

STS Adult Cardiac Surgery Database V2.9
Procedure Identification Table

Current as of: 11/30/2017

Note, fields in green are new in v2.9x, fields in yellow are added or changed from the v2.81 definition

PART 1 (PROCID 1 through 4)				
Variable Short Name/Seq #	Isolated CAB (ProcID=1)	Isolated AVR (ProcID=2)	Isolated MVR** (ProcID=3)	AVR + CAB (ProcID=4)
OpCAB/2120	<ul style="list-style-type: none"> • Yes, planned • Yes, unplanned due to unsuspected disease or anatomy 	<ul style="list-style-type: none"> • No • Yes, unplanned due to surgical complication • Missing 	<ul style="list-style-type: none"> • No • Yes, unplanned due to surgical complication • Missing 	<ul style="list-style-type: none"> • Yes, planned • Yes, unplanned due to unsuspected disease or anatomy •
OpCAB	OpCAB in(3,5)	OpCab in (NULL, 2,4)	OpCab in (NULL, 2,4)	OpCAB in(3,5)
OpValve/2125	<Not used in this calculation>	<ul style="list-style-type: none"> • Yes 	<ul style="list-style-type: none"> • Yes 	<ul style="list-style-type: none"> • Yes
OpValve		Opvalve eq 1	Opvalve eq 1	Opvalve eq 1
VSAV/3390	<ul style="list-style-type: none"> • No • Yes, unplanned due to surgical complication • Missing 	<ul style="list-style-type: none"> • Yes, planned • Yes, unplanned due to unsuspected disease or anatomy 	<ul style="list-style-type: none"> • No • Yes, unplanned due to surgical complication • Missing 	<ul style="list-style-type: none"> • Yes, planned • Yes, unplanned due to unsuspected disease or anatomy
VSAV	VSAV in (NULL, 2,4)	VSAV in (3,5)	VSAV in (NULL, 2,4)	VSAV in (3,5)
VSAVPr/3395	<Not used in this calculation>	<ul style="list-style-type: none"> • Replacement 	<Not used in this calculation>	<ul style="list-style-type: none"> • Replacement
VSAVPr		VSAVPr eq 1		VSAVPr eq 1
VSMV/3495	<ul style="list-style-type: none"> • No • Yes, unplanned due to surgical complication • Missing 	<ul style="list-style-type: none"> • No • Yes, unplanned due to surgical complication • Missing 	<ul style="list-style-type: none"> • Yes, planned • Yes, unplanned due to unsuspected disease or anatomy 	<ul style="list-style-type: none"> • No • Yes, unplanned due to surgical complication • Missing
VSMV	VSMV in (NULL, 2,4)	VSMV in (NULL, 2,4)	VSMV in (3,5)	VSMV in (NULL, 2,4)
VSMVPr/3500	<Not used in this calculation>	<Not used in this calculation>	<ul style="list-style-type: none"> • Replacement 	<Not used in this calculation>
VSMVPr			VSMVPr eq 2	
OCarCongProc1/6515	<ul style="list-style-type: none"> • Missing • PFO, Primary closure • Anomalous origin of coronary artery from pulmonary artery repair • Anomalous aortic origin of coronary artery from aorta (AAOCA) repair 	<ul style="list-style-type: none"> • Missing • PFO, Primary closure 	<ul style="list-style-type: none"> • Missing • PFO, Primary closure • ASD repair, Primary closure • ASD repair, Patch 	<ul style="list-style-type: none"> • Missing • PFO, Primary closure • Anomalous origin of coronary artery from pulmonary artery repair • Anomalous aortic origin of coronary artery from aorta (AAOCA) repair

OCarCongProc1	Ocarcongproc1 in (NULL,10,1291,1305)	Ocarcongproc1 in (NULL,10)	Ocarcongproc1 in (NULL,10,20,30)	Ocarcongproc1 in (NULL,10,1291,1305)
OCarCongProc2/ 6520	<ul style="list-style-type: none"> • Missing • PFO, Primary closure • Anomalous origin of coronary artery from pulmonary artery repair • Anomalous aortic origin of coronary artery from aorta (AAOCA) repair 	<ul style="list-style-type: none"> • Missing • PFO, Primary closure 	<ul style="list-style-type: none"> • Missing • PFO, Primary closure • ASD repair, Primary closure • ASD repair, Patch 	<ul style="list-style-type: none"> • Missing • PFO, Primary closure • Anomalous origin of coronary artery from pulmonary artery repair • Anomalous aortic origin of coronary artery from aorta (AAOCA) repair
OCarCongProc2	Ocarcongproc2 in (NULL,10,1291,1305)	Ocarcongproc2 in (NULL,10)	Ocarcongproc2 in (NULL,10,20,30)	Ocarcongproc2 in (NULL,10,1291,1305)
OCarCongProc3/ 6525	<ul style="list-style-type: none"> • Missing • PFO, Primary closure • Anomalous origin of coronary artery from pulmonary artery repair • Anomalous aortic origin of coronary artery from aorta (AAOCA) repair 	<ul style="list-style-type: none"> • Missing • PFO, Primary closure 	<ul style="list-style-type: none"> • Missing • PFO, Primary closure • ASD repair, Primary closure • ASD repair, Patch 	<ul style="list-style-type: none"> • Missing • PFO, Primary closure • Anomalous origin of coronary artery from pulmonary artery repair • Anomalous aortic origin of coronary artery from aorta (AAOCA) repair
OCarCongProc3	Ocarcongproc3 in (NULL,10,1291,1305)	Ocarcongproc3 in (NULL,10)	Ocarcongproc3 in (NULL,10,20,30)	Ocarcongproc3 in (NULL,10,1291,1305)
Tricuspid Procedures: VSTV VSTrReplace VSTrValvec 3640, 3650, 3653	<p>Unplanned Surgical Complications ONLY</p> <p>VSTV is one of :</p> <ul style="list-style-type: none"> • No • Yes, unplanned due to surgical complication • Missing 	<p>Unplanned Surgical Complications ONLY</p> <p>VSTV is one of :</p> <ul style="list-style-type: none"> • No • Yes, unplanned due to surgical complication • Missing 	<p>All tricuspid repairs are allowed.</p> <p>Tricuspid replacements and valvectomies are only allowed if the tricuspid procedure was unplanned due to surgical complications. Must satisfy at least one of (1) or (2):</p> <ol style="list-style-type: none"> 1. VSTrReplace: <ul style="list-style-type: none"> • No • Missing AND VSTrValvec: <ul style="list-style-type: none"> • No • Missing 2. VSTV 	<p>Unplanned Surgical Complications ONLY</p> <p>VSTV is one of :</p> <ul style="list-style-type: none"> • No • Yes, unplanned due to surgical complication • Missing

			<ul style="list-style-type: none"> • Yes, unplanned due to surgical complication”] 	
Tricuspid Procedures: VSTV VSTrReplace VSTrValvec	VSTV in (NULL, 2,4)	VSTV in (NULL, 2,4)	[VSTrReplace in (NULL, 2) and VSTrValvec in (NULL,2)] OR VSTV eq 4	VSTV in (NULL, 2,4)
VSPV/3685			<ul style="list-style-type: none"> • No • Yes, unplanned due to surgical complication • Missing 	
VSPV			VSPV in (NULL, 2,4)	
PrevVADExp/ 3825			<ul style="list-style-type: none"> • Yes, not during this procedure • No • Missing 	
PrevVADExp			PrevVADExp in (NULL, 1,3)	
VADImpTmg/ 3845		<ul style="list-style-type: none"> • Pre-Operative (during same hospitalization but not same OR trip as CV surgical procedure) <ul style="list-style-type: none"> • In conjunction with CV surgical procedure (same trip to the OR)- unplanned • Post-Operative (after surgical procedure during reoperation) • Missing 		
VADImpTmg			VADImpTmg in (NULL, 1, 4, 5)	
VADImpTmg2/ 3900		<ul style="list-style-type: none"> • Pre-Operative (during same hospitalization but not same OR trip as CV surgical procedure) <ul style="list-style-type: none"> • In conjunction with CV surgical procedure (same trip to the OR)- unplanned • Post-Operative (after surgical procedure during reoperation) • Missing 		
VADImpTmg2			VADImpTmg2 in (NULL, 1, 4, 5)	
VADImpTmg3/ 3955		<ul style="list-style-type: none"> • Pre-Operative (during same hospitalization but not same OR trip as CV surgical procedure) <ul style="list-style-type: none"> • In conjunction with CV surgical procedure (same trip to the OR)- unplanned • Post-Operative (after surgical procedure during reoperation) • Missing 		
VADImpTmg3			VADImpTmg3 in (NULL, 1, 4, 5)	
VExp/3875			<ul style="list-style-type: none"> • Yes, not during this procedure • No • Missing 	
VExp			VExp in (NULL, 3, 2)	
VExp2/3930			<ul style="list-style-type: none"> • Yes, not during this procedure • No • Missing 	
VExp2			VExp2 in (NULL, 3, 2)	

VExp3/3985		<ul style="list-style-type: none"> • Yes, not during this procedure <ul style="list-style-type: none"> • No • Missing 	
VExp3		VExp3 in (NULL, 3, 2)	
OCarLVA/4075		<ul style="list-style-type: none"> • No • Missing 	
OCarLVA		OCarLVA in (NULL, 2)	
OCarVSD/4130		<ul style="list-style-type: none"> • No • Missing 	
OCarVSD		OCarVSD in (NULL, 2)	
AortProc/2125		<ul style="list-style-type: none"> • No • Yes, unplanned due to surgical complication • Missing 	
AortProc		Aortproc in (NULL, 2,4)	
EndovasProc/5066		<ul style="list-style-type: none"> • No • Missing 	
EndovasProc		EndovasProc in (NULL, 2)	
OCarAFibIntraLes/4040	<ul style="list-style-type: none"> • No • Missing 	<ul style="list-style-type: none"> • No • Missing 	<Not used in this calculation> <ul style="list-style-type: none"> • No • Missing
OCarAFibIntraLes	OcarAFibIntraLes in (NULL, 2)	OcarAFibIntraLes in (NULL, 2)	OcarAFibIntraLes in (NULL, 2)
OCarAFibLesLoc/4191	<ul style="list-style-type: none"> • Primarily epicardial • Missing 	<ul style="list-style-type: none"> • Primarily epicardial • Missing 	<Not used in this calculation> <ul style="list-style-type: none"> • Primarily epicardial • Missing
OCarAFibLesLoc	OCarAFibLesLoc ne 2	OCarAFibLesLoc ne 2	OCarAFibLesLoc ne 2
OCarASDSec/4035	<ul style="list-style-type: none"> • No • Missing 	<ul style="list-style-type: none"> • No • Missing 	<Not used in this calculation> <ul style="list-style-type: none"> • No • Missing
OCarASDSec	OCarASDSec in (NULL, 2)	OCarASDSec in (NULL, 2)	OCarASDSec in (NULL, 2)
OCarACD/4055	<Not used in this calculation>	<Not used in this calculation>	<ul style="list-style-type: none"> • No • Missing • Permanent Pacemaker
OCarACD			OCarACD in (NULL, 1, 2)
OCarACDLE/4065		<ul style="list-style-type: none"> • Yes, unplanned due to surgical complication • No • Missing 	

OCarACDLE	OCarACDLE in (NULL, 2,4)			
OCarLasr/4110	<Not used in this calculation>	<Not used in this calculation>	• No • Missing	<Not used in this calculation>
OCarLasr			OCarLasr in (NULL, 2)	
OCPulThromDis/ 4085			• No • Missing	
OCPulThromDis		OCPulThromDis in (NULL, 1)		
OCarSubaStenRes/ 4090			• No • Missing	
OCarSubaStenRes		OCarSubaStenRes in (NULL, 2)		
OCarSVR/4105			• No • Missing	
OCarSVR		OCarSVR in (NULL, 2)		
OCarCrTx/4120			• No • Missing	
OCarCrTx		OCarCrTx in (NULL, 2)		
OCarTrma/4125			• No • Missing	
OCarTrma		OCarTrma in (NULL, 2)		
OCTumor/4115			• No • Missing	
OCTumor		OCTumor in (NULL, 1)		
OCarOthr/4135			• No • Missing	
OCarOthr		OCarOthr in (NULL, 2)		
VSTCV/3400			• No • Missing	
VSTCV		VSTCV in (NULL, 2)		
VSTCVMit/3610			• No • Missing	
VSTCVMit		VSTCVMit in (NULL, 2)		
VSTCVTri/3652			• No • Missing	
VSTCVTri		VSTCVTri in (NULL, 2)		
VSTCVPu/3695			• No • Missing	
VSTCVPu		VSTCVPu in (NULL, 2)		

CCancCase/2050	<ul style="list-style-type: none"> • No • Missing
CCancCase	CCancCase in (NULL, 2)
ONCCarEn/6530	<ul style="list-style-type: none"> • No • Yes, unplanned due to surgical complication • Missing
ONCCarEn	ONCCarEn in (NULL, 2, 4)
ONCOVasc/6535	<ul style="list-style-type: none"> • No • Yes, unplanned due to surgical complication • Missing
ONCOVasc	ONCOVasc in (NULL, 2, 4)
ONCOThor/6540	<ul style="list-style-type: none"> • No • Yes, unplanned due to surgical complication • Missing
ONCOThor	ONCOThor in (NULL, 2, 4)
ONCOOther/6545	<ul style="list-style-type: none"> • No • Yes, unplanned due to surgical complication • Missing
ONCOOther	ONCOOther in (NULL, 2, 4)

PART 2 (PROCID 5 through 8)				
Variable Short Name	MVR + CAB** (ProcID=5)	AVR + MVR** (ProcID=6)	MV Repair** (ProcID=7)	MV Repair + CAB** (ProcID=8)
OpCAB/2120	<ul style="list-style-type: none"> • Yes, planned • Yes, unplanned due to unsuspected disease or anatomy 	<ul style="list-style-type: none"> • No • Yes, unplanned due to surgical complication • Missing 	<ul style="list-style-type: none"> • No • Yes, unplanned due to surgical complication • Missing 	<ul style="list-style-type: none"> • Yes, planned • Yes, unplanned due to unsuspected disease or anatomy
OpCAB	OpCAB in(3,5)	OpCab in (NULL, 2,4)	OpCab in (NULL, 2,4)	OpCAB in(3,5)
OpValve/2125	• Yes	• Yes	• Yes	• Yes
OpValve	Opvalve eq 1	Opvalve eq 1	Opvalve eq 1	Opvalve eq 1
VSAV/3390	<ul style="list-style-type: none"> • No • Yes, unplanned due to surgical complication • Missing 	<ul style="list-style-type: none"> • Yes, planned • Yes, unplanned due to unsuspected disease or anatomy 	<ul style="list-style-type: none"> • No • Yes, unplanned due to surgical complication • Missing 	<ul style="list-style-type: none"> • No • Yes, unplanned due to surgical complication • Missing
VSAV	VSAV in (NULL, 2,4)	VSAV in (3,5)	VSAV in (NULL, 2,4)	VSAV in (NULL, 2,4)
VSAVPr/3395	<Not used in this calculation>	• Replacement	<Not used in this calculation>	<Not used in this calculation>
VSAVPr		VSAVPr eq 1		
VSMV/3495	<ul style="list-style-type: none"> • Yes, planned • Yes, unplanned due to unsuspected disease or anatomy 	<ul style="list-style-type: none"> • Yes, planned • Yes, unplanned due to unsuspected disease or anatomy 	<ul style="list-style-type: none"> • Yes, planned • Yes, unplanned due to unsuspected disease or anatomy 	<ul style="list-style-type: none"> • Yes, planned • Yes, unplanned due to unsuspected disease or anatomy
VSMV	VSMV in (3,5)	VSMV in (3,5)	VSMV in (3,5)	VSMV in (3,5)
VSMVPr/3500	• Replacement	• Replacement	• Repair	• Repair
VSMVPr	VSMVPr eq 2	VSMVPr eq 2	VSMVPr eq 1	VSMVPr eq 1
OCarCongProc1/ 6515	<ul style="list-style-type: none"> • Missing • PFO, Primary closure • Anomalous origin of coronary artery from pulmonary artery repair • Anomalous aortic origin of coronary artery from aorta (AAOCA) repair • ASD repair, Primary closure • ASD repair, Patch 	<ul style="list-style-type: none"> • Missing • PFO, Primary closure • ASD repair, Primary closure • ASD repair, Patch 	<ul style="list-style-type: none"> • Missing • PFO, Primary closure • ASD repair, Primary closure • ASD repair, Patch 	<ul style="list-style-type: none"> • Missing • PFO, Primary closure • Anomalous origin of coronary artery from pulmonary artery repair • Anomalous aortic origin of coronary artery from aorta (AAOCA) repair • ASD repair, Primary closure • ASD repair, Patch
OCarCongProc1	Ocarcongproc1 in (NULL,10,20, 30,1291,1305)	Ocarcongproc1 in (NULL,10,20,30)	Ocarcongproc1 in (NULL,10,20,30)	Ocarcongproc1 in (NULL,10,20,30,1291,1305)
OCarCongProc2/ 6520	<ul style="list-style-type: none"> • Missing • PFO, Primary closure • Anomalous origin of coronary artery from pulmonary artery repair 	<ul style="list-style-type: none"> • Missing • PFO, Primary closure • ASD repair, Primary closure • ASD repair, Patch 	<ul style="list-style-type: none"> • Missing • PFO, Primary closure • ASD repair, Primary closure • ASD repair, Patch 	<ul style="list-style-type: none"> • Missing • PFO, Primary closure • Anomalous origin of coronary artery from pulmonary artery repair

PART 2 (PROCID 5 through 8)				
Variable Short Name	MVR + CAB** (ProcID=5)	AVR + MVR** (ProcID=6)	MV Repair** (ProcID=7)	MV Repair + CAB** (ProcID=8)
	<ul style="list-style-type: none"> • Anomalous aortic origin of coronary artery from aorta (AAOCA) repair • ASD repair, Primary closure • ASD repair, Patch 			<ul style="list-style-type: none"> • Anomalous aortic origin of coronary artery from aorta (AAOCA) repair • ASD repair, Primary closure • ASD repair, Patch
OCarCongProc2	Ocarcongproc2 in (NULL,10, 20, 30,1291,1305)	Ocarcongproc2 in (NULL,10,20,30)	Ocarcongproc2 in (NULL,10,20,30)	Ocarcongproc2 in (NULL,10, 20, 30,1291,1305)
OCarCongProc3/ 6525	<ul style="list-style-type: none"> • Missing • PFO, Primary closure • Anomalous origin of coronary artery from pulmonary artery repair • Anomalous aortic origin of coronary artery from aorta (AAOCA) repair • ASD repair, Primary closure • ASD repair, Patch 	<ul style="list-style-type: none"> • Missing • PFO, Primary closure • ASD repair, Primary closure • ASD repair, Patch 	<ul style="list-style-type: none"> • Missing • PFO, Primary closure • ASD repair, Primary closure • ASD repair, Patch 	<ul style="list-style-type: none"> • Missing • PFO, Primary closure • Anomalous origin of coronary artery from pulmonary artery repair • Anomalous aortic origin of coronary artery from aorta (AAOCA) repair • ASD repair, Primary closure • ASD repair, Patch
OCarCongProc3	Ocarcongproc3 in (NULL,10, 20, 30,1291,1305)	Ocarcongproc3 in (NULL,10,20,30)	Ocarcongproc3 in (NULL,10,20,30)	Ocarcongproc3 in (NULL,10, 20, 30,1291,1305)
Tricuspid Procedures: VSTV VStrReplace VStrValvec/ 3640, 3650, 3653	<p>All tricuspid repairs are allowed. Tricuspid replacements and valvectomies are only allowed if the tricuspid procedure was unplanned due to surgical complications. Must satisfy at least one of (1) or (2):</p> <ol style="list-style-type: none"> 1. VStrReplace: <ul style="list-style-type: none"> • No • Missing <p>AND</p> <p>VStrValvec:</p> <ul style="list-style-type: none"> • No • Missing <ol style="list-style-type: none"> 2. VSTV 	<p>All tricuspid repairs are allowed. Tricuspid replacements and valvectomies are only allowed if the tricuspid procedure was unplanned due to surgical complications. Must satisfy at least one of (1) or (2):</p> <ol style="list-style-type: none"> 1. VStrReplace: <ul style="list-style-type: none"> • No • Missing <p>AND</p> <p>VStrValvec:</p> <ul style="list-style-type: none"> • No • Missing <ol style="list-style-type: none"> 2. VSTV 	<p>All tricuspid repairs are allowed. Tricuspid replacements and valvectomies are only allowed if the tricuspid procedure was unplanned due to surgical complications. Must satisfy at least one of (1) or (2):</p> <ol style="list-style-type: none"> 1. VStrReplace: <ul style="list-style-type: none"> • No • Missing <p>AND</p> <p>VStrValvec:</p> <ul style="list-style-type: none"> • No • Missing <ol style="list-style-type: none"> 2. VSTV 	<p>All tricuspid repairs are allowed. Tricuspid replacements and valvectomies are only allowed if the tricuspid procedure was unplanned due to surgical complications. Must satisfy at least one of (1) or (2):</p> <ol style="list-style-type: none"> 1. VStrReplace: <ul style="list-style-type: none"> • No • Missing <p>AND</p> <p>VStrValvec:</p> <ul style="list-style-type: none"> • No • Missing <ol style="list-style-type: none"> 2. VSTV

PART 2 (PROCID 5 through 8)				
Variable Short Name	MVR + CAB** (ProcID=5)	AVR + MVR** (ProcID=6)	MV Repair** (ProcID=7)	MV Repair + CAB** (ProcID=8)
	<ul style="list-style-type: none"> Yes, unplanned due to surgical complication”] 	<ul style="list-style-type: none"> Yes, unplanned due to surgical complication”] 	<ul style="list-style-type: none"> Yes, unplanned due to surgical complication”] 	<ul style="list-style-type: none"> Yes, unplanned due to surgical complication”]
Tricuspid Procedures VSTV VSTrReplace VSTrValvec	[VSTrReplace in (NULL, 2) and VSTrValvec in (NULL,2)] OR VSTV eq 4	[VSTrReplace in (NULL, 2) and VSTrValvec in (NULL,2)] OR VSTV eq 4	[VSTrReplace in (NULL, 2) and VSTrValvec in (NULL,2)] OR VSTV eq 4	[VSTrReplace in (NULL, 2) and VSTrValvec in (NULL,2)] OR VSTV eq 4
VSPV/3685			<ul style="list-style-type: none"> No Yes, unplanned due to surgical complication Missing 	
VSPV			VSPV in (NULL, 2,4)	
PrevVADExp/ 3825			<ul style="list-style-type: none"> Yes, not during this procedure No Missing 	
PrevVADExp			PrevVADExp in (NULL, 1,3)	
VADImpTmg/ 3845		<ul style="list-style-type: none"> Pre-Operative (during same hospitalization but not same OR trip as CV surgical procedure) In conjunction with CV surgical procedure (same trip to the OR)- unplanned Post-Operative (after surgical procedure during reoperation) Missing 		
VADImpTmg			VADImpTmg in (NULL, 1, 4, 5)	
VADImpTmg2/ 3900		<ul style="list-style-type: none"> Pre-Operative (during same hospitalization but not same OR trip as CV surgical procedure) In conjunction with CV surgical procedure (same trip to the OR)- unplanned Post-Operative (after surgical procedure during reoperation) Missing 		
VADImpTmg2			VADImpTmg2 in (NULL, 1, 4, 5)	
VADImpTmg3/ 3955		<ul style="list-style-type: none"> Pre-Operative (during same hospitalization but not same OR trip as CV surgical procedure) In conjunction with CV surgical procedure (same trip to the OR)- unplanned Post-Operative (after surgical procedure during reoperation) Missing 		
VADImpTmg3			VADImpTmg3 in (NULL, 1, 4, 5)	
VExp/3875			<ul style="list-style-type: none"> Yes, not during this procedure No Missing 	
VExp			VExp in (NULL, 3, 2)	
VExp2/3930			<ul style="list-style-type: none"> Yes, not during this procedure 	

PART 2 (PROCID 5 through 8)				
Variable Short Name	MVR + CAB** (ProcID=5)	AVR + MVR** (ProcID=6)	MV Repair** (ProcID=7)	MV Repair + CAB** (ProcID=8)
			<ul style="list-style-type: none"> • No • Missing 	
VExp2			VExp2 in (NULL, 3, 2)	
VExp3/3985			<ul style="list-style-type: none"> • Yes, not during this procedure 	<ul style="list-style-type: none"> • No • Missing
VExp3			VExp3 in (NULL, 3, 2)	
OCarLVA/4075			<ul style="list-style-type: none"> • No • Missing 	
OCarLVA			OCarLVA in (NULL, 2)	
OCarVSD/4130			<ul style="list-style-type: none"> • No • Missing 	
OCarVSD			OCarVSD in (NULL, 2)	
AortProc/2128			<ul style="list-style-type: none"> • No • Yes, unplanned due to surgical complication • Missing 	
AortProc			Aortproc in (NULL, 2,4)	
EndovasProc/5066			<ul style="list-style-type: none"> • No • Missing 	
EndovasProc			EndovasProc in (NULL, 2)	
OCarAFibIntraLes 4040	<Not used in this calculation>	<Not used in this calculation>	<Not used in this calculation>	<Not used in this calculation>
OCarAFibIntraLes				
OCarAFibLesLoc 4191	<Not used in this calculation>	<Not used in this calculation>	<Not used in this calculation>	<Not used in this calculation>
OCarAFibLesLoc				
OCarASDSec 4035	<Not used in this calculation>	<Not used in this calculation>	<Not used in this calculation>	<Not used in this calculation>
OCarASDSec				
OCarACD 4055	<ul style="list-style-type: none"> • No • Missing • Permanent Pacemaker 	<ul style="list-style-type: none"> • No • Missing • Permanent Pacemaker 	<ul style="list-style-type: none"> • No • Missing • Permanent Pacemaker 	<ul style="list-style-type: none"> • No • Missing • Permanent Pacemaker
OCarACD	OCarACD in (NULL, 1, 2)	OCarACD in (NULL, 1, 2)	OCarACD in (NULL, 1, 2)	OCarACD in (NULL, 1, 2)
OCarACDLE/4065		<ul style="list-style-type: none"> • Yes, unplanned due to surgical complication • No 		

PART 2 (PROCID 5 through 8)				
Variable Short Name	MVR + CAB** (ProcID=5)	AVR + MVR** (ProcID=6)	MV Repair** (ProcID=7)	MV Repair + CAB** (ProcID=8)
	• Missing			
OCarACDLE	OCarACDLE in (NULL, 2,4)			
OCarLastr/4110	• No • Missing	• No • Missing	• No • Missing	• No • Missing
OCarLastr	OCarLastr in (NULL, 2)	OCarLastr in (NULL, 2)	OCarLastr in (NULL, 2)	OCarLastr in (NULL, 2)
OCPulThromDis/4085	• No • Missing			
OCPulThromDis	OCPulThromDis in (NULL, 1)			
OCarSubaStenRes/4090	• No • Missing			
OCarSubaStenRes	OCarSubaStenRes in (NULL, 2)			
OCarSVR/4105	• No • Missing			
OCarSVR	• OCarSVR in (NULL, 2)			
OCarCrTx/4120	• No • Missing			
OCarCrTx	• OCarCrTx in (NULL, 2)			
OCarTrma/4125	• No • Missing			
OCarTrma	• OCarTrma in (NULL, 2)			
OCTumor/4115	• No • Missing			
OCTumor	• OCTumor in (NULL, 1)			
OCarOthr/4135	• No • Missing			
OCarOthr	• OCarOthr in (NULL, 2)			
VSTCV/3400	• No • Missing			
VSTCV	• VSTCV in (NULL, 2)			
VSTCVMit/3610	• No • Missing			
VSTCVMit	• VSTCVMit in (NULL, 2)			
VSTCVTri/3652	• No • Missing			

PART 2 (PROCID 5 through 8)				
Variable Short Name	MVR + CAB** (ProcID=5)	AVR + MVR** (ProcID=6)	MV Repair** (ProcID=7)	MV Repair + CAB** (ProcID=8)
VSTCVTri			• VSTCVTri in (NULL, 2)	
VSTCVPu/3695			• No • Missing	
VSTCVPu			• VSTCVPu in (NULL, 2)	
CCancCase/2050			• No • Missing	
CCancCase			• CCancCase in (NULL, 2)	
ONCCarEn/6530			• No • Yes, unplanned due to surgical complication • Missing	
ONCCarEn			• ONCCarEn in (NULL, 2, 4)	
ONCOVasc/6535			• No • Yes, unplanned due to surgical complication • Missing	
ONCOVasc			• ONCOVasc in (NULL, 2, 4)	
ONCOThor/6540			• No • Yes, unplanned due to surgical complication • Missing	
ONCOThor			• ONCOThor in (NULL, 2, 4)	
ONCOOther/6545			• No • Yes, unplanned due to surgical complication • Missing	
ONCOOther			• ONCOOther in (NULL, 2, 4)	

**For Version 2.9 - Please note that the ProcID algorithms for all Mitral Valve Procedures now also include intracardiac lesions and tricuspid repairs. Since it is common practice to do a full Maze procedure and/or an occasional tricuspid repair STS Leadership wanted to keep these cases in the MV Risk Algorithms.

The following fields are no longer collected:

AortProcTEVAR – replaced by EndovascProc

OpTricus – replaced by VStrRepair, VStrReplace, and VStrValvec

