

# Society of Thoracic Surgeons

## Adult Cardiac Surgery Database

May 6, 2020



**STS National Database**<sup>™</sup>  
Trusted. Transformed. Real-Time.

# Agenda

- Welcome and Introductions
- Housekeeping
- Important Dates
- AQO Update
- Covid-19 Update
- IQVIA Update
- Q&A – Please submit using the Q&A function



# Housekeeping

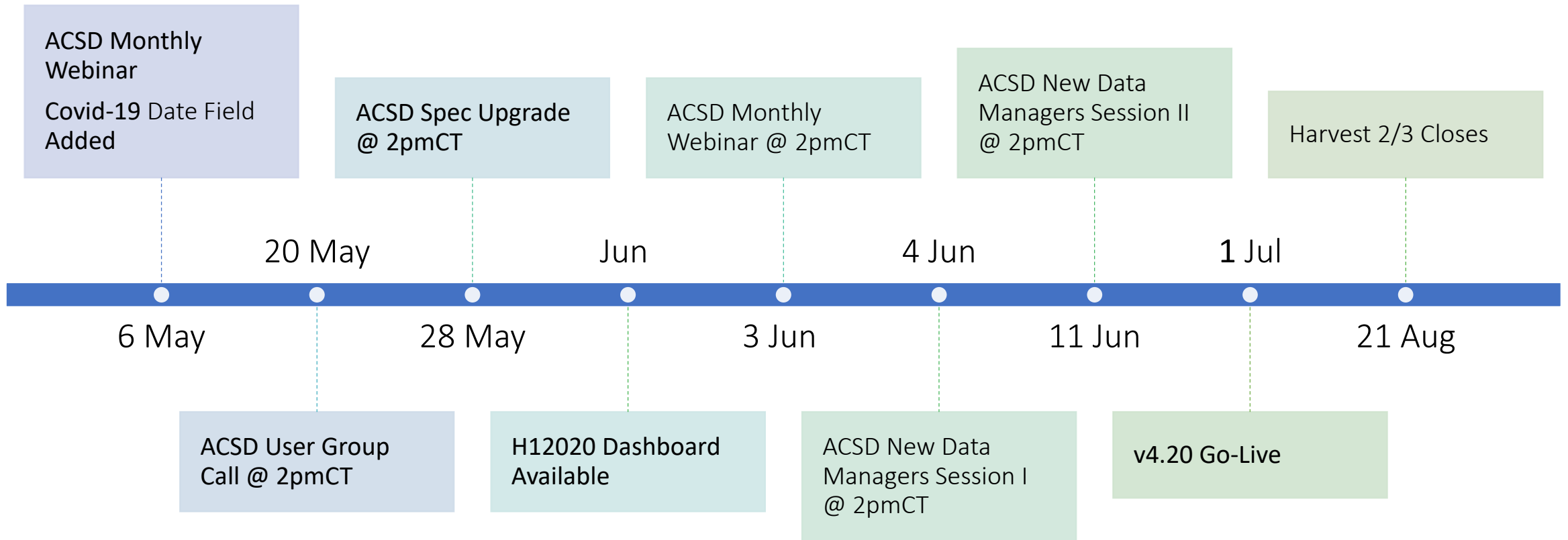
v4.20 Data Spec Update

May Training Manual

New DCF's for v2.9 - yes again. Sorry.



# Important Dates for Adult Cardiac



# AQO Update

Emily Conrad, STS Sr. Database Coordinator





What is AQO 2020?



# AQO Update

AQO is going virtual

Same dates as originally planned

- 9/30-10/2

Each database will have dedicated time for live sessions

Platform to host the meeting

- Wide variety of functions
  - Live stream talks
  - Prerecorded material
  - E-posters
  - Q&A
  - Panel Discussions
  - Chat Boards
  - Vendor engagement
  - Other details still being worked out



# Covid-19 Update





# Fields Added for Covid-19

STS Adult Cardiac Surgery Database Version 2.9

*Long Name:* Temporary Coded Field *SeqNo:* 7230  
*Short Name:* **TempCode** *Core:* Yes  
*Section Name:* STS Temporary Fields *Harvest:* Yes  
*DBTableName:* Adultdata1  
*Definition:* This is a temporary field that should not be used for data collection until expressly instructed to by the STS.  
*Data Source:* User *Format:* Text (categorical values specified by STS)

Harvest Codes:

Code:	Value:
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20

**D. Risk Factors**

*"Unknown" should only be selected if Patient / Family unable to provide history*

Did the patient have a laboratory confirmed diagnosis of Covid-19?  No (Harvest Code 10)  
TempCode (7230)  Yes, prior to hospitalization for this surgery (Harvest Code 11)  
 Yes, in hospital prior to surgery (Harvest Code 12)  
 Yes, in hospital after surgery (Harvest Code 13)  
 Yes, after discharge within 30 days of surgery (Harvest Code 14)

Date of Positive Covid-19 Test (closest to OR date) \_\_\_\_/\_\_\_\_/\_\_\_\_ (mm/dd/yyyy)  
TempDt (7225)

Height (cm): \_\_\_\_\_ | Weight (kg): \_\_\_\_\_

*Long Name:* Temporary Date Field *SeqNo:* 7225  
*Short Name:* **TempDt** *Core:* Yes  
*Section Name:* STS Temporary Fields *Harvest:* Yes  
*DBTableName:* Adultdata1  
*Definition:* This is a temporary field that should not be used for data collection until expressly instructed to by the STS.  
*Data Source:* User *Format:* Date mm/dd/yyyy



# Abstracting Covid-19 Fields

Must be a positive PCR test

Antibody testing is not captured

For more than one positive test, collect the test closest to OR Date

Testing field begins with April 1 cases

Date field begins with May 1 cases

Sites can retroactively collect these fields back to January 1, but are not required to do so



# Abstracting Covid-19 Fields

Why is this field added?

Sites have reported that patients who are found to be Covid-19+ are having worse surgical outcomes.

Do we really need to go back to January to abstract this field?

No. But, you can go back to January 1 if your site was impacted early on.

Will these patients be included in outcomes?

STS is in discussion regarding how these cases will be handled. We need to get data to see its impact.

Can I abstract a patient who is assumed to be Covid-19+ but was not tested.

No. **ONLY** code yes for a patient who has been confirmed to have Covid-19 through PCR laboratory testing.

# IQVIA Update Melanie Bent



# What's New?

## Uploader

- **New Feature:** Automatic record removal detection and handling based on surgery date ranges
  - Users requested the ability for the system to remove records which had been deleted within their source software vendor system and had been uploaded to the IQVIA system.
  - The uploader will automatically determine if a file should be removed based on the identified MIN/MAX surgery date ranges within the uploaded file based on new system checks.



# Automatic Record Removal (Soft Delete)

## Assumptions

- User had previously uploaded a file to the IQVIA platform which included surgery dates 8/1/2019 (MIN) through 8/5/2019 (MAX)
- The previously upload file included Record A, Record B, Record C, Record D, Record F (*visual provided*)

File Submission	Pre-Load	Post-Load
A (8/1/19) →	A (8/1/19) →	A (8/1/19)
--	B (8/1/19)	✘
--	C (8/3/19)	✘
D (8/4/19) →	D (8/4/19) →	D (8/4/19)
E (8/5/19) →	E (8/5/19)	
	F (8/6/19) →	F (8/6/19)

# Automatic Record Removal Workflow Steps

## Workflow Steps

- STEP 1: User deletes Record B and Record C in their source software system
- STEP 2: User exports the .dat file from their source software system for the surgery dates of 8/1/2019 (MIN) through 8/5/2019 (MAX)
- STEP 3: User uploads the .dat file to the IQVIA platform
- STEP 4: The uploader executes processing checks and identifies the previously submitted records were removed in the uploaded file and proceeds with removing the files within the IQVIA database

File Submission	Pre-Load	Post-Load
A (8/1/19) →	A (8/1/19) →	A (8/1/19)
--	B (8/1/19)	✘
--	C (8/3/19)	✘
D (8/4/19) →	D (8/4/19) →	D (8/4/19)
E (8/5/19) →	E (8/5/19) →	E (8/5/19)
	F (8/6/19) →	F (8/6/19)

# What's New?

## Uploader Record Processing Improvements

- Upload processing improvements have been added to increase system efficiency when users upload files to the IQVIA platform.
- User feedback noted that they wanted a focused review new and updated records; to filter out the additional “noise” within the report.
- To improve the upload process, a system check was implemented to skip records that are identified as unchanged.





# What's New?

- The validation will only execute when inserting new or updated records into the database.
- The system will display only display records that are identified as new and/or updated in the database.



# What Changes?

- Upon initially uploading a file to the platform, the system will display the total number of new files in the upload card history.
- Uploads thereafter, will display the total number of new or updated records in the upload card history.
  - Previously uploaded records with no identified changes will not be included in the total number of records that are processed.
  - The upload history card will not display the total number of records that were in the original file.
- To review previous errors/warnings, refer back to the original upload history card.



# What Changes?

- The data quality report will display the full list of records and will display a new message to the end user.
- A new warning has been added to display a single entry - Record 0 will now appear in the DQR under the warning column and will note the total number of records “skipped”
  - “Record V1234567 has not changed. No updates made.”

## Records Level Validation

Validation St...	Error Type	Operation ID	Short Name	MESSAGE
Warning	Warning/Error ...	V1225442		patid: V122083937 , operationid: V1225442 - &lt;198402&gt; &lt;99999
Warning	ValidationError...		recordId	Record V1225444 has not changed. No updates made.

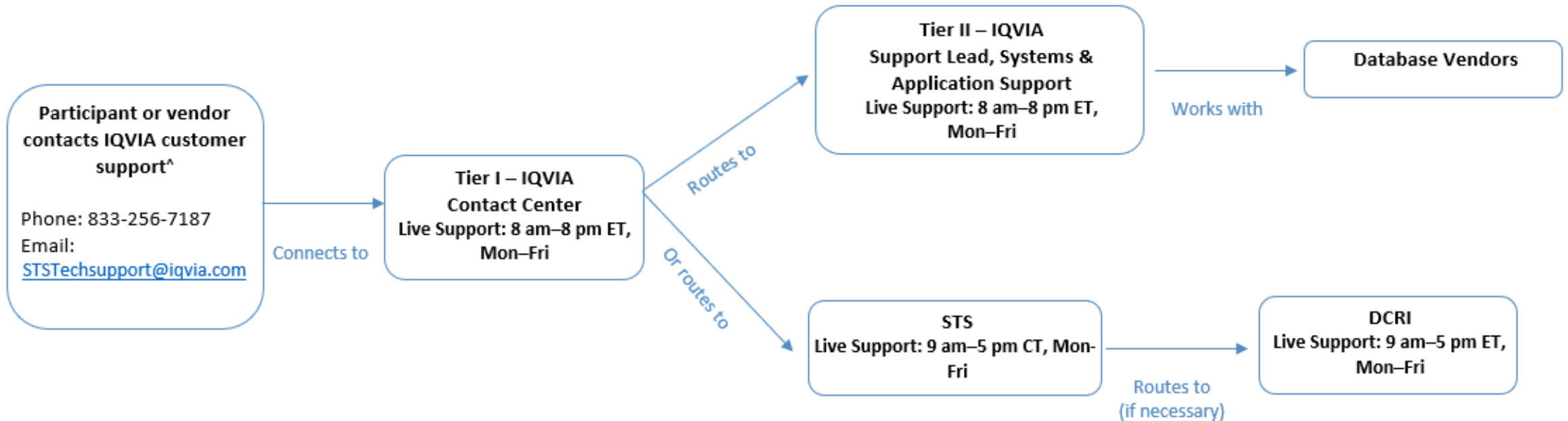


# Upcoming Release Updates – May 2020

- Data Quality Report Updates
  - STS-2132 – Error on DQR for Missing Discharge Date while patient still in hospital
  - STS-2276 – Validation correction related to urgemergrsn for version 2.81
  - STS-1365 – Validation correction related to fields Vschorpes, OpTricus in Valve Tab
  - STS-2227 – Validation correction related to CPB Utilization
  - STS-2231 – Validation correction related to OpONCard “Other Non Card”



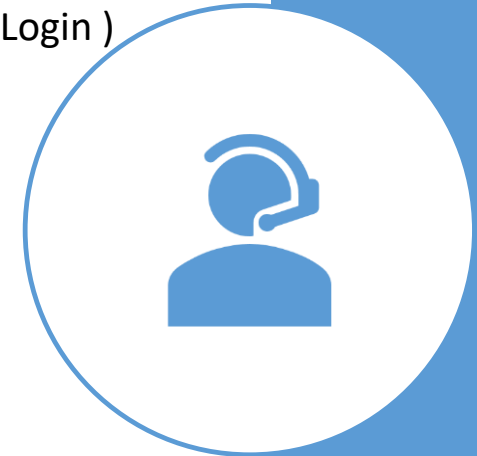
# IQVIA's Support Plan



^ 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](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](mailto:ckrohn@sts.org)



# Next ACSD Webinars

## User Group Call

- May 20 @ 2pmCT

## Version 4.20 Upgrade Walk-through

- May 28 @ 2pmCT

## Monthly Webinar

- June 3 @ 2pmCT



# Contact Information

- Carole Krohn, Sr. Clinical Manager, STS National Database
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  - 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!