



Prevention Quality Indicators Technical Specifications Appendices

AHRQ Quality Indicators, Version 4.3, August 2011

Prepared for:

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Version 4.3a is a maintenance release of Version 4.3. The differences between the two versions are:

- Version 4.3a includes Version 29 of the Limited License edition of the 3M™ APR-DRG Grouper. This grouper corrects an issue found in Version 28 of the Limited License edition of the 3M™ APR-DRG Grouper. The grouper is only used with the Inpatient Quality Indicator (IQI) mortality measures. Version 4.3 includes Version 28 of the Limited License edition of the 3M™ APR-DRG Grouper, which was incorrectly assigning a Risk of Mortality (ROM) subclass for cases dated on or after 10/1/10.
- Version 4.3a allows users to calculate area-level indicators for years 2010 and 2011, correcting an issue previously identified in Version 4.3.

All other aspects of the software, including measure specifications, remain the same. Thus this document (related to Version 4.3) remains unchanged.

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Appendix A – Admission Codes for Transfers

SID ASOURCE Codes

- 2 - Another hospital
- 3 - Another facility, including long-term care

POINTOFORIGINUB04 Codes

- 4 - Transfer from a hospital
- 5 - Transfer from a Skilled Nursing Facility (SNF) or Intermediate Care Facility (ICF)
- 6 - Transfer from another health care facility

If Admission Type is newborn (ATYPE=4), POINTOFORIGINUB04 codes are as follows:

- 5 - Born inside this hospital
- 6 - Born outside of this hospital

Appendix B – Cardiac Procedure Codes

ICD-9-CM Cardiac procedure codes:

0050	IMPL CRT PACEMAKER SYS (OCT02)	3582	TOTAL REPAIR OF TAPVC
0051	IMPL CRT DEFIBRILLAT (OCT02)	3583	TOT REP TRUNCUS ARTERIOS
0052	IMP/REP LEAD LF VEN SYS (OCT02)	3584	TOT COR TRANSPOS GRT VES
0053	IMP/REP CRT PACEMKR GEN (OCT02)	3591	INTERAT VEN RETRN TRANSP
0054	IMP/REP CRT DEFIB GENAT (OCT02)	3592	CONDUIT RT VENT-PUL ART
0056	INS/REP IMPL SENSOR LEAD (OCT06)	3593	CONDUIT LEFT VENTR-AORTA
0057	IMP/REP SUBCUE CARD DEV (OCT06)	3594	CONDUIT ARTIUM-PULM ART
0066	PTCA (OCT06)	3595	HEART REPAIR REVISION
1751	IMPLANTATION OF RECHARGEABLE CARDIAC CONTRACTILITY MODULATION	3596	PERC HEART VALVULOPLASTY
	[CCM], TOTAL SYSTEM (OCT09)	3597	PERC MTRL VLV REPR W IMP
1752	IMPLANTATION OR REPLACEMENT OF CARDIAC CONTRACTILITY MODULATION	3598	OTHER HEART SEPTA OPS
	[CCM] RECHARGEABLE PULSE	3599	OTHER HEART VALVE OPS
	GENERATOR ONLY (OCT09)	3601	PTCA-1 VESSEL W/O AGENT
3500	CLOSED VALVOTOMY NOS	3602	PTCA-1 VESSEL WITH AGNT
3501	CLOSED AORTIC VALVOTOMY	3603	OPEN CORONRY ANGIOPLASTY
3502	CLOSED MITRAL VALVOTOMY	3604	INTRCORONRY THROMB INFUS
3503	CLOSED PULMON VALVOTOMY	3605	PTCA-MULTIPLE VESSEL
3504	CLOSED TRICUSP VALVOTOMY	3606	INSERT OF COR ART STENT (OCT95)
3510	OPEN VALVULOPLASTY NOS	3607	INS DRUG-ELUT CORONRY ST (OCT02)
3511	OPN AORTIC VALVULOPLASTY	3609	REM OF COR ART OBSTR NEC
3512	OPN MITRAL VALVULOPLASTY	3610	AORTOCORONARY BYPASS NOS
3513	OPN PULMON VALVULOPLASTY	3611	AORTOCOR BYPAS-1 COR ART
3514	OPN TRICUS VALVULOPLASTY	3612	AORTOCOR BYPAS-2 COR ART
3520	REPLACE HEART VALVE NOS	3613	AORTOCOR BYPAS-3 COR ART
3521	REPLACE AORT VALV-TISSUE	3614	AORTCOR BYPAS-4+ COR ART
3522	REPLACE AORTIC VALVE NEC	3615	1 INT MAM-COR ART BYPASS
3523	REPLACE MITR VALV-TISSUE	3616	2 INT MAM-COR ART BYPASS
3524	REPLACE MITRAL VALVE NEC	3617	ABD-CORON ART BYPASS (OCT96)
3525	REPLACE PULM VALV-TISSUE	3619	HRT REVAS BYPS ANAS NEC
3526	REPLACE PULMON VALVE NEC	362	ARTERIAL IMPLANT REVASC
3527	REPLACE TRIC VALV-TISSUE	363	OTH HEART REVASCULAR
3528	REPLACE TRICUSP VALV NEC	3631	OPEN CHEST TRANS REVASC
3531	PAPILLARY MUSCLE OPS	3632	OTH TRANSMYO REVASCULAR
3532	CHORDAE TENDINEAE OPS	3633	ENDO TRANSMYO REVASCULAR (OCT06)
3533	ANNULOPLASTY	3634	PERC TRANSMYO REVASCULAR (OCT06)
3534	INFUNDIBULECTOMY	3639	OTH HEART REVASULAR
3535	TRABECUL CARNEAE CORD OP	3691	CORON VESS ANEURYSM REP
3539	TISS ADJ TO VALV OPS NEC	3699	HEART VESSLE OP NEC
3541	ENLARGE EXISTING SEP DEF	3731	PERICARDIECTOMY
3542	CREATE SEPTAL DEFECT	3732	HEART ANEURYSM EXCISION
3550	PROSTH REP HRT SEPTA NOS	3733	EXC/DEST HRT LESION OPEN
3551	PROS REP ATRIAL DEF-OPN	3734	EXC/DEST HRT LES OTHER
3552	PROS REPAIR ATRIA DEF-CL	3735	PARTIAL VENTRICLECTOMY
3553	PROST REPAIR VENTRIC DEF	3736	EXCISION OR DESTRUCTION OF LEFT ATRIAL APPENDAGE (LAA) (OCT08)
3554	PROS REP ENDOCAR CUSHION	3737	EXC/DEST HRT LES, THRSPC
3555	PROS REP VENTRC DEF-CLOS (OCT06)	3741	IMPLANT PROSTH CARD SUPPORT DEV (OCT06)
3560	GRFT REPAIR HRT SEPT NOS	375	HEART TRANSPLANTATION (NOT VALID AFTER OCT03)
3561	GRAFT REPAIR ATRIAL DEF	3751	HEART TRANPLANTATION (OCT03)
3562	GRAFT REPAIR VENTRIC DEF	3752	IMPLANT TOT REP HRT SYS (OCT03)
3563	GRFT REP ENDOCAR CUSHION	3753	REPL/REP THORAC UNIT HRT (OCT03)
3570	HEART SEPTA REPAIR NOS	3754	REPL/REP OTH TOT HRT SYS (OCT03)
3571	ATRIA SEPTA DEF REP NEC	3755	REMOVAL OF INTERNAL BIVENTRICULAR HEART REPLACEMENT SYSTEM (OCT08)
3572	VENTR SEPTA DEF REP NEC		
3573	ENDOCAR CUSHION REP NEC		
3581	TOT REPAIR TETRAL FALLOT		

**AHRQ QI, Prevention Quality Indicators, Technical Specifications,
Appendix B – Cardiac Procedure Codes
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3760 IMPLANTATION OR INSERTION OF
BIVENTRICULAR EXTERNAL HEART
ASSIST SYSTEM (OCT08)
3761 IMPLANT OF PULSATION BALLOON
3762 INSERTION OF NON-IMPLANTABLE
HEART ASSIST SYSTEM
3763 REPAIR OF HEART ASSIST SYSTEM
3764 REMOVAL OF HEART ASSIST SYSTEM
3765 IMPLANT OF EXTERNAL HEART ASSIST
SYSTEM
3766 INSERTION OF IMPLANTABLE HEART
ASSIST SYSTEM
3770 INT INSERT PACEMAK LEAD
3771 INT INSERT LEAD IN VENT
3772 INT INSERT LEAD ATRI-VENT
3773 INT INSER LEAD IN ATRIUM
3774 INT OR REPL LEAD EPICAR
3775 REVISION OF LEAD
3776 REPL TV ATRI-VENT LEAD
3777 REMOVAL OF LEAD W/O REPL
3778 INSER TEAM PACEMAKER SYS
3779 REVIS OR RELOCATE POCKET
3780 INT OR REPL PERM PACEMKR
3781 INT INSERT 1-CHAM, NON
3782 INT INSERT 1-CHAM, RATE
3783 INT INSERT DUAL-CHAM DEV
3785 REPL PACEM W 1-CHAM, NON
3786 REPL PACEM 1-CHAM, RATE
3787 REPL PACEM W DUAL-CHAM
3789 REVISE OR REMOVE PACEMAK
3794 IMPLT/REPL CARDDEFIB TOT
3795 IMPLT CARDIODEFIB LEADS
3796 IMPLT CARDIODEFIB GENATR
3797 REPL CARDIODEFIB LEADS
3798 REPL CARDIODEFIB GENRATR

Appendix C – Immunocompromised State

ICD-9-CM Immunocompromised state diagnosis codes:

042	HUMAN IMMUNODEFICIENCY VIRUS DISEASE	28802	CYCLIC NEUTROPENIA (OCT06)
1363	PNEUMOCYSTOSIS	28803	DRUG INDUCED NEUTROPENIA (OCT06)
1992	MALIGNANT NEOPLASM ASSOCIATED WITH TRANSPLANTED ORGAN (OCT08)	28809	NEUTROPENIA NEC (OCT06)
23873	HI GRDE MYELOYDYS SYN LES (OCT06)	2882	GENETIC ANOMALY LEUKOCYT (OCT06)
23876	MYELOFI W MYELO METAPLAS (OCT06)	2884	HEMOPHAGOCYTIC SYNDROMES (OCT06)
23877	NEOPLASM OF UNCERTAIN BEHAVIOR, POST-TRANSPLANT LYMPHOPROLIFERATIVE DISORDER (PTLD) (OCT08)	28850	LEUKOCYTOPENIA NOS (OCT06)
23879	NEOPLASM OF UNCERTAIN BEHAVIOR, OTHER LYMPHATIC AND HEMATOPOIETIC TISSUES (OCT08)	28851	LYMPHOCYTOPENIA (OCT06)
260	KWASHIORKOR (OCT05)	28859	DECREASED WBC COUNT NEC (OCT06)
261	NUTRITIONAL MARASMUS (OCT05)	28953	NEUTROPENIC SPLENOMEGALY (OCT06)
262	OTH SEVERE MALNUTRITION (OCT05)	28983	MYELOFIBROSIS (OCT06)
27900	HYPOGAMMAGLOBULINEM NOS	40301	MAL HYP KIDNEY W CHR KID (OCT06)
27901	SELECTIVE IGA IMMUNODEF	40311	BEN HYP KIDNEY W CHR KID (OCT06)
27902	SELECTIVE IGM IMMUNODEF	40391	HYP KIDNEY NOS W CHR KID (OCT06)
27903	SELECTIVE IG DEFIC NEC	40402	MAL HY HRT/KID W CHR KID (OCT06)
27904	CONG HYPOGAMMAGLOBULINEM	40403	MAL HYP HRT/KID W HF/KID (OCT06)
27905	IMMUNODEFIC W HYPER-IGM	40412	BEN HYP HT/KID W CHR KID (OCT06)
27906	COMMON VARIABL IMMUNODEF	40413	BEN HYP HT/KID W HF/KID (OCT06)
27909	HUMORAL IMMUNITY DEF NEC	40492	HYP HT/KID NOS W CHR KID (OCT06)
27910	IMMUNDEF T-CELL DEF NOS	40493	HYP HRT/KID NOS W HF/KID (OCT06)
27911	DIGEORGES SYNDROME	5793	INTEST POSTOP NONABSORB (OCT06)
27912	WISKOTT-ALDRICH SYNDROME	585	HRONIC KIDNEY DISEASE (OCT05)
27913	NEZELOFS SYNDROME	5855	CHRON KIDNEY DIS STAGE V (OCT05)
27919	DEFIC CELL IMMUNITY NOS	5856	END STAGE RENAL DISEASE (OCT06)
2792	COMBINED IMMUNITY DEFICIENCY	9968	COMPLICATIONS OF TRANSPLANTED ORGAN
2793	UNSPECIFIED IMMUNITY DEFICIENCY	99680	COMP ORGAN TRANSPLNT NOS
2794	AUTOIMMUNE DISEASE, NOT ELSEWHERE CLASSIFIED	99681	COMPL KIDNEY TRANSPLANT
27941	AUTOIMMUNE LYMPHOPROLIFERATIVE SYNDROME ALPS (OCT09)	99682	COMPL LIVER TRANSPLANT
27949	AUTOIMMUNE DISEASE, NOT ELSEWHERE CLASSIFIED (OCT09)	99683	COMPL HEART TRANSPLANT
27950	GRAFT-VERSUS-HOST DISEASE UNSPECIFIED (OCT08)	99684	COMPL LUNG TRANSPLANT
27951	ACUTE GRAFT-VERSUS-HOST DISEASE (OCT08)	99685	COMPL MARROW TRANSPLANT
27952	CHRONIC GRAFT-VERSUS-HOST DISEASE (OCT08)	99686	COMPL PANCREAS TRANSPLNT
27953	ACUTE ON CHRONIC GRAFT-VERSUS-HOST DISEASE (OCT08)	99687	COMP INTESTINE TRANSPLNT
2798	OTHER SPECIFIED DISORDERS INVOLVING THE IMMUNE MECHANISM	99689	COMP OTH ORGAN TRANSPLNT
2799	UNSPECIFIED DISORDER OF IMMUNE MECHANISM	V420	KIDNEY REPLACED BY TRANSPLANT
28409	CONST APLASTC ANEMIA NEC (OCT06)	V421	HEART REPLACED BY TRANSPLANT
2841	PANCYTOPENIA (OCT06)	V426	LUNG REPLACED BY TRANSPLANT
2880	AGRANULOCYTOSIS (OCT05)	V427	LIVER REPLACED BY TRANSPLANT
28800	NEUTROPENIA NOS (OCT06)	V428	OTHER SPECIFIED ORGAN OR TISSUE
28801	CONGENITAL NEUTROPENIA (OCT06)	V4281	BONE MARROW SPECIFIED BY TRANSPLANT
		V4282	PERIPHERAL STEM CELLS REPLACED BY TRANSPLANT
		V4283	PANCREAS REPLACED BY TRANSPLANT
		V4284	INTESTINES REPLACE BY TRANSPLANT
		V4289	OTHER REPLACED BY TRANSPLANT
		V451	RENAL DIALYSIS STATUS (OCT06)
		V4511	RENAL DIALYSIS STATUS (OCT08)
		V560	RENAL DIALYSIS ENCOUNTER (OCT06)
		V561	FT/ADJ XTRCORP DIAL CATH (OCT06)
		V562	FIT/ADJ PERIT DIAL CATH (OCT06)

ICD-9-CM Immunocompromised state procedure codes:

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