

**TABLE 13A.—COMPOSITION OF LOW-VOLUME QUINTILES
FOR MS-LTC-DRGs—FY 2012**

MS-LTC-DRG	MS-LTC-DRG Description (Version 29.0)
Quintile 1	
060	Multiple sclerosis & cerebellar ataxia w/o CC/MCC
068	Nonspecific cva & precerebral occlusion w/o infarct w/o MCC
081	Nontraumatic stupor & coma w/o MCC
087	Traumatic stupor & coma, coma <1 hr w/o CC/MCC
090	Concussion w/o CC/MCC
093	Other disorders of nervous system w/o CC/MCC
099	Non-bacterial infect of nervous sys exc viral meningitis w/o CC/MCC
101	Seizures w/o MCC
103	Headaches w/o MCC
148	Ear, nose, mouth & throat malignancy w/o CC/MCC
149	Dysequilibrium
156	Nasal trauma & deformity w/o CC/MCC
182	Respiratory neoplasms w/o CC/MCC
185	Major chest trauma w/o CC/MCC
198	Interstitial lung disease w/o CC/MCC
201	Pneumothorax w/o CC/MCC
203	Bronchitis & asthma w/o CC/MCC
248	Percutaneous cardiovasc proc w non-drug-eluting stent w MCC
282	Circulatory disorders w AMI, discharged alive w/o CC/MCC
305	Hypertension w/o MCC
373	Major gastrointestinal disorders & peritoneal infections w/o CC/MCC
376	Digestive malignancy w/o CC/MCC
379	G.I. hemorrhage w/o CC/MCC
387	Inflammatory bowel disease w/o CC/MCC
390	G.I. obstruction w/o CC/MCC
395	Other digestive system diagnoses w/o CC/MCC
433	Cirrhosis & alcoholic hepatitis w CC
440	Disorders of pancreas except malignancy w/o CC/MCC
446	Disorders of the biliary tract w/o CC/MCC
517	Other musculoskelet sys & conn tiss O.R. proc w/o CC/MCC
534	Fractures of femur w/o MCC
536	Fractures of hip & pelvis w/o MCC
547	Connective tissue disorders w/o CC/MCC
554	Bone diseases & arthropathies w/o MCC
556	Signs & symptoms of musculoskeletal system & conn tissue w/o MCC
639	Diabetes w/o CC/MCC
642	Inborn errors of metabolism
645	Endocrine disorders w/o CC/MCC
694	Urinary stones w/ot esw lithotripsy w/o MCC
696	Kidney & urinary tract signs & symptoms w/o MCC
700	Other kidney & urinary tract diagnoses w/o CC/MCC
707	Major male pelvic procedures w CC/MCC
726	Benign prostatic hypertrophy w/o MCC
730	Other male reproductive system diagnoses w/o CC/MCC
759	Infections, female reproductive system w/o CC/MCC
760	Menstrual & other female reproductive system disorders w CC/MCC
781	Other antepartum diagnoses w medical complications

MS-LTC-DRG	MS-LTC-DRG Description (Version 29.0)
830	Myeloprolif disord or poorly diff neopl w other O.R. proc w/o CC/MCC
876	O.R. procedure w principal diagnoses of mental illness
880	Acute adjustment reaction & psychosocial dysfunction
881	Depressive neuroses
886	Behavioral & developmental disorders
894	Alcohol/drug abuse or dependence, left ama
948	Signs & symptoms w/o MCC
976	HIV w major related condition w/o CC/MCC
Quintile 2	
055	Nervous system neoplasms w/o MCC
059	Multiple sclerosis & cerebellar ataxia w CC
066	Intracranial hemorrhage or cerebral infarction w/o CC/MCC
072	Nonspecific cerebrovascular disorders w/o CC/MCC
096	Bacterial & tuberculous infections of nervous system w/o CC/MCC
122	Acute major eye infections w/o CC/MCC
124	Other disorders of the eye w MCC
133	Other ear, nose, mouth & throat O.R. procedures w CC/MCC
135	Sinus & mastoid procedures w CC/MCC
183	Major chest trauma w MCC
188	Pleural effusion w/o CC/MCC
234	Coronary bypass w cardiac cath w/o MCC
241	Amputation for circ sys disorders exc upper limb & toe w/o CC/MCC
284	Circulatory disorders w AMI, expired w CC
287	Circulatory disorders except AMI, w card cath w/o MCC
294	Deep vein thrombophlebitis w CC/MCC
303	Atherosclerosis w/o MCC
310	Cardiac arrhythmia & conduction disorders w/o CC/MCC
327	Stomach, esophageal & duodenal proc w CC
369	Major esophageal disorders w CC
381	Complicated peptic ulcer w CC
384	Uncomplicated peptic ulcer w/o MCC
436	Malignancy of hepatobiliary system or pancreas w CC
443	Disorders of liver except malig,cirr,alc hepa w/o CC/MCC
488	Knee procedures w/o pdx of infection w CC/MCC
497	Local excision & removal int fix devices exc hip & femur w/o CC/MCC
505	Foot procedures w/o CC/MCC
509	Arthroscopy
533	Fractures of femur w MCC
544	Pathological fractures & musculoskelet & conn tiss malig w/o CC/MCC
553	Bone diseases & arthropathies w MCC
562	Fx, sprn, strn & disl except femur, hip, pelvis & thigh w MCC
563	Fx, sprn, strn & disl except femur, hip, pelvis & thigh w/o MCC
566	Other musculoskeletal sys & connective tissue diagnoses w/o CC/MCC
578	Skin graft &/or debrid exc for skin ulcer or cellulitis w/o CC/MCC
581	Other skin, subcut tiss & breast proc w/o CC/MCC
620	O.R. procedures for obesity w CC
624	Skin grafts & wound debrid for endoc, nutrit & metab dis w/o CC/MCC
644	Endocrine disorders w CC
663	Minor bladder procedures w CC
709	Penis procedures w CC/MCC
722	Malignancy, male reproductive system w MCC

MS-LTC-DRG	MS-LTC-DRG Description (Version 29.0)
746	Vagina, cervix & vulva procedures w CC/MCC
755	Malignancy, female reproductive system w CC
815	Reticuloendothelial & immunity disorders w CC
836	Acute leukemia w/o major O.R. procedure w/o CC/MCC
842	Lymphoma & non-acute leukemia w/o CC/MCC
844	Other myeloprolif dis or poorly diff neopl diag w CC
864	Fever of unknown origin
869	Other infectious & parasitic diseases diagnoses w/o CC/MCC
895	Alcohol/drug abuse or dependence w rehabilitation therapy
918	Poisoning & toxic effects of drugs w/o MCC
941	O.R. proc w diagnoses of other contact w health services w/o CC/MCC
983	Extensive O.R. procedure unrelated to principal diagnosis w/o CC/MCC
989	Non-extensive O.R. proc unrelated to principal diagnosis w/o CC/MCC
Quintile 3	
023	Craniotomy w major device implant or acute complex CNS PDX w MCC
032	Ventricular shunt procedures w CC
034	Carotid artery stent procedure w MCC
058	Multiple sclerosis & cerebellar ataxia w MCC
069	Transient ischemia
075	Viral meningitis w CC/MCC
078	Hypertensive encephalopathy w CC
098	Non-bacterial infect of nervous sys exc viral meningitis w CC
115	Extraocular procedures except orbit
121	Acute major eye infections w CC/MCC
125	Other disorders of the eye w/o MCC
147	Ear, nose, mouth & throat malignancy w CC
153	Otitis media & URI w/o MCC
257	Upper limb & toe amputation for circ system disorders w/o CC/MCC
260	Cardiac pacemaker revision except device replacement w MCC
304	Hypertension w MCC
312	Syncope & collapse
348	Anal & stomal procedures w CC
358	Other digestive system O.R. procedures w/o CC/MCC
386	Inflammatory bowel disease w CC
465	Wnd debrid & skn grft exc hand, for musculo-conn tiss dis w/o CC/MCC
472	Cervical spinal fusion w CC
476	Amputation for musculoskeletal sys & conn tissue dis w/o CC/MCC
502	Soft tissue procedures w/o CC/MCC
504	Foot procedures w CC
535	Fractures of hip & pelvis w MCC
555	Signs & symptoms of musculoskeletal system & conn tissue w MCC
582	Mastectomy for malignancy w CC/MCC
584	Breast biopsy, local excision & other breast procedures w CC/MCC
597	Malignant breast disorders w MCC
598	Malignant breast disorders w CC
600	Non-malignant breast disorders w CC/MCC
618	Amputat of lower limb for endocrine,nutrit,& metabol dis w/o CC/MCC
668	Transurethral procedures w MCC
669	Transurethral procedures w CC
685	Admit for renal dialysis
686	Kidney & urinary tract neoplasms w MCC

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687	Kidney & urinary tract neoplasms w CC
691	Urinary stones w esw lithotripsy w CC/MCC
711	Testes procedures w CC/MCC
723	Malignancy, male reproductive system w CC
749	Other female reproductive system O.R. procedures w CC/MCC
776	Postpartum & post abortion diagnoses w/o O.R. procedure
809	Major hematomol/immun diag exc sickle cell crisis & coagul w CC
835	Acute leukemia w/o major O.R. procedure w CC
843	Other myeloprolif dis or poorly diff neopl diag w MCC
858	Postoperative or post-traumatic infections w O.R. proc w/o CC/MCC
866	Viral illness w/o MCC
882	Neuroses except depressive
883	Disorders of personality & impulse control
903	Wound debridements for injuries w/o CC/MCC
905	Skin grafts for injuries w/o CC/MCC
909	Other O.R. procedures for injuries w/o CC/MCC
917	Poisoning & toxic effects of drugs w MCC
923	Other injury, poisoning & toxic effect diag w/o MCC
933	Extensive burns or full thickness burns w MV 96+ hrs w/o skin graft
Quintile 4	
025	Craniotomy & endovascular intracranial procedures w MCC
029	Spinal procedures w CC
038	Extracranial procedures w CC
067	Nonspecific cva & precerebral occlusion w/o infarct w MCC
077	Hypertensive encephalopathy w MCC
080	Nontraumatic stupor & coma w MCC
082	Traumatic stupor & coma, coma >1 hr w MCC
083	Traumatic stupor & coma, coma >1 hr w CC
159	Dental & Oral Diseases w/o CC/MCC
164	Major chest procedures w CC
237	Major cardiovascular procedures w MCC
238	Major cardiovascular procedures w/o MCC
242	Permanent cardiac pacemaker implant w MCC
243	Permanent cardiac pacemaker implant w CC
250	Perc cardiovasc proc w/o coronary artery stent or AMI w MCC
254	Other vascular procedures w/o CC/MCC
311	Angina pectoris
330	Major small & large bowel procedures w CC
383	Uncomplicated peptic ulcer w MCC
406	Pancreas, liver & shunt procedures w CC
417	Laparoscopic cholecystectomy w/o c.d.e. w MCC
423	Other hepatobiliary or pancreas O.R. procedures w MCC
424	Other hepatobiliary or pancreas O.R. procedures w CC
471	Cervical spinal fusion w MCC
478	Biopsies of musculoskeletal system & connective tissue w CC
483	Major joint & limb reattachment proc of upper extremity w CC/MCC
486	Knee procedures w pdx of infection w CC
493	Lower extrem & humer proc except hip,foot,femur w CC
494	Lower extrem & humer proc except hip,foot,femur w/o CC/MCC
498	Local excision & removal int fix devices of hip & femur w CC/MCC
507	Major shoulder or elbow joint procedures w CC/MCC

MS-LTC-DRG	MS-LTC-DRG Description (Version 29.0)
510	Shoulder,elbow or forearm proc,exc major joint proc w MCC
513	Hand or wrist proc, except major thumb or joint proc w CC/MCC
516	Other musculoskelet sys & conn tiss O.R. proc w CC
537	Sprains, strains, & dislocations of hip, pelvis & thigh w CC/MCC
575	Skin graft &/or debrid for skn ulcer or cellulitis w/o CC/MCC
577	Skin graft &/or debrid exc for skin ulcer or cellulitis w CC
630	Other endocrine, nutrit & metab O.R. proc w/o CC/MCC
653	Major bladder procedures w MCC
656	Kidney & ureter procedures for neoplasm w MCC
659	Kidney & ureter procedures for non-neoplasm w MCC
660	Kidney & ureter procedures for non-neoplasm w CC
662	Minor bladder procedures w MCC
665	Prostatectomy w MCC
675	Other kidney & urinary tract procedures w/o CC/MCC
693	Urinary stones w/o esw lithotripsy w MCC
802	Other O.R. proc of the blood & blood forming organs w MCC
810	Major hematol/immun diag exc sickle cell crisis & coagul w/o CC/MCC
824	Lymphoma & non-acute leukemia w other O.R. proc w CC
855	Infectious & parasitic diseases w O.R. procedure w/o CC/MCC
922	Other injury, poisoning & toxic effect diag w MCC
928	Full thickness burn w skin graft or inhal inj w CC/MCC
963	Other multiple significant trauma w MCC
964	Other multiple significant trauma w CC
985	Prostatic O.R. procedure unrelated to principal diagnosis w CC
Quintile 5	
011	Tracheostomy for face,mouth & neck diagnoses w MCC
028	Spinal procedures w MCC
031	Ventricular shunt procedures w MCC
037	Extracranial procedures w MCC
053	Spinal disorders & injuries w/o CC/MCC
165	Major chest procedures w/o CC/MCC
168	Other resp system O.R. procedures w/o CC/MCC
226	Cardiac defibrillator implant w/o cardiac cath w MCC
227	Cardiac defibrillator implant w/o cardiac cath w/o MCC
245	AICD generator procedures
246	Percutaneous cardiovascular proc w drug-eluting stent w MCC
251	Perc cardiovasc proc w/o coronary artery stent or AMI w/o MCC
258	Cardiac pacemaker device replacement w MCC
259	Cardiac pacemaker device replacement w/o MCC
261	Cardiac pacemaker revision except device replacement w CC
286	Circulatory disorders except AMI, w card cath w MCC
326	Stomach, esophageal & duodenal proc w MCC
332	Rectal resection w MCC
335	Peritoneal adhesiolysis w MCC
336	Peritoneal adhesiolysis w CC
338	Appendectomy w complicated principal diag w MCC
344	Minor small & large bowel procedures w MCC
347	Anal & stomal procedures w MCC
353	Hernia procedures except inguinal & femoral w MCC
405	Pancreas, liver & shunt procedures w MCC
408	Biliary tract proc except only cholecyst w or w/o c.d.e. w MCC

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414	Cholecystectomy except by laparoscope w/o c.d.e. w MCC
453	Combined anterior/posterior spinal fusion w MCC
454	Combined anterior/posterior spinal fusion w CC
459	Spinal fusion except cervical w MCC
460	Spinal fusion except cervical w/o MCC
466	Revision of hip or knee replacement w MCC
467	Revision of hip or knee replacement w CC
468	Revision of hip or knee replacement w/o CC/MCC
469	Major joint replacement or reattachment of lower extremity w MCC
470	Major joint replacement or reattachment of lower extremity w/o MCC
480	Hip & femur procedures except major joint w MCC
481	Hip & femur procedures except major joint w CC
485	Knee procedures w pdx of infection w MCC
490	Back & neck procedures except spinal fusion w CC/MCC or disc devices
492	Lower extrem & humer proc except hip,foot,femur w MCC
576	Skin graft &/or debrid exc for skin ulcer or cellulitis w MCC
619	O.R. procedures for obesity w MCC
671	Urethral procedures w CC/MCC
695	Kidney & urinary tract signs & symptoms w MCC
713	Transurethral prostatectomy w CC/MCC
717	Other male reproductive system O.R. proc exc malignancy w CC/MCC
799	Splenectomy w MCC
803	Other O.R. proc of the blood & blood forming organs w CC
823	Lymphoma & non-acute leukemia w other O.R. proc w MCC
827	Myeloprolif disord or poorly diff neopl w maj O.R. proc w CC
829	Myeloprolif disord or poorly diff neopl w other O.R. proc w CC/MCC
906	Hand procedures for injuries
958	Other O.R. procedures for multiple significant trauma w CC
969	HIV w extensive O.R. procedure w MCC
984	Prostatic O.R. procedure unrelated to principal diagnosis w MCC

* Initial composition of low-volume quintiles prior to adjusting for nonmonotonicity (as discussed in step 6 in section VII.B.3.g. of the preamble of the FY 2012 IPPS/LTCH PPS final rule). Any adjustments to the low-volume quintile assignments to address nonmonotonicity are identified in Table 11, which is listed in section VI. of the Addendum to the FY 2012 IPPS/LTCH PPS final rule and available via the Internet.