal diagnosis without CC/MCC