

Society of Thoracic Surgeons

General Thoracic Surgery Database

May 13, 2020



STS National Database[™]
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

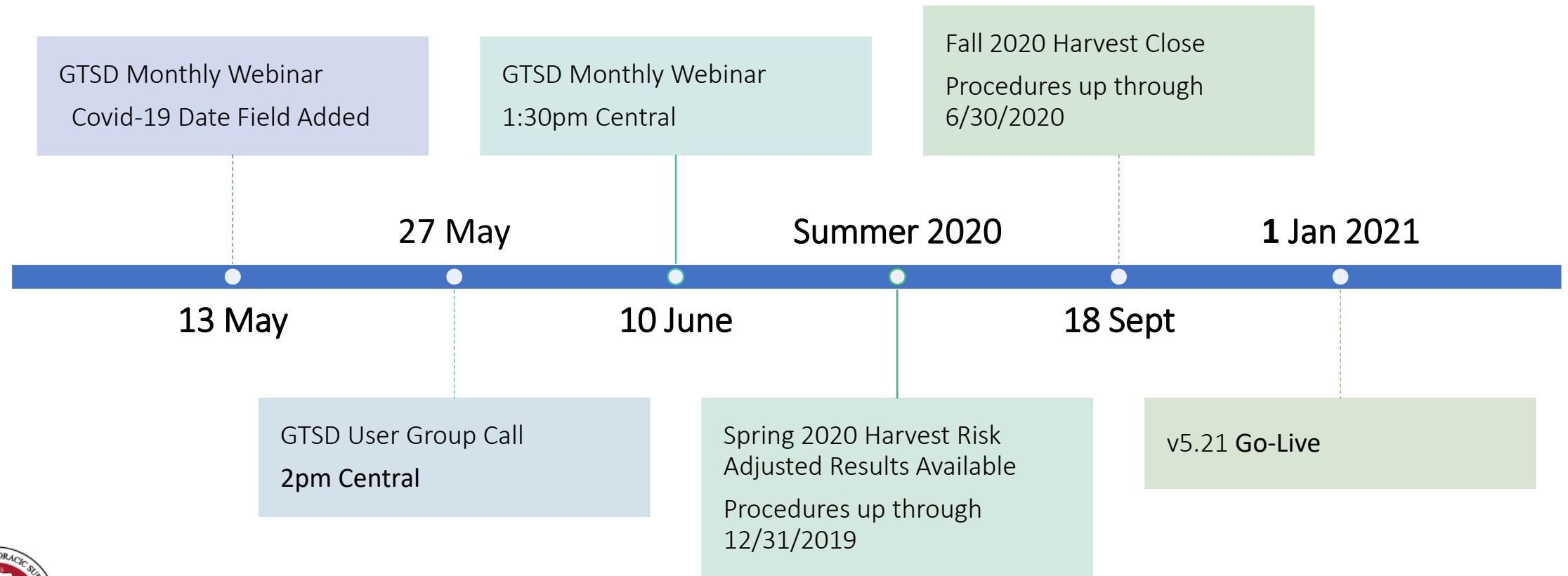
May Training Manual

New DCF's for v2.41 – yes again. Sorry!

Data Version 5.21 Update



Important Dates for General Thoracic



AQO Update

Emily Conrad, STS Sr. Database Coordinator





PROFESSIONAL
DEVELOPMENT



What is AQO 2020?



AQO Update

AQO is going virtual

Same dates as originally planned

- 9/29-10/2

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



Fields Added for Covid-19

STS General Thoracic Surgery Database Version 2.41

Long Name: Temporary Coded Field *SeqNo:* 4080
Short Name: **TempCode** *Core:* Yes
Section Name: STS Temporary Fields *Harvest:* Yes
DBTableName: Operations
Definition: This is a temporary field that should not be used for data collection until expressly instructed to by the STS.
LowValue: *UsualRangeLow:*
HighValue: *UsualRangeHigh:*
Parent Long Name: *Format:* Text (categorical values specified by STS)
Parent Short Name: *DataLength:*
Parent Value: *Data Source:* User
Parent Harvest Codes: *RequiredForRecordInclusion:* No

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

C. Pre-Operative Evaluation

Did the patient have a laboratory confirmed diagnosis of Covid-19?

No (Harvest Code 10)

- Yes, prior to hospitalization for this surgery (Harvest Code 11)
- Yes, in hospital prior to surgery (Harvest 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)

<i>Long Name:</i> Temporary Date Field	<i>SeqNo:</i> 4070
<i>Short Name:</i> TempDt	<i>Core:</i> Yes
<i>Section Name:</i> STS Temporary Fields	<i>Harvest:</i> Yes
<i>DBTableName:</i> Operations	
<i>Definition:</i> This is a temporary field that should not be used for data collection until expressly instructed to by the STS.	



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 laboratory testing.

Covid-19 after discharge

For patients that self-report testing positive for Covid-19 within 30 days of surgery indicate 'Yes, after discharge within 30 days of surgery'.

IQVIA Update

Melanie Bent and Jannette Hanna



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

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) →	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?

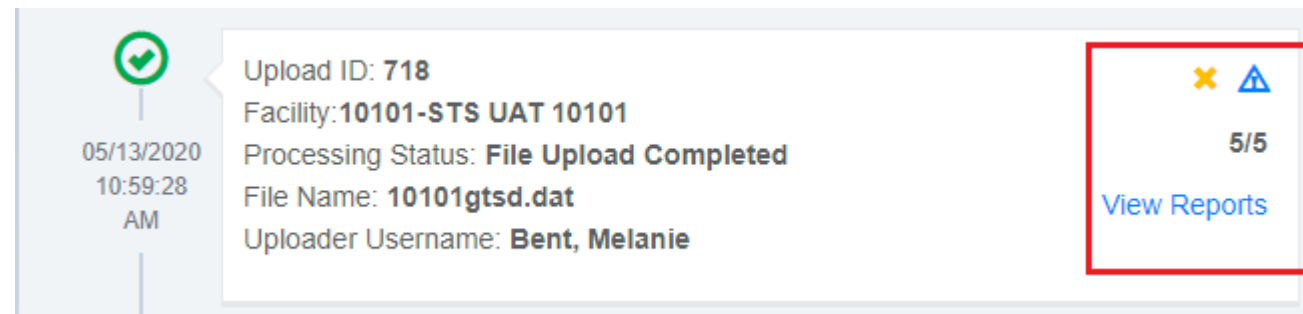
New Feature: Uploader Record Processing Improvements

- 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 - Continued

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



A screenshot of a notification card for a file upload. On the left, there is a green checkmark icon, a vertical line, and the timestamp "05/13/2020 10:59:28 AM". The main text area contains: "Upload ID: 718", "Facility: 10101-ST5 UAT 10101", "Processing Status: File Upload Completed", "File Name: 10101gtsd.dat", and "Uploader Username: Bent, Melanie". On the right, there is a red-bordered box containing a yellow 'x' icon, a blue triangle icon, the text "5/5", and a blue link "View Reports".

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.
- ****NEW REPORT** – Harvest Summary Report will be developed**



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.”

Alerts by Uploaded Records

Record ID	Source Patient ID	r	warning
0	No Patient ID...	-	4184
1	1805380	-	1
2	1865943	3	1
3	1797781	3	-
6	1850197	-	1
8	1859578	-	-
9	1812189	3	1
10	1676279	3	1
44	1765204	2	4

Records Level Validation

Error Type	Operation ID	Short Name	Message	Source Patient ID	Access Case
ValidationErrors occurred during rcsave	3061601	recordId	Record 3061601 has not changed. No updates made.	No Patient ID Ava...	
ValidationErrors occurred during rcsave	3125402	recordId	Record 3125402 has not changed. No updates made.	No Patient ID Ava...	
ValidationErrors occurred during rcsave	3294928	recordId	Record 3294928 has not changed. No updates made.	No Patient ID Ava...	
ValidationErrors occurred during rcsave	3332735	recordId	Record 3332735 has not changed. No updates made.	No Patient ID Ava...	
ValidationErrors occurred during rcsave	3316963	recordId	Record 3316963 has not changed. No updates made.	No Patient ID Ava...	



Upcoming Release Updates – May 2020

- STS-2370 – Adding DQR duplicate message filtering option
- STS-1823 – Split out the RecordID and PatientID from the Message column, IDs will display in respective columns even for critical errors
- STS-2252 – GTSD Errors triggering for ‘Race Documented’ missing for patients
- STS-2574 – Updating TEMPCODE and TEMPDATE fields for COVID-19 STS requirement
- STS-2320 – GTSD Missing Variable Report data variable updates

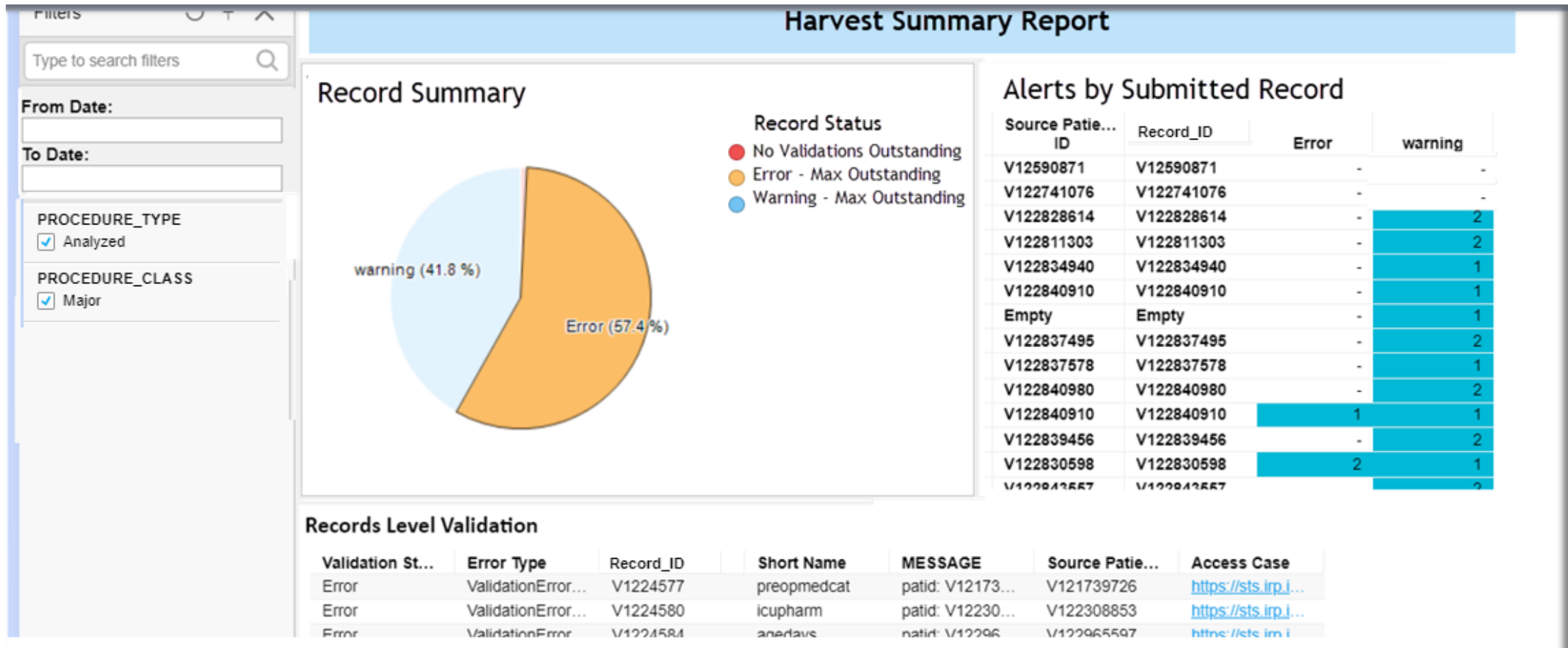




Update Harvest Summary Report Concept



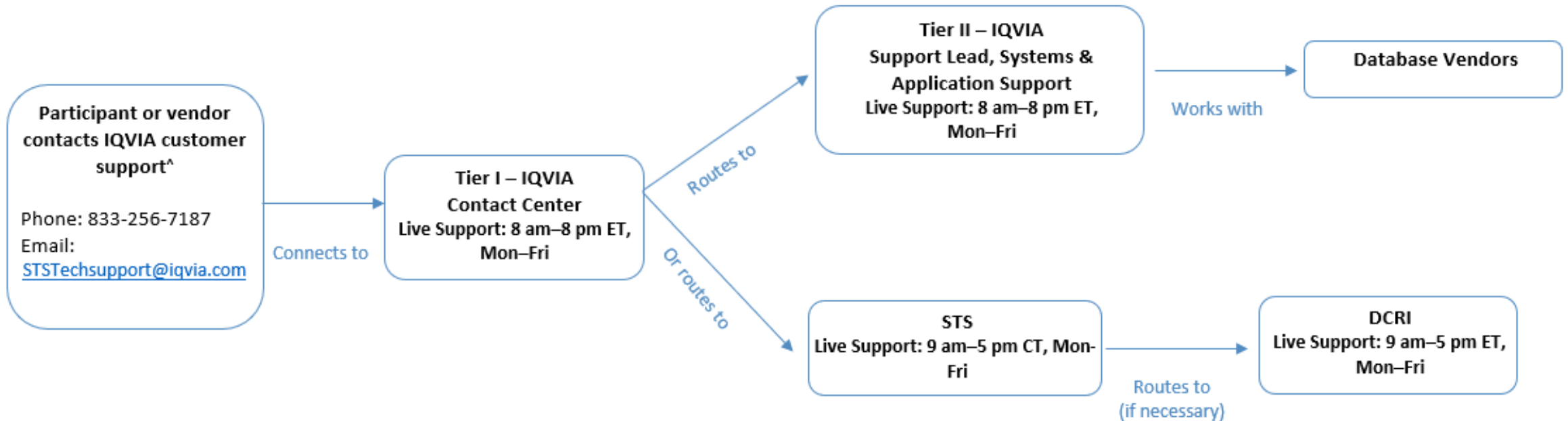
Future Report – Harvest Summary Report Concept



STS/IQVIA Support Plan



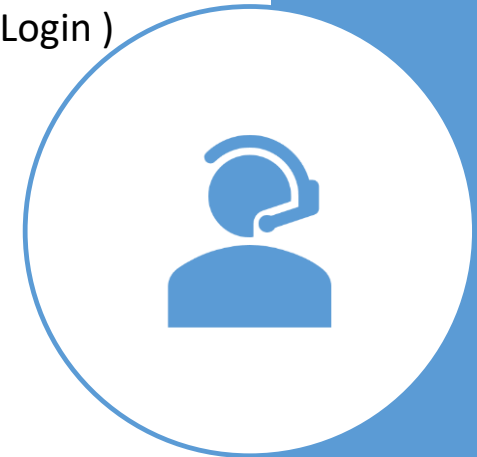
IQVIA's Support Plan



^ 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*
 - ljones@sts.org



Next GTSD Webinars

User Group Call

- May 27 @ 2pmCT

Monthly Webinar

- June 10 @ 1:30pmCT



Contact Information

- Leigh Ann Jones, STS National Database Manager, Congenital and General Thoracic
 - Ljones@sts.org
 - 312-202-5822
- 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!