Society of Thoracic Surgeons

General Thoracic Surgery Database
User Group Call

February 28, 2024
Agenda

• Welcome and Introduction
• STS Updates
• Neoadjuvant Therapy Module Training Manual
• Harvest Close Review
• Q&A
• February Training Manual posted
  • Bookmarks provided for updates and ease of navigation

• Spring 24 Harvest Close is approaching: Surgery dates 1/1/2021 – 12/31/2023
  • Harvest Closes **March 8th at 11:59pm Eastern**
  • Opt out deadline is March 12th
  • Pre-Analysis Report Exclusion Warning will be sent approximately one week prior to harvest close.
• **GTSD Harvest Pre-Analysis Report Exclusion Warning**
  • Goal is to improve data completeness issues and ensure Participants have as many records included in analysis as possible

  • Email will be sent to those Participants ‘at risk’ for exclusion approx. 1-2 weeks prior to harvest close

  • 2% missing data thresholds are calculated based on the overall composite population eligible for reporting (Esophagectomy, Lobectomy, and Primary Lung Cancer Resection).
    • Specific details can be found in the Analyses Overview

  • Warning Email will include a Participant specific excel spreadsheet containing a list of records that meet the reporting eligibility requirements but are missing one or more of the required fields.
    • Will include ParticID, Patient ID, Record ID, Esoph Cancer, Lung Cancer, Report Year (based on Surgery Date) and flags indicating which field(s) are missing
## 2024 Harvest Schedule

<table>
<thead>
<tr>
<th>GTSD</th>
<th></th>
<th></th>
<th>Includes procedures performed through</th>
<th>Report Posting</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harvest</td>
<td>Close</td>
<td>Opt-Out</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spring 2024</td>
<td>March 8</td>
<td>March 12</td>
<td>December 31, 2023</td>
<td>Summer 2024</td>
<td>Star Rating</td>
</tr>
<tr>
<td>Fall 2024</td>
<td>September 6</td>
<td>September 10</td>
<td>June 30, 2024</td>
<td>Winter 2024</td>
<td>Star Rating</td>
</tr>
</tbody>
</table>
Due to an increased use of neoadjuvant therapy, including preoperative immunotherapy and targeted therapy for patients with clinical stage 1b and higher non-small cell lung cancer, the STS began capturing the type and frequency of neoadjuvant therapy being utilized.

Effective October 1, 2023: Sites began collecting this data using two temporary fields (TempY/N1 and TempText).

- TempY/N1 (Seq. 4580): Did the patient receive preoperative immunotherapy or a targeted agent directed at the lung cancer of interest?
- TempText (Seq.4620): If yes, what agent?
Neoadjuvant Therapy Module

• STS Temp Y/N1 (Seq 4580):
  • Did the patient receive preoperative immunotherapy or a targeted agent directed at the lung cancer of interest?
  • If Yes, please complete the module to capture more granular data
  • UPDATED LINK: https://redcap.sts.org/surveys/?s=LFXJTHK4YN8TADK9

• Please note this is a VOLUNTARY MODULE
  • Surgery dates Nov 1, 2023 forward
Neoadjuvant Therapy Module (REDCap) Training Manual

- Supplemental Training Manual will be posted first week of March
  - Will be located under v5.21 Data Collection Resources
  - These variables will be removed from the current GTSD TM
- Data Collection Form will be posted along with the TM
- Same format as the current GTSD Training Manual
- New FAQ/Clarifications will be added in red
  - Bookmarks will be added each month with the updates

STS Neoadjuvant Therapy Module

Data Collection Variables
Updated 3/1/2024

Neoadjuvant Therapy Module (REDCap) LINK: https://redcap.sts.org/surveys/?s=LFXJTHK4YN8TADK9

Data Collection Resources (version specific abstraction documents)
Ask an Abstraction Question

Introduction

This manual is intended to clarify field definition and intent. This document contains the most up to date instructions for data abstraction. Please review this document prior to submitting clinical questions. FAQs will be added to the document in red to provide additional examples and clarification. Comments in green are provided for clarification within prior updates. Please do not print this document since it will change frequently. Using the web version will ensure that you have the most up to date information. Use the Ctrl + F function to search for a number or term of interest. Bookmarks will be added each month with updates.

General Information

If there are duplicate entries into the RedCap database, the STS will delete the prior entry and take the last one entered.
Neoadjuvant Therapy Module (REDCap) Training Manual

STS Neoadjuvant Therapy Module

**SeqNo:** 5055
**Long Name:** Gene Mutations Identified
**Short Name:** genemutation
**Format:** Text (categorical values specified by STS)
**Definition:** Identify any mutations of the genes listed.

**ParentLongName:** Molecular Testing Performed Prior To Initiation of Therapy
**ParentShortName:** moltest
**ParentValue:** = “Yes”
**ParentHarvestCodes:** 1

**Harvest Codes:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>EGFR exon 19 deletion</td>
</tr>
<tr>
<td>2</td>
<td>EGFR L858R insertion</td>
</tr>
<tr>
<td>3</td>
<td>ALK rearrangement</td>
</tr>
<tr>
<td>4</td>
<td>KRAS</td>
</tr>
<tr>
<td>5</td>
<td>RET</td>
</tr>
<tr>
<td>6</td>
<td>ROS-1</td>
</tr>
<tr>
<td>7</td>
<td>Other</td>
</tr>
<tr>
<td>8</td>
<td>None</td>
</tr>
</tbody>
</table>

**Intent/Clarification:**

Nov 2023: This is not an exhaustive list of all potential mutations – it is the most common. Please choose ‘none of the above’ if a mutation is present but is not on this list.

Nov 2023: Indicate if the patient underwent biopsies of mediastinal lymph nodes. If a mediastinoscopy is performed during the same OR trip as a therapeutic lung procedure, it can be captured here.

VATS/thoracotomy mediastinal lymph node dissection performed with lung resection is NOT captured here.

SeqNo: 5035
Long Name: Preoperative Invasive Mediastinal Staging Performed
Short Name: preopinvasivedstag
Format: Text (categorical values specified by STS)
Definition: Indicate whether preoperative mediastinal staging was performed.

**Harvest Codes:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Yes</td>
</tr>
<tr>
<td>2</td>
<td>No</td>
</tr>
<tr>
<td>3</td>
<td>Unknown</td>
</tr>
</tbody>
</table>

**Intent/Clarification:**

Nov 2023: Indicate if the patient underwent biopsies of mediastinal lymph nodes. If a mediastinoscopy is performed during the same OR trip as a therapeutic lung procedure, it can be captured here.

VATS/thoracotomy mediastinal lymph node dissection performed with lung resection is NOT captured here.
Abstraction Question?

- Submit questions via the STS Clinical Question Request Form | STS

- Please use the appropriate Sequence number/short name as provided on the data collection form.
End of Harvest Review Checklist
STS Updates

Spring 24 Harvest Close Checklist (resource in IQVIA Library)

- Utilize your Resources
  - Review the Data Quality Report for each upload submission
    - Resolve any critical errors and review errors or warnings and correct as needed

- Review the Critical Summary Report
  - Enter data file SUBMISSION dates (not surgical date range)
  - Review uploads to verify surgery dates and total number of records submitted for each upload
STS Updates

Spring 24 Harvest Close Checklist (resource in IQVIA Library)

- Utilize your Resources
  - Review Harvest Summary Report (located under Operational Reports)
    - Allows you to look at all critical errors, errors and warnings for a specified date range (analysis reporting period)
    - Verify total number of records submitted for specified date range
Spring 24 Harvest Close Checklist (resource in IQVIA Library)

- Utilize your Resources
  - Review the Missing Variable Report (located under Operational Reports)
    - Allows you to pinpoint any records that contain missing data
    - Important to ensure Mortality Variables (MtDCStat; Mt30Stat) are complete. “Unknown” is considered as missing data in analysis
STS Updates

- Utilize your Resources
- Review the Participant Dashboard
  - Allows you to confirm record counts, mortalities, identifies records with missing or “unknown” data
Upcoming GTSD Webinars

Monthly Webinars

- March 13 @ 1:30pmCT/2:30pmET
- April 10 @ 1:30pmCT/2:30ET
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!
Contact Information

Leigh Ann Jones, STS National Database Manager, Congenital and General Thoracic

- Ljones@sts.org
- 312-202-5822

Helpdesk Support (Harvest Questions/Analysis Report Questions)

- STSDB_helpdesk@sts.org

Database Operational Questions (Database Participation, Contracts, etc.)

- STSDB@sts.org
THANK YOU FOR JOINING!