

# Society of Thoracic Surgeons

## Adult Cardiac Surgery Database

October 7, 2020



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

# Agenda

- Welcome and Introductions
- Housekeeping
- Coronary Disease Clarification – Polling!!
- IQVIA Update
- Q&A – Please submit using the Q&A function



# Housekeeping

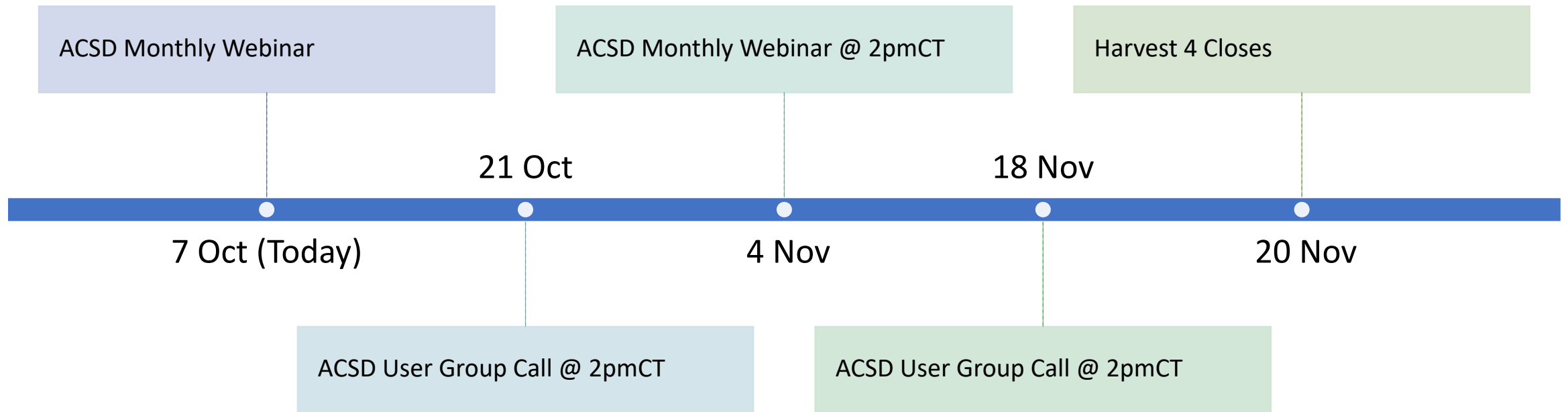
v4.20 Data Spec Update

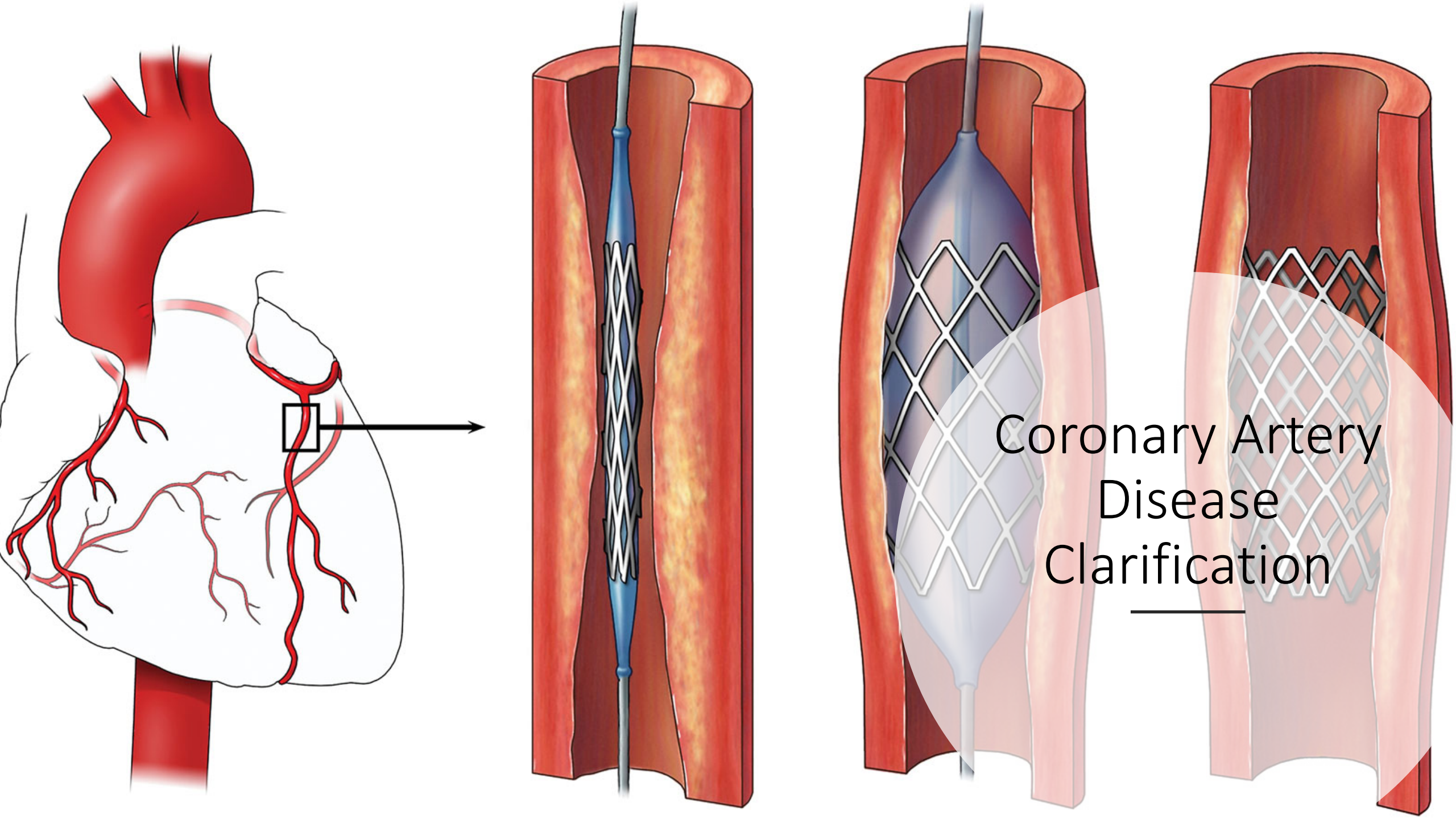
v4.20 Training Manual Update

AQO Update



# Important Dates for Adult Cardiac





## H. Hemodynamics/Cath/Echo

Cardiac Catheterization Performed : ☐ Yes ☐ No (If Yes→)

CarCathPer (1145)

Cardiac Catheterization Date: \_\_/\_\_/\_\_\_\_

CarCathDt (1150)

Coronary Anatomy/Disease known: ☐ Yes ☐ No (If Yes ↓)

CorAnatDisKnown (1155)

Number ☐ None ☐ One ☐ Two ☐ Three

Diseased

Vessels : \*\*

NumDisV (1170)

(If one, two or three vessel disease ↓)

\*\*Left Main stenosis ≥ 50% known ☐ Yes ☐ No ☐ N/A

StenLeftMain (1174)

(If Yes→)

Is location of stenosis known: ☐ Yes ☐ No

StenLeftMainLctnKn (1176)

(If Yes select all that apply→)

☐ Native Artery Stenosis ☐ Stenotic Graft ☐ Stenotic Stent

StenLeftMainLctn (1177)

\*\*LAD distribution stenosis ≥ 50% known ☐ Yes ☐ No ☐ N/A

LADDistSten (1178)

☐ 50-69% ☐ ≥ 70%

LADDistStenPercent (1179)

Is location of stenosis known: ☐ Yes ☐ No

LADDistStenCurRevLock (1180)

(If Yes select all that apply→)

☐ Native Artery Stenosis ☐ Stenotic Graft ☐ Stenotic Stent

LADDistStenCurRev (1181)

Ramus stenosis ≥ 50% known ☐ Yes ☐ No ☐ N/A

RamusSten (1182)

☐ 50-69% ☐ ≥ 70%

RamusStenPercent (1183)

Is location of stenosis known: ☐ Yes ☐ No

RamusStenCurRevLock (1184)

(If Yes select all that apply→)

☐ Native Artery Stenosis ☐ Stenotic Graft ☐ Stenotic Stent

RamusStenCurRev (1185)

Circumflex distribution stenosis ≥ 50% known ☐ Yes ☐ No ☐ N/A

CircDistSten (1186)

☐ 50-69% ☐ ≥ 70%

CircDistStenPercent (1187)

Is location of stenosis known: ☐ Yes ☐ No

CircDistStenCurRevLock (1188)

(If Yes select all that apply→)

☐ Native Artery Stenosis ☐ Stenotic Graft ☐ Stenotic Stent

CircDistStenCurRev (1189)

RCA distribution stenosis ≥ 50% known ☐ Yes ☐ No ☐ N/A

RCADistSten (1190)

☐ 50-69% ☐ ≥ 70%

RCADistStenPercent (1191)

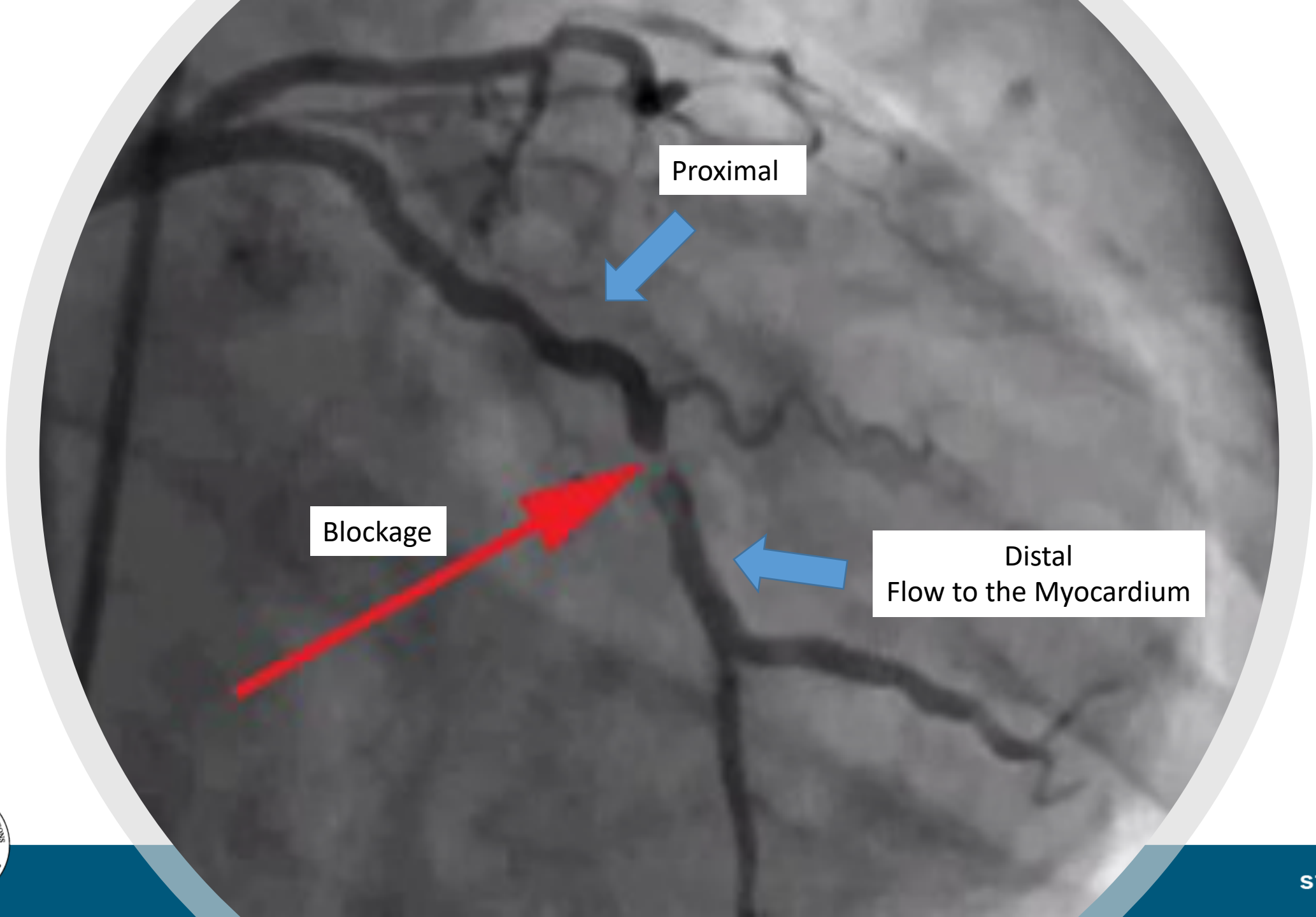
Is location of stenosis known: ☐ Yes ☐ No

RCADistStenCurRevLock (1192)

(If Yes select all that apply→)

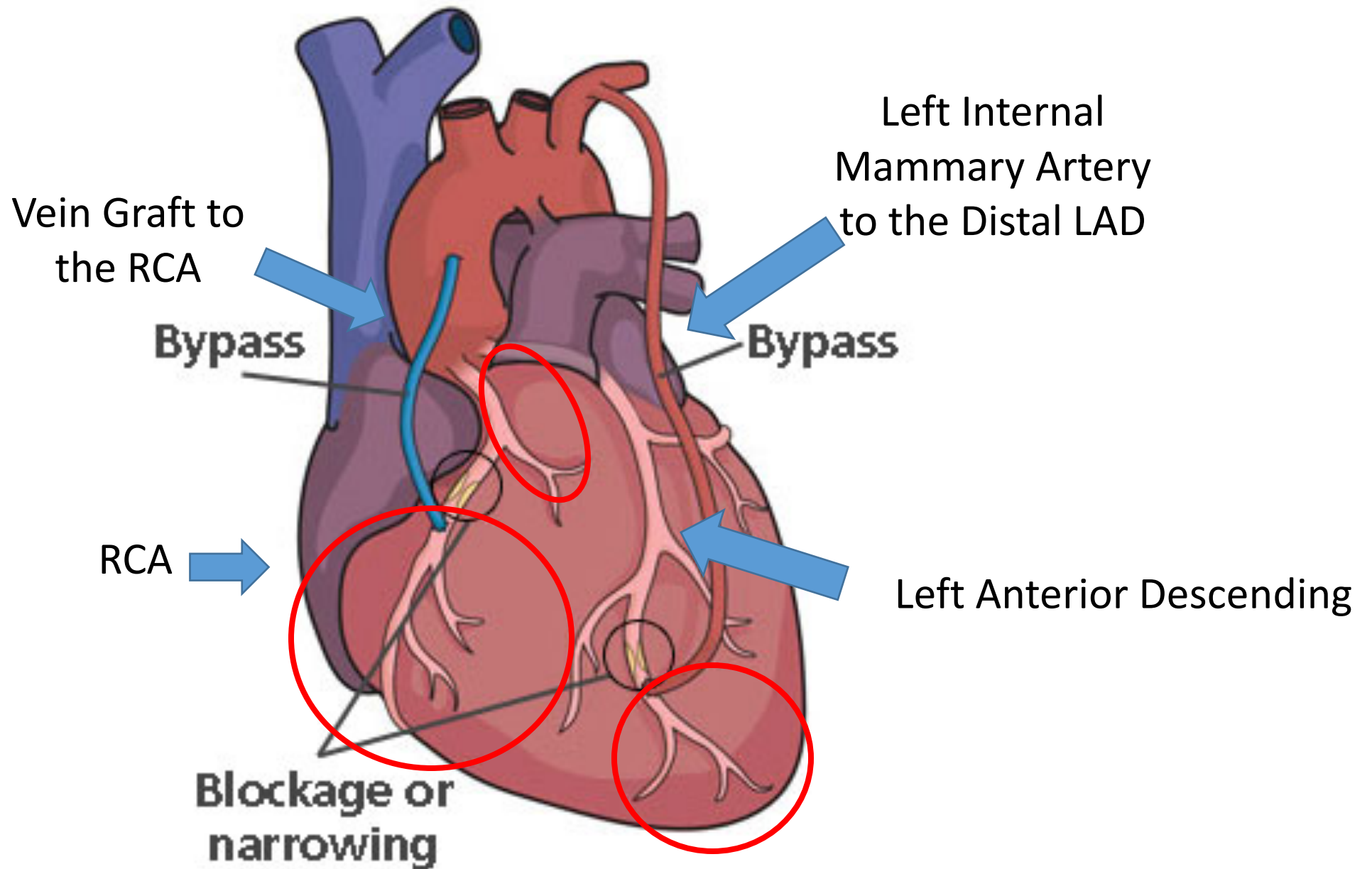
☐ Native Artery Stenosis ☐ Stenotic Graft ☐ Stenotic Stent

RCADistStenCurRev (1193)





Ask yourself...  
Is the blood  
flow to the  
myocardium  
currently  
compromised?





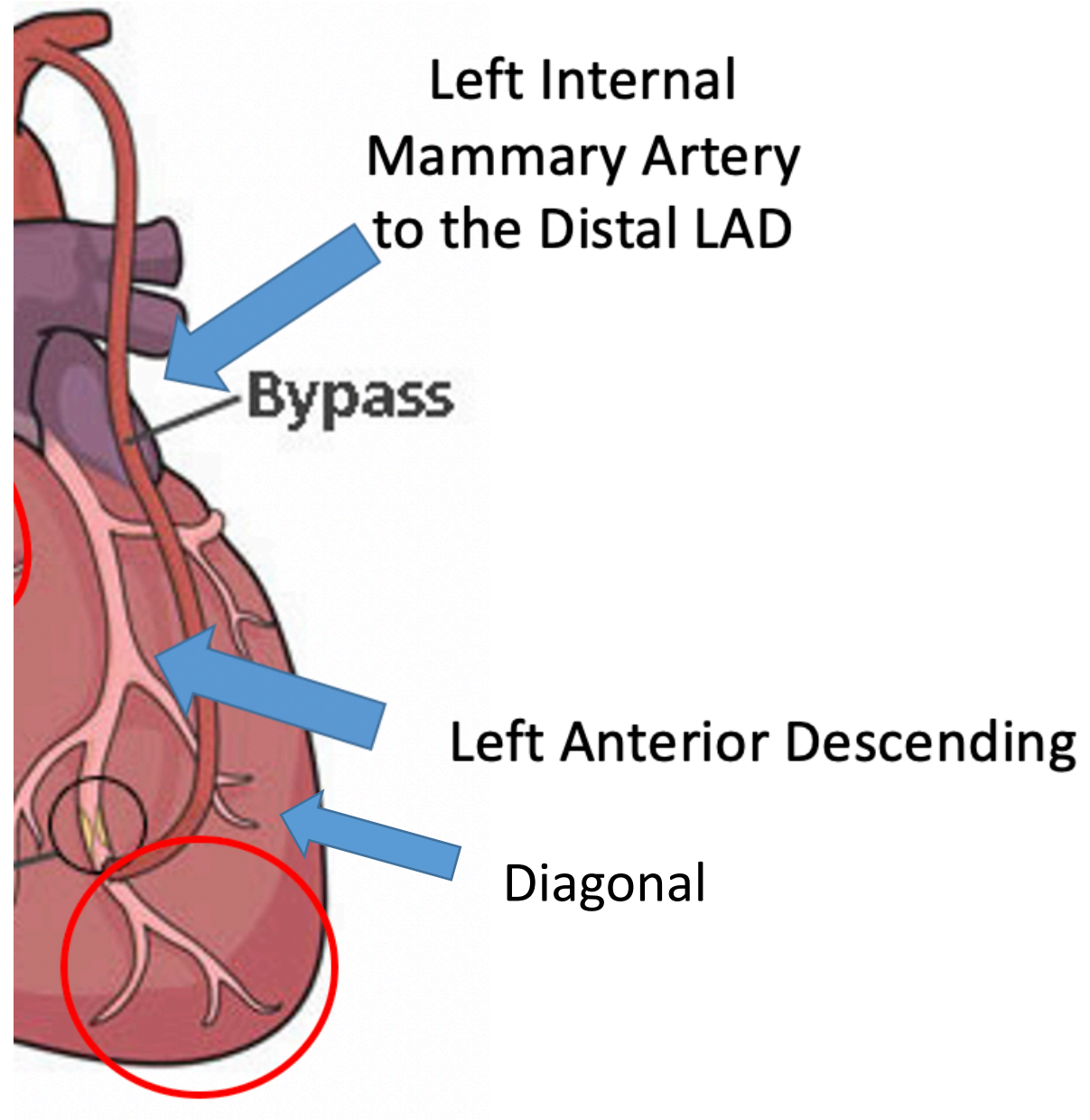
The blood flow to the myocardium

Hx: CABG x 1 LIMA to Distal LAD

Cath Findings:

- 99% stenosis to the mid-distal LAD
- No significant stenosis in the proximal and mid LAD
- Patent LIMA to the distal LAD
- Diagonals are normal
- No other coronary artery disease noted

How should disease be coded?



The blood flow to the myocardium

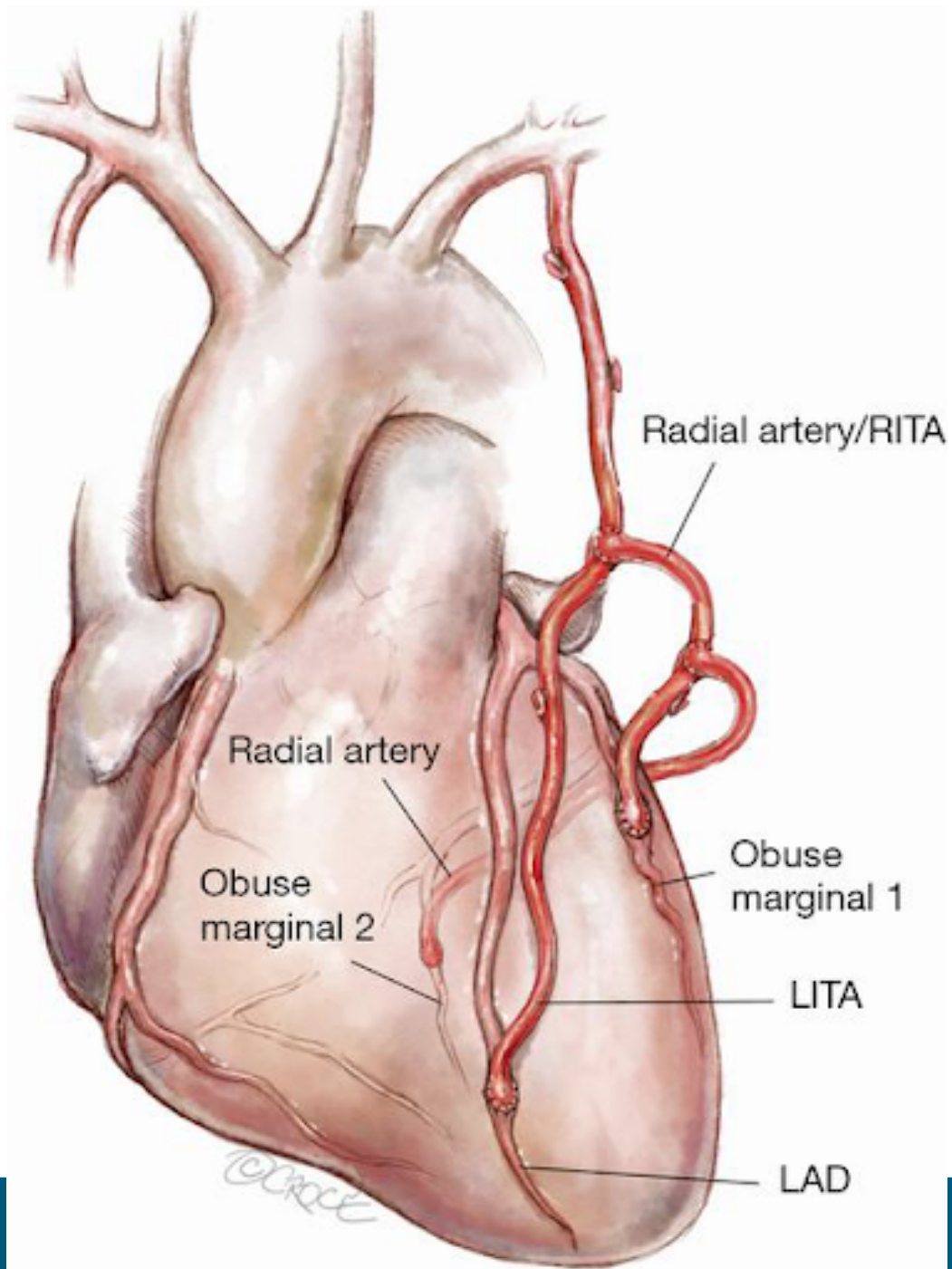
Hx: CABG x 1 LIMA to Distal LAD

Cath Findings:

- 99% stenosis to the distal LAD
- No significant stenosis in the proximal and mid LAD
- Patent LIMA to the distal LAD
- Diagonals are normal
- No other coronary artery disease noted

H. Hemodynamics/Cath/Echo			
Cardiac Catheterization Performed: <input type="checkbox"/> Yes <input type="checkbox"/> No (If Yes→)		Cardiac Catheterization Date: ____/____/____	
CarCathPer (1145)		CarCathDt (1150)	
Coronary Anatomy/Disease known: <input type="checkbox"/> Yes <input type="checkbox"/> No (If Yes ↓)			
CorAnatDisKnown (1155)			
Number Diseased Vessels: ** <input type="checkbox"/> None <input checked="" type="checkbox"/> One <input type="checkbox"/> Two <input type="checkbox"/> Three			
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)	
RCA distribution stenosis ≥ 50% known <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
RCADistSten (1190)			
(If Yes→)		<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)	





RITA = Right Internal  
Thoracic Artery =  
Mammary



ANTERIOR R. ATRIAL  
BRANCH OF  
R. CORONARY  
ARTERY

RIGHT  
CORONARY  
ARTERY

ANTERIOR  
CARDIAC  
VEINS

SMALL  
CARDIAC VEIN

L. CORONARY ARTERY

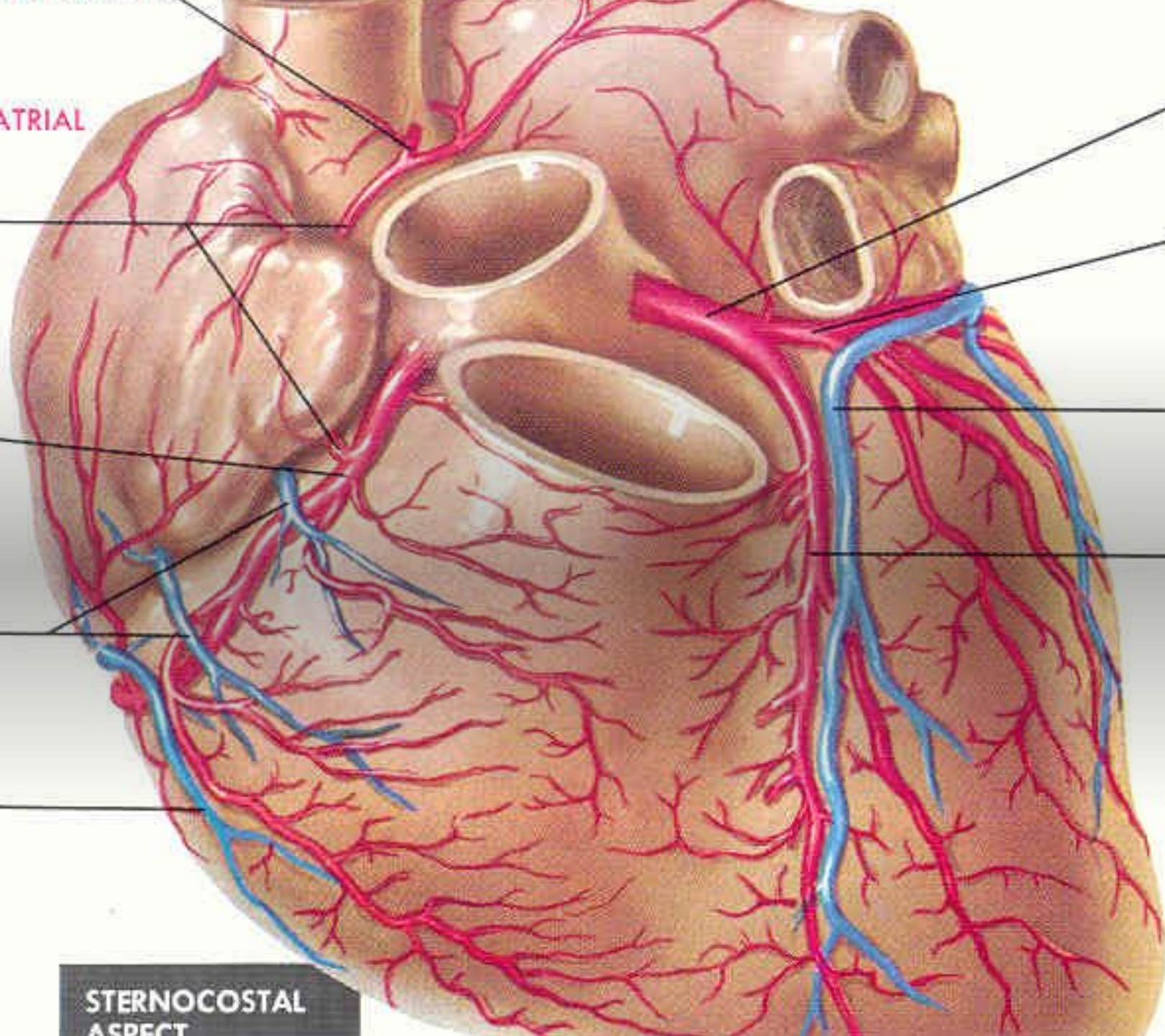
CIRCUMFLEX BRANCH OF  
L. CORONARY ARTERY

GREAT CARDIAC VEIN

ANTERIOR  
INTERVENTRICULAR  
(ANTERIOR DESCENDING)  
BRANCH OF L.  
CORONARY ARTERY

STERNOCOSTAL  
ASPECT

Netter  
M.D.



# IQVIA Update

Joe Brower



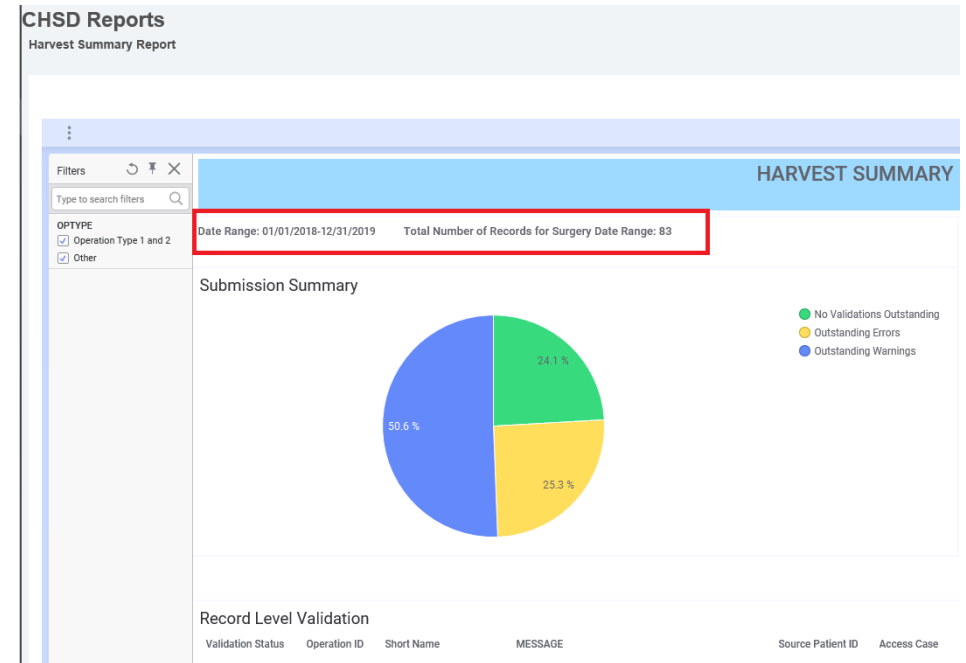
# October 2020 – Upcoming Release

Items below are currently targeted for the October 10<sup>th</sup> release.

## Report Enhancements

### CHSD Harvest Summary Report

- STS-3662 – Updating the Harvest Summary Report to display total number of cases for quick reference on the report interface
- STS-3122 – Updating the Harvest Summary Report to display the surgery date range for quick reference on the report interface





# IQVIA October 2020 Release Update

The following updates will be released to production the weekend of **October 10th**

## Uploader

- STS-3621 – vdvmax is triggering a critical error message for 4.20.2 records at the time of upload
- STS-3266 – Upload showing a red X mark even though the records are showing as uploaded (Resolved, noted uploads encountered unexpected timeout)

## DQR

- STS-3894 - Validation message triggering incorrectly operative mortality query for patients who do not meet the criteria

## ACSD Participant Dashboard Report

- STS-2994 – IMA(Internal Mammary Artery) used displaying incorrect case count
  - Duplicate to above item - STS-2219 – Dashboard IMA Used case count
  - Duplicate to item above – STS-2068 – Dashboard IMA Used
- STS-3581 – Dashboard Graphs is not matching for discharge/mortality
  - STS-3387 – Dashboard report percentages showing 0% (duplicate of above)

## Missing Variable Report

- STS-3419 – Inconsistent number returning for SSN data element, parent logic to be updated
- STS-3603 – MVR indicates variables are missing but values are present on the form; Dialysis, Warfarin, Direct Thrombin Inhibitors
- STS-1864 - Missing Variable Report showing variables - initial extubation date/time as missing, field was populated

**\*\*Please note:** Submitted tickets are currently under review and the IQVIA support team will follow up on resolution and/or target release confirmation.

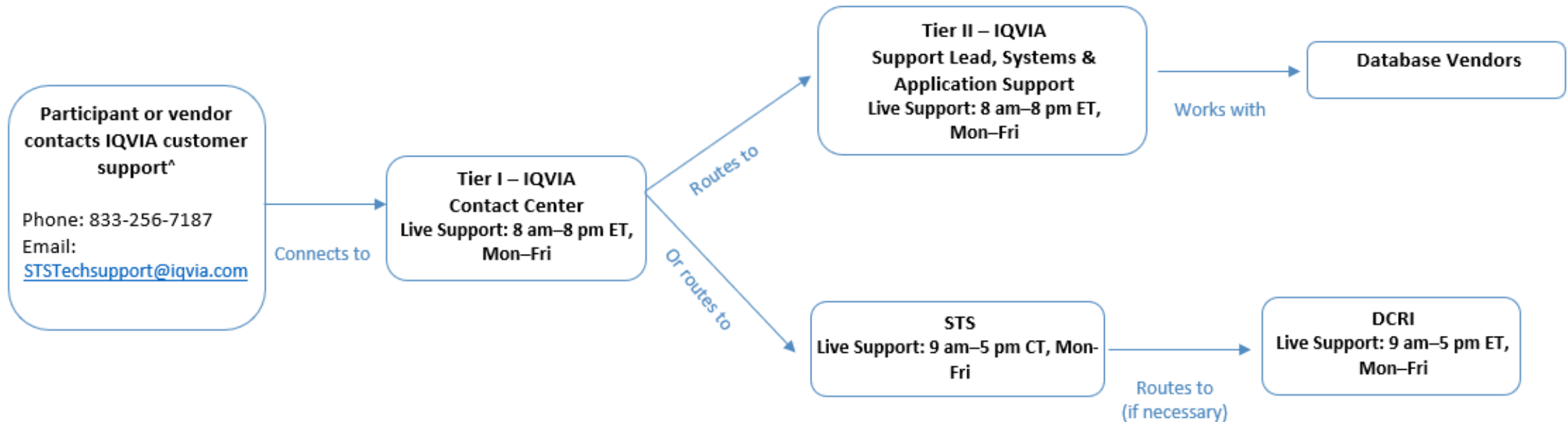


# IQVIA Support Plan



# IQVIA's Support Plan

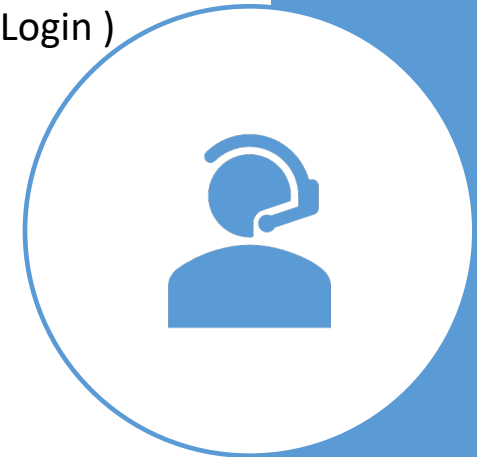
Please include your Participant ID (PID) in all communications with STS and IQVIA



^ 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](mailto: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](mailto:CKrohn@sts.org)
  - 312-202-5847
- Database Operational Questions
  - [STSDB@sts.org](mailto: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!