

**Table 13 STS Risk Model Variables – 2017 Models v 2.9**

<b>CABG</b>	<b>Operative Mortality</b>	<b>Stroke</b>	<b>Renal Failure</b>	<b>Prolonged Ventilation</b>	<b>Deep Stern Inf</b>	<b>Reop</b>	<b>Mortality/Morbidity</b>	<b>Length of Stay&gt;14</b>	<b>Length of Stay&lt;6</b>
<b>B. Demographics</b>									
Age (70)	x	x	x	x	x	x	x	x	x
Gender (75)	x	x	x	x	x	x	x	x	x
RaceBlack (160)	x	x	x	x	x	x	x	x	x
RaceAsian (165)		x	x	x	x	x	x	x	x
Ethnicity (185)		x	x	x	x	x	x	x	x
RaceNativeAm (170)			x	x	x	x	x	x	x
RacNativePacific (175)			x	x	x	x	x	x	x
<b>C. Hospitalization</b>									
SurgDt (310)			x	x	x	x	x	x	x
PayorPrim (291)	x	x	x	x	x	x	x	x	x
PayorSecond (293)	x	x	x	x	x	x	x	x	x
<b>D. Risk Factors</b>									
WeightKg (335)	x	x	x	x	x	x	x	x	x
HeightCm (330)	x	x	x	x	x	x	x	x	x
Diabetes (360)	x	x	x	x	x	x	x	x	x
DiabCtrl (365)	x	x	x	x	x	x	x	x	x
Hct (575)	x	x	x	x	x	x	x	x	x
WBC (565)	x	x	x	x	x	x	x	x	x
Platelets (580)	x	x	x	x	x	x	x	x	x
CreatLst (585)	x	x	x	x	x	x	x	x	x
Dialysis (375)	x	x	x	x	x	x	x	x	x
Hypertn (380)		x	x	x			x		x
InfEndTy (840)					x				

InfEndo (385)									
ChrLungD (405)	x	x	x	x	x		x	x	x
ImmSupp (490)	x		x	x	x		x	x	x
PVD (505)	x	x	x	x	x	x	x	x	x
CVD (525)	x	x	x	x			x	x	x
CVA (530)	x	x	x	x			x	x	x
CVAWhen (535)	x	x	x	x			x	x	x
CVDTIA (540)	x	x	x	x			x	x	x
CVDStenRt (550)	x	x	x	x			x	x	x
CVDStenLft (555)	x	x	x	x			x	x	x
CVDPCarSurg (560)	x	x		x					x
IVDrugAb (470)				x		x		x	x
Alcohol (480)	x	x	x	x	x	x	x	x	x
Pneumonia (465)			x	x			x	x	x
MediastRad (495)	x			x				x	x
Cancer (500)		x							
TobaccoUse (400)			x	x	x		x	x	x
FHCAD (355)		x	x	x			x	x	x
HmO2 (450)	x			x			x	x	x
SlpApn (460)		x		x			x		x
LiverDis (485)	x		x	x		x	x	x	x
UnrespStat (520)	x	x		x			x		
Syncope (515)	x			x		x	x		x
<b>E. Previous Interventions</b>									
PrCAB (670)	x		x	x	x	x	x	x	x
PrValve (675)			x	x	x	x	x	x	x
PrValveProc1 (695)				x		x	x	x	x





<b>K. Valve Surgery</b>									
VSTrRepair (3646)					x				
<b>L. Mechanical Cardiac Assist Devices</b>									
IABPWhen (3730)	x		x	x	x	x	x	x	x
CathBasAssistWhen (3760)	x		x	x		x	x	x	x
ECMOWhen (3780)	x		x	x		x	x	x	x

<b>Valve (AVRepl, MVRepl, MVRRepr)</b>	<b>Operative Mortality</b>	<b>Stroke</b>	<b>Renal Failure</b>	<b>Prolonged Ventilation</b>	<b>Deep Stern Infx</b>	<b>Reop</b>	<b>Mortality/Morbidity</b>	<b>Length of Stay&gt;14</b>	<b>Length of Stay&lt;6</b>
<b>B. Demographics</b>									
Age (70)	x	x	x	x	x	x	x	x	x
Gender (75)	x	x	x	x	x	x	x	x	x
RaceBlack (160)		x	x	x	x	x	x	x	x
RaceAsian (165)				x		x			x
Ethnicity (185)			x	x	x	x	x	x	x
RaceNativeAm (170)				x					
RacNativePacific (175)									
<b>C.Hospitalization</b>									
SurgDt (310)		x	x	x	x	x	x	x	x
PayorPrim (291)	x	x	x	x	x	x	x	x	x
PayorSecond (293)	x	x	x	x	x	x	x	x	x
<b>D. Risk Factors</b>									
WeightKg (335)	x	x	x	x	x	x	x	x	x
HeightCm (330)	x	x	x	x	x	x	x	x	x
Diabetes (360)	x	x	x	x	x		x	x	x
DiabCtrl (365)	x	x	x	x	x		x	x	x
Hct (575)	x	x	x	x	x	x	x	x	x
WBC (565)	x	x	x	x	x	x	x	x	x
Platelets (580)	x	x	x	x	x	x	x	x	x
CreatLst (585)	x	x	x	x	x	x	x	x	x
Dialysis (375)	x	x	x	x	x	x	x	x	x
Hypertn (380)	x		x	x			x	x	x
InfEndTy (840)	x	x	x	x	x	x	x	x	x
InfEndo (385)						x		x	

ChrLungD (405)	x	x	x	x	x		x	x	x
ImmSupp (490)	x	x			x	x	x	x	x
PVD (505)	x		x	x	x		x	x	x
CVD (525)	x	x	x	x			x	x	x
CVA (530)	x	x	x	x			x	x	x
CVAWhen (535)	x	x	x	x			x	x	x
CVDTIA (540)	x	x	x	x			x	x	x
CVDStenRt (550)		x		x					
CVDStenLft (555)		x		x					
CVDPCarSurg (560)	x		x				x		
IVDrugAb (470)	x	x		x		x		x	x
Alcohol (480)	x	x		x	x			x	x
Pneumonia (465)			x	x			x	x	x
MediastRad (495)	x		x	x			x	x	x
Cancer (500)									
TobaccoUse (400)		x		x	x	x	x		
FHCAD (355)									x
HmO2 (450)	x			x			x	x	x
SlpApn (460)									x
LiverDis (485)	x		x	x		x	x	x	x
UnrespStat (520)		x	x	x			x	x	
Syncope (515)		x							
<b>E. Previous Interventions</b>									
PrCAB (670)	x	x	x	x	x	x	x	x	x
PrValve (675)	x	x	x	x	x	x	x	x	x
PrValveProc1 (695)	x	x	x	x		x	x	x	x
PrValveProc2 (700)	x	x	x	x		x	x	x	x







VSTrRepair (3646)			x	x	x	x	x	x	x
<b>L. Mechanical Cardiac Assist Devices</b>									
IABPWhen (3730)		x	x	x	x	x	x	x	x
CathBasAssistWhen (3760)	x	x	x	x		x	x	x	x
ECMOWhen (3780)	x	x	x	x		x	x	x	x

Valve+CABG (AVRepl+CABG, MVRepl+CABG, MVRepr+CABG)	Operative Mortality	Stroke	Renal Failure	Prolonged Ventilation	Deep Stern Infx	Reop	Mortality/Morbidity	Length of Stay>14	Length of Stay<6
<b>B. Demographics</b>									
Age (70)	x	x	x	x	x	x	x	x	x
Gender (75)	x	x	x	x	x	x	x	x	x
RaceBlack (160)	x		x	x	x	x	x	x	x
RaceAsian (165)	x		x				x		x
Ethnicity (185)	x		x	x	x	x	x		x
RaceNativeAm (170)	x		x						
RacNativePacific (175)	x								
<b>C. Hospitalization</b>									
SurgDt (310)	x		x	x	x	x	x	x	x
PayorPrim (291)	x	x		x	x	x	x	x	x
PayorSecond (293)	x	x		x	x	x	x	x	x
<b>D. Risk Factors</b>									
WeightKg (335)	x	x	x	x	x	x	x	x	x
HeightCm (330)	x	x	x	x	x	x	x	x	x
Diabetes (360)	x	x	x	x	x	x	x	x	x
DiabCtrl (365)	x	x	x	x	x	x	x	x	x
Hct (575)	x	x	x	x	x	x	x	x	x
WBC (565)	x		x	x	x		x	x	x
Platelets (580)	x	x	x	x	x	x	x	x	x
CreatLst (585)	x	x	x	x	x	x	x	x	x
Dialysis (375)	x	x	x	x	x	x	x	x	x
Hypertn (380)						x	x		
InfEndTy (840)	x	x	x	x	x		x	x	x
InfEndo (385)									
ChrLungD (405)	x	x	x	x	x	x	x	x	x
ImmSupp (490)	x			x	x			x	x
PVD (505)	x	x		x	x		x	x	x

CVD (525)	x	x		x			x	x	x
CVA (530)	x	x		x			x	x	x
CVAWhen (535)	x	x		x			x	x	x
CVDTIA (540)	x	x		x			x	x	x
CVDStenRt (550)		x	x	x		x	x		x
CVDStenLft (555)		x	x	x		x	x		x
CVDPCarSurg (560)			x	x		x	x		
IVDrugAb (470)									x
Alcohol (480)	x			x	x				x
Pneumonia (465)				x			x		
MediastRad (495)			x	x			x	x	x
Cancer (500)	x		x						
TobaccoUse (400)	x		x	x	x	x	x		x
FHCAD (355)									
HmO2 (450)	x			x			x	x	x
SlpApn (460)				x					
LiverDis (485)	x		x	x		x	x	x	x
UnrespStat (520)		x		x			x	x	
Syncope (515)	x								
<b>E. Previous Interventions</b>									
PrCAB (670)	x		x	x	x	x	x	x	x
PrValve (675)	x		x	x	x	x	x	x	x
PrValveProc1 (695)	x		x	x			x		x
PrValveProc2 (700)	x		x	x			x		x
PrValveProc3 (705)	x		x	x			x		x
PrValveProc4 (710)	x		x	x			x		x
PrValveProc5 (715)	x		x	x			x		x
POC (805)	x		x	x	x	x	x	x	x
POCInt1 (810)	x		x	x	x	x	x	x	x
POCInt2 (815)	x		x	x	x	x	x	x	x

POCInt3 (820)	x		x	x	x	x	x	x	x
POCInt4 (825)	x		x	x	x	x	x	x	x
POCInt5 (830)	x		x	x	x	x	x	x	x
POCInt6 (835)	x		x	x	x	x	x	x	x
POCInt7 (840)	x		x	x	x	x	x	x	x
pocpci (775)	x		x						x
pocpciwhen (780)	x		x						x
pocpciin (800)	x		x						x
PrCVInt (665)			x						
<b>F. Preoperative Cardiac Status</b>									
MIWhen (890)	x		x	x			x		
HeartFailTmg (912)	x	x	x	x	x	x	x	x	x
ClassNYH (915)	x	x	x	x	x		x	x	x
CardSympTimeOfAdm (895)		x	x			x	x	x	
CarShock (930)	x		x	x		x	x	x	x
ArrhythAtrFib (961)	x	x	x	x	x	x	x	x	x
ArrhythAFib (962)	x	x	x	x	x	x	x	x	x
ArrhythAFlutter (960)	x		x	x	x		x	x	x
ArrhythThird (970)	x		x	x	x		x	x	x
ArrhythSecond (965)	x		x	x	x		x	x	x
ArrhythSSS (955)	x		x	x	x		x	x	x
ArrhythVV (950)	x			x			x	x	x
<b>G. Preoperative Medications</b>									
MedInotr (1130)				x			x	x	x
MedADP5Days (1060)				x		x	x		
MedADPIDis (1065)				x		x	x		
MedSter (1143)						x	x	x	

MedGP (1073)									
Resusc (935)	x	x	x	x	x	x	x	x	x
medacei48 (1020)								x	
<b>H. Hemodynamics and Cath</b>									
NumDisV (1170)	x	x	x	x	x	x	x	x	x
PctStenLMain (1195)	x			x			x		x
HDEF (1545)	x			x		x	x	x	x
PctStenProxLAD (1215)							x	x	x
VDStenA (1600)			x					x	
VDStenM (1690)	x					x		x	x
VDInsufA (1590)		x				x	x	x	x
VDInsufM (1680)	x			x			x	x	x
VDInsufT (1775)	x	x	x	x			x	x	x
VDAoPrimEt (1646)	x		x	x			x		x
<b>I. Operative</b>									
Incidenc (1970)	x		x	x	x	x	x	x	x
Status (1975)	x	x	x	x	x	x	x	x	x
<b>K. Valve Surgery</b>									
VSTrRepair (3646)				x	x		x	x	x
<b>L. Mechanical Cardiac Assist Devices</b>									
IABPWhen (3730)	x		x	x	x		x	x	x
CathBasAssistWhen (3760)	x		x	x		x	x	x	x
ECMOWhen (3780)	x		x	x		x	x	x	x