

Society of Thoracic Surgeons

Adult Cardiac Surgery Database

August 5, 2020



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Agenda

- Welcome and Introductions
- Housekeeping
- NYHA Classification
- Coronary Grid
- Arterial & Venous Conduits
- Aorta Devices
- AQO Update
- IQVIA Update
- Vendor Update
- Q&A – Please submit using the Q&A function



Housekeeping

v4.20 Data Spec Update

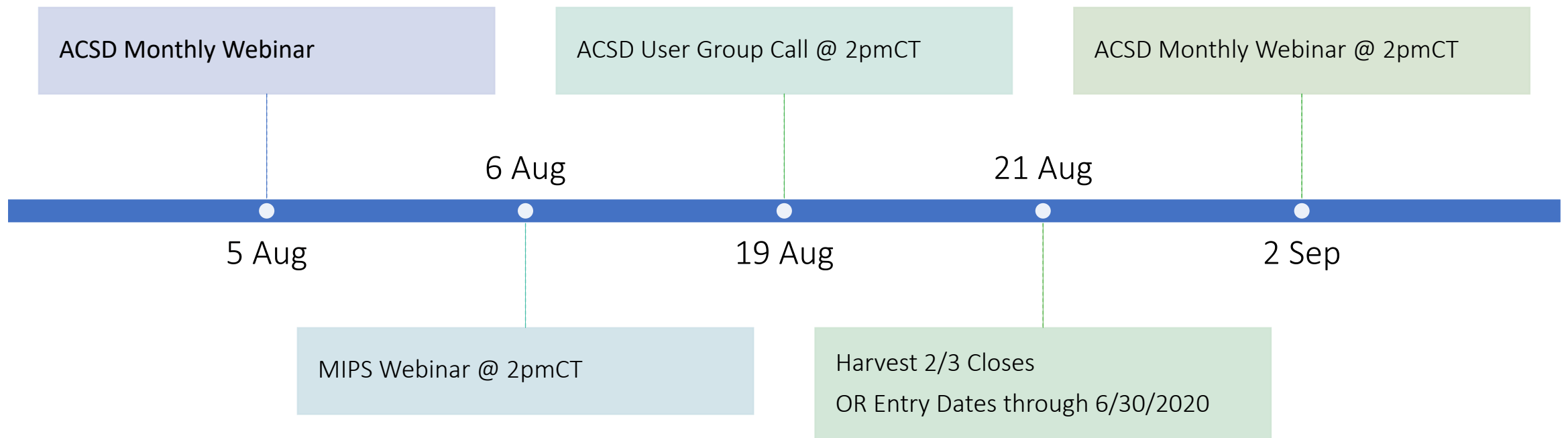
v4.20 Training Manual Update

August Training Manual

Surgeon Worksheets



Important Dates for Adult Cardiac



Version 4.20.2 Clarifications: NYHA Classification – ClassNYH - Seq 915

F. Preoperative Cardiac Status						
Prior Myocardial Infarction: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown (If Yes ↓) <i>PrevMI (885)</i>						
When: ** <input type="checkbox"/> ≤6 Hrs. <input type="checkbox"/> >6 Hrs. but ≤24 Hrs. <input type="checkbox"/> 1 to 7 Days <input type="checkbox"/> 8 to 21 Days <input type="checkbox"/> >21 Days <i>When (890)</i>						
Primary Coronary Symptom for Surgery: ** <i>CardSympTimeOfAdm (895)</i>						
<input type="checkbox"/> No Coronary Symptoms <input type="checkbox"/> Angina Equivalent <input type="checkbox"/> Stable Angina <input type="checkbox"/> Unstable Angina <input type="checkbox"/> ST Elevation MI (STEMI) <input type="checkbox"/> Non-ST Elevation MI (Non-STEMI) <input type="checkbox"/> Other						
Heart Failure: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown (If Yes →)		Timing: ** <input type="checkbox"/> Acute <input type="checkbox"/> Chronic <input type="checkbox"/> Both		Type: <input type="checkbox"/> Systolic <input type="checkbox"/> Diastolic <input type="checkbox"/> Both <input type="checkbox"/> Unavailable		
<i>HeartFail (911)</i>		<i>HeartFailTmg (912)</i>		<i>HeartFailType (913)</i>		
Classification-NYHA: ** <input type="checkbox"/> Class I <input type="checkbox"/> Class II <input type="checkbox"/> Class III <input type="checkbox"/> Class IV <input type="checkbox"/> Not Documented <i>ClassNYH (915)</i>						
Cardiogenic Shock: ** <input type="checkbox"/> Yes, at the time of the procedure <input type="checkbox"/> Yes, not at the time of the procedure but within prior 24 hours <input type="checkbox"/> No <i>CarShock (930)</i>						
Resuscitation: ** <input type="checkbox"/> Yes - Within 1 hour of the start of the procedure <input type="checkbox"/> Yes - More than 1 hour but less than 24 hours of the start of the procedure <input type="checkbox"/> No <i>Resusc (935)</i>						
Cardiac Arrhythmia: <input type="checkbox"/> Yes <input type="checkbox"/> No <i>Arrhythmia (945)</i>						
(If Arrhythmia = Yes →) Permanently Paced Rhythm: <input type="checkbox"/> Yes <input type="checkbox"/> No <i>ArrhythPPaced (947)</i>						
(If Arrhythmia = Yes, choose one response below for each rhythm →)	VTach/VFib** <i>ArrhythVV (950)</i>	Sick Sinus Syndrome** <i>ArrhythSSS (955)</i>	AFlutter** <i>ArrhythAFlutter (960)</i>	AFibrillation** <i>ArrhythAtrFib (961)</i>	Second Degree Heart Block** <i>ArrhythSecond (965)</i>	Third Degree Heart Block** <i>ArrhythThird (970)</i>
None						
Remote (> 30 days preop)						
Recent (≤ 30 days preop)						
(If AFibrillation is not None →)	Atrial Fibrillation Type: <input type="checkbox"/> Paroxysmal <input type="checkbox"/> Persistent <i>ArrhythAFib (971) **</i>					
(If AFibrillation = Recent →)	Was patient in A-fib at OR Entry? <input type="checkbox"/> Yes <input type="checkbox"/> No <i>AFibRecOREntry (972)</i>					

- Capturing it on all patients
 - Example: Mitral valve patients may have an NYHA classification but not have Heart Failure.
- If not document then code not documented
- The NYHA classification is being documented on patients without HF, just because an NYHA classification is documented does not mean the patient has Heart Failure.
 - You must have documentation of Heart Failure, other than an NYHA class, to code 'Yes' to HeartFail – seq 911
- What if a patient is HF Class II, but CCS Angina functional class is IV?
 - CCS, which is a classification for angina, and NYHA are two different things.
 - CCS is specific to angina

Version 4.20.2 Clarifications: NYHA Classification – ClassNYH - Seq 915

Do not assign or ‘code’ the NYHA Class level I, II, III, or IV, based solely on documented symptoms. You must have a documented NYHA Classification.

Polling Questions:

1. “Chief c/o: shortness of breath and palpitations; Patient states for the past week she has noticed that she becomes very short of breath especially when she is exerting herself. She is unable to lay flat at night as well.” No NYHA classification found in the patients records.
2. “Asymptomatic”
3. NYHA Class II to III – no other symptoms documented
 - Hint: Indicate the patient's worst dyspnea or functional class, coded as the New York Heart Association (NYHA) classification documented by a MD/Provider within the past 2 weeks.

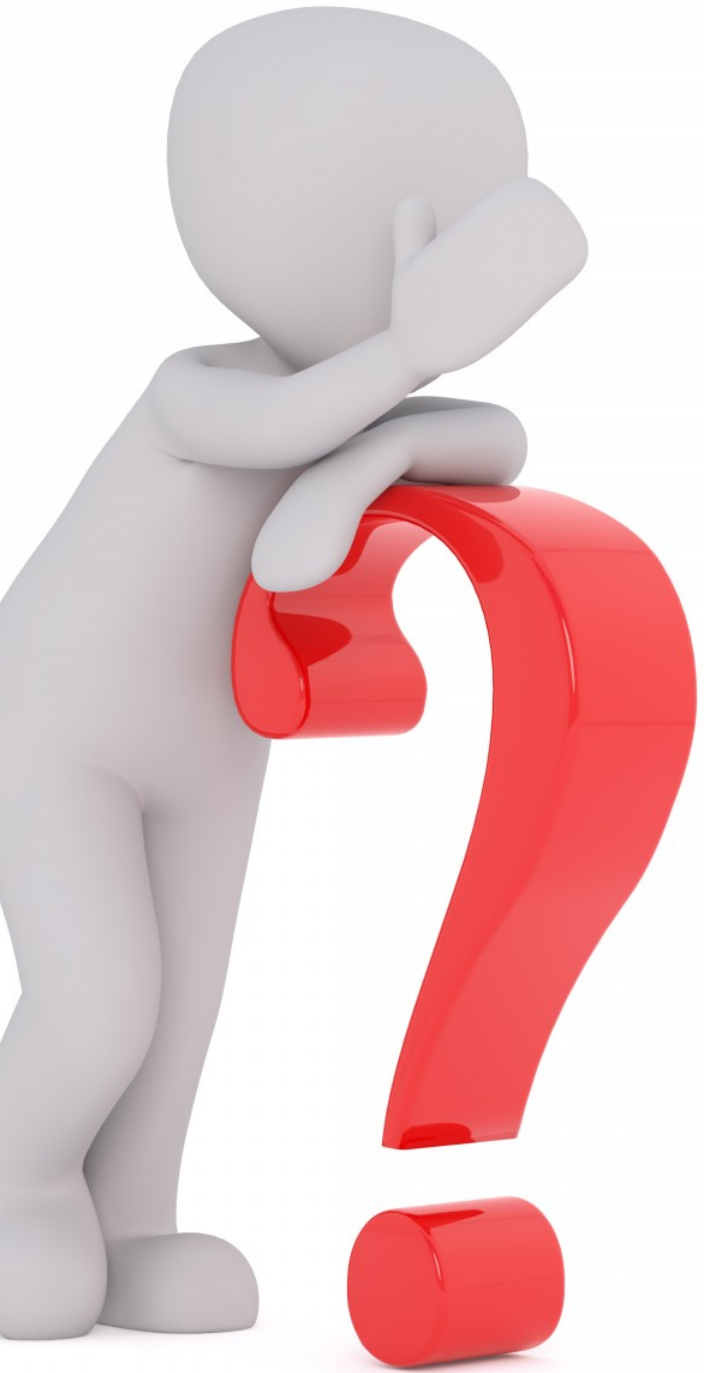


Version 4.20.2 Clarifications: Coronary Grid – Section H

- Once Diseased Always Disease
 - But what if it was stented?
 - It is still considered diseased
 - Code as disease as NumDisV – seq 1170
 - Code the current level of stenosis in the vessel delivering blood to the myocardium, if less than 50% than code 'no' to corresponding field

Cath/Echo		Cardiac Catheterization Date: ____/____/____
Cath/Echo Performed: <input type="checkbox"/> Yes <input type="checkbox"/> No (If Yes→)		CarCathDt (1150)
Disease known: <input type="checkbox"/> Yes <input type="checkbox"/> No (If Yes ↓)		
Number Diseased Vessels: **		
NumDisV (1170)		
(If one, two or three vessel disease ↓)		
**Left Main stenosis ≥ 50% known <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
StenLeftMain (1174)		
(If Yes→)	Is location of stenosis known: <input type="checkbox"/> Yes <input type="checkbox"/> No	
	StenLeftMainLctnKn (1176)	
	(If Yes select all that apply→)	<input type="checkbox"/> Native Artery Stenosis <input type="checkbox"/> Stenotic Graft <input type="checkbox"/> Stenotic Stent
		StenLeftMainLctn (1177)
**LAD distribution stenosis ≥ 50% known <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
LADDistSten (1178)		
(If Yes→)	<input type="checkbox"/> 50-69% <input type="checkbox"/> ≥ 70%	
	LADDistStenPercent (1179)	
	Is location of stenosis known: <input type="checkbox"/> Yes <input type="checkbox"/> No	
	LADDistStenCurRevLock (1180)	
	(If Yes select all that apply→)	<input type="checkbox"/> Native Artery Stenosis <input type="checkbox"/> Stenotic Graft <input type="checkbox"/> Stenotic Stent
		LADDistStenCurRev (1181)
Ramus stenosis ≥ 50% known <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
RamusSten (1182)		
(If Yes→)	<input type="checkbox"/> 50-69% <input type="checkbox"/> ≥ 70%	
	RamusStenPercent (1183)	
	Is location of stenosis known: <input type="checkbox"/> Yes <input type="checkbox"/> No	
	RamusStenCurRevLock (1184)	
	(If Yes select all that apply→)	<input type="checkbox"/> Native Artery Stenosis <input type="checkbox"/> Stenotic Graft <input type="checkbox"/> Stenotic Stent
		RamusStenCurRev (1185)
Circumflex distribution stenosis ≥ 50% known <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
CircDistSten (1186)		
(If Yes→)	<input type="checkbox"/> 50-69% <input type="checkbox"/> ≥ 70%	
	CircDistStenPercent (1187)	
	Is location of stenosis known: <input type="checkbox"/> Yes <input type="checkbox"/> No	
	CircDistStenCurRevLock (1188)	
	(If Yes select all that apply→)	<input type="checkbox"/> Native Artery Stenosis <input type="checkbox"/> Stenotic Graft <input type="checkbox"/> Stenotic Stent
		CircDistStenCurRev (1189)
Distribution stenosis ≥ 50% known <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
RCADistSten (1190)		
	<input type="checkbox"/> 50-69% <input type="checkbox"/> ≥ 70%	
	RCADistStenPercent (1191)	
	Is location of stenosis known: <input type="checkbox"/> Yes <input type="checkbox"/> No	
	RCADistStenCurRevLock (1192)	
	(If Yes select all that apply→)	<input type="checkbox"/> Native Artery Stenosis <input type="checkbox"/> Stenotic Graft <input type="checkbox"/> Stenotic Stent
		RCADistStenCurRev (1193)
Ejection Fraction: ** _____ (%)		
HDEF (1545)		





Version 4.20.2 Clarifications: Coronary Grid – Section H

- Polling Questions
 - Stent placed in 70% Prox LAD prior to AV Replacement
 - Stent placed in 60% Circ prior to AV Replacement
 - At time of Aortic Valve Replacement,
 - Prox LAD and Circ have patent stents (0% stenosis)
 - No other coronary artery stenosis found
- 1. How do you capture NumDisV – seq 1170?
- 2. How do you capture LADDistSten – seq 1178?
- 3. How do you capture LADDistStenPercent – seq 1179 (trick question)??
- 4. How do you capture CircDistSten – seq 1186?

J. Coronary Bypass

(If Coronary Artery Bypass = Yes)

Internal Mammary Artery (arteries) used: ☐ Yes ☐ No

(MA Used (2626))

(If Yes →) Left IMA: ☐ Yes, pedicle ☐ Yes, skeletonized ☐ No

Left IMA (2627)

(If Yes →) Right IMA: ☐ Yes, pedicle ☐ Yes, skeletonized ☐ No

Right IMA (2628)

(If No →) Reason for no IMA:

No IMA (2629)

☐ Subclavian stenosis

☐ Previous cardiac or thoracic surgery

Distal Anastomoses with Arterial Conduit(s) ☐ Yes ☐ No

Distal Anast Ar Cord (2630)

(If Yes →) Total Number of Distal Anastomoses with Arterial Conduit(s) ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 ☐ 8 ☐ 9 ☐ 10 ☐ 11 ☐ 12 ☐ 13 ☐ 14 ☐ 15 ☐ 16 ☐ 17 ☐ 18 ☐ 19 ☐ 20 ☐ 21 ☐ 22 ☐ 23 ☐ 24 ☐ 25 ☐ 26 ☐ 27 ☐ 28 ☐ 29 ☐ 30 ☐ 31 ☐ 32 ☐ 33 ☐ 34 ☐ 35 ☐ 36 ☐ 37 ☐ 38 ☐ 39 ☐ 40 ☐ 41 ☐ 42 ☐ 43 ☐ 44 ☐ 45 ☐ 46 ☐ 47 ☐ 48 ☐ 49 ☐ 50 ☐ 51 ☐ 52 ☐ 53 ☐ 54 ☐ 55 ☐ 56 ☐ 57 ☐ 58 ☐ 59 ☐ 60 ☐ 61 ☐ 62 ☐ 63 ☐ 64 ☐ 65 ☐ 66 ☐ 67 ☐ 68 ☐ 69 ☐ 70 ☐ 71 ☐ 72 ☐ 73 ☐ 74 ☐ 75 ☐ 76 ☐ 77 ☐ 78 ☐ 79 ☐ 80 ☐ 81 ☐ 82 ☐ 83 ☐ 84 ☐ 85 ☐ 86 ☐ 87 ☐ 88 ☐ 89 ☐ 90 ☐ 91 ☐ 92 ☐ 93 ☐ 94 ☐ 95 ☐ 96 ☐ 97 ☐ 98 ☐ 99 ☐ 100 ☐ 101 ☐ 102 ☐ 103 ☐ 104 ☐ 105 ☐ 106 ☐ 107 ☐ 108 ☐ 109 ☐ 110 ☐ 111 ☐ 112 ☐ 113 ☐ 114 ☐ 115 ☐ 116 ☐ 117 ☐ 118 ☐ 119 ☐ 120 ☐ 121 ☐ 122 ☐ 123 ☐ 124 ☐ 125 ☐ 126 ☐ 127 ☐ 128 ☐ 129 ☐ 130 ☐ 131 ☐ 132 ☐ 133 ☐ 134 ☐ 135 ☐ 136 ☐ 137 ☐ 138 ☐ 139 ☐ 140 ☐ 141 ☐ 142 ☐ 143 ☐ 144 ☐ 145 ☐ 146 ☐ 147 ☐ 148 ☐ 149 ☐ 150 ☐ 151 ☐ 152 ☐ 153 ☐ 154 ☐ 155 ☐ 156 ☐ 157 ☐ 158 ☐ 159 ☐ 160 ☐ 161 ☐ 162 ☐ 163 ☐ 164 ☐ 165 ☐ 166 ☐ 167 ☐ 168 ☐ 169 ☐ 170 ☐ 171 ☐ 172 ☐ 173 ☐ 174 ☐ 175 ☐ 176 ☐ 177 ☐ 178 ☐ 179 ☐ 180 ☐ 181 ☐ 182 ☐ 183 ☐ 184 ☐ 185 ☐ 186 ☐ 187 ☐ 188 ☐ 189 ☐ 190 ☐ 191 ☐ 192 ☐ 193 ☐ 194 ☐ 195 ☐ 196 ☐ 197 ☐ 198 ☐ 199 ☐ 200 ☐ 201 ☐ 202 ☐ 203 ☐ 204 ☐ 205 ☐ 206 ☐ 207 ☐ 208 ☐ 209 ☐ 210 ☐ 211 ☐ 212 ☐ 213 ☐ 214 ☐ 215 ☐ 216 ☐ 217 ☐ 218 ☐ 219 ☐ 220 ☐ 221 ☐ 222 ☐ 223 ☐ 224 ☐ 225 ☐ 226 ☐ 227 ☐ 228 ☐ 229 ☐ 230 ☐ 231 ☐ 232 ☐ 233 ☐ 234 ☐ 235 ☐ 236 ☐ 237 ☐ 238 ☐ 239 ☐ 240 ☐ 241 ☐ 242 ☐ 243 ☐ 244 ☐ 245 ☐ 246 ☐ 247 ☐ 248 ☐ 249 ☐ 250 ☐ 251 ☐ 252 ☐ 253 ☐ 254 ☐ 255 ☐ 256 ☐ 257 ☐ 258 ☐ 259 ☐ 260 ☐ 261 ☐ 262 ☐ 263 ☐ 264 ☐ 265 ☐ 266 ☐ 267 ☐ 268 ☐ 269 ☐ 270 ☐ 271 ☐ 272 ☐ 273 ☐ 274 ☐ 275 ☐ 276 ☐ 277 ☐ 278 ☐ 279 ☐ 280 ☐ 281 ☐ 282 ☐ 283 ☐ 284 ☐ 285 ☐ 286 ☐ 287 ☐ 288 ☐ 289 ☐ 290 ☐ 291 ☐ 292 ☐ 293 ☐ 294 ☐ 295 ☐ 296 ☐ 297 ☐ 298 ☐ 299 ☐ 300 ☐ 301 ☐ 302 ☐ 303 ☐ 304 ☐ 305 ☐ 306 ☐ 307 ☐ 308 ☐ 309 ☐ 310 ☐ 311 ☐ 312 ☐ 313 ☐ 314 ☐ 315 ☐ 316 ☐ 317 ☐ 318 ☐ 319 ☐ 320 ☐ 321 ☐ 322 ☐ 323 ☐ 324 ☐ 325 ☐ 326 ☐ 327 ☐ 328 ☐ 329 ☐ 330 ☐ 331 ☐ 332 ☐ 333 ☐ 334 ☐ 335 ☐ 336 ☐ 337 ☐ 338 ☐ 339 ☐ 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673 ☐ 674 ☐ 675 ☐ 676 ☐ 677 ☐ 678 ☐ 679 ☐ 680 ☐ 681 ☐ 682 ☐ 683 ☐ 684 ☐ 685 ☐ 686 ☐ 687 ☐ 688 ☐ 689 ☐ 690 ☐ 691 ☐ 692 ☐ 693 ☐ 694 ☐ 695 ☐ 696 ☐ 697 ☐ 698 ☐ 699 ☐ 700 ☐ 701 ☐ 702 ☐ 703 ☐ 704 ☐ 705 ☐ 706 ☐ 707 ☐ 708 ☐ 709 ☐ 710 ☐ 711 ☐ 712 ☐ 713 ☐ 714 ☐ 715 ☐ 716 ☐ 717 ☐ 718 ☐ 719 ☐ 720 ☐ 721 ☐ 722 ☐ 723 ☐ 724 ☐ 725 ☐ 726 ☐ 727 ☐ 728 ☐ 729 ☐ 730 ☐ 731 ☐ 732 ☐ 733 ☐ 734 ☐ 735 ☐ 736 ☐ 737 ☐ 738 ☐ 739 ☐ 740 ☐ 741 ☐ 742 ☐ 743 ☐ 744 ☐ 745 ☐ 746 ☐ 747 ☐ 748 ☐ 749 ☐ 750 ☐ 751 ☐ 752 ☐ 753 ☐ 754 ☐ 755 ☐ 756 ☐ 757 ☐ 758 ☐ 759 ☐ 760 ☐ 761 ☐ 762 ☐ 763 ☐ 764 ☐ 765 ☐ 766 ☐ 767 ☐ 768 ☐ 769 ☐ 770 ☐ 771 ☐ 772 ☐ 773 ☐ 774 ☐ 775 ☐ 776 ☐ 777 ☐ 778 ☐ 779 ☐ 780 ☐ 781 ☐ 782 ☐ 783 ☐ 784 ☐ 785 ☐ 786 ☐ 787 ☐ 788 ☐ 789 ☐ 790 ☐ 791 ☐ 792 ☐ 793 ☐ 794 ☐ 795 ☐ 796 ☐ 797 ☐ 798 ☐ 799 ☐ 800 ☐ 801 ☐ 802 ☐ 803 ☐ 804 ☐ 805 ☐ 806 ☐ 807 ☐ 808 ☐ 809 ☐ 810 ☐ 811 ☐ 812 ☐ 813 ☐ 814 ☐ 815 ☐ 816 ☐ 817 ☐ 818 ☐ 819 ☐ 820 ☐ 821 ☐ 822 ☐ 823 ☐ 824 ☐ 825 ☐ 826 ☐ 827 ☐ 828 ☐ 829 ☐ 830 ☐ 831 ☐ 832 ☐ 833 ☐ 834 ☐ 835 ☐ 836 ☐ 837 ☐ 838 ☐ 839 ☐ 840 ☐ 841 ☐ 842 ☐ 843 ☐ 844 ☐ 845 ☐ 846 ☐ 847 ☐ 848 ☐ 849 ☐ 850 ☐ 851 ☐ 852 ☐ 853 ☐ 854 ☐ 855 ☐ 856 ☐ 857 ☐ 858 ☐ 859 ☐ 860 ☐ 861 ☐ 862 ☐ 863 ☐ 864 ☐ 865 ☐ 866 ☐ 867 ☐ 868 ☐ 869 ☐ 870 ☐ 871 ☐ 872 ☐ 873 ☐ 874 ☐ 875 ☐ 876 ☐ 877 ☐ 878 ☐ 879 ☐ 880 ☐ 881 ☐ 882 ☐ 883 ☐ 884 ☐ 885 ☐ 886 ☐ 887 ☐ 888 ☐ 889 ☐ 890 ☐ 891 ☐ 892 ☐ 893 ☐ 894 ☐ 895 ☐ 896 ☐ 897 ☐ 898 ☐ 899 ☐ 900 ☐ 901 ☐ 902 ☐ 903 ☐ 904 ☐ 905 ☐ 906 ☐ 907 ☐ 908 ☐ 909 ☐ 910 ☐ 911 ☐ 912 ☐ 913 ☐ 914 ☐ 915 ☐ 916 ☐ 917 ☐ 918 ☐ 919 ☐ 920 ☐ 921 ☐ 922 ☐ 923 ☐ 924 ☐ 925 ☐ 926 ☐ 927 ☐ 928 ☐ 929 ☐ 930 ☐ 931 ☐ 932 ☐ 933 ☐ 934 ☐ 935 ☐ 936 ☐ 937 ☐ 938 ☐ 939 ☐ 940 ☐ 941 ☐ 942 ☐ 943 ☐ 944 ☐ 945 ☐ 946 ☐ 947 ☐ 948 ☐ 949 ☐ 950 ☐ 951 ☐ 952 ☐ 953 ☐ 954 ☐ 955 ☐ 956 ☐ 957 ☐ 958 ☐ 959 ☐ 960 ☐ 961 ☐ 962 ☐ 963 ☐ 964 ☐ 965 ☐ 966 ☐ 967 ☐ 968 ☐ 969 ☐ 970 ☐ 971 ☐ 972 ☐ 973 ☐ 974 ☐ 975 ☐ 976 ☐ 977 ☐ 978 ☐ 979 ☐ 980 ☐ 981 ☐ 982 ☐ 983 ☐ 984 ☐ 985 ☐ 986 ☐ 987 ☐ 988 ☐ 989 ☐ 990 ☐ 991 ☐ 992 ☐ 993 ☐ 994 ☐ 995 ☐ 996 ☐ 997 ☐ 998 ☐ 999 ☐ 1000 ☐ 1001 ☐ 1002 ☐ 1003 ☐ 1004 ☐ 1005 ☐ 1006 ☐ 1007 ☐ 1008 ☐ 1009 ☐ 1010 ☐ 1011 ☐ 1012 ☐ 1013 ☐ 1014 ☐ 1015 ☐ 1016 ☐ 1017 ☐ 1018 ☐ 1019 ☐ 1020 ☐ 1021 ☐ 1022 ☐ 1023 ☐ 1024 ☐ 1025 ☐ 1026 ☐ 1027 ☐ 1028 ☐ 1029 ☐ 1030 ☐ 1031 ☐ 1032 ☐ 1033 ☐ 1034 ☐ 1035 ☐ 1036 ☐ 1037 ☐ 1038 ☐ 1039 ☐ 1040 ☐ 1041 ☐ 1042 ☐ 1043 ☐ 1044 ☐ 1045 ☐ 1046 ☐ 1047 ☐ 1048 ☐ 1049 ☐ 1050 ☐ 1051 ☐ 1052 ☐ 1053 ☐ 1054 ☐ 1055 ☐ 1056 ☐ 1057 ☐ 1058 ☐ 1059 ☐ 1060 ☐ 1061 ☐ 1062 ☐ 1063 ☐ 1064 ☐ 1065 ☐ 1066 ☐ 1067 ☐ 1068 ☐ 1069 ☐ 1070 ☐ 1071 ☐ 1072 ☐ 1073 ☐ 1074 ☐ 1075 ☐ 1076 ☐ 1077 ☐ 1078 ☐ 1079 ☐ 1080 ☐ 1081 ☐ 1082 ☐ 1083 ☐ 1084 ☐ 1085 ☐ 1086 ☐ 1087 ☐ 1088 ☐ 1089 ☐ 1090 ☐ 1091 ☐ 1092 ☐ 1093 ☐ 1094 ☐ 1095 ☐ 1096 ☐ 1097 ☐ 1098 ☐ 1099 ☐ 1100 ☐ 1101 ☐ 1102 ☐ 1103 ☐ 1104 ☐ 1105 ☐ 1106 ☐ 1107 ☐ 1108 ☐ 1109 ☐ 1110 ☐ 1111 ☐ 1112 ☐ 1113 ☐ 1114 ☐ 1115 ☐ 1116 ☐ 1117 ☐ 1118 ☐ 1119 ☐ 1120 ☐ 1121 ☐ 1122 ☐ 1123 ☐ 1124 ☐ 1125 ☐ 1126 ☐ 1127 ☐ 1128 ☐ 1129 ☐ 1130 ☐ 1131 ☐ 1132 ☐ 1133 ☐ 1134 ☐ 1135 ☐ 1136 ☐ 1137 ☐ 1138 ☐ 1139 ☐ 1140 ☐ 1141 ☐ 1142 ☐ 1143 ☐ 1144 ☐ 1145 ☐ 1146 ☐ 1147 ☐ 1148 ☐ 1149 ☐ 1150 ☐ 1151 ☐ 1152 ☐ 1153 ☐ 1154 ☐ 1155 ☐ 1156 ☐ 1157 ☐ 1158 ☐ 1159 ☐ 1160 ☐ 1161 ☐ 1162

(If Coronary Artery Bypass = Yes)

Internal Mammary Artery (arteries) used: ++ ☐ Yes ☐ No

IMAUsed (2626)

(If Yes→) Left IMA: ☐ Yes, pedicle ☐ Yes, skeletonized ☐ No/NA

LeftIMA (2627)

(If Yes→) Right IMA: ☐ Yes, pedicle ☐ Yes, skeletonized ☐ No/NA

RightIMA (2628)

(If No→) Reason for no IMA:

NoIMARsn (2629)

☐ Subclavian
stenosis

☐ Previous
mediastinal radiation

☐ Previous cardiac
or thoracic surgery

☐ Emergent or
salvage procedure

TotlNoDistAnastArtCond

- Count any graft with the distal
portion of a graft that is artery

Distal Anastomoses with Arterial Conduit(s) ☐ Yes ☐ No

DistAnastArtCond (2630)

(If Yes→) Total Number of Distal Anastomoses with Arterial Conduits: _____

TotalNoDistAnastArtCond (2631)

Distal Anastomoses with Radial Artery Conduit(s)

☐ Yes ☐ No (If Yes→)

RadialArtUsed (2633)

Total Number of Distal Anastomoses with radial artery conduits: _____

NumRadDA (2634)

Radial Artery Harvest and Prep Time: _____ (minutes)

RadHarPrepTm (2636)

Distal Anastomoses with Venous Conduit(s) used: ☐ Yes ☐ No (If

Yes→)

VenousCondUs

DistVein

- Count any graft with the distal
portion of a graft that is venous
- Composite IMA/Vein - distal
portion vein – code as venous but
still capture IMAUsed – seq 2626

Total Number of Distal Anastomoses with venous conduits: _____

DistVein (2638)

Superficial Vein Harvest and Prep Time: _____ (minutes)

SuperfHarPrepTm (2640)



Version 4.20.2 Clarification – Aorta Devices

			(Refer to Data Specifications for Harvest Codes)
For devices other than aortic valves and aortic valve composite grafts:			
Implant Method:	1=Open Surgical 2= Endovascular		
Outcome:	1= Unsuccessfully implanted/maldeployed 2= Implanted and removed 3= Successful		
Model Number:	Enter device model number		
UDI:	Enter unique device identifier (not serial number)		
Location (Letter)	Implant Method	Outcome	Model Number
ADevLoc01 (5450)	ADevDelMeth01 (5455)	ADevOut01 (5460)	ADevModel01 (5465)
ADevLoc02 (5475)	ADevDelMeth02 (5480)	ADevOut02 (5485)	ADevModel02 (5490)
ADevLoc03 (5500)	ADevDelMeth03 (5505)	ADevOut03 (5510)	ADevModel03 (5515)
ADevLoc04 (5525)	ADevDelMeth04 (5530)	ADevOut04 (5535)	ADevModel04 (5540)
ADevLoc05 (5550)	ADevDelMeth05 (5555)	ADevOut05 (5560)	ADevModel05 (5565)
ADevLoc06 (5575)	ADevDelMeth06 (5580)	ADevOut06 (5585)	ADevModel06 (5590)
ADevLoc07 (5600)	ADevDelMeth07 (5605)	ADevOut07 (5610)	ADevModel07 (5615)
ADevLoc08 (5625)	ADevDelMeth08 (5630)	ADevOut08 (5635)	ADevModel08 (5640)
ADevLoc09 (5650)	ADevDelMeth09 (5655)	ADevOut09 (5660)	ADevModel09 (5665)
ADevLoc10 (5675)	ADevDelMeth10 (5680)	ADevOut10 (5685)	ADevModel10 (5690)
ADevLoc11 (5700)	ADevDelMeth11 (5705)	ADevOut11 (5710)	ADevModel11 (5715)
ADevLoc12 (5725)	ADevDelMeth12 (5730)	ADevOut12 (5735)	ADevModel12 (5740)
ADevLoc13 (5750)	ADevDelMeth13 (5755)	ADevOut13 (5760)	ADevModel13 (5765)
ADevLoc14 (5775)	ADevDelMeth14 (5780)	ADevOut14 (5785)	ADevModel14 (5790)
ADevLoc15 (5800)	ADevDelMeth15 (5805)	ADevOut15 (5810)	ADevModel15 (5815)

464	7320## - Vascutek Gelweave Trifurcate Arch
465	7350##ST - Vascutek Gelweave Pre-curved
500	TAS - LifeNet CardioGraft Thoracic Aorta - S
776	Surgeon Fashioned Device
777	Other US FDA-Approved Device
778	Other Non-US FDA-Approved Device
800	DSF##-## - GORE DrySeal Introducer Sheath
801	RLT##-##-## - GORE Trunk - Ipsilateral Leg B
802	PCL##-##-## - GORE Contralateral Leg Endo
803	PLA##-##-## - GORE Aortic Extender Endop
804	PLL##-##-## - GORE Iliac Extender Endopros
805	CEB23-##-##A - GORE Excluder Iliac Branch
806	HGB16-##-07A - GORE Internal Iliac Compo

Please Enter the Harvest Codes

This will be posted in the v4.20.2 Resource Section



Direct Data Entry

- Email STSDDB@sts.org



- Tuesday, September 29 – Intermacs/Pedimacs
- Wednesday, September 30 – General Thoracic
- Thursday, October 1 – Adult Cardiac
- Friday, October 2 – Congenital



Advances in Quality & Outcomes: A Data Managers Meeting



ADVANCES IN QUALITY & OUTCOMES:
A Data Managers Meeting
 September 29 – October 2, 2020 ■ VIRTUAL



September 29, 2020 - October 2, 2020



Pricing

	Member		Non-Member	
	Early Bird	After Sept. 7	Early Bird	After Sept. 7
Tuesday, September 29: Intermacs/Pedimacs	\$75	\$150	\$100	\$200
Wednesday, September 30: General Thoracic	\$75	\$150	\$100	\$200
Thursday, October 1: Adult Cardiac	\$75	\$150	\$100	\$200
Friday, October 2: Congenital	\$75	\$150	\$100	\$200
Multiday or All Days	\$150	\$300	\$200	\$400

Questions? - Contact Emily Conrad @ EConrad@sts.org



AQO 2021 DENVER!

IQVIA Update

Melanie Bent



IQVIA August 1st Release Update

The following fix updates were released the weekend of **August 1st**

General Update Information

- The IQVIA platform was updated from 1.30 to product version 1.31

Direct Data Entry

- STS-3469 - Direct Data Entry - Calculated field MELD Score "melscr" did not provide the expected automatic calculation, the field was left as a blank entry.

Data Quality Report

- STS-3423 – DQR populates all warning messages but no response when selecting on individual warnings
- STS-2976 – DQR warning message indicating data on Atrial Fibrillation Procedures is missing, updated logic to not appear when disabled

Harvest Summary Report

- STS-3241 – Harvest Summary Report – warning message descriptions and logic updated for urgemergrsn for 2.81 and 2.9



IQVIA August 1st Release Update Con't

The following fix updates were released the weekend of **August 1st**

ACSD Dashboard Report

- STS-1923 - STS-ACSD Participant Dashboard Report 2.81 Procedure Identification Filtering Logic has been updated per documentation from DCRI
- STS-2290 – Dashboard Report displaying incorrect core temp source pointing to TYMPANIC instead of NASOPHARYNGEAL

Missing Variable Report

- STS-2486 – MVR Report Update - To support the 4.20.2 data version upgrade – we are updating the report to include 4.20.2 variables
- STS-3162 – MVR displays 6/81 for number of cases for variable (DISCHDT) but only 3 cases appear in the case list
- STS-3186 – MVR requiring discharge date for expired patients
- STS-3226 – MVR is displaying 200% and 400% missing data fields



IQVIA August 1st Release Update Con't

The following enhancements were released the weekend of **August 1st**

The MIPS 2020 Enrollment Consent Form is Now Available

- Providers and provider delegates can now submit their 2020 participation consent electronically using the IQVIA platform.

Uploader Guidance text has been added for IQVIA Direct Data Entry Users on the Uploader Interface

- Guidance text has been added to the Uploader Interface which is only applicable for IQVIA Direct Data Entry Users who are transitioning from another software vendor.



IQVIA Issues Under Review

Priority issues under review for immediate patch release (timing to be determined)

Uploader

- STS-3615 - STS-ACSD: v4.2 vsmvrepappsurg giving critical error when uploading comma-separated codes. This is impacting all fields that are defined as a multi-select field - 43 fields have been identified.
- STS-3267 – STS-ACSD: Records not being updated in subsequent uploads when only time field is changed.



IQVIA Upcoming August 8th Release Update

The following updates are scheduled for deployment the weekend of **August 8**

New ACSD Report Available – Risk Score Match Report


- **The Risk Score Match Report** will allow users to review the predicted mortality values are being calculated as expected and will display the comparison match results for those values that are generated by the software vendors and the IQVIA data warehouse.
- The initial launch of the report will display the results for data version 2.9
- Updates will continue to include the 4.20.2 and 2.81 data versions



ACSD Risk Score Match Report



IQVIA Update – ACSD Risk Score Match Report

**STS National Database**
Trusted. Transformed. Real-Time.

PLATFORM

Case Forms

Form Management

Notifications

ANALYTICS

Operational Reports

RESOURCES

Library

ACSD Participant Dashboard Report

STS Reports

Risk Score Match Report

[Risk Score Match Report](#)

The Risk Score Match report will assist in identifying records that do not match the STS Risk Score Match report. It will indicate the percent of records where the match was successful.

Risk Score Match Report

Risk Score Match Report

Summary Level View

Short Name	Percent Match
Operative Mortality: CAB-Only	75 %
Operative Mortality: Valve-Only	98 %
Operative Mortality: MV Repair + CAB	37 %
Morbidity: Any Reoperation	80 %
Morbidity: Permanent Stroke	77 %
Morbidity: Renal Failure	77 %
Morbidity: Deep Sternal Infection	38 %
Morbidity: Prolonged Ventilation	75 %
Combined Outcomes: Morbidity and/or Mortality	82 %
Short Length of Stay (<6 days)	67 %
Long Length of Stay (>14 days)	44 %
Operative Mortality: All Other	88 %

Detailed Level View

Time Period	Short Name	RecordID	ProcID	ParticipantValue	IQVIA Value	Result
5/20/2019 4:00:00 AM	Operative Mortality: CAB-Only	V123484	1	0.01021	0.01022	Match
5/20/2019 4:00:00 AM	Operative Mortality: CAB-Only	V123483	1	0.00898	0.00899	Match
5/18/2019 4:00:00 AM	Operative Mortality: CAB-Only	V123481	1	0.00417	0.00417	Match
5/17/2019 4:00:00 AM	Operative Mortality: CAB-Only	V123477	1	0.03772	0.03773	Match
5/17/2019 4:00:00 AM	Operative Mortality: CAB-Only	V123476	1	0.00773	0.00773	Match
5/16/2019 4:00:00 AM	Operative Mortality: CAB-Only	V123475	1	0.00798	0.00889	No Match
5/15/2019 4:00:00 AM	Operative Mortality: CAB-Only	V123468	1	0.30764	0.30765	Match
5/14/2019 4:00:00 AM	Operative Mortality: CAB-Only	V123466	1	0.03595	0.04170	No Match
5/13/2019 4:00:00 AM	Operative Mortality: CAB-Only	V123465	1	0.06402	0.06404	Match
5/8/2019 4:00:00 AM	Operative Mortality: CAB-Only	V123460	1	0.00805	0.00805	Match
6/3/2020 4:00:00 AM	Operative Mortality: CAB-Only	V1234569	1		0.01086	No Match
6/3/2020 4:00:00 AM	Operative Mortality: CAB-Only	V1234567	1		0.01086	No Match
10/15/2017 4:00:00 AM	Operative Mortality: CAB-Only	V1234563	1		0.01086	No Match
5/2/2019 4:00:00 AM	Operative Mortality: CAB-Only	V123446	1	0.00610	0.00610	Match
4/29/2019 4:00:00 AM	Operative Mortality: CAB-Only	V123444	1	0.04883	0.04884	Match
4/18/2019 4:00:00 AM	Operative Mortality: CAB-Only	V123443	1	0.01316	0.01316	Match

Risk Score Match Report

Risk Score Match Report

Summary Level View

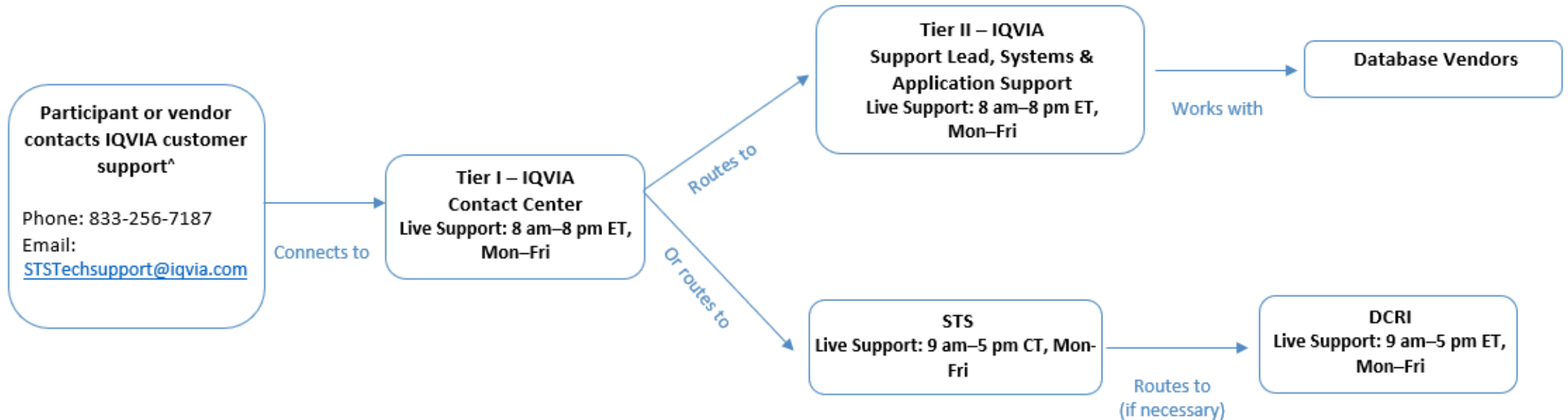
Short Name	Percent Match
Operative Mortality: CAB-Only	75 %
Operative Mortality: Valve-Only	98 %
Operative Mortality: MV Repair + CAB	37 %
Morbidity: Any Reoperation	80 %
Morbidity: Permanent Stroke	77 %
Morbidity: Renal Failure	77 %
Morbidity: Deep Sternal Infection	38 %
Morbidity: Prolonged Ventilation	75 %
Combined Outcomes: Morbidity and/or Mortality	82 %
Short Length of Stay (<6 days)	67 %
Long Length of Stay (>14 days)	44 %
Operative Mortality: All Other	88 %

Detailed Level View

Time Period	Short Name	RecordID	ProcID	ParticipantValue	IQVIA Value	Result
12/14/2017 5:00:00 AM	Operative Mortality: Valve-Only	V376686	2	0.01716	0.01717	Match
7/18/2017 4:00:00 AM	Operative Mortality: Valve-Only	V376010	2	0.01019	0.01019	Match
12/12/2019 5:00:00 AM	Operative Mortality: Valve-Only	V33402164	2	0.00477	0.00477	Match
10/11/2019 4:00:00 AM	Operative Mortality: Valve-Only	V33398896	2	0.04252	0.04253	Match
9/12/2019 4:00:00 AM	Operative Mortality: Valve-Only	V33397516	2	0.02372	0.02372	Match
8/7/2019 4:00:00 AM	Operative Mortality: Valve-Only	V33395258	2	0.02077	0.02078	Match
8/2/2019 4:00:00 AM	Operative Mortality: Valve-Only	V33395097	2	0.12573	0.12575	Match
7/25/2019 4:00:00 AM	Operative Mortality: Valve-Only	V33394442	2	0.01272	0.01272	Match
3/15/2019 4:00:00 AM	Operative Mortality: Valve-Only	V33386109	2	0.01376	0.01376	Match
2/28/2019 5:00:00 AM	Operative Mortality: Valve-Only	V33384385	2	0.01195	0.01195	Match
12/14/2018 5:00:00 AM	Operative Mortality: Valve-Only	V33377847	2	0.00664	0.00665	Match
12/4/2018 5:00:00 AM	Operative Mortality: Valve-Only	V33369106	2	0.00792	0.00792	Match
8/1/2018 4:00:00 AM	Operative Mortality: Valve-Only	V33325225	2	0.01456	0.01457	Match
7/17/2018 4:00:00 AM	Operative Mortality: Valve-Only	V33315132	2	0.03282	0.03283	Match
7/6/2018 4:00:00 AM	Operative Mortality: Valve-Only	V33304625	2	0.04793	0.04795	Match
5/4/2018 4:00:00 AM	Operative Mortality: Valve-Only	V33269876	2	0.00492	0.00492	Match



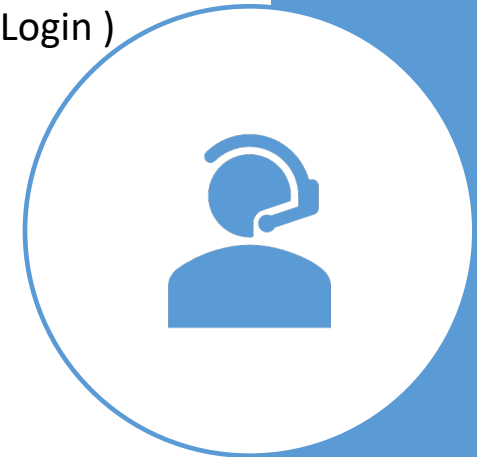
IQVIA's Support Plan



^ Inquiries received outside live support hours will require a 24-hour turnaround window (i.e., one business day) for responses.

Resources

- [STS National Database Webpage](#)
- STSTechSupport@IQVIA.com (Uploader, DQR, Missing Variable, Dashboard, Password and Login)
- Phone Support: 1-833-256-7187
- [STS National Database Feedback Form](#)
- Resource Documents
 - Contact Information
 - Webinar Information
 - FAQ Document
 - Go-Live Checklist
 - Tiered-level Support Document
 - *Training Videos*
 - *Link to IQVIA*
 - ckrohn@sts.org



Contact Information

- Carole Krohn, Sr. Clinical Manager, STS National Database
 - CKrohn@sts.org
 - 312-202-5847
- Database Operational Questions
 - STSDB@sts.org



Open Discussion

Please use the Q&A Function.

We will answer as many questions as possible.

We encourage your feedback and want to hear from you!

Thank you for joining!