

**STS Adult CV Database Data Defaults for Analysis for Parent/Child Fields – Version 2.41**

**Rule:** **Parent field** = “Gatekeeper” field that determines whether other variables to follow need to be answered.

**Child field** = Should only contain values if the parent field is “Yes”. If Parent Field is “No” or “missing” and the “Child Field” is present then “Parent Field” is changed to the appropriate value. For example, if Diabetes (parent field) is blank or “No” but Diabetes Control (child field) is Diet, Oral, or Insulin, Diabetes is changed to “Yes” at the Data Warehouse.

Data Collection Form Section	ParentField LongName	ParentField	ChildField LongName	ChildField	Data Warehouse Action
<b>C. Hospitalization</b>					
	Hospital Name	HospName	Hospital ZIP Code	HospZIP	None
	Hospital Name	HospName	Hospital State	HospStat	None
	Readmission to ICU	ICUReadm	Additional ICU Hours	ICUAdHrs	If Parent is No or Missing and Child is >= 1 and <= 5000, then the Parent is changed to Yes.
<b>D. Pre Operative Risk Factors</b>					
	RF-Smoker	Smoker	RF-Smoker-Current	SmokCurr	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	RF-Diabetes	Diabetes	RF-Diabetes-Control	DiabCtrl	If Parent is No or Missing and Child is Diet, Oral, or Insulin, then the Parent is changed to Yes.
	RF-Renal Fail	RenFail	RF-Renal Fail Dialysis	Dialysis	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	RF-CVA	CVA	RF-CVA-When	CVAShen	If Parent is No or Missing and Child is Recent (<= 2 wks) or Remote (> 2 wks), then the Parent is changed to Yes.
	RF-Infect Endocard	InfEndo	RF-Endocard Type	InfEndTy	If Parent is No or Missing and Child is Treated or Active, then the Parent is changed to Yes.
	RF-Cerebrovascular Dis	CVD	RF-Cerebrovascular DisType	CVDTyPe	If Parent is No or Missing and Child is Unresponsive Coma >24 hrs, CVA symptoms > 72 hrs after onset, RIND recovery within 72 hours, TIA recovery within 24 hours, Non-invasive carotid test with > 75% occlusion, or Prior carotid surgery, then the Parent is changed to Yes.
<b>E. Previous Interventions</b>					
	Prev CV Intervent	PrCVInt	Prior Card Op Req Bypass-#	PrCBNum	If Parent is No or Missing and Child is >= 1 and <= 9, then the Parent is changed to Yes.
	Prev CV Intervent	PrCVInt	Prior Card Op No Bypass-#	PrCNum	If Parent is No or Missing and Child is >= 1 and <= 9, then the Parent is changed to Yes.

	Prev CV Intervent	PrCVInt	Prev CAB	PrCAB	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	Prev CV Intervent	PrCVInt	Prev Valve	PrValve	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	Prev CV Intervent	PrCVInt	Prev Oth Card	PrOthCar	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	Prev CV Intervent	PrCVInt	PTCA/Ather	PrPTCA	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	Prev CV Intervent	PrCVInt	Prev Non Surg-Stent	PrNSSstnt	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	Prev CV Intervent	PrCVInt	Thrombolysis	Thrmblys	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	Prev CV Intervent	PrCVInt	Prev Non Surg-Balloon Valv	PrNSBall	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	PTCA/Ather	PrPTCA	PTCA/Ather Intrvl-(PTCA-Surg)	PrPTIntv	If Parent is No or Missing and Child is <= 6 hrs or > 6 hrs, then the Parent is changed to Yes.
	Prev Non Surg-Stent	PrNSSstnt	Stent Intvl	StntIntv	If Parent is No or Missing and Child is <= 6 hrs or > 6 hrs, then the Parent is changed to Yes.
	Thrombolysis	Thrmblys	Thrombolysis-Intvl	ThrIntvl	If Parent is No or Missing and Child is <= 6 hrs or > 6 hrs, then the Parent is changed to Yes.
<b>F. Pre Operative Cardiac Status</b>					
	MI	MI	MI-When	MIWhen	If Parent is No or Missing and Child is <= 6 hrs, > 6 hrs but < 24 hrs, 1 to 7 days, 8 to 21 days, or >21 days, then the Parent is changed to Yes.
	Angina	Angina	Angina-Type	AngType	If the Parent is No or Missing, and Child is Stable or Unstable, then the Parent is changed to Yes.
	Angina-Type	AngType	Angina Unstable Type	AngUnstT	If the Parent is Stable or Missing, and Child is Rest Angina, New onset of CCS Class III, Recent Acceleration, Variant angina, Non-Q wave MI, or Post-infarction angina, then the Parent is changed to Unstable.
	Cardiogenic Shock	CarShock	Cardiogenic Shock Type	CarShTyp	If the Parent is No or Missing, and Child is Refractory Shock, or Hemodynamic Instability, then the Parent is changed to Yes.
	Arrhythmia	Arrhyth	Arrhythmia Type	ArrhyTyp	If the Parent is No or Missing, and Child is Sustained Ventricular Tach/Ventricular Fib, Heart Block, or Atrial Fib/Flutter, then the Parent is changed to Yes.

<b>H. Hemodynamics &amp; Cath</b>					
	Hemo Data-EF Done	HDEFD	Hemo Data EF	HDEF	If the Parent is No or Missing and Child is $\geq 5$ and $\leq 90$ , then the Parent is changed to Yes.
	Hemo Data-EF Done	HDEFD	Hemo Data-EF Method	HDEFMeth	If the Parent is No or Missing and Child is LV Gram, Radionucleotide, Estimate, or ECHO, then the Parent is changed to Yes.
	Hemo Data-HDPA Mean Done	HDPAD	Hemo Data-PA Mean	HDPAMean	If the Parent is No or Missing and Child is $\geq 1$ and $\leq 99$ , then the Parent is changed to Yes.
	VS Stenosis-Aortic	VDStenA	VD-Gradient-Aortic	VDGradA	If the Parent is No or Missing and Child is $\geq 1$ and $\leq 200$ , then the Parent is changed to Yes.
<b>J. Operative</b>					
	Surgeon	Surgeon	Surgeon Group	SurgGrp	None
	Status	Status	Urgent Reason	UrgntRsn	If Parent is Missing and Child is AMI, IABP, Worsening Chest Pain, CHF, Coronary Anatomy, Unstable Angina, Rest Angina, Valve Dysfunction, or Aortic Dissection, then the Parent is changed to Urgent.
	Status	Status	Emergent Reason	EmergRsn	If Parent is Missing and Child is Shock Circulatory Support, Shock and No Circulatory Support, Pulmonary Edema, AEMI, Ongoing Ischemia, Valve Dysfunction, or Aortic Dissection, then the Parent is changed to Emergent.
<b>K. Coronary Surgery</b>					
	CAB	OpCAB	Unplanned CABG	CABUnpln	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	CAB	OpCAB	Dist Anast - Art #	DistArt	If Parent is No or Missing and Child is $\geq 1$ and $\leq 9$ , then the Parent is changed to Yes.
	CAB	OpCAB	Dist Anast -Vein #	DistVein	If Parent is No or Missing and Child is $\geq 1$ and $\leq 9$ , then the Parent is changed to Yes.
	CAB	OpCAB	IMA Artery Used	IMAArtUs	If Parent is No or Missing and Child is Left IMA, Right IMA, or Both IMA, then the Parent is changed to Yes.
	CAB	OpCAB	IMA Dist Anast #	NumIMADA	If Parent is No or Missing and Child is $\geq 1$ and $\leq 6$ , then the Parent is changed to Yes.

	CAB	OpCAB	Radial Artery Used	RadArtUs	If Parent is No or Missing and Child is Left Radial, Right Radial, or Both Radials, then the Parent is changed to Yes.
	CAB	OpCAB	Radial Dist Anast #	NumRadDA	If Parent is No or Missing and Child is >= 1 and <= 6, then the Parent is changed to Yes.
	CAB	OpCAB	GEPA Dist Anast #	NumGEPDA	If Parent is No or Missing and Child is >= 1 and <= 6, then the Parent is changed to Yes.
<b>L. Valve Surgery</b>					
	VS-Aortic Proc-Procedure	OpAortic	VS-Aortic Proc-Imp-Type	VSAoImTy	None
	VS-Aortic Proc-Imp-Type	VSAoImTy	VS-Aortic Proc-Imp	VSAoIm	None
	VS-Aortic Proc-Imp-Type	VSAoImTy	VS-Aortic Proc-Imp-Size	VSAoImSz	None
	VS-Aortic Proc-Procedure	OpAortic	VS-Aortic Proc-Exp-Type	VSAoExTy	None
	VS-Aortic Proc-Exp-Type	VSAoExTy	VS-Aortic Proc-Exp	VSAoEx	None
	VS-Aortic Proc-Exp-Type	VSAoExTy	VS-Aortic Proc-Exp-Size	VSAoExSz	None
	VS-Mitral Proc Procedure	OpMitral	VS-Mitral Proc Imp-Type	VSMiImTy	None
	VS-Mitral Proc Imp-Type	VSMiImTy	VS-Mitral Proc-Imp	VSMiIm	None
	VS-Mitral Proc Imp-Type	VSMiImTy	VS-Mitral Proc-Imp-Size	VSMiImSz	None
	VS-Mitral Proc Procedure	OpMitral	VS-Mitral Proc-Exp-Type	VSMiExTy	None
	VS-Mitral Proc-Exp-Type	VSMiExTy	VS-Mitral Proc-Exp	VSMiEx	None
	VS-Mitral Proc-Exp-Type	VSMiExTy	VS-Mitral Proc-Exp-Size	VSMiExSz	None
	VS-Tricuspid Proc Procedure	OpTricus	VS-Tricuspid Proc Imp-Type	VSTriImTy	None
	VS-Tricuspid Proc Imp-Type	VSTriImTy	VS-Tricuspid Proc-Imp	VSTriIm	None
	VS-Tricuspid Proc Imp-Type	VSTriImTy	VS-Tricuspid Proc-Imp-Size	VSTriImSz	None
	VS-Tricuspid Proc Procedure	OpTricus	VS-Tricuspid Proc-Exp-Type	VSTriExTy	None
	VS-Tricuspid Proc-Exp-Type	VSTriExTy	VS-Tricuspid Proc-Exp	VSTriEx	None
	VS-Tricuspid Proc-Exp-Type	VSTriExTy	VS-Tricuspid Proc-Exp-Size	VSTriExSz	None
	VS-Pulmonic Proc Procedure	OpPulm	VS-Pulmonic Proc Imp-Type	VSPuImTy	None
	VS-Pulmonic Proc Imp-Type	VSPuImTy	VS-Pulmonic Proc-Imp	VSPuIm	None
	VS-Pulmonic Proc Imp-Type	VSPuImTy	VS-Pulmonic Proc-Imp-Size	VSPuImSz	None
	VS-Pulmonic Proc Procedure	OpPulm	VS-Pulmonic Proc-Exp-Type	VSPuExTy	None
	VS-Pulmonic Proc-Exp-Type	VSPuExTy	VS-Pulmonic Proc-Exp	VSPuEx	None
	VS-Pulmonic Proc-Exp-Type	VSPuExTy	VS-Pulmonic Proc-Exp-Size	VSPuExSz	None

<b>M. Operative Techniques</b>					
	Cardiopulmonary Bypass Used	CPBUsed	Conversion to CPB	CnvCPB	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	Conversion to Std Incision	CnvStdIn	Conversion Indication	CnvIndic	If Parent is No or Missing and Child is Exposure, Bleeding, Rhythm, Hypotension, or Conduit, then the Parent is changed to Yes.
<b>N. Other Cardiac Procedures</b>					
	Other Card	OpOCard	Other Card-LVA	OCarLVA	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	Other Card	OpOCard	Other Card-VSD	OCarVSD	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	Other Card	OpOCard	Other Card-ASD	OCarASD	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	Other Card	OpOCard	Other Card-Batista	OCarBati	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	Other Card	OpOCard	Other Card-Surgical Ventricular Restoration	OCarSVR	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	Other Card	OpOCard	Other Card-Congenital	OCarCong	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	Other Card	OpOCard	Other Card-Transmyocardial	OCarLasr	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	Other Card	OpOCard	Other Card-Cardiac Trauma	OCarTrma	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	Other Card	OpOCard	Other Card-Card Tx	OCarCrTx	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	Other Card	OpOCard	Other Card-Pacemaker	OCarPace	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	Other Card	OpOCard	Other Card-AICD	OCarAICD	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	Other Card	OpOCard	Other Card-Other	OCarOthr	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
<b>O. Other Non Cardiac Procedures</b>					
	Other Non Card	OpONCard	Other Non Card-Ao Aneur	ONCAoAn	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	Other Non Card	OpONCard	Other Non Card-Caro-Endart	ONCCarEn	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.

	Other Non Card	OpONCard	Other Non Card-Other Vasc	ONCOVasc	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	Other Non Card	OpONCard	Other Non Card-Other Thor	ONCOThor	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
<b>P. CPB and Support</b>					
	IABP	IABP	IABP-When Inserted	IABPWhen	If Parent is No or Missing and Child is Preop, Intraop, or Postop, then the Parent is changed to Yes.
	IABP	IABP	IABP-Indication	IABPInd	If Parent is No or Missing and Child is Hemodynamic Instability, PTCA Support, Unstable Angina, CPB Wean, or Prophylactic, then the Parent is changed to Yes.
<b>Q. Post Operative</b>					
	Re-intubated During Hospital Stay	ReIntub	Additional Hours Ventilated	VentHrsA	If Parent is No or Missing and Child is $\geq 1$ and $\leq 5000$ , then the Parent is changed to Yes.
<b>R. Complications (in hospital)</b>					
	Comps-Complications	Complics	Comps-Op ReOp Bleed	COpReBld	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	Comps-Complications	Complics	Comps-Op ReOp Vlv Dys	COpReVlv	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	Comps-Complications	Complics	Comps-Op ReOp Gft Occl	COpReGft	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	Comps-Complications	Complics	Comps-Op ReOp Other Card	COpReOth	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	Comps-Complications	Complics	Comps-Op ReOp Other Non Card	COpReNon	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	Comps-Complications	Complics	Comps-Op-Perioperative MI	COpPerMI	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	Comps-Complications	Complics	Comps-Infect-Stern Deep	CISDeep	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	Comps-Complications	Complics	Comps-Infect-Thoracotomy	CIThor	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	Comps-Complications	Complics	Comps-Infect-Leg	CILeg	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.

	Comps-Complications	Complics	Comps-Infect-Septicemia	CISeptic	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	Comps-Complications	Complics	Comps-Infect-UTI	CIUTI	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	Comps-Complications	Complics	Comps-Neuro-Stroke Perm	CNStrokP	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	Comps-Complications	Complics	Comps-Neuro-Stroke Trans	CNStrokT	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	Comps-Complications	Complics	Comps-Neuro-Count Coma >=24hrs	CNComa	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	Comps-Complications	Complics	Comps-Pulm-Vent-Prolonged	CPVntLng	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	Comps-Complications	Complics	Comps-Pulm-Pulm Embolism	CPPulEmb	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	Comps-Complications	Complics	Comps-Pulm-Pneumonia	CPPneum	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	Comps-Complications	Complics	Comps-Renal-Renal Failure	CRenFail	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	Comps-Complications	Complics	Comps-Renal-Dialysis Req	CRenDial	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	Comps-Complications	Complics	Comps-Vasc-Ao Dissect	CVaAoDis	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	Comps-Complications	Complics	Comps-Vasc-Iliac/Fem Dissect	CVaIIFem	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	Comps-Complications	Complics	Comps-Vasc-Acute Limb Isch	CVaLbIsch	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	Comps-Complications	Complics	Comps-Other-Heart Block	COtHtBlk	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	Comps-Complications	Complics	Comps-Other-Card Arrest	COtArrst	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	Comps-Complications	Complics	Comps-Other-Anticoag Comps	COtCoag	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	Comps-Complications	Complics	Comps-Other-Tamponade	COtTamp	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	Comps-Complications	Complics	Comps-Other-GI Comps	COtGI	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	Comps-Complications	Complics	Comps-Other-Multi Sys Fail	COtMSF	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	Comps-Complications	Complics	Comps-Other-A Fib	COtAFib	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.

<b>T. Mortality</b>					
	Mort-Mortality	Mortality	Mort-Op Death	MtOpD	If Parent is No or Missing and Child is Yes, then the Parent is changed to Yes.
	Mort-Mortality	Mortality	Mort-Date	MtDate	If Parent is No or Missing and Child has a valid date, then the Parent is changed to Yes.
	Mort-Mortality	Mortality	Mort-Location	MtLocatn	If Parent is No or Missing and Child is OR, Hospital, Home, or Other Facility, then the Parent is changed to Yes.
	Mort-Mortality	Mortality	Mort-Prime Cause	MtCause	If Parent is No or Missing and Child is Cardiac, Neurologic, Renal, Vascular, Infection, Pulmonary, Valvular, or Other, then the Parent is changed to Yes.
<b>U. Readmission</b>					
	Readmit<=30 Days from DOP	Readm30	Readmit Reason	ReadmRsn	If Parent is No or Missing and Child is Anticoagulant Complication, Arrhythmias/Heart Block/Pacemaker Insertion/AICD, Congestive Heart Failure, Myocardial Infarction (MI) and/or Recurrent Angina, Pericardial Effusion and/or Tamponade, Pneumonia or Other Respiratory Complication, Valve Dysfunction, Infection – Deep Sternum, Infection – Leg, Cardiac Catheterization, PTCA, Stent, Renal Failure, TIA, Reop for Graft Occlusion, Reop for Bleeding, Permanent CVA, Acute Vascular Complication, or Other Complication, then Parent is changed toYes.