

# **Surgery Risk Assessment**

## **Technical Manual**



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**Department of Veterans Affairs**

**Office of Information and Technology (OIT)**

# Revision History

Each time this manual is updated, the Title Page lists the new revised date, and this page describes the changes. If the Revised Pages column lists “All,” replace the existing manual with the reissued manual. If the Revised Pages column lists individual entries (e.g., 25, 32), either update the existing manual with the Change Pages Document or print the entire new manual.

Revision Date	Sections Revised	Revision Description
06/2024	All	Update based on patch SRA*3*9 Additional updates included for patch SRA*3*10 For consistency and clarity, all references to Fourword, centralized Surgery Risk Assessment database and Hines have been removed and replaced with “Surgery Risk Assessment Database”. Refer to the Surgery Risk Assessment User Manual for additional details.
7/31/21	All	Update based on patch SRA*3*5
08/31/20	All	Update based on patch SRA*3*4
06/30/20	All	Update based on patch SRA*3*3
05/2020	All	Final Review (PMO Office Review)
04/2020	All	Updates to overview and content (PMO Office Review)
03/2020	All	Document updated describing the new technical elements of the Surgery Risk Assessment package. (Software Engineering Team)

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## Introduction

The intended audience for this Surgery Risk Assessment Technical manual is a broad base of stakeholders who include, but are not limited to, the VA National Surgery Office (NSO), the VA Office of Information and Technology (OIT), Health Product Support (HPS), the VA Project Management Team, Functional Analyst(s), and System Administrators that may work on this project.

The Surgery Risk Assessment package, Surgery Risk Assessment Database, and associated processes are designed to document, collect, organize, and transmit surgery case data. The Surgery Risk Assessment package collects non-cardiac risk assessment data from all the VA medical centers in order to process and store them in a database file at the Surgery Risk Assessment Database. Due to lower volume (about 5,000 cases annually versus 400,000 for non-cardiac), the cardiac risk assessments are sent via a separate data stream directly to the VA NSO in Denver, CO via Veterans Health Information Systems and Technology Architecture's (VistA) MailMan messages. (MailMan is software for managing electronic mail and can run processes to route electronic mail.)

Data documented in the Surgery Risk Assessment Database is validated, formatted, analyzed, and developed into reports by the NSO using the VA Surgical Quality Improvement Program (VASQIP) system in a secure online environment. VASQIP characterizes mortality and morbidity rates, both unadjusted and risk adjusted. The VASQIP reports help show comparable and actionable surgical program data to Veterans Health Administration (VHA) facilities, Veterans Integrated Service Networks (VISNs), and VHA Leadership for surgical program assessment and quality improvement.

The published NSO Quarterly Report includes facility-level surgery-specific data for surgical outcomes, quality, staff workload, efficiency, utilization, patient satisfaction, and policy compliance. The NSO Annual Surgery Report and NSO Quarterly Report are reviewed by approximately 2,160 users each year.

This section provides an overview of the Surgery Risk Assessment package components found on the Surgery Risk Assessment Database used as an interim step in processing transmissions and also provides documentation conventions used in this *Surgery Risk Assessment Technical Manual*.

## Overview

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The Surgery Risk Assessment package is designed to be used by NSO staff and OIT staff that support the Surgery Risk Assessment Database. The Surgery Risk Assessment package is used to collect data for patients who have had surgical procedures. Surgery Risk Assessment data is collected at VA medical centers and transmitted to the Surgery Risk Assessment Database (SURGERY RISK ASSESSMENT file (#139)) for surgical procedure analysis and reporting purposes.

The *Surgery Risk Assessment Technical Manual* acquaints the user with the various Surgery Risk Assessment options found on the Surgery Risk Assessment Database and offers specific guidance on the maintenance and use of the package. Documentation concerning the VistA Surgery Risk Assessment package, including any subsequent change pages affecting this documentation, is located on the VistA Documentation Library (VDL) on the Internet at <http://www.va.gov/vdl/>.

## Organization

The Surgery Risk Assessment module on the Surgery Risk Assessment Database contains the following major components, also called modules:

- Processing Incoming Risk Assessment Transmissions
- Create Surgery Risk Assessment Download Files/Messages
- Create SRA Monthly Workload Report Messages

## Processing Incoming Risk Assessment Transmissions

### Non-Cardiac:

When a non-cardiac risk assessment at a VA medical center is ready for transmission to the Surgery Risk Assessment Database, it is transformed by the VistA Surgery package into a VistA MailMan message. This MailMan message is sent to the RISK ASSESSMENT mail group located on the Surgery Risk Assessment Database. The mail group location is hardcoded into the VistA Surgery Package.

When a non-cardiac risk assessment message or group of messages has been successfully transmitted to the Surgery Risk Assessment Database, an automatic server routine begins parsing the information stored in the MailMan messages into the SURGERY RISK ASSESSMENT file (#139). New non-cardiac records within file #139 are created for new non-cardiac risk assessments and existing non-cardiac risk assessments are updated if they already exist.

Once the server has successfully parsed the non-cardiac VistA MailMan message into file #139, validation messages are sent back to the Surgical Quality Nurse (SQN) at the VA

medical center, stating that the assessment has been successfully processed, and the ASSESSMENT STATUS field (#74) of the non-cardiac risk assessment is updated from "COMPLETE" to "TRANSMITTED".

If an error occurs as the message is loaded into file #139, an error code is generated and a VistA MailMan message containing the error code is sent to OIT Staff via the SRA OIT SUPPORT mail group at the Surgery Risk Assessment Database. The non-cardiac risk assessment remains in the "COMPLETE" status at the VA medical center and will continue to try and transmit each time the transmission process runs until it is successful. SRA OIT staff will work with the Surgical Quality Nurse and local/regional IT support to troubleshoot recurring errors.

### **Non-Assessed Cases (1-Liners):**

1-liner risk assessments are automatically created for all completed surgery cases. When the TIME PAT OUT OR field (#.232) in the SURGERY file (#130) is set for a surgery case at a VA medical center, the ^SRF("AQ", cross reference is set for that case. This cross reference is used to determine when a completed surgery case is transmitted to the Surgery Risk Assessment Database as a 1-liner risk assessment. The ^SRF("AQ", cross reference is set to 45 days after the end of the month for the date of operation for the completed case.

When a 1-liner risk assessment at a VA medical center is ready for transmission to the Surgery Risk Assessment Database, it is transformed by the VistA Surgery package into a VistA MailMan message. This MailMan message is sent to the RISK ASSESSMENT mail group located on the Surgery Risk Assessment Database. The mail group location is hardcoded into the VistA Surgery package.

When a 1-liner risk assessment message or group of messages has been successfully transmitted to the Surgery Risk Assessment Database, an automatic server routine begins parsing the information stored in the MailMan messages into the SURGERY RISK ASSESSMENT file (#139). New 1-liner records within file #139 are created for new 1-liner risk assessments and existing 1-liner risk assessments are updated if they already exist.

Once the server has successfully parsed the 1-liner VistA MailMan message into file #139, messages are sent back to the VA medical center updating the READY TO TRANSMIT field (#905) of the 1-liner case from "READY" to "TRANSMITTED" and the ^SRF("AQ", cross reference is removed.

If an error occurs as the message is loaded into file #139, an error code is generated and a VistA MailMan message containing the error code is sent to OIT Staff via the SRA OIT SUPPORT mail group at the Surgery Risk Assessment Database. The 1-liner risk assessment remains in the "READY" status at the VA medical center and will continue to try and transmit each time the transmission process runs until it is successful. SRA OIT



staff will work with the Surgical Quality Nurse and local/regional IT support to troubleshoot recurring errors.

**\*\*\*Note:** Cases that are not eligible for assessment or excluded from assessment also transmit as 1-liner risk assessments. 1-liner risk assessments are also sent to the Surgery Risk Assessment Database for cases logged/completed as cardiac risk assessments - see the Cardiac section below.

### **Monthly Surgical Case Workload Report:**

The Monthly Surgical Case Workload Report transmission message sent from VA medical centers to the Surgery Risk Assessment Database contains surgical case workload information such as the total number (count) of surgical cases performed in the prior month. It is used in later phases to keep track of facility workloads and to verify the number of records transmitted.

1. On the 26th day of each month, VA medical centers automatically send the Monthly Surgical Case Workload Report transmission message.
2. The Monthly Surgical Case Workload Report transmission message can be manually sent by the Surgical Quality Nurse at a VA medical center by selection of a prompt within the Monthly Surgical Case Workload Report [SROA MONTHLY WORKLOAD REPORT] option in the Surgery Risk Assessment Menu [SROA RISK ASSESSMENT] within the VistA Surgery package.
3. The Monthly Surgical Case Workload Report transmission message is also sent when a Surgical Quality Nurse at a VA medical center executes the Queue Assessment Transmissions [SROA TRANSMIT ASSESSMENTS] option which manually queues the VASQIP transmission process.

### **Cardiac:**

**\*\*\*Note:** Cardiac risk assessments are transmitted to both the Surgery Risk Assessment Database and the VA National Surgery Office (NSO) in Denver, CO as read-only MailMan messages. Cardiac risk assessment messages are not sent through the processing routine on the Surgery Risk Assessment Database.

When a cardiac risk assessment at a VA medical center is ready for transmission to the Surgery Risk Assessment Database, it is transformed by the VistA Surgery package into a VistA MailMan message. This MailMan message is sent to the CARDIAC RISK ASSESSMENTS mail group at the VA NSO Office in Denver, CO and the SRCARDIAC mail group at the Surgery Risk Assessment Database.

National Surgery Office (NSO) staff process VistA MailMan messages in the CARDIAC RISK ASSESSMENTS Inbox sent directly to the Denver, CO National Surgery Office.

Cardiac risk assessments are not processed or stored in the SURGERY RISK ASSESSMENT file (#139) on the Surgery Risk Assessment Database.

The most current transmission mapping for each of the four types of transmission messages are attached below. (These links will take you to the appropriate appendix section.)

- [Non-Cardiac Transmission Layout \(A\)](#)
- [Cardiac Transmission Layout \(B\)](#)
- [Workload Report Transmission Layout \(C\)](#)
- [1-Liner Transmission Layout \(D\)](#)

## **Create Surgery Risk Assessment Download Text Files/Messages**

The automated process to create text files and related Outlook messages runs based on the Risk Assessment Download Schedule in the Surgery Risk Assessment Database. The Task Risk Assessment Download Auto Process [SRATDLTASK] option is used to queue a recurring task on the Surgery Risk Assessment Database and is executed daily. It checks the RISK ASSESSMENT DOWNLOAD SCHEDULE file (#139.9) to determine if the process is to be executed. If a download is scheduled for this date, a message is sent to the SRA DOWNLOAD mail group on the Surgery Risk Assessment Database with the subject "VASQIP Download from NDB on xx/xx/xx notifying members of the name of the text files created by the download process". The text files that are created by the download process are sent in separate Outlook messages to recipients of the Surgery Risk Assessment Monthly Download Outlook distribution group. Each file is attached to the message as an encrypted, password protected zip file.

The three text files are named:

- Risk Assessment Download file
- Surgical Case Workload Totals
- Workload Incomplete Assessments

The files are securely sent to the NSO staff (via the Surgery Risk Assessment Monthly Download Outlook distribution group) using tools outside the Surgery Risk Assessment software.

## **Create SRA Monthly Workload Report Messages**

The automated process to create SRA Monthly Workload Report messages by VISN runs based on the Task Monthly Surgical Case Workload Report [SRAWTASK] option. This option is scheduled on the Surgery Risk Assessment Database and is used to queue a recurring task that is executed on the 27<sup>th</sup> day of each month to create the SRA Monthly Workload Report. This report includes surgery workload information and incomplete

assessment totals for each VISN. The report is sent as a MailMan message to the user(s) identified in the associated VISN mail group.

# Technical Manual

## Implementation and Maintenance

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The Implementation and Maintenance section contains information regarding the installation and setup of the Surgery Risk Assessment package.

### Installation

Installation of the Surgery Risk Assessment software and updates on the Surgery Risk Assessment Database are done by the OIT Staff assigned to support it. This software is not installed at VA medical centers but is installed in the Virtual VistA Cluster. For questions related to the installation of the Surgery Risk Assessment software package, please contact the Enterprise Service Desk.

### Troubleshooting

Information related to the troubleshooting of issues related to the Surgery Risk Assessment software and Surgery Risk Assessment Database is found in the Surgery Risk Assessment User Manual.

### Site Specific Parameters

Before using the Surgery Risk Assessment package, the following initial information must be set up.

1. SRA\*3.0\*0 INSTALLATION

Whenever patch SRA\*3.0\*0 is installed, the installer should use the VA FileMan Enter or Edit File Entries [DIEDIT] option to update the value of the SERVER DEVICE field (#227) in the OPTION file (#19) for entry "Surgery Risk Assessment National Database Server" [SRATSRV] from "PALO ALTO FDA MED GUIDE" to "SRA". This is a one-time task that only needs to be completed after the initial installation of SRA\*3.0\*0.

2. NEW PERSON file (#200)

All personnel (NSO users, support staff, etc.) must be properly defined in the NEW PERSON file (#200). Instructions can be found in the Surgery Risk Assessment User Manual.

3. SECURITY KEYS

Security keys have various uses in the Surgery Risk Assessment package and must be assigned as needed before using the package. The security keys used by the Surgery

Risk Assessment package are described in the Security Keys section of this manual. Instructions can be found in the Surgery Risk Assessment User Manual.

4. SURGERY ATTENDING CODES file (#139.3)

The entries of the SURGERY ATTENDING CODES file (#139.3) match what is defined in the ATTENDING CODES file (#132.9) of the Surgery package installed at VA medical centers.

5. SURGERY CANCELLATION REASON file (#139.7)

The entries of the SURGERY CANCELLATION REASON file (#139.7) match what is defined in the SURGERY CANCELLATION REASON file (#135) of the Surgery package installed at VA medical centers.

6. MAIL GROUPS

The following mail groups should be created with the appropriate persons added as members.

- SRA DOWNLOAD – This is the mail group that receives the VASQIP download message when the download process runs and text files are created. This is not the same as the Outlook distribution group that receives the encrypted password protected text files created by the download process.
- SRA RESOURCE MONITOR – This mail group was created on 2/15/19 to receive notifications of possible stuck resource device. The resource device is used to process surgery risk assessment transmissions.
- SRA-MGR – This mail group is made up of those who maintain the Surgery Risk Assessment Database and who receive the monthly workload report. The members of the SRA-MGR mail group who have been assigned the "SRA CLEANUP" security key also have transmission messages cleaned from their inbox daily and are alerted when there are error messages.
- SRA-VISN1 – This mail group receives the monthly workload report for VISN 1.
- SRA-VISN10 – This mail group receives the monthly workload report for VISN 10.
- SRA-VISN12 – This mail group receives the monthly workload report for VISN 12.
- SRA-VISN15 – This mail group receives the monthly workload report for VISN 15.
- SRA-VISN16 – This mail group receives the monthly workload report for VISN 16.
- SRA-VISN17 – This mail group receives the monthly workload report for VISN 17.
- SRA-VISN18 – This mail group receives the monthly workload report for VISN 18.

- SRA-VISN19 – This mail group receives the monthly workload report for VISN 19.
- SRA-VISN2 – This mail group receives the monthly workload report for VISN 2.
- SRA-VISN20 – This mail group receives the monthly workload report for VISN 20.
- SRA-VISN21 – This mail group receives the monthly workload report for VISN 21.
- SRA-VISN22 – This mail group receives the monthly workload report for VISN 22.
- SRA-VISN23 – This mail group receives the monthly workload report for VISN 23.
- SRA-VISN4 – This mail group receives the monthly workload report for VISN 4.
- SRA-VISN5 – This mail group receives the monthly workload report for VISN 5.
- SRA-VISN6 – This mail group receives the monthly workload report for VISN 6.
- SRA-VISN7 – This mail group receives the monthly workload report for VISN 7.
- SRA-VISN8 – This mail group receives the monthly workload report for VISN 8.
- SRA-VISN9 – This mail group receives the monthly workload report for VISN 9.
- SRCARDIAC – This mail group receives cardiac surgery risk assessment transmission messages.
- SRCOSERV – This mail group receives a mail message when a server request is received for Monthly Workload updates to the Surgery Risk Assessment Database. This mail group also receives processing error messages if the Monthly Workload data cannot be processed.
- SRA OIT SUPPORT – This mail group receives NSQIP transmission messages from the medical centers.

## Files

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The following files are exported with the Surgery Risk Assessment package.

**Table 1: Files Exported with the Surgery Risk Assessment Package**

<b>File #</b>	<b>Name</b>	<b>Update DD</b>	<b>Data Comes With File</b>	<b>User Override</b>
139	SURGERY RISK ASSESSMENT	YES	YES	NO
139.1	RISK ASSESSMENT SITE	YES	YES (MERGE)	NO
139.3	SURGERY ATTENDING CODES	YES	YES (MERGE)	YES
139.4	TRANSMISSION LAYOUTS	YES	YES	NO
139.7	SURGERY CANCELLATION REASON	YES	YES	NO
139.9	RISK ASSESSMENT DOWNLOAD SCHEDULE	YES	NO	NO

**Note:** The \*SURGERY QUARTERLY DATA file (#130.99) and the \*SURGERY TRANSPLANT ASSESSMENTS file (#139.6) are no longer used. These files are not displayed with descriptions in the next section.

## File Descriptions

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View file descriptions by using the VA FileMan Print File Entries [DIPRINT] option. The Surgery Risk Assessment file numbers range from 139 to 139.9.

**Note:** Files \*SURGERY QUARTERLY DATA (#130.99) and \*SURGERY TRANSPLANT ASSESSMENTS (#139.6) are not included in this section because they are no longer in use.

### Example:

Select VA FileMan Option: **Print File Entries**

```
Output from what File: FILE
Sort by: NAME// .001 NUMBER
Start with NUMBER: FIRST// 139
Go to NUMBER: LAST// 139.9
  Within NUMBER, Sort by: <Enter>
First Print ATTRIBUTE: 1 GLOBAL NAME
Then Print ATTRIBUTE: .01 NAME
Then Print ATTRIBUTE: 4 DESCRIPTION (word-processing)
Then Print ATTRIBUTE: <Enter>
Heading (S/C): FILE List// <Enter>
START at PAGE: 1// <Enter>
DEVICE: ;;1000 TCP/IP
```

FILE List SEP 10, 2024@10:46 PAGE 1

GLOBAL NAME NAME  
DESCRIPTION

-----

NUMBER: 139  
^SRA( SURGERY RISK ASSESSMENT  
This file is used to store risk assessments sent to it from the sites via MailMan. The Hines cooperative study group will periodically download these assessments to their database.

NUMBER: 139.1  
^SRAW( RISK ASSESSMENT SITE  
This file contains the medical centers participating in the National Surgical Quality Improvement Program and the monthly surgical case workload for each.

NUMBER: 139.3  
^SRATT( SURGERY ATTENDING CODES  
This file is pointed to by the ATTENDING CODE field in the SURGERY RISK ASSESSMENT file (#139). It contains the codes representing the highest level of resident supervision provided by the attending staff surgeon.

NUMBER: 139.4  
^SRAM(139.4, TRANSMISSION LAYOUTS  
This file contains the layouts for the transmission messages being sent to the Surgery Risk Assessment Database. The file is released with data and includes the field name, file and position for each data piece transmitted.

NOTE: This file MUST be updated as part of any enhancement release that



changes the data being sent to the Surgery Risk Assessment Database.

NUMBER: 139.7

^SRCAN( SURGERY CANCELLATION REASON

This file stores the VA Surgical Service standard cancellation reasons.

NUMBER: 139.9

^SRAFY(139.9, RISK ASSESSMENT DOWNLOAD SCHEDULE

This file contains the Risk Assessment Data Download schedule.

The download dates included in this file are provided by the National Surgery Office annually.

The dates identified in this file determine when the Risk Assessment Data Download Process should be executed.

## Routines

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The following is the list of routines used in the Surgery Risk Assessment package. This list excludes all initialization routines, protocol installation routines, and routines exported with patches that performed a one-time function. The first line of each routine contains a brief description of the general function of the routine. Use the Kernel First Line Routine Print [XU FIRST LINE PRINT] option to print a list of just the first line of each routine in the SRA\* namespace.

**Table 2: List of SRA Routines from FOURWORD**

SRADLRPT	SRAENV	SRAFERR	SRAKILL	SRAKILL1	SRAKILL2	SRAMEAS	SRANUR
SRAPOST0	SRAPOST4	SRAPRE4	SRAPURGE	SRARMON	SRASITE	SRATCHK	SRATCHK1
SRATDL	SRATDL1	SRATDL2	SRATDL3	SRATDL4	SRATDLNO	SRATMNO	SRATMNO7
SRATMNO8	SRATMNOX	SRATP	SRATP1	SRATP2	SRATP3	SRATP4	SRATP5
SRATP6	SRATP7	SRATPB	SRATPOTH	SRATPS	SRATSRV	SRATSRV2	SRATSRV3
SRATSRV4	SRATSRV7	SRATSRV8	SRATSRVX	SRATT	SRATUTL	SRATVMS	SRAVISN
SRAWDELM	SRAWRPT	SRAWRPT1	SRAWSERV	SRAWTXT			

## Exported Options

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This section contains information about the Surgery Risk Assessment package options. The exported options are first listed by name. They are then provided alphabetically with a description of each option.

### Options Listed by Name

The following table contains a list of all of the options in the Surgery Risk Assessment package, listed alphabetically by Option Name.

**Table 3: Options in the Surgery Risk Assessment Package**

Option Name	Menu Text
SRA DOWNLOAD	Print Risk Assessment Download Schedule
SRA DOWNLOAD EDIT	Risk Assessment Download Schedule (Enter/Edit)
SRA MAINTENANCE	Risk Assessment Database Maintenance Menu
SRA OIT UTILITIES	OI&T Staff Utilities for Risk Assessment Menu
SRA RESOURCE MONITOR	SRA Resource Device Monitor
SRA SITE EDIT	Risk Assessment Site (Enter/Edit)
SRA TRANSMISSION LAYOUTS	Edit Transmission Layouts File (#139.4)
SRA VISN DISPLAY	Display VISN/Medical Center Alignment
SRA VISN NURSE	VISN Workload Report Recipients (Enter/Edit)
SRA VISN RN LIST	List of VISNS and Surgical Nurse Contacts
SRA VISN UPDATE	VISN Identified for Medical Center (Enter/Edit)
SRAFERR	Check for Risk Assessment Transmission Errors
SRAMLR	Print SRA Transmission Message Format

SRAMSGP	Parse Risk Assessment Message
SRAPARSE	Decipher SRA Transmission Message
SRATDL	*Create Surgery Risk Assessment Download Files
SRATDLEDIT	Risk Assessment Download Schedule (Enter/Edit)
SRATDLPRT	Print Risk Assessment Download Schedule
SRATDLTASK	Task Risk Assessment Download Auto Process
SRATMENU	Surgery Risk Assessment Manager Menu
SRATSRV	Surgery Risk Assessment National Database Server
SRAWRPT	Surgical Case Workload Report (VISNs)
SRAWSERV	Surgery Server for NSQIP Workload Data
SRAWTASK	Task Monthly Surgical Case Workload Report
SRAWTXT	*Download Monthly Workload Reports

\* These options are flagged for deletion in a future release.

## Option Descriptions

This section provides a listing of Surgery Risk Assessment options and includes a brief description of each. They are listed alphabetically by Menu Text.

### ***Check for Risk Assessment Transmission Errors [SRAFERR]***

This option is tasked nightly. It checks the IN box of the members of the SRA-MGR mail group who have been assigned the "SRA CLEANUP" security key. It identifies messages which contain "ERROR" or "PROBLEM" in the subject. It sends an email to the member and their remote email with the number of messages in the IN box, total error messages, total messages deleted and information on any error messages. After processing, it will purge non-error Risk Assessment Transmission messages.

For research purposes, the counts, Internal Entry Number (IEN) and Message Subject of deleted messages will be stored in the ^XTMP("SRAFERR") global if needed for 120 days.

Annually, on December 31st, this background task will also call PURGE^SRAPURGE and delete data greater than three full fiscal years old. A temporary backup of the purged records is kept in the ^XTMP global for sixty days. Therefore, copies of the purged records are now stored in the global ^XTMP("SRAPURGE\_AUDIT "\_date. The date is in VistA format. (Example:

^XTMP("SRAPURGE\_AUDIT 3231116") The global will be purged automatically after sixty days. If the purged records need to be restored with 60 days of the purge, the command RESTORE^SRAPURGE may be invoked from programmer's mode.

### ***\*Create Surgery Risk Assessment Download Files [SRATDL]***

Note: This option has been replaced with the Task Risk Assessment Download Auto Process [SRATDLTASK] option which automates the risk assessment download process.

This option tasks the surgery risk assessment download process to run at the date and time selected.

### ***Decipher SRA Transmission Message [SRAPARSE]***

User can enter a message IEN or find a NC or 1-Liner from their inbox. Tool will ask to choose one case or all (if the message has multiple cases). All lines of the message will be parsed.

### ***Display VISN/Medical Center Alignment [SRA VISN DISPLAY]***

This option displays the medical center and VISN alignment stored in the RISK ASSESSMENT SITE file (#139.1).

### ***\*Download Monthly Workload Reports [SRAWTXT]***

*Note: This option has been replaced with the Task Monthly Surgical Case Workload Report [SRAWTASK] option.*

This option allows the downloading of monthly surgical case workload reports to a text file.

### ***Edit Transmission Layouts File (#139.4) [SRA TRANSMISSION LAYOUTS]***

This option allows modification of the TRANSMISSION LAYOUTS file (#139.4).

### ***List of VISNS and Surgical Nurse Contacts [SRA VISN RN LIST]***

This option lists the surgical nurse point of contact listed in the Remote Member field in the Risk Assessment mail group for each VISN.

### ***OIT Staff Utilities for Risk Assessment Menu [SRA OIT UTILITIES]***

This menu contains options used by OIT Staff to management the Surgical Risk Assessment Database.

### ***Parse Risk Assessment Message [SRAMSGP]***

Server option to parse a Non-Cardiac or 1-Liner message into component parts. Used as part of option SRAPARSE.

***Print Risk Assessment Download Schedule [SRA DOWNLOAD]***

This option prints the download dates stored in the RISK ASSESSMENT DOWNLOAD SCHEDULE file (#139.9).

***Print Risk Assessment Download Schedule [SRATDLPRT]***

*Note: This option has been replaced with the option SRA DOWNLOAD.*

This option prints the download dates stored in the RISK ASSESSMENT DOWNLOAD SCHEDULE file (#139.9).

***Print SRA Transmission Message Format [SRAMLR]***

For either Non-Cardiac or 1-Liner messages, user may select a message line to see a map of the data that is sent in that line.

***Risk Assessment Database Maintenance Menu [SRA MAINTENANCE]***

This menu contains options used to maintain configurable files and mail groups used within the Surgery Risk Assessment Database. These options are used to update these items when changes in staff, VISN associations, or download schedules are made.

***Risk Assessment Download Schedule (Enter/Edit) [SRA DOWNLOAD EDIT]***

This option allows for the entry and editing of the RISK ASSESSMENT DOWNLOAD SCHEDULE file (#139.9). Note that if a date needs to be changed, it will need to be deleted and the new date entered.

The data in this file is used by the daily tasked job, Task Risk Assessment Download Auto Process [SRATDLTASK], to determine the dates for which a download text file should be created.

\*\*\*In order to add a new entry using this option, the user must have the FILE MANAGER ACCESS CODE field (#3) in the NEW PERSON file (#200) set to "@".

***Risk Assessment Download Schedule (Enter/Edit) [SRATDLEDT]***

*Note: This option has been replaced with the option SRA DOWNLOAD EDIT.*

This option allows for the entry and editing of the RISK ASSESSMENT DOWNLOAD SCHEDULE file (#139.9). Note that if a date needs to be changed, it will need to be deleted and the new date entered.

The data in this file is used by the daily tasked job, Task Risk Assessment Download Auto Process [SRATDLTASK], to determine the dates for which a download text file should be created.

\*\*\*In order to add a new entry using this option, the user must have the FILE MANAGER ACCESS CODE field (#3) in the NEW PERSON file (#200) set to "@".

### ***Risk Assessment Site (Enter/Edit) [SRA SITE EDIT]***

This option is used to add, edit, or inactivate sites in the RISK ASSESSMENT SITE file (#139.1). When edits are made, a message is sent to the Surgery Risk Assessment Monthly Download distribution group in Outlook.

### ***SRA Resource Device Monitor [SRA RESOURCE MONITOR]***

This option monitors the SRA resource device and sends an email notification if a slot in use appears hung.

### ***Surgery Risk Assessment Manager Menu [SRATMENU]***

This is the main menu for Surgery Risk Assessment. It contains the options used for the maintenance and functions of the application.

### ***Surgery Risk Assessment National Database Server [SRATSRV]***

Used to process incoming surgery risk assessments sent in MailMan messages from the VAMCs moving the data into a national database.

### ***Surgery Server for NSQIP Workload Data [SRAWSERV]***

This server option processes the monthly National Surgery Quality Improvement Program case workload report mail messages moving data into the NSQIP national database.

### ***Surgical Case Workload Report (VISNs) [SRAWRPT]***

*Note: As of November 2019, this report is created and sent to VISN Nurses automatically. This option will only be used for ad hoc requests requiring manual creation.*

This option produces the VASQIP Surgical Case Workload Report which includes surgery workload information and incomplete assessment totals for the selected month. The report may be produced for a single VISN or for all VISNs. The report produced may be e-mailed to VISN Nurse Leaders or to selected individuals. The report may also be displayed on the screen or sent to a printer.

### ***Task Monthly Surgical Case Workload Report [SRAWTASK]***

This option is used to queue a recurring task which will be executed on the 27th day of each month to create the VASQIP Surgical Case Workload Report. This report includes surgery workload information and incomplete assessment totals for each VISN. The report is emailed to VISN Nurse Leaders identified in the associated VISN mail group. By tasking this report, the option Surgical Case Workload Report (VISNs) [SRAWRPT] will not need to be used manually each month.

### ***Task Risk Assessment Download Auto Process [SRATDLTASK]***

This option is to be used to queue a recurring task which will be executed daily. It will check the RISK ASSESSMENT DOWNLOAD SCHEDULE file (#139.9) to determine if the process is to be executed. If a download is scheduled for this date, the Surgery Risk Assessment, the Surgery Case Workload Totals, and the Surgery Case Work Incomplete Assessments Totals data will be downloaded to text files.

The text file name format will be as follows:

SRDL\_mmddyy.TXT - Surgery Risk Assessment

SRTOTALS\_mmddyy.TXT - Workload Totals

SRINCOMP\_mmddyy.TXT - Workload Incomplete Assessments Totals

mm = 2-digit month, dd = 2-digit day, and yy = 2-digit year

It will send a MailMan message to users in the G.SRA DOWNLOAD mail group with the file names and directory name. For the Surgery Risk Assessment, it will include details on the number of records included from each site.

Routine also removes SR\* text files greater than 60 days old.

### ***VISN Identified for Medical Center (Enter/Edit) [SRA VISN UPDATE]***

This option can update the medical center and VISN alignment stored in the RISK ASSESSMENT SITE file (#139.1).

### ***VISN Workload Report Recipients (Enter/Edit) [SRA VISN NURSE]***

This option allows editing of the VISN RN who receives the Surgical Case Workload Report.



# Templates

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This section lists the templates provided with the Surgery Risk Assessment package.

## Input Templates

**SRA TRANSMISSION LAYOUT:** This template is used to enter/edit information in the TRANSMISSION LAYOUTS file (#139.4)

## Print Template

There are no Print Templates included.

## Sort Template

There are no Sort Templates included.

## Globals in the Risk Assessment Package

---

The Surgery Risk Assessment package stores data in the following globals:

^SRA	SURGERY RISK ASSESSMENT (#139)
^SRAFY	RISK ASSESSMENT DOWNLOAD SCHEDULE (139.9)
^SRATT	SURGERY ATTENDING CODES (#139.3)
^SRAW	RISK ASSESSMENT SITE (#139.1)
^SRB	*SURGERY TRANSPLANT ASSESSMENTS (#139.6)
^SRCAN	SURGERY CANCELLATION REASON (#139.7)
^SRCO	*SURGERY QUARTERLY DATA (#130.99)
^SRAM	TRANSMISSION LAYOUTS (#139.4)

### Journaling Globals

The globals SRA are recommended for journaling.

## Archiving and Purging

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This section describes the archiving and purging processes related to the Surgery Risk Assessment package.

### Archiving

The Surgery Risk Assessment package does not provide for the archiving of data.

### Purging

As part of the nightly tasked option Check for Risk Assessment Transmission Errors [SRAFERR], the software checks to determine whether it is time to purge old assessments. If the date is December 31<sup>st</sup>, the software will delete all entries in the SURGERY RISK ASSESSMENT file (#139) prior to the previous three fiscal years. For example, when run on December 31, 2023, all entries with a date prior to October 1, 2020 will be deleted.

## Callable Routines

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There are no Surgery Risk Assessment routines callable by other packages. There are no interdependencies with other systems.

## External Relations

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This section lists the packages needed to run the Surgery Risk Assessment package, and also the calls that are made by the Surgery Risk Assessment package to external routines.

### Packages Needed to Run Surgery Risk Assessment

The Surgery Risk Assessment package relies minimally on the following external packages. This software is not included in this package and must be installed before the Surgery Risk Assessment package is completely functional.

**Table 4: External Packages to Run the Surgery Risk Assessment Package**

Package	Minimum Version Needed
Kernel	8.0
VA FileMan	22.2
MailMan	8.0

### Calls Made by Surgery Risk Assessment Package

The Surgery Risk Assessment package makes calls to the following external references:

**Table 5: External References**

Routine	Entry Points Used
%DT	^%DT, DD
%DTC	NOW
%RCR	%XY
%ZIS	^%ZIS
%ZISC	^%ZISC
%ZISH	\$\$DEL, \$\$GATF, \$\$LIST, \$\$PWD, CLOSE, OPEN
%ZTLOAD	^%ZTLOAD, \$\$S
DDIOL	EN
DIC	^DIC, \$\$FIND1, LIST

<b>Routine</b>	<b>Entry Points Used</b>
DICN	FILE
DID	\$\$GET1
DIE	^DIE, UPDATE^DIE, FILE^DIE
DIK	^DIK
DIQ	\$\$GET1, D, GETS
DIR	^DIR
XLFDT	\$\$DT, \$\$FMADD, \$\$FMTE, \$\$HDIFF, \$\$HTFM, \$\$NOW
XLFSTR	\$\$UP, \$\$LOW, \$\$REPLACE, \$\$TRIM
XMA03	\$\$REN
XMA1C	REMSBMSG
XMD	^XMD
XMXAPI	DELMSG, SENDMSG
XMXAPIB	LISTMSGS, QBSKT
XPAR	\$\$GET
XUSER	\$\$ACTIVE

## Database Integration Control Registrations

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The Surgery Risk Assessment package has the following Database Integration Control Registrations (ICRs) with other packages. For complete information regarding ICRs, please refer to the DBA MENU [DBA] option > INTEGRATION CONTROL REGISTRATIONS [DBA IA INTEGRATION AGREEMENTS] option on FORUM.

2061 NAME: DBIA2061  
CUSTODIAL PACKAGE: MAILMAN  
SUBSCRIBING PACKAGE: SURGERY RISK ASSESSMENT  
Added 6/11/20, effective with SRA\*3\*3  
USAGE: Controlled Subscription ENTERED: JUL 11,1997  
STATUS: Active EXPIRES:  
DURATION: VERSION:  
FILE: 3.8 ROOT: XMB(3.8  
TYPE: File  
DESCRIPTION:  
This is an agreement for FileMan read/write access to subfile 3.812, (#12)  
MEMBERS - REMOTE.

GLOBAL REFERENCE:  
^XMB(3.8,D1,6,  
.01 MEMBERS - REMOTE 0;1 Both R/W w/Fileman

KEYWORDS:

\*\*\*\*\*

## Internal Relations

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All the Surgery Risk Assessment package options are designed to be standalone. There are no package level entry or exit actions required for any of the Surgery Risk Assessment options.



## **Package-Wide Variables**

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There are no package-wide Surgery Risk Assessment namespaced local variables.

# Security Guide

## Contingency Planning

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The Surgery Risk Assessment package runs on a VistA server that is backed-up daily.

## Interfacing

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This section describes the interfaces to the Surgery Risk Assessment package. All interfacing between the Surgery Risk Assessment package on the Surgery Risk Assessment Database and VistA Surgery package at the VA medical centers are done using the MailMan server capabilities.

# Security Keys

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The following keys are used to restrict access to menus and options. Only holders of these keys will be permitted to access the locked options or functions.

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**Table 6: Security Keys used to Restrict Access**

<b>Security Key</b>	<b>Description</b>
SR DOWNLOAD	This security key is used to lock the various Surgery download options.
SRA CLEANUP	This security key is used to determine if a Member of the SRA-MGR Mail Group's Mailman IN box should be cleaned up when the "SRA Task to Check for Error Messages" [SRAFERR] option is executed or tasked. ***Note the menu text for the SRAFERR option is actually "Check for Risk Assessment Transmission Errors". The menu text in the Description field of the SECURITY KEY file (#19.1) is incorrect.

## File Security

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The following files were distributed with limited access for first time installations of the Surgery Risk Assessment Database software. Files not listed below were sent without restrictions on VA FileMan access. Sites can add their own file access codes as needed, but it is highly recommended that they do not change the codes that are sent with this software package.

**Table 7: First Time Installations of the Surgery Risk Assessment Database Software Files**

File Number	File Name	Read	Write	Delete	LAYGO
139	SURGERY RISK ASSESSMENT				
139.1	RISK ASSESSMENT SITE				
139.3	SURGERY ATTENDING CODES				
139.4	TRANSMISSION LAYOUTS	@	@	@	@
139.6	*SURGERY TRANSPLANT ASSESSMENTS	@	@	@	@
139.7	SURGERY CANCELLATION REASON	@	@	@	@
139.9	RISK ASSESSMENT DOWNLOAD SCHEDULE			@	@
130.99	*SURGERY QUARTERLY DATA	@	@	@	@

**Note:** "\*" at the start of the file name indicates the file no longer used.

# Appendix

## Appendix A: Non-Cardiac Transmission Layout

The non-cardiac transmission layout was last updated in 2024 by SR\*3.0\*205 and SRA\*3.0\*9.

Each line begins with "\$" in position 1, Station Number in positions 2-4, Assessment Number in positions 5-11, and Line Identifier in positions 12-14. The station id-assessment numbers combine on the national database to form the ID-NUMBER field (#.01) in the SURGERY RISK ASSESSMENT file (#139).

### Line 1 of the Non-Cardiac Transmission Layout

Line 1 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes
		Global	Field	Global	Field		Code Stands for
15-21	7	RA;4	206	S;4	115	DATE TRANSMITTED	
22-24	3	OPDATE – DoB		0;3	2	AGE	
25	1	VADM(5)		0;4	3	SEX	M MALE F FEMALE
26-37	12	0;9	.09	0;5	4	DATE OF OPERATION	
38-57	20	VA("PID")		SRAPID;1 309		PATIENT ID	
58-63	6	8;1	50	0;18	7	DIVISION	
64-75	12	205;3	342	0;17	219	DATE/TIME OF DEATH	
76-105	30	.02	.02	6;1	.02	OP ROOM PROCEDURE PERFORMED	Name of OR
106-107	2	52;1	619	6;5	449	IMMED USE - CONTAMINATION	(0 to 99)
108-109	2	52;2	620	6;6	450	IMMED USE-SPS/OR MAN ISSUE	(0 to 99)
110-111	2	52;3	621	6;7	451	IMMED USE- EMERGENCY CASE	(0 to 99)
112-113	2	52;4	622	6;8	452	IMMED USE-NO BETTER OPTION	(0 to 99)
114-115	2	52;5	623	6;9	453	IMMED USE -LOANER	(0 to 99)
116-117	2	52;6	624	6;10	454	IMMED USE - DECONTAMINATION	(0 to 99)

Line 1 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes
		Global	Field	Global	Field		Code
118-119	2	200;55	618	6;11	455	POSITIVE DRUG SCREENING	1 NOT DONE 2 NEGATIVE RESULT 3 POS NOT RX 4 POS RX
120-121	2	200.1;9	517	6;12	456	TOBACCO USE	1 NEVER USED TOBACCO 2 NO USE IN LAST 12 MOS 3 CIGARETTES ONLY 4 OTHER (NO CIGARETTES) 5 CIGARETTES PLUS OTHER
122-123	2	200.1;10	518	6;13	457	TOBACCO USE TIMEFRAME	1 WITHIN 2 WEEKS 2 2 WKS TO 3 MOS 3 3 TO 12 MONTHS NA NOT APPLICABLE
124-125	2	200.1;11	519	6;14	458	DIABETES MELLITUS CHRONIC	1 NO 2 DIET 3 ORAL 4 INSULIN
126-127	2	200.1;12	520	6;15	459	DIABETES MELLITUS PREOP MGMT	1 NO 2 DIET 3 ORAL 4 INSULIN
128-129	2	200.1;13	521	6;16	460	CVD REPAIR/OBSTRUCTION	0 NO CVD 1 YES - NO SURGICAL REPAIR 2 YES - PRIOR SURGICAL REPAIR
130-131	2	200.1;14	522	6;17	461	HISTORY OF CVD	0 NO CVD 1 HISTORY OF TIA'S 2 CVA/STROKE NO NEURO DEFICIT 3 CVA/STROKE W/ NEURO DEFICIT

### Line 2 of the Non-Cardiac Transmission Layout

Line 2 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
15	1	200;2	346	15;1	225	DIABETES – <i>Discontinued use after 2012 update</i>	N NO O ORAL I INSULIN	
16	1	200;3	202	2;2	19	CURRENT SMOKER – <i>Discontinued use after 2012 update</i>		
17	1	200;4	246	1;9	88	ETOH > 2 DRINKS/DAY	Y YES N NO NS NO STUDY	
18	1	200.1;2	492	10;9	82.5	PRE-OP FUNCTIONAL STATUS	1 INDEPENDENT 2 PARTIALLY DEPENDENT 3 TOTALLY DEPENDENT <del>4 UNKNOWN</del>	
19	1	200;6	325	10;12	197	DYSPNEA	1 NO 2 MODERATE EXERTION 3 AT REST NS NO STUDY	
20	1	200;7	238	5;6	79	DNR STATUS	Y YES N NO NS NO STUDY	
21	1					- blank -		
22	1	200;10	204	2;5	22	VENTILATOR DEPENDENT	Y YES N NO NS NO STUDY	
23	1	200;11	203	2;3	20	HISTORY OF COPD	Y YES N NO	
24	1	200;12	326	10;13	198	CURRENT PNEUMONIA	Y YES N NO NS NO STUDY	
25	1	200.1;6	446	4;8	443	INTRAOPERATIVE ASCITES	Y YES N NO	



Line 2 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
26	1	200;15	212	4;3	35	PREOPERATIVE ASCITES	Y YES N NO NS NO STUDY	
27	1	200;16	213	4;4	36	ESOPHAGEAL VARICIES	Y YES N NO NS NO STUDY	
28	1					- blank -		
29	1	206;14	205	2;1	281	PRIOR MI	0 NO 1 YES, < OR EQUAL 7 DAYS PREOP 2 YES, >7 DAYS AND <6 MONTHS PREOP 3 UNKNOWN 4 YES, >6 MONTHS PREOP 5 UNKNOWN	
30	1	200;56	640	1;8	46	PCI	1 NONE 2 <12 HR OF SURG 3 >12 HR - 7 DAYS 4 >7 DAYS 5 UNKNOWN	
31	1	200;33	266	15;6	239	PREVIOUS CARDIAC SURGERY  **Will not be used after SR*3*182	Y YES N NO	
32	1	200;34	395	1;3	282	ANGINA WITHIN 1 MONTH  **Will not be used after SR*3*182	Y YES N NO NS NO STUDY	
33	1	200;35	396	1;4	283	CHF WITHIN ONE MONTH  **Will not be used after SR*3*182	Y YES N NO NS NO STUDY	

Line 2 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
34	1	200;57	641	3;5	29	HYPERTENSION	1 NO 2 YES WITHOUT MEDICATION THERAPY 3 YES WITH MEDICATION THERAPY 4 UNKNOWN	
35	1	200;38	328	2;8	201	RENAL FAILURE	Y YES N NO NS NO STUDY	
36	1	200;39	211	4;1	33	CURRENTLY ON DIALYSIS	Y YES N NO NS NO STUDY	
37	1	206;16	265	2;9	202	PERIPHERAL ARTERIAL DISEASE	1 NO 2 YES-W/O ANGI, REVASC, or AMPUT 3 YES-W HX ANGI, REVASC, or AMPUT	
38	1	200;42	330	2;10	203	REST PAIN/GANGRENE	Y YES N NO NS NO STUDY	
39	1					- blank -		
40	1	200;19	332	2;13	206	IMPAIRED SENSORIUM	Y YES N NO NS NO STUDY	
41	1					- blank -		
42	1	200;21	333	2;14	207	COMA	Y YES N NO NS NO STUDY	
43	1					- blank -		
44	1					- blank -		

Line 2 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
45	1	200;24	400	1;10	287	HEMIPLEGIA (Y/N)	Y	YES N NO NS NO STUDY
46	1	200;25	334	2;15	208	HISTORY OF TIA'S – <i>Discontinued use after 2012 update</i>	Y	YES N NO NS NO STUDY
47	1	200;26	335	2;16	209	CVA/RESIDUAL NEURO DEFICIT – <i>Discontinued use after 2012 update</i>	Y	YES N NO NS NO STUDY
48	1	200;27	336	2;17	210	CVA/NO NEURO DEFICIT – <i>Discontinued use after 2012 update</i>	Y	YES N NO NS NO STUDY
49	1					- blank -		
50	1	200;29	401	1;11	288	TUMOR INVOLVING CNS (Y/N)	Y	YES N NO NS NO STUDY
51	1	200;45	338	2;19	212	DISSEMINATED CANCER (Y/N)	Y	YES N NO NS NO STUDY
52	1	200;46	218	5;4	43	OPEN WOUND OR INFECTION	Y	YES N NO NS NO STUDY
53	1	200;47	339	2;20	213	CHRONIC STEROID USE (Y/N)	Y	YES N NO NS NO STUDY
54	1	200;48	215	5;1	40	WEIGHT LOSS > 10%	Y	YES N NO NS NO STUDY
55	1	200;49	216	5;2	41	BLEEDING (COAGULATION) DISORDER	Y	YES N NO
56	1	200;50	217	5;3	42	TRANSFUSION > 4 RBC UNITS	Y	YES N NO NS NO STUDY

Line 2 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
57-58	2	200.1;3	269	4;6	430	PREGNANCY	N	NO NA NOT APPLICABLE Y YES
59-61	3	0;4	.04	0;2	23	SURGICAL SPECIALTY	48	CARDIAC SURGERY 49 TRANSPLANTATION 50 GENERAL SURGERY 51 OB/GYN 52 NEUROSURGERY 53 OPHTHALMOLOGY 54 ORTHOPEDICS 55 EAR, NOSE, THROAT (ENT) 56 PLASTIC SURGERY 57 PROCTOLOGY 58 THORACIC SURGERY 59 UROLOGY 60 ORAL SURGERY 61 PODIATRY 62 PERIPHERAL VASCULAR 78 ANESTHESIOLOGY
62-63	2	200;52	214	0;19	38	PGY OF PRIMARY SURGEON		Number 1 to 12 or 0 for Staff Surgeon
64	1	0;10	.035	0;6	291	EMERGENCY CASE (Y/N)	Y	YES N NO
65-66	2	1.0;8	1.09	0;16	78	WOUND CLASSIFICATION	C	CLEAN CC CLEAN/ CONTAMINATED D CONTAMINATED I DIRTY/INFECTED
67	1	200;53	201	0;11	10	REDO PROCEDURE	Y	YES N NO

Line 2 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
68	1	1.1;3	1.13	1;2	12	ASA CLASSIFICATION	1	1-NO DISTURB.
							2	2-MILD DISTURB.
							3	3-SEVERE DISTURB.
							4	4-LIFE THREAT
							5	5-MORIBUND
							6	6-BRAIN-DEAD
							1E	1E-NO DISTURB-EMERG
							2E	2E-MILD DISTURB.-EMERG
							3E	3E-SEVERE DIST.-EMERG.
							4E	4E-LIFE THREAT-EMERG.
							5E	5E-MORIBUND- EMERG.
							6E	6E-BRAIN- DEAD-EMERG.
							N	N-None Assigned
69	1	6,0;1	130.06,.01	2;6	192	ANESTHESIA TECHNIQUE	G	GENERAL
							S	SPINAL
							E	EPIDURAL
						**OTHER option will be inactivated after 2014 update	M	MONITORED ANESTHESIA CARE
							<del>O</del>	<del>OTHER</del>
							L	LOCAL
							R	REGIONAL
							N	NO ANESTHESIA
70	1	1.1;3	1.13	1;2	12	ASA CLASSIFICATION SUFFIX "E"		
71	1	6,8;2	130.06,42	2;7	193	INTUBATED? (Y/N)	Y	YES
							N	NO
72	1	200.1;8	237.1	2;4	446	PREOPERATIVE SLEEP APNEA	1	NONE-LEVEL 1
							2	SUSPICION OF SLEEP APNEA-LEVEL 2
							3	SLEEP APNEA-LEVEL 3

Line 2 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
73-76	4	206;1	236	0;14	76	HEIGHT		
77-80	4	206;2	237	0;15	77	WEIGHT		
81-86	6	206;42	485	182;1	372	PRIOR HEART SURGERIES	0 NONE 1 CABG-ONLY 2 VALVE-ONLY 3 CABG/VALVE 4 OTHER 5 CABG/OTHER 6 Unknown	
87	1	200;59	643	182;2	373	ANGINA TIMEFRAME	1 NO ANGINA 2 W/N 14 DAY OF SURGERY 3 W/N 15-30 DAYS OF SURGERY 4 UNKNOWN	
88	1	200;58	642	182;3	374	BLEEDING RISK DUE TO MED	N NO BLEEDING RISK FROM MED Y BLEEDING RISK MED NOT D'C	
89-91	3	25;1	44	182;4	375	SPONGE FINAL COUNT CORRECT	Y YES N NO, SEE NURSING CARE COMMENTS NA NOT APPLICABLE	
92-94	3	25;2	45	182;5	376	SHARPS FINAL COUNT CORRECT	Y YES N NO, SEE NURSING CARE COMMENTS NA NOT APPLICABLE	
95-97	3	25;3	46	182;6	377	INSTRUMENT FINAL COUNT CORRECT	Y YES N NO, SEE NURSING CARE COMMENTS NA NOT APPLICABLE	
98	1	25;6	630	182;7	378	POSSIBLE ITEM RETENTION	Y YES N NO	
99	1	25;7	633	182;8	379	WOUND SWEEP	Y YES N NO	
100	1	25;8	636	182;9	463	INTRA-OPERATIVE X- RAY	Y YES N NO	

Line 2 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
101-103	3			182;10	464	NUMBER OF PROSTHESIS INSTALLED	(0 to 999)	
104-106	3			182;11	465	NUM OF READ BACK PERFORMED	(0 to 999)	
107-109	3	206;18	267	1;3	282	ANGINA SEVERITY	N NONE I CLASS I II CLASS II III CLASS III IV CLASS IV U UNKNOWN	
110-112	3	206;19	207	3;4	28	CONGESTIVE HEART FAILURE  **Will no longer used after SR*3*184	N NONE I CARDIAC DISEASE, NO SYMPTOMS II SLIGHT LIMITATION III MARKED LIMITATION IV SYMPTOMS AT REST U UNKNOWN	
113-115	3	.4;6	.46	182;19	478	OP DISPOSITION	0 OUTPATIENT/ DISCHARGE I ICU S STEPDOWN W WARD OBS OBSERVATION UNIT M MORGUE	
116-117	2	210;1	662	184;4	92	IMPAIRED COGNITIVE FUNCTION	0 NONE-NO IMPAIRMENT 1 YES-DOCUMENTED HISTORY 2 YES-DOCUMENTE D AND DECLINING 3 NO STUDY-NO DOCUMENTATION	
118-119	2	200.1;15	667	184;5	93	Sleep Apnea- Compliance	1 NIGHTLY 2 > OR EQUAL 4 TIMES A WEEK 3 < 4 TIMES A WEEK 4 NOT DOCUMENTED	

Line 2 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes
		Global	Field	Global	Field		Code
120-121	2	204;17	338.3	184;6	94	CHEMO FOR MALIG LAST 90 DAYS	1 NO CHEMO 2 W/IN 30 DAYS 3 31-90 DAYS
122-123	2	210;5	670	184;7	96	RESIDENCE 30 DAYS PREOP	1 HOME 2 ACUTE CARE FACILITY 3 LONG TERM CARE 4 HOMELESS 5 UNKNOWN
124-125	2	210;6	671	184;8	97	AMBULATION DEVICE PREOP	1 AMBULATES W/OUT ASSISTIVE DEVICE 2 AMBULATES WITH CANE OR WALKER 3 USES MANUAL WHEELCHAIR INDEPENDENTLY 4 DOES NOT AMBULATE OR USE MANUAL WHEELCHAIR INDEPENDENTLY
126-127	2	210;8	673	184;10	101	HISTORY OF CANCER DIAGNOSIS	Y YES N NO
128-129	2	210;9	674	184;11	102	HX RAD RX PLANNED SURG FIELD	Y YES N NO
130-131	2	210;12	677	184;12	119	PRIOR SURG SAME OP FIELD	0 NO PREVIOUS SURGERIES 1 1 PREVIOUS SURGERY 2 2 PREVIOUS SURGERIES 3 3 PREVIOUS SURGERIES 4 4 PREVIOUS SURGERIES 5 5 PREVIOUS SURGERIES 6 >5 PREVIOUS SURGERIES



Line 2 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
132-133	2	207;29	423	184;9	100	CONGESTIVE HEART FAILURE PREOP	0	N CARD DX, CHF, OR SX 1 Y CARD DX/CHF, N SX 2 Y CARD DX/CHF, Y MILD SX 3 Y CARD DX/CHF, Y MARKED SX 4 Y CARD DX/CHF, Y SX AT REST 5 N CARD DX/CHF, SX UNKNOWN 6 Y CARD DX/CHF, SX U
134	1	.1;21	661	184;2	90	PALLIATION	Y	YES N NO
135-136	2	210;14	685	182;32	705	DISCHARGE DISPOSITION	1	HOME 2 ACUTE CARE FACILITY TRANSFER (VA OR NON 3 EXTENDED CARE FACILITY (NON- REHAB) 4 REHABILITATION CENTER 5 SHELTER/ TRANSITIONAL HOUSING 6 PATIENT DEATH 7 OTHER

### Line 3 of the Non-Cardiac Transmission Layout

Line 3 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
15-26	12	.2;2	.22	0;13	75	DATE/TIME OPERATION BEGAN		
27-38	12	.2;3	.23	0;21	182	DATE/TIME OPERATION ENDED		

39-40	2	.1;10	.166	1;16 13.1	ATTENDING CODE	1 OLD0 - 0. STAFF ALONE 2 OLD1 - 1. ATTENDING IN O.R. 3 OLD2 - 2. ATTENDING IN O.R. SUITE 4 OLD3 - 3. ATTENDING NOT PRESENT, BUT AVAILABLE 5 LEVEL 0. ATTENDING DOING THE OPERATION 6 LEVEL 1. ATTENDING IN O.R. ASSISTING THE RESIDENT 7 LEVEL 2. ATTENDING IN O.R., NOT SCRUBBED 8 LEVEL 3. ATTENDING NOT PRESENT IN O.R. SUITE, IMMEDIATELY AVAILABLE 9 LEVEL A: ATTENDING DOING THE OPERATION 10 LEVEL B: ATTENDING IN O.R., SCRUBBED 11 LEVEL C: ATTENDING IN O.R., NOT SCRUBBED 12 LEVEL D: ATTENDING IN O.R. SUITE, IMMEDIATELY AVAILABLE 13 LEVEL E: EMERGENCY CARE, ATTENDING CONTACTED ASAP 14 LEVEL F: NON-OR PROCEDURE DONE IN OR, ATTENDING IDENTIFIED 99 NOT ENTERED
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Line 3 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
41-42	2	200.1;4	443	4;7	431	INTRAOPERATIVE DISSEMINATED CANCER	Y	YES
							N	NO
							NS	NO STUDY
43-44	2	200;54	340	2;23	217	RBC UNITS TRANSFUSED		
45-52	8	0;3(136)	.03(136)	0;20	99	POSTOPERATIVE DIAGNOSIS CODE (ICD)		
53-56	4	205;1	247	6;4	98	LENGTH OF POST-OP STAY		Value or NA for Not Applicable
57-62	6					- blank -		
63	1	205;4	262	7;15	117	RETURN TO OR WITHIN 30 DAYS	Y	YES
							N	NO
							S	NO STUDY
64	1	.4;7	903	0;23	308	DEATH UNRELATED/RELATED	Y	YES
							N	NO
65	1	0;12	.011	0;24	318	HOSPITAL ADMISSION STATUS	1	SAME DAY
							2	ADMISSION
							3	HOSPITALIZED
66	1	0;3	.03	0;25	319	MAJOR/MINOR	J	MAJOR
							N	MINOR
67	1	0;26	.013	184;3	91	PLANNED ADMISSION STATUS	1	SAME DAY
							2	ADMITTED
							3	HOSPITALIZED
68	1			0;27	14	ADMIT WI 14 DAYS OF AN OCCURRENCE		
69-70	2			20;1	380	1 NUMBER OF SUPERFICIAL INCISIONAL SSI		
71-72	2			20;2	381	2 NUMBER OF DEEP INCISIONAL SSI		
73-74	2			20;4	382	3 NUMBER OF SYSTEMIC SEPSIS		
75-76	2			20;4	383	4 NUMBER OF PNEUMONIA		
77-78	2			20;5	384	5 NUMBER OF PULMONARY EMBOLISM		

Line 3 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes Code Stands for
		Global	Field	Global	Field		
79-80	2			20;6	385	6 NUMBER OF ON VENTILATOR > 48 HOURS	
81-82	2			20;7	386	7 NUMBER OF UNPLANNED INTUBATION  **will not be used after SR*3*182	
83-84	2			20;8	387	8 NUMBER OF RENAL INSUFFICIENCY	
85-86	2			20;9	388	9 NUMBER OF ACUTE RENAL FAILURE	
87-88	2			20;10	389	10 NUMBER OF URINARY TRACT INFECTION  **will not be used after SR*3*182	
89-90	2			20;40	437	37 NUMBER OF REPEAT VENT SUPPORT	
91-92	2			20;12	391	12 NUMBER OF STROKE/CVA	
93-94	2			20;13	392	13 NUMBER OF COMA > 24 HOURS	
95-96	2			20;14	393	14 NUMBER OF PERIPHERAL NERVE INJURY	
97-98	2			20;15	394	15 NUMBER OF BLEEDING/TRANSFUSIONS	
99-100	2			20;16	395	16 NUMBER OF CARDIAC ARREST REQUIRING CPR	
101-102	2			20;17	396	17 NUMBER OF MYOCARDIAL INFARCTION	
103-104	2			20;18	397	18 NUMBER OF ILEUS/BOWEL OBSTRUCTION	
105-106	2			20;19	398	19 NUMBER OF GRAFT/PROSTHESIS/FLAP FAILURE	
107-108	2			20;20	399	20 NUMBER OF DVT/THROMBOPHLEBITIS	
109-110	2			20;21	400	21 NUMBER OF OTHER OCCURRENCE	

Line 3 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes Code Stands for
		Global	Field	Global	Field		
111-112	2			20;22	401	22 NUMBER OF WOUND DISRUPTION	
113-114	2			20;23	402	23 NUMBER OF ENDOCARDITIS	
115-116	2			20;24	403	24 NUMBER OF LOW CARDIAC OUTPUT > 6 HOURS	
117-118	2			20;25	404	25 NUMBER OF MEDIASITINIS	
119-120	2			20;26	405	26 NUMBER OF REOPERATION FOR BLEEDING	
121-122	2			20;27	406	27 NUMBER OF REPEAT CARDIOPULMONARY BYPASS	
123-124	2			20;28	407	28 NUMBER OF STROKE <i>(Obsolete)</i>	
125-126	2			20;29	408	29 NUMBER OF OTHER RESPIRATORY OCCURRENCE	
127-128	2			20;30	409	30 NUMBER OF OTHER CNS OCCURRENCE	
129-130	2			20;31	410	31 NUMBER OF OTHER URINARY TRACT OCCURRENCE  **will not be used after SR*3*182	
131-132	2			20;32	411	32 NUMBER OF OTHER CARDIAC OCCURRENCE	
133	1			20;33	412	OCCURRENCE TYPES ("I" for Intraoperative, "P" for Postoperative, "B" for Both, or blank for none)	I INTRAOPERATIVE P POSTOPERATIVE B BOTH INTRA AND POST
134-135	2			20;37	423	35 NUMBER OF ORGAN/SPACE SSI	
136-137	2			20;38	424	36 NUMBER OF OTHER WOUND OCCURRENCE	
138-144	7	VADM(3)		0;26	436	DATE OF BIRTH	

Line 3 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes Code Stands for
		Global	Field	Global	Field		
145-146	2			20;42	442	38 NUMBER OF C. DIFFICILE COLITIS	
147-148	2			20;43	447	39 NUMBER OF POSTOP ATRIAL FIBRILLATION	
149-150	2			182;13	467	40 NUMBER OF SYMPTOMATIC UTI- CULTURE PLUS SIGN/SYMPATOM	
151-152	2			182;14	468	41 NUMBER OF MECHANICAL VENTILATION WITHIN 30 DAYS  **will not be used after SR*3*184	
153-154	2			20;44	641	42 NUM OUT-OF-OR UNPLANNED INTUB	

#### Line 4 of the Non-Cardiac Transmission Layout

Line 4 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes Code Stands for
		Global	Field	Global	Field		
15-16	2					# OF RELATED RETURNS (not downloaded)	
17-21	5	29,0	130.43,3	16,0;1	139.0294,.01	CPT CODE 1 – RELATED RETURN TO OR (FROM FILE 136)	
22-26	5			16,0;1	139.0294,.01	CPT CODE 2 – RELATED RETURN TO OR (FROM FILE 136)	
27-31	5			16,0;1	139.0294,.01	CPT CODE 3 – RELATED RETURN TO OR (FROM FILE 136)	
32-36	5			16,0;1	139.0294,.01	CPT CODE 4 – RELATED RETURN TO OR (FROM FILE 136)	
37-41	5			16,0;1	139.0294,.01	CPT CODE 5 – RELATED RETURN TO OR (FROM FILE 136)	
42-46	5			16,0;1	139.0294,.01	CPT CODE 6 – RELATED RETURN TO OR (FROM FILE 136)	

Line 4 Position	Length	File 130 Global Field	File 139 Global Field	Field Name	Set of Codes or Other Notes Code Stands for
47-48	2			# OF UNRELATED RETURNS (not downloaded)	
49-53	5		17,0;1 139.0295,.01	CPT CODE 1 – UNRELATED RETURN TO OR (FROM FILE 136)	
54-58	5		17,0;1 139.0295,.01	CPT CODE 2 – UNRELATED RETURN TO OR (FROM FILE 136)	
59-63	5		17,0;1 139.0295,.01	CPT CODE 3 – UNRELATED RETURN TO OR (FROM FILE 136)	
64-68	5		17,0;1 139.0295,.01	CPT CODE 4 – UNRELATED RETURN TO OR (FROM FILE 136)	
69-73	5		17,0;1 139.0295,.01	CPT CODE 5 – UNRELATED RETURN TO OR (FROM FILE 136)	
74-78	5		17,0;1 139.0295,.01	CPT CODE 6 – UNRELATED RETURN TO OR (FROM FILE 136)	
79-85	7		18;1 340	SUPERFICIAL INCISIONAL SSI 1-7 SROC(1)	OCCURRENCE DATE
86-92	7		18;2 341	DEEP INCISIONAL SSI 8-14 SROC(2)	OCCURRENCE DATE
93-99	7		18;3 342	SYSTEMIC SEPSIS 15-21 SROC(3)	OCCURRENCE DATE
100-106	7		18;4 343	PNEUMONIA 22- 28 SROC(4)	OCCURRENCE DATE
107-113	7		18;5 344	PULMONARY EMBOLISM 29-35 SROC(5)	OCCURRENCE DATE
114-120	7		18;6 345	ON VENTILATOR>48 HOURS 36-42 SROC(6)	OCCURRENCE DATE
121-127	7		18;7 346	UNPLANNED EDEMA 43-49 SROC(7)  **will not be used after SR*3*182	OCCURRENCE DATE
128-134	7		18;8 347	RENAL INSUFFICIENCY 50-56 SROC(8)	OCCURRENCE DATE

Line 4 Position	Length	File 130 Global Field	File 139 Global Field	Field Name	Set of Codes or Other Notes Code Stands for
135-141	7		18;9 348	ACUTE RENAL FAILURE 57-63 SROC(9)	OCCURRENCE DATE
142-148	7		18;10 349	URINARY TRACT INFECTION 64-70 SROC(10)  **will not be used after SR*3*182	OCCURRENCE DATE
149-155	7		18;11 350	PULMONARY EDEMA 71-77 SROC(11)	OCCURRENCE DATE
156-162	7		18;12 351	STROKE/CVA 78-84 SROC(12)	OCCURRENCE DATE
163-169	7		18;13 352	COMA>24 HOURS 85-91 SROC(13)	OCCURRENCE DATE
170-176	7		18;14 353	PERIPHERAL NERVE INJURY 92-98 SROC(14)	OCCURRENCE DATE
177-183	7		18;15 354	BLEEDING/TRANSFUSIONS 99-105 SROC(15)	OCCURRENCE DATE
184-190	7		18;16 355	CARDIAC ARREST REQUIRING  CPR 106- 112 SROC(16)	OCCURRENCE DATE

### Line 5 of the Non-Cardiac Transmission Layout

Line 5 Position	Length	File 130 Global Field	File 139 Global Field	Field Name	Set of Codes or Other Notes Code Stands for
15	1	205;6 248	7;1 103	SUPERFICIAL INCISIONAL SSI - 1	Y YES N NO
16	1	205;7 249	7;2 104	DEEP INCISIONAL SSI - 2	Y YES N NO
17	1	205;8 404	7;30 299	WOUND DEHISCENCE - 22	Y YES N NO
18	1	205;10 251	7;4 106	PNEUMONIA - 4	Y YES N NO



Line 5 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
19	1	205;11	412	7;34	296	UNPLANNED INTUBATION (Y/N) - 7  **Will not to be used after SR*3*182	Y N	YES NO
20	1	205;12	252	7;5	107	PULMONARY EMBOLISM - 5	Y N	YES NO
21	1	205;13	285	7;24	150	ON VENTILATOR > 48 HOURS - 6	Y N	YES NO
22-29	8	205;14	253	7;6	108	OTHER RESPIRATORY OCCURRENCE - 29	ICD Code	
30	1	205;16	409	7;19	131	RENAL INSUFFICIENCY - 8	Y N	YES NO
31	1	205;17	254	7;7	109	ACUTE RENAL FAILURE - 9	Y N	YES NO
32	1	205;18	255	7;8	110	URINARY TRACT INFECTION - 10  **Will not to be used after SR*3*182	Y N	YES NO
33-40	8	205;19	286	7;25	151	OTHER URINARY TRACT OCCURREN - 31	ICD Code	
41	1	16;8	130.22,9	7;9	111	STROKE/CVA - 12	Y N 1 2 3 4	YES NO NO SYMPTOMS <24 HOURS 24-72 HOURS >72 HOURS
42	1	205;22	410	7;21	133	COMA > 24 HOURS POSTOP - 13	Y N	YES NO
43	1	205;23	287	7;26	152	PERIPHERAL NERVE INJURY - 14	Y N	YES NO
44-51	8	205;24	343	7;29	221	OTHER CNS OCCURRENCE - 30	ICD Code	

Line 5 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
52	1	205;26	411	7;23	135	CARDIAC ARREST REQ CPR - 16	Y N	YES NO
53	1	205;27	258	7;11	113	POSTOP MYOCARDIAL INFARCTION - 17	Y N	YES NO
54	1	205;28	259	7;12	114	PULMONARY EDEMA - 11	Y N	YES NO
55-62	8	205;29	344	7;31	223	OTHER CARDIAC OCCURRENCE - 32	ICD Code	
63	1	205;31	345	7;32	224	ILEUS/BOWEL OBSTRUCTION - 18	Y N	YES NO
64	1	205;32	257	7;10	112	POSTOP BLEEDING/TRANSFUSIONS - 15	Y N	YES NO
65	1	205;33	261	7;14	116	GRAFT/PROSTHESIS FAILURE - 19	Y N	YES NO
66	1	205;34	263	7;16	118	DVT/THROMBOPHLEBITIS - 20	Y N	YES NO
67	1	205;35	250	7;3	105	SYSTEMIC SEPSIS - 3	Y N	YES NO
68-75	8	205;36	392	7;33	279	OTHER OCCURRENCES (ICD9) - 21	ICD Code	
76-82	7			18;17	356	MYOCARDIAL INFARCTION 113-119 SROC(17)	OCCURRENCE DATE	
83-89	7			18;18	357	ILEUS/BOWEL OBSTRUCTION 120- 126 SROC(18)	OCCURRENCE DATE	
90-96	7			18;19	358	GRAFT/PROSTHESIS/FLAP FAILURE 127-133 SROC(19)	OCCURRENCE DATE	
97-103	7			18;20	359	DVT/THROMBOPHLEBITIS 134-140 SROC(20)	OCCURRENCE DATE	
104-110	7			18;21	360	OTHER OCCURRENCE 141-147 SROC(21)	OCCURRENCE DATE	
111-117	7			18;22	361	WOUND DISRUPTION 148-154 SROC(22)	OCCURRENCE DATE	

Line 5 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
118-124	7			18;23	362	OTHER RESPIRATORY OCCURRENCE 155-161 SROC(29)	OCCURRENCE DATE	
125-131	7			18;24	363	OTHER CNS OCCURRENCE 162-168 SROC(30)	OCCURRENCE DATE	
132-138	7			18;25	364	OTHER URINARY TRACT OCCURRENCE 169-175 SROC(31)	OCCURRENCE DATE	
139-145	7			18;26	365	OTHER CARDIAC OCCURRENCE 176-182 SROC(32)	OCCURRENCE DATE	
146-152	7			19;7	426	ORGAN/SPACE SSI (DATE) 183-189 SROC(35)	OCCURRENCE DATE	
153-159	7			19;9	428	OTHER WOUND OCCURRENCE – DATE 190-196 SROC(36)	OCCURRENCE DATE	
160	1	205;37	488	20;39	425	ORGAN/SPACE SSI (Y/N)	Y	YES
							N	NO
161-168	8	205;38	489	19;8	427	OTHER WOUND OCCURRENCE - ICD	ICD Code	
169	1			19;10	429	POSTOP SEPSIS TYPE 204	2	SEPSIS
							3	SEPTIC SHOCK
170	1	205;39	447	20;41	440	C. DIFFICILE COLITIS (Y/N)	Y	YES
							N	NO
171-177	7			19;11	441	C. DIFFICILE COLITIS – DATE 197-203 SROC(38)	OCCURRENCE DATE	
178	1	205;42	644	182;17	471	SYMPTOMATIC UTI – 40	Y	YES
							N	NO
179	1	205;43	645	182;18	472	MECHANICAL VENTILATION WITHIN 30 DAYS – 41  **will not be used after SR*3*184	Y	YES
							N	NO

Line 5 Position	Length	File 130 Global Field	File 139 Global Field	Field Name	Set of Codes or Other Notes Code Stands for
180-186	7		182;15 469	SYMPTOMATIC UTI- CULTURE PLUS SIGN/SYMPTOM  206- 212 SROC(40)	OCCURRENCE DATE
187-193	7		182;16 470	MECHANICAL VENTILATION WITHIN 30 DAYS  213- 219 SROC(41)  **will not be used after SR*3*184	OCCURRENCE DATE
194	1	0;9 130.22,10	19;13 473	INDWELLING URETHRAL CATHETER	'1' YES, 1 YES, IN PLACE 2 YES, REMOVED 3 NO, IN PLACE 4 NO, REMOVED 5 NO CATHETER
195	1	0;10 130.22,11	19;14 474	UTI SIGN/SYMPTOMS URG/FREQ/DYS	Y - HAS URGENCY, FREQUENCY, OR DYSURIA WITH NO OTHER RECOGNIZED CAUSE  N - DOES NOT HAVE URGENCY, FREQUENCY OR DYSURIA
196	1	0;11 130.22,12	19;15 475	UTI SIGNS/SYMPTOMS FEVER	Y - FEVER > 38C AT THE TIME OF CULTURE OR ONSET OF SYMPTOMS  N - NO FEVER > 38C AT THE TIME OF CULTURE OR ONSET OF SIGNS OR SYMPTOMS
197	1	0;12 130.22,13	19;16 476	UTI SIGNS/SYMPTOMS TENDERNESS	Y - SUPRAPUBIC, COSTOVERTEBRAL ANGLE PAIN  N - NO SUPRAPUBIC TENDERNESS, COSTOVERTEBRA L ANGLE PAIN

Line 5 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
198	1	0;13	130.22,14	19;17	477	UTI CULTURE	1 - POS CULTURE >10E5, 1-2 SPECIES  2 - POS CULTURE 10E3-10E5, 1-2 SPECIES DIPSTICK(+), PYURIA, OR GRAM (+)	
199	1	205;44	422	184;31	622	OUT-OF-OR UNPLANNED INTUBATION - 42	Y YES N NO	
200-206	7			184;32	623	OUT-OF-OR UNPLANNED INTUB/DATE  226,232 SROC(42)	OCCURRENCE DATE	

#### Line 6 of the Non-Cardiac Transmission Layout

Line 6 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
15-19	5	201;1	270	8;1	128	PREOPERATIVE SERUM SODIUM		
20-26	7	202;1	304	13;20	171	PREOP SERUM SODIUM, DATE		
27-30	4	201;8	225	8;10	56	PREOPERATIVE SERUM ALBUMIN		
31-37	7	202;8	292	13;8	159	PREOP SERUM ALBUMIN, DATE		
38-42	5	201;9	228	8;13	59	PREOPERATIVE TOTAL BILIRUBIN		
43-49	7	202;9	295	13;11	162	PREOP TOTAL BILIRUBIN, DATE		
50-54	5	201;5	224	8;9	55	PREOPERATIVE BUN		
55-61	7	202;5	291	13;7	158	PREOPERATIVE BUN, DATE		
62-65	4	201;4	223	8;8	54	PREOPERATIVE SERUM CREATININE		
66-72	7	202;4	290	13;6	157	PREOP SERUM CREATININE, DATE		

Line 6 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
73-77	5	201;27	487	9;6	66	PREOPERATIVE INR		
78-84	7	202;27	487.1	14;15	67	PREOPERATIVE INR, DATE		
85-89	5	203;15	444	8;2	432	PREOPERATIVE ANION GAP (2006 update)		
90-96	7	204;15	444.1	13;1	433	PREOPERATIVE ANION GAP, DATE (2006 update)		

### Line 7 of the Non-Cardiac Transmission Layout

Line 7 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
15-26	12	208;14	418	8;1	320	HOSPITAL ADMISSION DATE		SRVADPT(7)
27-28	2					- blank -		
29-30	2	208;11	413	8;10	322	TRANSFER STATUS	1 NOT TRANSFERRED 2 NON-VAMC ACUTE CARE HOSPITAL 3 VAMC ACUTE CARE HOSPITAL 4 NON-VA NURSING/CHRONIC CARE/SCI/INTERMEDIA TE CARE FACILITY 5 VA NURSING HOME/CHRONIC CARE/SCI/INTERMEDIA TE CARE FACILITY 6 OTHER	
31-32	2	208;10	292	13;8	323	RACE		
33-36	4	208;9	228	8;13	59	- blank - (PACK/YEARS removed in 2008 update)		
37-48	12	208;15	295	13;11	325	HOSPITAL DISCHARGE DATE		SRVADPT(8)

Line 7 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
49-52	4					- blank -		
53-54	2	206;3	291	13;7	329	CHEMOTHERAPY <= 30 DAYS	Y YES N NO NS NO STUDY	
55-56	2	206;4	223	8;8	330	RADIOTHERAPY <= 90 DAYS	Y YES N NO NS NO STUDY	
57-58	2	206;8	290	206;8	331	PREOPERATIVE SEPSIS	N NONE 2 SEPSIS 3 SEPTIC SHOCK	
59-60	2					- blank -		
61-72	12	208;16	420	32;2	321	TRANSFER DATE	SRVADPT(9)	
73-84	12	208;17	421	32;5	324	SURGERY DISCHARGE DATE	SRVADPT(10)	
85-96	12	.2;12	.232	32;10	334	TIME PATIENT LEAVES OR		
97-108	12	.2;1	.21	32;11	335	ANESTHESIA CARE START TIME		
109-120	12	1.1;8	1.18	32;12	336	PACU DISCHARGE TIME		
121-132	12	208.1;1	452	32;13	337	OBSERVATION ADMISSION DATE	SRVADPT(12)	
133-144	12	208.1;2	453	32;14	338	OBSERVATION DISCHARGE DATE	SRVADPT(13)	
145-147	3	208.1;3	454	32;15	339	OBSERVATION TREATING SPECIALTY	SRVADPT(14)	
148-157	10	CON;1	35	CON;5	15	CONCURRENT CASE		
158-169	12	.2;4	.24	32;16	335.5	ANESTHESIA CARE END TIME		

**Line 8 of the Non-Cardiac Transmission Layout**

Line 8 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
15-19	5	201;11	227	8;12	58	PREOPERATIVE SGOT		
20-26	7	202;11	294	13;10	161	SGOT, DATE PERFORMED		
27-31	5	201;12	229	8;14	60	PREOPERATIVE ALK PHOSPHATASE		
32-38	7	202;12	296	13;12	163	PREOP ALK PHOSPHATASE, DATE		
39-42	4	201;13	230	9;1	61	PREOPERATIVE WBC		
43-49	7	202;13	297	13;13	164	PREOPERATIVE WBC, DATE		
50-53	4	201;14	234	9;5	65	PREOPERATIVE HEMATOCRIT		
54-60	7	202;14	301	13;17	168	PREOP HEMATOCRIT, DATE		
61-65	5	201;15	231	9;2	62	PREOPERATIVE PLATELET COUNT		
66-72	7	202;15	298	13;14	165	PREOP PLATELET COUNT, DATE		
73-78	6	201;28	504	8;3	438	HEMOGLOBIN A1C		
79-85	7	202.1;1	504.1	13;2	439	HEMOGLOBIN A1C, DATE		

**Line 9 of the Non-Cardiac Transmission Layout**

Line 9 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
15-19	5	201;16	233	9;4	64	PREOPERATIVE PTT		
20-26	7	202;16	300	13;16	167	PREOPERATIVE PTT, DATE		
27-30	4	201;17	232	9;3	63	PREOPERATIVE PT		
31-37	7	202;17	299	13;15	166	PREOPERATIVE PT, DATE		
38-42	5	203;1	274	12;1	139	HIGHEST SERUM SODIUM		
43-49	7	204;1	305	14;1	172	HIGH SERUM SODIUM, DATE		



Line 9 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
50-54	5	203;2	405	12;11	301	LOW SERUM SODIUM		
55-61	7	204;2	407	14;11	303	LOW SODIUM, DATE		
62-66	5	203;16	445	12;15	434	HIGHEST ANION GAP (2006 update)		
67-73	7	204;16	445.1	14;16	435	HIGH ANION GAP, DATE (2006 update)		

### Line 10 of the Non-Cardiac Transmission Layout

Line 10 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
15-17	3	203;3	275	12;2	140	HIGHEST POTASSIUM		
18-24	7	204;3	306	14;2	173	HIGH POTASSIUM, DATE		
25-27	3	203;4	406	12;12	302	LOW POTASSIUM		
28-34	7	204;4	408	14;12	304	LOW POTASSIUM, DATE		
35-38	4	203;6	277	12;4	142	HIGHEST SERUM CREATININE		
39-45	7	204;6	308	14;4	175	HIGH SERUM CREATININE, DATE		
46-51	6	203;7	278	12;5	143	HIGHEST CPK		
52-58	7	204;7	309	14;5	176	HIGH CPK, DATE		
59-60	2	OP;3	2006	OP;4	2006	ROBOTIC ASSISTANCE (Y/N)	Y N	Yes No

### Line 11 of the Non-Cardiac Transmission Layout

Line 11 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
15-18	4	203;8	279	12;6	144	HIGHEST CPK-MB		
19-25	7	204;8	310	14;6	177	HIGH CPK-MB, DATE		

Line 11 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
26-30	5	203;9	280	12;7	145	HIGHEST TOTAL BILIRUBIN		
31-37	7	204;9	311	14;7	178	HIGH TOTAL BILIRUBIN, DATE		
38-41	4	203;10	281	12;8	146	HIGHEST WBC		
42-48	7	204;10	312	14;8	179	HIGHEST WBC, DATE		
49-52	4	203;12	283	12;10	148	LOWEST HEMATOCRIT		
53-59	7	204;12	314	14;10	181	LOW HEMATOCRIT, DATE		
60-64	5	203;13	455	12;13	414	HIGHEST SERUM TROPONIN I		
65-71	7	204;13	455.1	14;13	416	HIGHEST SERUM TROPONIN I, DATE		
72-76	5	203;14	456	12;14	415	HIGHEST SERUM TROPONIN T		
77-83	7	204;14	456.1	14;14	417	HIGHEST SERUM TROPONIN T, DATE		

### Line 12 of the Non-Cardiac Transmission Layout

Line 12 Position	Length	File 136/130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
15-19	5	0;2(136)	.02	0P;2	8	PRINCIPAL CPT CODE		
20-24	5	CON;1(130)	35	CON;2	95	CONCURRENT PROCEDURE CPT CODE		
25-29	5			CON;4	290	- blank -		
30-34	5	3;1	136.03,.01	11;2	139.017,1	OTHER PROCEDURE CPT CODE #1		
35-39	5	3;1	136.03,.01	11;2	139.017,1	OTHER PROCEDURE CPT CODE #2		
40-44	5	3;1	136.03,.01	11;2	139.017,1	OTHER PROCEDURE CPT CODE #3		
45-49	5	3;1	136.03,.01	11;2	139.017,1	OTHER PROCEDURE CPT CODE #4		

Line 12 Position	Length	File 136/130		File 139		Field Name	Set of Codes or Other Notes Code Stands for
		Global	Field	Global	Field		
50-54	5	3;1	136.03,.01	11;2	139.017,1	OTHER PROCEDURE CPT CODE #5	
55-59	5	3;1	136.03,.01	11;2	139.017,1	OTHER PROCEDURE CPT CODE #6	
60-64	5	3;1	136.03,.01	11;2	139.017,1	OTHER PROCEDURE CPT CODE #7	
65-69	5	3;1	136.03,.01	11;2	139.017,1	OTHER PROCEDURE CPT CODE #8	
70-74	5	3;1	136.03,.01	11;2	139.017,1	OTHER PROCEDURE CPT CODE #9	
75-79	5	3;1	136.03,.01	11;2	139.017,1	OTHER PROCEDURE CPT CODE #10	
		1;1	136.01,.01	OP;3	8.1	PRIN. PROCEDURE CPT MODIFIERS	
80-81	2					MODIFIER #1	
82-83	2					MODIFIER #2	
84-85	2					MODIFIER #3	
86-87	2					MODIFIER #4	
88-89	2					MODIFIER #5	
		1;1	136.01,.01	CON;6	95.1	CONCURRENT CASE CPT MODIFIERS	
90-91	2					MODIFIER #1	
92-93	2					MODIFIER #2	
94-95	2					MODIFIER #3	
96-97	2					MODIFIER #4	
98-99	2					MODIFIER #5	
		3,1;1	136.31,.01	11;3	139.017,2	OTHER PROCEDURE CPT MODIFIERS  For OTHER PROCEDURE CPT #1	
100-101	2					MODIFIER #1	
102-103	2					MODIFIER #2	
104-105	2					MODIFIER #3	

Line 12 Position	Length	File 136/130		File 139		Field Name	Set of Codes or Other Notes Code Stands for
		Global	Field	Global	Field		
106-107	2					MODIFIER #4	
108-109	2					MODIFIER #5	
		3,1;1	136.31,.01	11;3	139.017,2	OTHER PROCEDURE CPT MODIFIERS  For OTHER PROCEDURE CPT #2	
110-111	2					MODIFIER #1	
112-113	2					MODIFIER #2	
114-115	2					MODIFIER #3	
116-117	2					MODIFIER #4	
118-119	2					MODIFIER #5	
		3,1;1	136.31,.01	11;3	139.017,2	OTHER PROCEDURE CPT MODIFIERS  For OTHER PROCEDURE CPT #3	
120-121	2					MODIFIER #1	
122-123	2					MODIFIER #2	
124-125	2					MODIFIER #3	
126-127	2					MODIFIER #4	
128-129	2					MODIFIER #5	
		3,1;1	136.31,.01	11;3	139.017,2	OTHER PROCEDURE CPT MODIFIERS  For OTHER PROCEDURE CPT #4	
130-131	2					MODIFIER #1	
132-133	2					MODIFIER #2	
134-135	2					MODIFIER #3	
136-137	2					MODIFIER #4	
138-139	2					MODIFIER #5	

Line 12 Position	Length	File 136/130 Global Field	File 139 Global Field	Field Name	Set of Codes or Other Notes Code Stands for
		3,1;1 136.31,.01	11;3 139.017,2	OTHER PROCEDURE CPT MODIFIERS  For OTHER PROCEDURE CPT #5	
140-141	2			MODIFIER #1	
142-143	2			MODIFIER #2	
144-145	2			MODIFIER #3	
146-147	2			MODIFIER #4	
148-149	2			MODIFIER #5	
		3,1;1 136.31,.01	11;3 139.017,2	OTHER PROCEDURE CPT MODIFIERS  For OTHER PROCEDURE CPT #6	
150-151	2			MODIFIER #1	
152-153	2			MODIFIER #2	
154-155	2			MODIFIER #3	
156-157	2			MODIFIER #4	
158-159	2			MODIFIER #5	
		3,1;1 136.31,.01	11;3 139.017,2	OTHER PROCEDURE CPT MODIFIERS  For OTHER PROCEDURE CPT #7	
160-161	2			MODIFIER #1	
162-163	2			MODIFIER #2	
164-165	2			MODIFIER #3	
166-167	2			MODIFIER #4	
168-169	2			MODIFIER #5	
		3,1;1 136.31,.01	11;3 139.017,2	OTHER PROCEDURE CPT MODIFIERS  For OTHER PROCEDURE CPT #8	
170-171	2			MODIFIER #1	

Line 12 Position	Length	File 136/130 Global Field	File 139 Global Field	Field Name	Set of Codes or Other Notes Code Stands for
172-173	2			MODIFIER #2	
174-175	2			MODIFIER #3	
176-177	2			MODIFIER #4	
178-179	2			MODIFIER #5	
		3,1;1 136.31,.01	11;3 139.017,2	OTHER PROCEDURE CPT MODIFIERS For OTHER PROCEDURE CPT #9	
180-181	2			MODIFIER #1	
182-183	2			MODIFIER #2	
184-185	2			MODIFIER #3	
186-187	2			MODIFIER #4	
188-189	2			MODIFIER #5	
		3,1;1 136.31,.01	11;3 139.017,2	OTHER PROCEDURE CPT MODIFIERS For OTHER PROCEDURE CPT #10	
190-191	2			MODIFIER #1	
192-193	2			MODIFIER #2	
194-195	2			MODIFIER #3	
196-197	2			MODIFIER #4	
198-199	2			MODIFIER #5	

**Line 13 of the Non-Cardiac Transmission Layout**

Line 13 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
15	1	VADM(11		20;36	420	ETHNICITY	D	DECLINED TO ANSWER
							H	HISPANIC OR LATINO
							N	NOT HISPANIC OR LATINO
							U	UNKNOWN BY PATIENT
				21;2	139.0421,2	RACE CODES		
16	1					RACE CODE #1	3	AMERICAN INDIAN OR ALASKA NATIVE
							A	NATIVE HAWAIIAN OR OTHER PACIFIC ISLANDER
							9	BLACK OR AFRICAN AMERICAN
							8	ASIAN
							B	WHITE
							C	DECLINED TO ANSWER/UNANSWERED
							D	UNKNOWN BY PATIENT
17	1					RACE CODE #2	3	AMERICAN INDIAN OR ALASKA NATIVE
							A	NATIVE HAWAIIAN OR OTHER PACIFIC ISLANDER
							9	BLACK OR AFRICAN AMERICAN
							8	ASIAN
							B	WHITE
							C	DECLINED TO ANSWER/UNANSWERED
							D	UNKNOWN BY PATIENT

Line 13 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes
		Global	Field	Global	Field		Code Stands for
18	1					RACE CODE #3	3 AMERICAN INDIAN OR ALASKA NATIVE  A NATIVE HAWAIIAN OR OTHER PACIFIC ISLANDER  9 BLACK OR AFRICAN AMERICAN  8 ASIAN  B WHITE  C DECLINED TO ANSWER/UNANSWERED  D UNKNOWN BY PATIENT
19	1					RACE CODE #4	3 AMERICAN INDIAN OR ALASKA NATIVE  A NATIVE HAWAIIAN OR OTHER PACIFIC ISLANDER  9 BLACK OR AFRICAN AMERICAN  8 ASIAN  B WHITE  C DECLINED TO ANSWER/UNANSWERED  D UNKNOWN BY PATIENT
20	1					RACE CODE #5	3 AMERICAN INDIAN OR ALASKA NATIVE  A NATIVE HAWAIIAN OR OTHER PACIFIC ISLANDER  9 BLACK OR AFRICAN AMERICAN  8 ASIAN  B WHITE  C DECLINED TO ANSWER/UNANSWERED  D UNKNOWN BY PATIENT



Line 13 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes
		Global	Field	Global	Field		Code Stands for
21	1					RACE CODE #6	3 AMERICAN INDIAN OR ALASKA NATIVE  A NATIVE HAWAIIAN OR OTHER PACIFIC ISLANDER  9 BLACK OR AFRICAN AMERICAN  8 ASIAN  B WHITE  C DECLINED TO ANSWER/UNANSWERED  D UNKNOWN BY PATIENT
22	1					RACE CODE #7	3 AMERICAN INDIAN OR ALASKA NATIVE  A NATIVE HAWAIIAN OR OTHER PACIFIC ISLANDER  9 BLACK OR AFRICAN AMERICAN  8 ASIAN  B WHITE  C DECLINED TO ANSWER/UNANSWERED  D UNKNOWN BY PATIENT
23	1					RACE CODE #8	3 AMERICAN INDIAN OR ALASKA NATIVE  A NATIVE HAWAIIAN OR OTHER PACIFIC ISLANDER  9 BLACK OR AFRICAN AMERICAN  8 ASIAN  B WHITE  C DECLINED TO ANSWER/UNANSWERED  D UNKNOWN BY PATIENT

Line 13 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes
		Global	Field	Global	Field		Code Stands for
24	1					RACE CODE #9	3 AMERICAN INDIAN OR ALASKA NATIVE  A NATIVE HAWAIIAN OR OTHER PACIFIC ISLANDER  9 BLACK OR AFRICAN AMERICAN  8 ASIAN  B WHITE  C DECLINED TO ANSWER/UNANSWERED  D UNKNOWN BY PATIENT
25	1					RACE CODE #10	3 AMERICAN INDIAN OR ALASKA NATIVE  A NATIVE HAWAIIAN OR OTHER PACIFIC ISLANDER  9 BLACK OR AFRICAN AMERICAN  8 ASIAN  B WHITE  C DECLINED TO ANSWER/UNANSWERED  D UNKNOWN BY PATIENT
26-60	35	RA;9	272.1			ASSESSMENT COMPLETED BY	
61-72	12	.9;1	612	.9;1	612	ORIGINAL DESIRED PROCEDURE DATE	
73-84	12	.9;2	613	.9;2	613	D/T OF DESIRED PROCEDURE DATE ENTRY	
85-96	12	.9;3	614	.9;3	614	ORIGINAL SCHEDULED DATE	
97-108	12	.9;4	615	.9;4	615	D/T OF SCHEDULED DATE ENTRY	
109-120	12	.9;5	616	.9;5	616	DESIRED PROCEDURE DATE	
121-132	12	.9;6	617	.9;6	617	SCHEDULED DATE	

Line 13 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
133-134	2	VER;7	600	VER;7	600	CONFIRM PATIENT IDENTITY	Y N	YES NO
135-136	2	VER;8	601	VER;8	601	PROCEDURE TO BE PERFORMED	Y N	YES NO
137-138	2	VER;9	602	VER;9	602	SITE OF PROCEDURE	Y N	YES NO
139-140	2	VER;10	603	VER;10	603	VALID CONSENT FORM	1 2 3 4 5	YES, i-MED YES, PAPER YES, TELEPHONE NO, EMERGENCY NO, NOT EMERGENCY
141-142	2	VER;11	604	VER;11	604	CONFIRM PATIENT POSITION	Y N	YES NO
143-144	2	VER;12	605	VER;12	605	MARKED SITE CONFIRMED	Y N	YES NO
145-146	2	VER;13	606	VER;13	606	PREOPERATIVE IMAGES CONFIRMED	Y N NA	YES NO NOT APPLICABLE
147-148	2	VER;14	607	VER;14	607	CORRECT MEDICAL IMPLANTS	Y N NA	YES NO NOT APPLICABLE
149-150	2	VER;15	608	VER;15	608	ANTIBIOTIC PROPHYLAXIS	Y N NI	YES NO NOT INDICATED
151-152	2	VER;16	609	VER;16	609	APPROPRIATE DVT PROPHYLAXIS	Y N NI	YES NO NOT INDICATED

Line 13 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
153-154	2	VER;17	610	VER;17	610	BLOOD AVAILABILITY	Y	YES N NO NI NOT INDICATED
155-156	2	VER;18	611	VER;18	611	AVAILABILITY OF SPECIAL EQUIP	Y	YES N NO NA NOT APPLICABLE

### Line 14 of the Non-Cardiac Transmission Layout

Line 14 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
15-21	7	130.0647,	.01	184;15	134	ORGAN TO BE TRANSPLANTED	1	HEART, 2 LUNG, 3 KIDNEY 4 LIVER, 5 PANCREAS 6 INTESTINE, 7 OTHER
22-31	10	VER1;2	648	184;16	137	UNOS NUMBER	1-10	chars
32-33	2	VER1;3	649	184;17	154	DONOR SEROLOGY HCV	Y	YES N NO NA NOT APPLICABLE
34-35	2	VER1;4	650	184;18	186	DONOR SEROLOGY HBV	Y	YES N NO NA NOT APPLICABLE
36-37	2	VER1;5	651	184;19	199	DONOR SEROLOGY CMV	Y	YES N NO NA NOT APPLICABLE
38-39	2	VER1;6	652	184;20	205	DONOR SEROLOGY HIV	Y	YES N NO NA NOT APPLICABLE

Line 14 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes
		Global	Field	Global	Field		Code Stands for
40	1	VER1;7	653	184;21	214	DONOR ABO TYPE	1 A RH(+) 2 A RH(-) 3 B RH(+) 4 B RH(-) 5 AB RH(+) 6 AB RH(-) 7 O RH(+) 8 O RH(-)
41	1	VER1;8	654	184;22	215	RECIPIENT ABO TYPE	1 A RH(+) 2 A RH(-) 3 B RH(+) 4 B RH(-) 5 AB RH(+) 6 AB RH(-) 7 O RH(+) 8 O RH(-)
42	1	VER1;9	655	184;23	220	BLOOD BANK ABO VERIFICATION	Y YES N NO
43-54	12	VER1;19	747	182;31	640	D/T BLOOD BANK ABO VERIF	Date/time
55	1	VER1;10	656	184;24	222	OR ABO VERIFICATION	Y YES N NO
56-67	12	VER1;21	749	184;33	624	D/T OR ABO VERIF	Date/time
68	1	VER1;22	750	184;35	626	UNET VERIF BY SURGEON	Y YES N NO
69	1	VER1;12	658	184;36	627	ORGAN VER PRE- ANESTHESIA	Y YES N NO
70-71	2	VER1;24	752	182;21	630	DONOR ORG VER PRE-ANES	Y YES N NO NA NOT APPLICABLE
72-73	2	VER1;14	660	182;22	631	ORGAN VER PRE- TRANSPLANT	Y YES N NO NA NOT APPLICABLE

Line 14 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
74	1	VER1;15	663	184;29	233	DONOR VESSEL USAGE	Y YES N NO	
75-76	2	VER1;16	665	184;30	234	DONOR VESSEL DISPOSITION  **Updated with SR*3*205	N NO DONOR VESSELS RECEIVED D DISCARDED R RETURNED TO OPO S STORED NA NOT APPLICABLE	
77-106	30	VER1;11	657	184;34	625	SURGEON VERIFYING UNET	Name field	
107-136	30	VER1;23	751	184;37	628	SURGEON VER ORGAN PRE-ANES	Name field	
137-166	30	VER1;13	659	182;20	629	SURGEON VER DONOR ORG PRE- ANES	Name field	
167-196	30	VER1;25	753	182;23	632	SURGEON VER ORG PRE-TRANSPLANT	Name field	

### Line 15 of the Non-Cardiac Transmission Layout

Line 15 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
15-24	10	57;0	Multiple #130.0664	182;24	633	DONOR VESSEL UNOS ID – Entry #1	1-10 chars Free- Text	
25-34	10	57;0	Multiple #130.0664	182;25	634	DONOR VESSEL UNOS ID – Entry #2	1-10 chars Free- Text	
35-44	10	57;0	Multiple #130.0664	182;26	635	DONOR VESSEL UNOS ID – Entry #3	1-10 chars Free- Text	
45-54	10	57;0	Multiple #130.0664	182;27	636	DONOR VESSEL UNOS ID – Entry #4	1-10 chars Free- Text	

Line 15 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
55-64	10	57;0	Multiple #130.0664	182;28	637	DONOR VESSEL UNOS ID – Entry #5	1-10 chars Free- Text	
65-74	10	57;0	Multiple #130.0664	182;29	638	DONOR VESSEL UNOS ID – Entry #6	1-10 chars Free- Text	
75-84	10	57;0	Multiple #130.0664	182;30	639	DONOR VESSEL UNOS ID – Entry #7	1-10 chars Free-Text	
85-86	2	211;1	686	30;1	642	AORTIC REGURGITATION	Y YES N NO	
87-88	2	211;2	687	30;2	643	INJURY TO ADJACENT ORGAN	0 NO; 1 YES, WITH INTERVENTION 2 YES, WITH NO INTERVENTION REQ	
89-90	2	211;3	688	30;4	644	STOMA COMPLICATIONS	Y YES N NO	
91-92	2	211;4	689	30;3	645	NON-UNION	Y YES N NO	
93-94	2	211;5	690	30;5	646	IMPLANT INFECTIONS	Y YES N NO	
95-96	2	211;6	691	30;6	647	CHYLE/LYMPH LEAK	Y YES N NO	
97-98	2	211;7	692	30;7	648	ANASTOMOTIC LEAK	Y YES N NO	
99-100	2	211;8	693	30;8	649	FISTULA	Y YES N NO	
101-102	2	211;9	694	30;9	650	NECROTIZING SOFT TISS INFECT	Y YES N NO	

Line 15 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
103-104	2	211;10	695	30;10	651	OTHER BLOOD PRODUCT UNITS	0 NONE 1 PLATELETS 2 FRESH FROZEN PLASMA 3 PLASMA AND PLATELETS 4 ANY OTHER COMBINATION 5 ANY OTHER BLOOD PRODUCT	
105-106	2	211;11	696	30;11	652	PRESSORS USED INTRAOP	0 NO; 1 YES-BOLUS; 2 YES-CONTINUOUS INFUSION	
107-108	2	211;12	697	30;12	653	MITRAL STENOSIS	Y YES N NO	
109-110	2	211;13	698	30;13	654	PCI INTERVENTION	Y YES N NO	
111-112	2	211;14	699	30;14	655	ATRIAL ARRHYTHMIAS	Y YES N NO	
113-114	2	211;15	700	30;15	656	HEAD OR NECK CANCER	Y YES N NO	
115-116	2	211;16	701	30;16	657	MACULAR DEGENERATION	Y YES N NO	
117-118	2	211;17	702	30;17	658	GLAUCOMA	Y YES N NO	
119-120	2	211;19	704	30;18	659	HX RETINAL DETACHMENT	Y YES N NO	
121-122	2	211;20	705	30;19	660	AXIAL LEN/ANTERIOR CHAM DEP	Y YES N NO	
123-124	2	211;21	706	30;20	661	CORNEAL GUTTAE/FUCHS ENDO	Y YES N NO	
125-126	2	211;22	707	30;21	662	DIABETIC RETINOPATHY	Y YES N NO	



Line 15 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
127-128	2	211;23	708	30;22	663	COMPLEX CATARACT	Y YES N NO	
129-130	2	211;24	709	30;23	664	STATIN 30 DAYS PREOP	Y YES N NO	
131-132	2	211;25	710	30;24	665	IPSILAT CORTICAL EVENT PREOP	Y YES N NO	
133-134	2	211;26	711	30;25	666	PREOP MODIFIED RANKIN SCORE		
135-136	2	211;27	712	30;26	667	CAROTID SUR ANATOMIC HIGH RISK	Y YES N NO	
137-138	2	211;28	713	30;27	668	BYPASS CRITICAL LIMB ISCHEMIA	Y YES N NO	
139-144	6	64;0	714	30;28	669	INDIC DESC THOR ENDOGRAFT	1 ACUTE DISSECTION 2 CHRONIC DISSECTION 3 ANEURYSM 4 ATHEROSCLEROTIC OCCLUSIVE DISEASE 5 OTHER	
		Combine all entries in the multiple field						
145-146	2	211;30	715	30;29	670	ENDOLEAK AT COMPLETION	Y YES N NO	
147-151	5	211;31	716	30;30	671	HIGH HEART RATE 6HRS PREOP	Numeric (30-250)	
152-156	5	211;32	717	30;31	672	HIGH HEART RATE INTRAOP	Numeric (30-250)	
157-161	5	211;35	722	30;32	673	LOWEST PH INTRAOP	from 6.80 to 7.60 with 3 significant digits	
162-165	4	211;34	719	30;33	674	HIGH LACTIC ACID 6HRS PREOP	number between 0 and 30, 1 decimal	
166-169	4	211;39	727	30;34	675	LOWEST BICARBONATE INTRAOP	from 0 to 40 with on decimal	
170-172	3	211;33	718	30;35	676	LOW ARTERIAL PRESS 6HRS PREOP	between 0 and 200	

Line 15 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes Code Stands for
		Global	Field	Global	Field		
173-175	3	211;36	723	30;36	677	LOW ARTERIAL PRESS INTRAOP	between 0 and 200
176-178	3	211;40	728	30;37	678	UNITS TRANSFUSED 6HRS PREOP	from 0 to 100
179-180	2	211;37	724	30;38	679	OLIGURIA <60CC/2HRS 6HRS PREOP	Y YES N NO
181-182	2	211;38	725	30;39	680	OLIGURIA URINE OUTPUT INTRAOP	Y YES N NO
183-184	2	211;41	729	30;40	681	VASOPRESSOR USAGE AT OR ENTRY	Y YES N NO
185-186	2	211;42	730	30;41	682	CARDIAC ARREST 24HRS PREOP	Y YES N NO
187-188	2	211;43	731	30;42	683	DIC 6HRS PREOP	1 SCORE <5 2 SCORE > OR EQUAL 5
189-192	4	VERD;6	720	30;43	684	HIGH LACTIC ACID INTRAOP	number between 0 and 30, 1 decimal
193-197	5	VERD;7	721	30;44	685	LOWEST PH 6HRS PREOP	from 6.80 to 7.60 with 3 significant digits
198-201	4	VERD;8	726	30;45	686	LOWEST BICARBONATE 6HRS PREOP	from 0-40 with 1 decimal

### Line 16 of the Non-Cardiac Transmission Layout

Line 16 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes Code Stands for
		Global	Field	Global	Field		
15-16	2	210;2	666	30;46	687	LIVER DISEASE/CIRRHOSIS	Y YES N NO
17-18	2	210;3	668	30;47	688	IMMUNOCOMPROMISED STATE PREOP	Y YES N NO
19-20	2	210;4	669	30;48	689	PULMONARY HTN	Y YES N NO

Line 16 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes
		Global	Field	Global	Field		Code Stands for
21-22	2	210;7	672	30;49	690	NUTRITIONAL SUPPLEMENT PREOP	Y YES N NO
23-24	2	210;10	675	30;50	691	PRIOR INFEC/INFLAM SURG FIELD	Y YES N NO
25-26	2	210;11	676	31;1	692	HX DEEP VEIN THROMBOSIS	1 NEITHER DVT NOR PE 2 DVT WITHOUT PE 3 PE WITHOUT DVT 4 BOTH DVT AND PE
27-28	2	211;44	732	31;2	693	HYPOXEMIA W/IN 6HRS PREOP	1 NOT MEASURED 2 PAO2/FIO2 < 200 3 PAO2/FIO2 200- 249 4 PAO2/FIO2 250- 299 5 PAO2/FIO2 > 300
29-30	2	211;45	733	31;3	694	ENDOLEAK AT FOLLOW-UP	Y YES N NO
31-32	2	211;46	734	31;4	695	CARDIAC ARREST INTRAOP	Y YES N NO
33-34	2	211;47	735	31;5	696	FLOPPY IRIS INTRAOP	Y YES N NO
35-36	2	211;48	736	31;6	697	PREOP VISUAL ACUITY	1 20/20 OR BETTER 2 > 20/20 - 20/50 3 > 20/50 - 20/100 4 > 20/100 - 20/200 5 > 20/200 6 HAND MOTION 7 LIGHT PERCEPTION 8 NO LIGHT PERCEPTION

Line 16 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes
		Global	Field	Global	Field		Code Stands for
37-38	2	211;49	737	31;7	698	POSTOP VISUAL ACUITY	1 20/20 OR BETTER 2 > 20/20 - 20/50 3 > 20/50 - 20/100 4 > 20/100 - 20/200 5 > 20/200 6 HAND MOTION 7 LIGHT PERCEPTION 8 NO LIGHT PERCEPTION
39-40	2	211;50	738	31;8	699	ENDOPHTHALMITIS TYPE	0 NO ENDOPHTHALMITIS 1 BACTERIAL 2 TASS
41-42	2	211;51	739	31;9	700	CYSTOID MACULAR EDEMA	Y YES N NO
43-44	2	211;52	740	31;10	701	DISLOCATION OF OPERATIVE JOINT	Y YES N NO
45-46	2	211;53	741	31;11	702	PERIPROSTHETIC FRACTURES	Y YES N NO
47-58	12	211;54	742	184;13	130	D/T PAT ARRIVES HOSP DAY SURG	Date/Time
59-70	12	211;55	743	184;14	132	D/T PAT LEAVES HOSP DAY SURG	Date/Time
71-73	3	211;56	744	31;12	703	KIDNEY DONOR PROFILE INDEX	(0-100)
74-76	3	211;57	745	31;13	704	EXPECTED POST TRANSPLANT INDEX	(0-100)

**Line A1 of the Non-Cardiac Transmission Layout**

Line A1 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes
		Global	Field	Global	Field		Code Stands for
		VADM(1)		SRAPID;2	310	PATIENT NAME	

**Line A2 of the Non-Cardiac Transmission Layout**

Line A2 Position	Length	File 130 Global Field	File 139 Global Field	Field Name	Set of Codes or Other Notes Code Stands for
		VAPA(1)	SRAPID;3 311	PATIENT STREET ADDRESS1	

**Line A3 of the Non-Cardiac Transmission Layout**

Line A3 Position	Length	File 130 Global Field	File 139 Global Field	Field Name	Set of Codes or Other Notes Code Stands for
		VAPA(2)	SRAPID;4 312	PATIENT STREET ADDRESS2	

**Line A4 of the Non-Cardiac Transmission Layout**

Line A4 Position	Length	File 130 Global Field	File 139 Global Field	Field Name	Set of Codes or Other Notes Code Stands for
		VAPA(3)	SRAPID2;1 313	PATIENT STREET ADDRESS3	

**Line A5 of the Non-Cardiac Transmission Layout**

Line A5 Position	Length	File 130 Global Field	File 139 Global Field	Field Name	Set of Codes or Other Notes Code Stands for
		VAPA(4)	SRAPID2;2 314	CITY	

**Line A6 of the Non-Cardiac Transmission Layout**

Line A6 Position	Length	File 130 Global Field	File 139 Global Field	Field Name	Set of Codes or Other Notes Code Stands for
		VAPA(5)	SRAPID2;3 315	STATE	

### Line A7 of the Non-Cardiac Transmission Layout

Line A7 Position	Length	File 130 Global Field	File 139 Global Field	Field Name	Set of Codes or Other Notes Code Stands for
		VAPA(6)	SRAPID2;4 316	ZIP	

### Line A8 of the Non-Cardiac Transmission Layout

Line A8 Position	Length	File 130 Global Field	File 139 Global Field	Field Name	Set of Codes or Other Notes Code Stands for
		VAPA(8)	SRAPID2;4 317	PHONE	

## Appendix B: Cardiac Transmission Layout

The cardiac transmission layout was last updated in 2024 by SR\*3.0\*205 and SRA\*3.0\*9.

Each line begins with “{” in position 1, Station Number in positions 2-4, Assessment Number in positions 5-11, and Line Identifier in positions 12-14.

### Line 1 of the Cardiac Transmission Layout

Line 1 Position	Length	File 130 Global Field	Field Name	Set of Codes or Other Notes Code Stands for
15-21	7	RA;4 260	DATE TRANSMITTED	
22-24	3	OPDATE – DoB	AGE	
25	1	VADM(5)	SEX	M MALE F FEMALE
26-37	12	0;9 .09	DATE OF OPERATION	
38-58	21	VA(“PID”)	PATIENT ID	

Line 1 Position	Length	File 130		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
59-60	2	208;11	413	TRANSFER STATUS  Change added by SR*3*184	1	NOT TRANSFERRED
					2	NON-VAMC ACUTE CARE HOSPITAL
					3	VAMC ACUTE CARE HOSPITAL
					4	NON-VA NURSING/CHRONIC CARE/SCI/INTERMEDIATE CARE FACILITY
					5	VA NURSING HOME/CHRONIC CARE/SCI/INTERMEDIATE CARE FACILITY
					6	OTHER
61-62	2	OP;3	2006	ROBOTIC ASSISTANCE (Y/N)	Y	Yes
					N	No

### Line 2 of the Cardiac Transmission Layout

Line 2 Position	Length	File 130		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
15-17	3	206;1	236	HEIGHT		
18	1	206;1	236	HEIGHT UNITS (C)	"C"	or null
19-21	3	206;2	237	WEIGHT		
22	1	206;2	237	WEIGHT UNITS (K)	"K"	or null
23-24	2			(not used)		
25-26	2	200;11	203	COPD	Y	YES
					N	NO
27-29	3	206;5	347	FEV1		Value or NS for No Study
30-31	2	206;6	209	CARDIOMEGALY	Y	YES
					N	NO
32-33	2	206;7	348	PULMONARY RALES  ***Will not be used after SR*3*184	Y	YES
					N	NO

Line 2 Position	Length	File 130		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
34-35	2	200.1;5	510	CURRENT SMOKER **Not used after 2012 update	1	NEVER A SMOKER 2 WITHIN 2 WEEKS OF SURGERY 3 2 WEEKS TO 3 MONTHS PRIOR 4 >3 MONTHS PRIOR TO
36-39	4	201;4	223	SERUM CREATININE		
40-41	2	206;10	349	ACTIVE ENDOCARDITIS	Y	YES N NO
42-43	2	206;11	350	RESTING ST DEPRESSION  ***Will not be used after SR*3*184	Y	YES N NO
44-45	2	200;8	240	FUNCTIONAL STATUS  ***Will not be used after SR*3*184	1	INDEPENDENT 2 PARTIALLY DEPENDENT 3 TOTALLY DEPENDENT
46-47	2	200.1;2	492	PREOP FUNCT. HEALTH STATUS  Added by SR*3*184	1	INDEPENDENT 2 PARTIALLY DEPENDENT 3 TOTALLY DEPENDENT
48-49	2	206;14	205	PRIOR MI	0	NO 1 YES, < OR EQUAL 7 DAYS PREOP 2 YES, >7 DAYS AND <6 MONTHS PREOP 3 UNKNOWN 4 YES, >6 MONTHS PREOP 5 UNKNOWN
50-51	2			(not used)		
52-53	2	206;16	265	PERIPHERAL ARTERIAL DISEASE	1	NO 2 YES-W/O ANGI,REVASC,or AMPUT 3 YES-W HX ANGI,REVASC,or AMPUT
54-55	2	206;17	264	CEREBRAL VASCULAR DISEASE **Not used after 2012 update	Y	YES N NO



Line 2 Position	Length	File 130		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
56-58	3	206;18	267	ANGINA SEVERITY	N	NONE I CLASS I II CLASS II III CLASS III IV CLASS IV U UNKNOWN
59-61	3	206;19	207	CONGESTIVE HEART FAILURE  *** will not be used after SR*3*184	N	NONE I CARDIAC DISEASE, NO LIMITATION II SLIGHT LIMITATION III MARKED LIMITATION IV SYMPTOMS AT REST U UNKNOWN
62-63	2	206;20	353	CURRENT DIURETIC USE	Y	YES N NO
64-65	2	206;21	354	CURRENT DIGOXIN USE  ***Will not be used after SR*3*184	Y	YES N NO
66-67	2	206;22	355	IV NTG WITHIN 48 HOURS	Y	YES N NO
68-69	2	206;23	356	PREOPERATIVE USE OF IABP	Y	YES N NO
70-71	2	208;19	509	PREOPERATIVE ATRIAL FIBRILLATION	Y	YES N NO
72-73	2	205;8	404	WOUND DISRUPTION	Y	YES N NO
74-75	2	205;6	248	SUPERFICIAL INCISIONAL SSI	Y	YES N NO
76	1	200;59	643	ANGINA TIMEFRAME	1	NO ANGINA 14 DAY OF SURGERY 3 W/N 15-30 DAYS OF SURGERY 4 UNKNOWN

Line 2 Position	Length	File 130 Global Field	Field Name	Set of Codes or Other Notes Code Stands for
77-78	2	207;29 423	CONGESTIVE HEART FAILURE PREOP	0 N CARD DX, CHF, OR SX 1 Y CARD DX/CHF, N SX 2 Y CARD DX/CHF, Y MILD SX 3 Y CARD DX/CHF, Y MARKED SX 4 Y CARD DX/CHF, Y SX AT REST 5 N CARD DX/CHF, SX UNKNOWN 6 Y CARD DX/CHF, SX UNKNOWN
79	1	0;26 .013	PLANNED ADMISSION STATUS	1 SAME DAY 2 ADMITTED 3 HOSPITALIZED

### Line 3 of the Cardiac Transmission Layout

Line 3 Position	Length	File 130 Global Field	Field Name	Set of Codes or Other Notes Code Stands for
15-16	2	206;24 357	LVEDP	Value or NS for No Study
17-19	3	206;25 358	AORTIC SYSTOLIC PRESSURE	Value or NS for No Study
20-22	3	206;26 359	PA SYSTOLIC PRESSURE	Value or NS for No Study
23-25	3	206;27 360	PAW MEAN PRESSURE	Value or NS for No Study
26-28	3	206;28 361	LEFT MAIN STENOSIS	Value or NS for No Study
29-31	3	206;33 362.1	LAD STENOSIS	Value or NS for No Study
32-34	3	206;34 362.2	RIGHT CORONARY STENOSIS	Value or NS for No Study
35-37	3	206;35 362.3	CIRCUMFLEX STENOSIS	Value or NS for No Study
38-40	3	206;30 363	LV CONTRACTION SCORE	I > OR EQUAL 0.55 NORMAL II 0.45-0.54 MILD DYSFUNC. IIIa 0.40-0.44 MOD. DYSFUNC. A IIIb 0.35-0.39 MOD. DYSFUNC. B IV 0.25-0.34 SEVERE DYSFUNC. V <0.25 VERY SEVERE DYSFUNC. NS NO STUDY

Line 3 Position	Length	File 130		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
41-42	2	206;9	415	MITRAL REGURGITATION	0	NONE
					1	MILD
					2	MODERATE
					3	SEVERE
					NS	NO STUDY
43-45	3	206;31	364	ESTIMATE OF MORTALITY	Value or NS for No Study	
				***Will not be used after SR*3*184		
46-57	12	206;32	364.1	ESTIMATE OF MORTALITY DATE		
				Will not be used after SR*3*184		
58	1	1.1;3	1.13	ASA CLASSIFICATION	1	1-NO DISTURB.
					2	2-MILD DISTURB.
					3	3-SEVERE DISTURB.
					4	4-LIFE THREAT
					5	5-MORIBUND
					6	6-BRAIN-DEAD
59	1	208;12	414	SURGICAL PRIORITY	1	ELECTIVE
					2	URGENT
					3	EMERGENT (ONGOING ISCHEMIA)
					4	EMERGENT (HEMODYNAMIC COMPROMISE)
					5	EMERGENT (ARREST WITH CPR)
60-71	12	208;13	414.1	ESTIMATE OF SURG. PRIOR. DATE		
72-73	2	1.0;8	1.09	WOUND CLASSIFICATION	C	CLEAN
					CC	CLEAN/CONTAMINATED
					D	CONTAMINATED
					I	DIRTY/INFECTED

Line 3 Position	Length	File 130		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
74-75	2	210;14	685	DISCHARGE DISPOSITION	1	HOME 2 ACUTE CARE FACILITY TRANSFER (VA OR NON 3 EXTENDED CARE FACILITY (NON-REHAB) 4 REHABILITATION CENTER 5 SHELTER/TRANSITIONAL HOUSING 6 PATIENT DEATH 7 OTHER

#### Line 4 of the Cardiac Transmission Layout

Line 4 Position	Length	File 130		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
15-16	2	207;1	365	NUMBER WITH VEIN <i>**Will not be used after SR*3*182</i>		
17-18	2	207;2	366	NUMBER WITH IMA <i>**Will not be used after SR*3*182</i>		
19-20	2	207;3	367	AORTIC VALVE PROCEDURE <i>**Will not be used after SR*3*182</i>	N	NONE M MECHANICAL S STENTED BIOPROSTHETIC B STENTLESS BIOPROSTHETIC H HOMOGRAFT PR PRIMARY REPAIR PA PRIMARY REPAIR&ANNULO PLASTY DEVICE AN ANNULOPLASTY DEVICE ALOONE AU AUTOGRAFT (ROSS) O OTHER

Line 4 Position	Length	File 130 Global Field	Field Name	Set of Codes or Other Notes Code Stands for
21-22	2	207;4 368	MITRAL VALVE PROCEDURE  <i>**Will not be used after SR*3*182</i>	N NONE M MECHANICAL S STENTED BIOPROSTHETIC B STENTLESS BIOPROSTHETIC H HOMOGRAFT PR PRIMARY REPAIR PA PRIMARY REPAIR&ANNULO PLASTY DEVICE AN ANNULOPLASTY DEVICE ALOONE AU AUTOGRAFT (ROSS) O OTHER
23-24	2	207;5 369	TRICUSPID VALVE PROCEDURE  <i>**Will not be used after SR*3*182</i>	N NONE M MECHANICAL S STENTED BIOPROSTHETIC B STENTLESS BIOPROSTHETIC H HOMOGRAFT PR PRIMARY REPAIR PA PRIMARY REPAIR&ANNULO PLASTY DEVICE AN ANNULOPLASTY DEVICE ALOONE AU AUTOGRAFT (ROSS) O OTHER
25-26	2		(not used)	
27-28	2	207;7 371	LV ANEURYSMECTOMY  <i>**Will not be used after SR*3*182</i>	Y YES N NO
29-30	2	207;8 372	GREAT VESSEL REPAIR  <i>**Will not be used after SR*3*182</i>	Y YES N NO
31-32	2	207;9 373	CARDIAC TRANSPLANT  <i>**Will not be used after SR*3*182</i>	Y YES N NO
33-34	2	207;10 374	ELECTROPHYSIOLOGIC PROCEDURE	Y YES N NO

Line 4 Position	Length	File 130		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
35-36	2	207;12	376	ASD REPAIR <i>**Will not be used after SR*3*182</i>	Y N	YES NO
37-38	2	207;13	380	VSD REPAIR <i>**Will not be used after SR*3*182</i>	Y N	YES NO
39-40	2	207;14	377	MYXOMA RESECTION <i>**Will not be used after SR*3*182</i>	Y N	YES NO
41-42	2	207;15	381	FOREIGN BODY REMOVAL <i>**Will not be used after SR*3*182</i>	Y N	YES NO
43-44	2	207;16	378	MYECTOMY FOR IHSS <i>**Will not be used after SR*3*182</i>	Y N	YES NO
45-46	2	207;17	382	PERICARDIECTOMY <i>**Will not be used after SR*3*182</i>	Y N	YES NO
47-48	2	207;18	379	OTHER TUMOR RESECTION <i>**Will not be used after SR*3*182</i>	Y N	YES NO
49-50	2			(not used)		
51-52	2	205;41	342.1	30 DAY DEATH	Y N	YES NO
53-64	12	^DPT(DFN,.35)		DATE/TIME OF DEATH		
65	1	207;20	416	NUMBER WITH OTHER CONDUIT <i>**Will not be used after SR*3*182</i>		

Line 4 Position	Length	File 130 Global Field	Field Name	Set of Codes or Other Notes Code Stands for
66-67	2	207;28 493	PULMONARY VALVE PROCEDURE  <i>**Will not be used after SR*3*182</i>	N NONE M MECHANICAL S STENTED BIOPROSTHETIC B STENTLESS BIOPROSTHETIC H HOMOGRAFT PR PRIMARY REPAIR PA PRIMARY REPAIR&ANNULO PLASTY DEVICE AN ANNULOPLASTY DEVICE ALOONE AU AUTOGRAFT (ROSS) O OTHER
68	1	200.1;8 237.1	PREOPERATIVE SLEEP APNEA	1 NONE-LEVEL 1 2 SUSPICI OF SLEEP APNEA-LEVEL 2 3 SLEEP APNEA-LEVEL 3
69-71	3	.4;6 .46	OP DISPOSITION	O OUTPATIENT/DISCHARGE I ICU S STEPDOWN W WARD OBS OBSERVATION UNIT M MORGUE
72	1	200.1;15 667	Sleep Apnea-Compliance	1 NIGHTLY 2 > OR EQUAL 4 TIMES A WEEK 3 < 4 TIMES A WEEK 4 NOT DOCUMENTED
73-74	2	210;5 670	RESIDENCE 30 DAYS PREOP	1 HOME 2 ACUTE CARE FACILITY 3 LONG TERM CARE 4 HOMELESS 5 UNKNOWN
75-76	2	210;6 671	AMBULATION DEVICE PREOP	1 AMBULATES W/OUT ASSISTIVE DEVICE 2 AMBULATES WITH CANE OR WALKER 3 USES MANUAL WHEELCHAIR INDEPENDENTLY 4 DOES NOT AMBULATE OR USE MANUAL WHEELCHAIR INDEPENDENTLY

Line 4 Position	Length	File 130 Global Field	Field Name	Set of Codes or Other Notes Code Stands for
77-78	2	210;8 673	HISTORY OF CANCER DIAGNOSIS	Y YES N NO

### Line 5 of the Cardiac Transmission Layout

Line 5 Position	Length	File 130 Global Field	Field Name	Set of Codes or Other Notes Code Stands for
15-44	30	0;2 .02	OP ROOM PROCEDURE PERFORMED	(Name of OR)
45-46	2	52;1 619	IMMED USE-CONTAMINATION	(0 to 99)
47-48	2	52;2 620	IMMED USE-SPS/OR MAN ISSUE	(0 to 99)
49-50	2	52;3 621	IMMED USE-EMERGENCY CASE	(0 to 99)
51-52	2	52;4 622	IMMED USE-NO BETTER OPTION	(0 to 99)
53-54	2	52;5 623	IMMED USE-LOANER	(0 to 99)
55-56	2	52;6 624	IMMED USE - DECONTAMINATION	(0 to 99)
57-58	2	200;55 618	POSITIVE DRUG SCREENING	1 NOT DONE 2 NEGATIVE RESULT 3 POS NOT RX 4 POS RX
59-60	2	200.1;9 517	TOBACCO USE	1 NEVER USED TOBACCO 2 NO USE IN LAST 12 MOS 3 CIGARETTES ONLY 4 OTHER (NO CIGARETTES) 5 CIGARETTES PLUS OTHER
61-62	2	200.1;10 518	TOBACCO USE TIMEFRAME	1 WITHIN 2 WEEKS 2 2 WKS TO 3 MOS 3 3 TO 12 MONTHS NA NOT APPLICABLE
63-64	2	200.1;11 519	DIABETES MELLITUS CHRONIC	1 NO 2 DIET 3 ORAL 4 INSULIN



Line 5 Position	Length	File 130		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
65-66	2	200.1;12	520	DIABETES MELLITUS PREOP MGMT	1	NO
					2	DIET
					3	ORAL
					4	INSULIN
67-68	2	200.1;13	521	CVD REPAIR/OBSTRUCTION	0	NO CVD
					1	YES - NO SURGICAL REPAIR
					2	YES - PRIOR SURGICAL REPAIR
69-70	2	200.1;14	522	HISTORY OF CVD	0	NO CVD
					1	HISTORY OF TIA'S
					2	CVA/STROKE - NO NEURO DEFICIT
					3	CVA/STROKE W/ NEURO DEFICIT
71-72	2	210;9	674	HX RAD RX PLANNED SURG FIELD	Y	YES
					N	NO
73-74	2	210;12	677	PRIOR SURG SAME OP FIELD	0	NO PREVIOUS SURGERIES
					1	1 PREVIOUS SURGERY
					2	2 PREVIOUS SURGERIES
					3	3 PREVIOUS SURGERIES
					4	4 PREVIOUS SURGERIES
					5	5 PREVIOUS SURGERIES
					6	>5 PREVIOUS SURGERIES

### Line 6 of the Cardiac Transmission Layout

Line 6 Position	Length	File 130		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
15-16	2	205;27	258	MYOCARDIAL INFARCTION	Y	YES
					N	NO
17-18	2	208;3	386	ENDOCARDITIS	Y	YES
					N	NO
19-20	2	208;17	254	ACUTE RENAL FAILURE	Y	YES
					N	NO
21-22	2	208;4	387	LOW CARDIAC OUTPUT > 6 HOURS	Y	YES
					N	NO

Line 6 Position	Length	File 130		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
23-24	2	208;5	388	MEDIASTINITIS	Y N	YES NO
25-26	2	208;28	259	CONGESTIVE HEART FAILURE <i>**Category Inactivated**</i>	Y N	YES NO
27-28	2	208;6	389	REOPERATION FOR BLEEDING	Y N	YES NO
29-30	2	208;13	285	ON VENTILATOR>48 HOURS	Y N	YES NO
31-32	2	208;7 16,0;5	391 130.22,8	REPEAT CARDIAC SURGICAL PROCEDURE	0 1 2 N Y	None On-bypass Off-bypass NO YES
33-34	2	205;22	410	COMA>24 HOURS	Y N	YES NO
35-36	2	16;8	130.22,9	STROKE/CVA	1 2 3 4	NO SYMPTOMS <24 HOURS 24-72 HOURS >72 HOURS
37-38	2	205;26 10,0;2 16,0;2	411 130.13,3 130.22,5	CARDIAC ARREST REQUIRING CPR	I P N Y	INTRAOP POST-OP NO YES
39	1	VADM(11)		ETHNICITY	D H N U	DECLINED TO ANSWER HISPANIC OR LATINO NOT HISPANIC OR LATINO UNKNOWN BY PATIENT

Line 6 Position	Length	File 130		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
40	1	VADM(12)		RACE 1	3 AMERICAN INDIAN OR ALASKA NATIVE A NATIVE HAWAIIAN OR OTHER PACIFIC ISLANDER 9 BLACK OR AFRICAN AMERICAN 8 ASIAN B WHITE C DECLINED TO ANSWER/UNANSWERED D UNKNOWN BY PATIENT	
41	1	VADM(12)		RACE 2	3 AMERICAN INDIAN OR ALASKA NATIVE A NATIVE HAWAIIAN OR OTHER PACIFIC ISLANDER 9 BLACK OR AFRICAN AMERICAN 8 ASIAN B WHITE C DECLINED TO ANSWER/UNANSWERED D UNKNOWN BY PATIENT	
42	1	VADM(12)		RACE 3	3 AMERICAN INDIAN OR ALASKA NATIVE A NATIVE HAWAIIAN OR OTHER PACIFIC ISLANDER 9 BLACK OR AFRICAN AMERICAN 8 ASIAN B WHITE C DECLINED TO ANSWER/UNANSWERED D UNKNOWN BY PATIENT	
43	1	VADM(12)		RACE 4	3 AMERICAN INDIAN OR ALASKA NATIVE A NATIVE HAWAIIAN OR OTHER PACIFIC ISLANDER 9 BLACK OR AFRICAN AMERICAN 8 ASIAN B WHITE C DECLINED TO ANSWER/UNANSWERED D UNKNOWN BY PATIENT	

Line 6 Position	Length	File 130		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
44	1	VADM(12)		RACE 5	3 AMERICAN INDIAN OR ALASKA NATIVE A NATIVE HAWAIIAN OR OTHER PACIFIC ISLANDER 9 BLACK OR AFRICAN AMERICAN 8 ASIAN B WHITE C DECLINED TO ANSWER/UNANSWERED D UNKNOWN BY PATIENT	

### Line 7 of the Cardiac Transmission Layout

Line 7 Position	Length			Field Name	Set of Codes or Other Notes	
					Code	Stands for
15-79	65	VADM(1)		PATIENT NAME		

### Line 8 of the Cardiac Transmission Layout

Line 8 Position	Length	File 130		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
15-24	10	VAPA(11/6)		ZIP CODE		
25	1	208;18	442	EMPLOYMENT STATUS	1 EMPLOYED FULL TIME 2 EMPLOYED PART TIME 3 NOT EMPLOYED 4 SELF EMPLOYED 5 RETIRED 6 ACTIVE MILITARY DUTY 9 UNKNOWN	
26-32	7	201;20	219	HEMOGLOBIN		
33-39	7	202;20	239	HEMOGLOBIN DATE		
40-43	4	201;8	225	SERUM ALBUMIN	Value or NS for No Study	
44-50	7	202;8	292	SERUM ALBUMIN DATE		
51-57	7	202;4	290	SERUM CREATININE DATE		

Line 8 Position	Length	File 130		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
58-61	4	206;36	450	TOTAL ISCHEMIC TIME		
62	1			(not used)		
63-66	4	206;37	451	TOTAL CPB TIME		
67-68	2			(not used)		

### Line 9 of the Cardiac Transmission Layout

Line 9 Position	Length	File 136		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
15-19	5	0;2	.02	PRINCIPAL CPT CODE		
20-24	5	3;136.03	.01	OTHER PROCEDURE CPT CODE #1		
25-29	5	3;136.03	.01	OTHER PROCEDURE CPT CODE #2		
30-34	5	3;136.03	.01	OTHER PROCEDURE CPT CODE #3		
35-39	5	3;136.03	.01	OTHER PROCEDURE CPT CODE #4		
40-44	5	3;136.03	.01	OTHER PROCEDURE CPT CODE #5		
45-49	5	3;136.03	.01	OTHER PROCEDURE CPT CODE #6		
50-54	5	3;136.03	.01	OTHER PROCEDURE CPT CODE #7		
55-59	5	3;136.03	.01	OTHER PROCEDURE CPT CODE #8		
60-64	5	3;136.03	.01	OTHER PROCEDURE CPT CODE #9		
65-69	5	3;136.03	.01	OTHER PROCEDURE CPT CODE #10		

### Line 10 of the Cardiac Transmission Layout

Line 10 Position	Length	File 130		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
15-26	12	207;21	440	CARDIAC CATHETERIZATION DATE		Value or "NS" for No Study
27-38	12	208;14	418	HOSPITAL ADMISSION DATE/TIME		
39-50	12	208;15	419	HOSPITAL DISCHARGE DATE/TIME		
51-62	12	.2;1	.21	ANESTHESIA START DATE/TIME		
63-74	12	.2;4	.24	ANESTHESIA END DATE/TIME		

### Line 11 of the Cardiac Transmission Layout

Line 11 Position	Length	File 130		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
15-26	12	.2;10	.205	TIME PAT IN OR		
27-38	12	.2;12	.232	TIME PAT OUT OR		
39-50	12	.2;2	.22	DATE/TIME OPERATION BEGAN		
51-62	12	.2;3	.23	DATE/TIME OPERATION ENDED		

### Line 12 of the Cardiac Transmission Layout

Line 12 Position	Length	File 130		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
15-79	65	206.1;1	430	PREOP RISK FACTORS COMMENTS  ***Will not be used after SR*3*184		

**Line 13 of the Cardiac Transmission Layout**

Line 13 Position	Length	File 130		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
15-79	65	206.1;1	430	PREOP RISK FACTORS COMMENTS, CONTINUED  ***Will no longer be used after SR*3*184		

**Line 14 of the Cardiac Transmission Layout**

Line 14 Position	Length	File 130		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
15-79	65	206.2;1	431	RESOURCE DATA COMMENTS  ***Will no longer be used after SR*3*184		

**Line 15 of the Cardiac Transmission Layout**

Line 15 Position	Length	File 130		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
15-79	65	206.2;1	431	RESOURCE DATA COMMENTS, (CONTINUED)  ***Will no longer be used after SR*3*184		

**Line 16 of the Cardiac Transmission Layout**

Line 16 Position	Length	File 136		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
15-16	2	1;136.01	.01	PRIN. PROC. CPT MODIFIER #1		
17-18	2	1;136.01	.01	PRIN. PROC. CPT MODIFIER #2		
19-20	2	1;136.01	.01	PRIN. PROC. CPT MODIFIER #3		

Line 16 Position	Length	File 136		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
21-22	2	1;136.01	.01	PRIN. PROC. CPT MODIFIER #4		
23-24	2	1;136.01	.01	PRIN. PROC. CPT MODIFIER #5		
25-26	2	3,1;136.31	.01	OTHER PROC. CPT #1 - MODIFIER #1		
27-28	2	3,1;136.31	.01	OTHER PROC. CPT #1 - MODIFIER #2		
29-30	2	3,1;136.31	.01	OTHER PROC. CPT #1 - MODIFIER #3		
31-32	2	3,1;136.31	.01	OTHER PROC. CPT #1 - MODIFIER #4		
33-34	2	3,1;136.31	.01	OTHER PROC. CPT #1 - MODIFIER #5		
35-36	2	3,1;136.31	.01	OTHER PROC. CPT #2 - MODIFIER #1		
37-38	2	3,1;136.31	.01	OTHER PROC. CPT #2 - MODIFIER #2		
39-40	2	3,1;136.31	.01	OTHER PROC. CPT #2 - MODIFIER #3		
41-42	2	3,1;136.31	.01	OTHER PROC. CPT #2 - MODIFIER #4		
43-44	2	3,1;136.31	.01	OTHER PROC. CPT #2 - MODIFIER #5		
45-46	2	3,1;136.31	.01	OTHER PROC. CPT #3 - MODIFIER #1		
47-48	2	3,1;136.31	.01	OTHER PROC. CPT #3 - MODIFIER #2		
49-50	2	3,1;136.31	.01	OTHER PROC. CPT #3 - MODIFIER #3		
51-52	2	3,1;136.31	.01	OTHER PROC. CPT #3 - MODIFIER #4		
53-54	2	3,1;136.31	.01	OTHER PROC. CPT #3 - MODIFIER #5		
55-56	2	3,1;136.31	.01	OTHER PROC. CPT #4 - MODIFIER #1		
57-58	2	3,1;136.31	.01	OTHER PROC. CPT #4 - MODIFIER #2		



Line 16 Position	Length	File 136		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
59-60	2	3,1;136.31	.01	OTHER PROC. CPT #4 - MODIFIER #3		
61-62	2	3,1;136.31	.01	OTHER PROC. CPT #4 - MODIFIER #4		
63-64	2	3,1;136.31	.01	OTHER PROC. CPT #4 - MODIFIER #5		
65-66	2	3,1;136.31	.01	OTHER PROC. CPT #5 - MODIFIER #1		
67-68	2	3,1;136.31	.01	OTHER PROC. CPT #5 - MODIFIER #2		
69-70	2	3,1;136.31	.01	OTHER PROC. CPT #5 - MODIFIER #3		
71-72	2	3,1;136.31	.01	OTHER PROC. CPT #5 - MODIFIER #4		
73-74	2	3,1;136.31	.01	OTHER PROC. CPT #5 - MODIFIER #5		

### Line 17 of the Cardiac Transmission Layout

Line 17 Position	Length	File 136		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
15-16	2	3,1;136.31	.01	OTHER PROC. CPT #6 - MODIFIER #1		
17-18	2	3,1;136.31	.01	OTHER PROC. CPT #6 - MODIFIER #2		
19-20	2	3,1;136.31	.01	OTHER PROC. CPT #6 - MODIFIER #3		
21-22	2	3,1;136.31	.01	OTHER PROC. CPT #6 - MODIFIER #4		
23-24	2	3,1;136.31	.01	OTHER PROC. CPT #6 - MODIFIER #5		
25-26	2	3,1;136.31	.01	OTHER PROC. CPT #7 - MODIFIER #1		
27-28	2	3,1;136.31	.01	OTHER PROC. CPT #7 - MODIFIER #2		
29-30	2	3,1;136.31	.01	OTHER PROC. CPT #7 - MODIFIER #3		

Line 17 Position	Length	File 136		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
31-32	2	3,1;136.31	.01	OTHER PROC. CPT #7 - MODIFIER #4		
33-34	2	3,1;136.31	.01	OTHER PROC. CPT #7 - MODIFIER #5		
35-36	2	3,1;136.31	.01	OTHER PROC. CPT #8 - MODIFIER #1		
37-38	2	3,1;136.31	.01	OTHER PROC. CPT #8 - MODIFIER #2		
39-40	2	3,1;136.31	.01	OTHER PROC. CPT #8 - MODIFIER #3		
41-42	2	3,1;136.31	.01	OTHER PROC. CPT #8 - MODIFIER #4		
43-44	2	3,1;136.31	.01	OTHER PROC. CPT #8 - MODIFIER #5		
45-46	2	3,1;136.31	.01	OTHER PROC. CPT #9 - MODIFIER #1		
47-48	2	3,1;136.31	.01	OTHER PROC. CPT #9 - MODIFIER #2		
49-50	2	3,1;136.31	.01	OTHER PROC. CPT #9 - MODIFIER #3		
51-52	2	3,1;136.31	.01	OTHER PROC. CPT #9 - MODIFIER #4		
53-54	2	3,1;136.31	.01	OTHER PROC. CPT #9 - MODIFIER #5		
55-56	2	3,1;136.31	.01	OTHER PROC. CPT #10 - MODIFIER #1		
57-58	2	3,1;136.31	.01	OTHER PROC. CPT #10 - MODIFIER #2		
59-60	2	3,1;136.31	.01	OTHER PROC. CPT #10 - MODIFIER #3		
61-62	2	3,1;136.31	.01	OTHER PROC. CPT #10 - MODIFIER #4		
63-64	2	3,1;136.31	.01	OTHER PROC. CPT #10 - MODIFIER #5		
65-70	6	8;1	50	DIVISION		

**Line 18 of the Cardiac Transmission Layout**

Line 18 Position	Length		FIELD NAMES	Set of Codes or Other Notes	
				Code	Stands for
15-49	35	VAPA(1)	STREET ADRESS (LINE 1)		
50-79	30	VAPA(2)	STREET ADRESS (LINE 2)		

**Line 19 of the Cardiac Transmission Layout**

Line 19 Position	Length		Field Name	Set of Codes or Other Notes	
				Code	Stands for
15-44	30	VAPA(3)	STREET ADRESS (LINE 2)		
45-59	15	VAPA(4)	CITY		
60-64	5	VAPA(5)	STATE (ABBREVIATION)		

**Line 20 of the Cardiac Transmission Layout**

Line 20 Position	Length		Field Name	Set of Codes or Other Notes	
				Code	Stands for
15-34	20	VAPA(8)	PHONE NUMBER		
35-64	30	Field .05, File 405	REFERRING FACILITY NAME		
65-70	6	Field .05, File 405	REFERRING FACILITY NUMBER		
71-76	6	Field 27.02, File 2	PREFERRED FACILITY NUMBER		

**Line 21 of the Cardiac Transmission Layout**

Line 21 Position	Length		Field Name	Set of Codes or Other Notes	
				Code	Stands for
15-44	30	Field .05, File 405	FOLLOW-UP FACILITY NAME		
45-50	6	Field .05, File 405	FOLLOW-UP FACILITY NUMBER		

### Line 22 of the Cardiac Transmission Layout

Line 22 Position	Length	File 130		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
15-20	6	201;21	457	HDL		Value or "NS" for No Study
21-27	7	202;21	457.1	HDL, DATE		
28-33	6	201;22	458	SERUM TRIGLYCERIDE		Value or "NS" for No Study
34-40	7	202;22	458.1	SERUM TRIGLYCERIDE, DATE		
41-46	6	201;23	459	SERUM POTASSIUM		Value or "NS" for No Study
47-53	7	202;23	459.1	SERUM POTASSIUM, DATE		
54-59	6	201;24	460	SERUM BILIRUBIN		Value or "NS" for No Study
60-66	7	202;24	460.1	SERUM BILIRUBIN, DATE		

### Line 23 of the Cardiac Transmission Layout

Line 23 Position	Length	File 130		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
15-20	6	201;25	461	LDL		Value or "NS" for No Study
21-27	7	202;25	461.1	LDL, DATE		
28-33	6	201;26	462	TOTAL CHOLESTEROL		Value or "NS" for No Study
34-40	7	202;26	462.1	TOTAL CHOLESTEROL, DATE		
41-47	7	VADM(3)		DATE OF BIRTH		
48-50	3	25;1	44	SPONGE FINAL COUNT CORRECT	Y YES N NO, SEE NURSING CARE COMMENTS NA NOT APPLICABLE	
51-53	3	25;2	45	SHARPS FINAL COUNT CORRECT	Y YES N NO, SEE NURSING CARE COMMENTS NA NOT APPLICABLE	

Line 23 Position	Length	File 130		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
54-56	3	25;3	46	INSTRUMENT FINAL COUNT CORRECT	Y YES N NO, SEE NURSING CARE COMMENTS NA NOT APPLICABLE	
57	1	25;6	630	POSSIBLE ITEM RETENTION	Y YES N NO	
58	1	25;7	633	WOUND SWEEP	Y YES N NO	
59	1	25;8	636	INTRA-OPERATIVE X- RAY	Y YES N NO	
60-62	3			NUM OF PROSTHESIS INSTALLED ENTRIES	(0 to 999)	
63-65	3			NUM OF PROVIDER READ BACK PERFORMED "YES" RESPONCES	(0 to 999)	

#### Line 24 of the Cardiac Transmission Layout

Line 24 Position	Length	File 130		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
15-16	2			(not used)		
17-18	2	200;57	641	HYPERTENSION	1 NO WITHOUT MED 3 YES WITH MED 4 UNKNOWN	2 YES
19-20	2	207;24	464	NUMBER WITH RADIAL ARTERY  <i>**Will not be used after SR*3*182</i>		
21-22	2	207;25	465	NUMBER WITH OTHER ARTERY  <i>**Will not be used after SR*3*182</i>		
23-24	2	206;39	466	TRACHEOSTOMY	Y YES N NO	

Line 24 Position	Length	File 130		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
25-26	2	206;40 10,0;2 16,0;2	467 130.13,3 130.22,5	NEW MECHANICAL CIRCULATORY	I P N Y	INTRAOP POST-OP NO YES
27-28	2			(not used)		
29-40	12	208;22	470	DATE/TIME PATIENT EXTUBATED		Value or "RI" for Remains intubated at 30 days
41-52	12	208;23	471	D/T PAT DISCHARGED FROM ICU		Value or "RI" for Remains in ICU at 30 days
53-54	2	206;41	472	CARDIAC SURG CONTRACTED NON-VA FACILITY  <i>**Will not be used after SR*3*182</i>	Y N NS	YES NO UNKNOWN
55-57	3	207;26	468	INCISION TYPE	FS FT LP LS LT OL NS	FULL STERNOTOMY FULL THORACOTOMY LIMITED PARASTERNAL APPROACH LIMITED STERNOTOMY LIMITED THORACOTOMY OTHER LIMITED SURG APPROACH NO STUDY/UNKNOWN
58-65	8	RPC^DGPTFAPI		DISCHARGE ICD #1 - PRIMARY		
66-67	2	205;40	448	POSTOPERATIVE ATRIAL FIBRILLATION	Y N	YES NO
68	1	130.13,5		INTRAOP DEVICE TYPE	1 2 3 4 5	IABP VAD TAH ECMO MULTIPLE DEVICES
69	1	130.22,15		POSTOP DEVICE TYPE	1 2 3 4 5	IABP VAD TAH ECMO MULTIPLE DEVICES
70	1	.1;21	661	PALLIATION  SR*3*184 Change	Y N	YES NO

### Line 25 of the Cardiac Transmission Layout

Line 25 Position	Length	Field Name	Set of Codes or Other Notes Code            Stands for	
15-16	2	RPC^DGPTFAPI	TYPE OF DISCHARGE	1    REGULAR 2    NBC OR WHILE ASIH 3    EXPIRATION 6 MONTH LIMIT 4    IRREGULAR 5    TRANSFER 6    DEATH WITH AUTOPSY 7    DEATH WITHOUT AUTOPSY
17-24	8	RPC^DGPTFAPI	DISCHARGE ICD #2	
25-32	8	RPC^DGPTFAPI	DISCHARGE ICD #3	
33-40	8	RPC^DGPTFAPI	DISCHARGE ICD #4	
41-48	8	RPC^DGPTFAPI	DISCHARGE ICD #5	
49-56	8	RPC^DGPTFAPI	DISCHARGE ICD #6	
57-64	8	RPC^DGPTFAPI	DISCHARGE ICD #7	
65-72	8	RPC^DGPTFAPI	DISCHARGE ICD #8	
			DISCHARGE ICD #9– <i>Moved to Node 28</i>	
			DISCHARGE ICD #10– <i>Moved to Node 28</i>	

### Line 26 of the Cardiac Transmission Layout

Line 26 Position	Length	File 130		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
15-16	2	RPC	^DGPTFAPI	PLACE OF DISPOSITION	1	RETURN TO COMMUNITY-INDEPENDENT
					2	VA MEDICAL CENTER
					3	MILITARY HOSPITAL
					4	OTHER FEDERAL HOSPITAL
					5	OTHER GOVERNMENT HOSPITAL
					6	COMMUNITY HOSPITAL
					7	VA NURSING HOME CARE UNIT (NHCU)
					8	COMMUNITY NURSING HOME
					9	NURSING CARE CONT AT SAM NURSING HOME
					10	NURSE CARE CONTD ANOTHER COMM NURS HOME
					11	STATE HOME
					12	VA DOMICILLARY
					13	STATE HOME
					14	FOSTER HOME
					15	HALFWAY HOUSE
					16	BOARDING HOUSE
					17	PENAL INSTITUTION
					18	RESIDENTIAL HOTEL/RESIDENT (IE YMCA)
					19	OTHER PLACEMENT/UNKNOWN (NOT SPECIFIED)
					20	HOME-BASED PRIMARY CARE (HBPC)
					21	SPINAL CORD INJURY-VACO APPROVED ONLY
					22	HOSPICE CARE
					23	RESPITE CARE
					24	REFER VA-PD HOME/COMMUNIT HEALTH
					25	REFER MEDICARE HOME HEALTH CARE
					26	REFER OTHER AGENCY-PD HOM HEALTH CARE



Line 26 Position	Length	File 130		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
17-18	2	200;56	640	PCI	1	NONE
					2	<12 HRS OF SURG
					3	>12 HRS - 7 DAYS
					4	>7 DAYS
					5	UNKNOWN
19-20	2	206;15	352	NUM OF PRIOR SURGERIES	0	NONE
					1	1
					2	2
					3	3
					>	>3
21-22	2			(NOT USED)		
23-24	2	207;27	469	CONVERT FROM OFF PUMP TO CPB	1	NO (began off-pump/stayed off-pump)
					2	YES-PLANNED
					3	YES-UNPLANNED
					5	N/A (began on-pump/stayed on-pump)
					NS	NO STUDY/UNKNOWN
25-26	2	209;1	473	HOMELESS	Y	YES
					N	NO
					NS	NO STUDY/UNKNOWN
27-28	2	209;2	474	PREOP CIRCULATORY DEVICE	N	NONE
					I	IABP
					V	VAD (includes BIVAD)
					A	ARTIFICIAL HEART
					O	OTHER
29-30	2	209;3	475	DIABETES (CARDIAC)	N	NO
					D	DIET
				**Not used after 2012 update	O	ORAL
					I	INSULIN
31-32	2	209;4	476	PROCEDURE TYPE	C	CATH
					I	IVUS
					B	BOTH/COMBINATION
					NS	NO STUDY/UNKNOWN

Line 26 Position	Length	File 130		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
33-34	2	209;5	477	AORTIC STENOSIS	0	NONE/TRIVIAL
					1	MILD
					2	MODERATE
					3	SEVERE
					NS	NO STUDY
35-37	3	209;6	478	RE-DO LAD STENOSIS	Value or "NS" for No Study/Unknown	
38-40	3	209;7	479	RE-DO RT CORONARY STENOSIS	Value or "NS" for No Study/Unknown	
41-43	3	209;8	480	RE-DO CIRCUMFLEX STENOSIS	Value or "NS" for No Study/Unknown	
44-45	2	209;9	481	BRIDGE TO TRANSPLANT/DEVICE  <i>Re-used by SR*3*184</i>	N	NONE
					B	BRIDGE TO TRANSPLANT
					D	DESTINATION THERAPY
46-47	2			<i>(NO LONGER USED)</i>		
48-49	2	209;11	483	TMR  <i>**Will not be used after SR*3*182</i>	Y	YES
					N	NO
50-54	5	206;42	485	PRIOR HEART SURGERIES  <i>**NO LONGER USED - MOVED BY SR*3*182 TO POSITION 57-62</i>	0	NONE
					1	CABG-ONLY
					2	VALVE-ONLY
					3	CABG/VALVE
					4	OTHER
					5	CABG/OTHER
55-56	2	209;12	490	REPEAT VENTILATOR W/IN 30 DAYS  <i>**Will not be used after SR*3*182</i>	Y	YES
					N	NO

Line 26 Position	Length	File 130		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
57-62	6	206;42	485	PRIOR HEART SURGERIES	0	NONE
					1	CABG-ONLY
					2	VALVE-ONLY
					3	CABG/VALVE
					4	OTHER
					5	CABG/OTHER
					6	UNKNOWN
					SR*3*182 change	
63-64	2	205;43	645	MECHANICAL VENT W/N 30 DAYS	Y	YES
					N	NO
65-66	2	205;44	422	OUT-OF-OR UNPLANNED INTUBATION	Y	YES
					N	NO

#### Line 27 of the Cardiac Transmission Layout

Line 27 Position	Length	File 130		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
15-79	65	209.1;1	484	OTHER CARDIAC PROCEDURES		
				<i>**Will not be used after SR*3*182</i>		

#### Line 28 of the Cardiac Transmission Layout

Line 28 Position	Length	File 130		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
15-16	2	209;13	502	OTHER CARDIAC PROCEDURES	Y	YES
					N	NO
				<i>**Will not be used after SR*3*182</i>		
17-18	2	209;14	512	MAZE PROCEDURE	N	NO MAZE PERFORMED
				<i>**Will not be used after SR*3*182</i>	F	FULL MAZE
					M	MINI MAZE

Line 28 Position	Length	File 130		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
19-20	2	207.1;2	505	ENDOVASCULAR REPAIR  <i>**Will not be used after SR*3*182</i>	Y YES N NO	
21-26	6	201;28	504	HEMOGLOBIN A1C		Value or "NS" for No Study
27-33	7	202.1;1	504.1	HEMOGLOBIN A1C, DATE		
34-38	5	201;29	507	B-TYPE NATRIURETIC PEPTIDE (BNP)		Value or "NS" for No Study
39-45	7	202.1;2	507.1	B-TYPE NATRIURETIC PEPTIDE (BNP) DATE		
46-53	8	RPC^DGPTFAPI		Discharge ICD #9		
54-61	8	RPC^DGPTFAPI		Discharge ICD #10		
62	1	210;1	662	IMPAIRED COGNITIVE FUNCTION	0 NONE-NO IMPAIRMENT 1 YES-DOCUMENTED HISTORY 2 YES-DOCUMENTE D AND DECLINING 3 NO STUDY-NO DOCUMENTATION	

### Line 29 of the Cardiac Transmission Layout

Line 29 Position	Length	File 130		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
15-21	7	130.0647,.01		ORGAN TO BE TRANSPLANTED	1 HEART, 2 LUNG, 3 KIDNEY 4 LIVER, 5 PANCREAS 6 INTESTINE, 7 OTHER	
22-31	10	VER1;2	648	UNOS NUMBER		1-10 chars
32-33	2	VER1;3	649	DONOR SEROLOGY HCV	Y YES N NO NA NOT APPLICABLE	
34-35	2	VER1;4	650	DONOR SEROLOGY HBV	Y YES N NO NA NOT APPLICABLE	

Line 29 Position	Length	File 130		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
36-37	2	VER1;5	651	DONOR SEROLOGY CMV	Y YES N NO NA NOT APPLICABLE	
38-39	2	VER1;6	652	DONOR SEROLOGY HIV	Y YES N NO NA NOT APPLICABLE	
40	1	VER1;7	653	DONOR ABO TYPE	1 A RH(+) 2 A RH(-) 3 B RH(+) 4 B RH(-) 5 AB RH(+) 6 AB RH(-) 7 O RH(+) 8 O RH(-)	
41	1	VER1;8	654	RECIPIENT ABO TYPE	1 A RH(+) 2 A RH(-) 3 B RH(+) 4 B RH(-) 5 AB RH(+) 6 AB RH(-) 7 O RH(+) 8 O RH(-)	
42	1	VER1;9	655	BLOOD BANK ABO VERIFICATION	Y YES N NO	
43-54	12	VER1;19	747	D/T BLOOD BANK ABO VERIF		
55	1	VER1;10	656	OR ABO VERIFICATION	Y YES N NO	
56-67	12	VER1;21	749			D/T OR ABO VERIF
68	1	VER1;22	750	UNET VERIF BY SURGEON	Y YES N NO	
69	1	VER1;12	658	ORGAN VER PRE- ANESTHESIA	Y YES N NO	

Line 29 Position	Length	File 130		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
70	1	VER1;24	752	DONOR ORG VER PRE-ANES	1 YES 2 NO 3 NOT APPLICABLE	
71	1	VER1;14	660	ORGAN VER PRE-TRANSPLANT	1 YES 2 NO 3 NOT APPLICABLE	
72	1	VER1;15	663	DONOR VESSEL USAGE	Y YES N NO	
73-74	2	VER1;16	665	DONOR VESSEL DISPOSITION  **Updated with SR*3*205	N NO DONOR VESSELS RECEIVED D DISCARDED R RETURNED TO OPO S STORED NA NOT APPLICABLE	

### Line 30 of the Cardiac Transmission Layout

Line 30 Position	Length	File 130		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
15-44	30	VER1;11	657	SURGEON VERIFYING UNET	Name field	
45-74	30	VER1;23	751	SURGEON VER ORGAN PRE-ANES	Name field	

### Line 31 of the Cardiac Transmission Layout

Line 31 Position	Length	File 130		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
15-44	30	VER1;13	659	SURGEON VER DONOR ORG PRE-ANES	Name field	
45-74	30	VER1;25	753	SURGEON VER ORG PRE-TRANSPLANT	Name field	

### Line 32 of the Cardiac Transmission Layout

Line 32 Position	Length	File 130		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
15-24	10	57;0	Multiple #130.0664	DONOR VESSEL UNOS ID – Entry #1	1-10 chars	Free-Text
25-34	10	57;0	Multiple #130.0664	DONOR VESSEL UNOS ID – Entry #2	1-10 chars	Free-Text
35-44	10	57;0	Multiple #130.0664	DONOR VESSEL UNOS ID – Entry #3	1-10 chars	Free-Text
45-54	10	57;0	Multiple #130.0664	DONOR VESSEL UNOS ID – Entry #4	1-10 chars	Free-Text
55-64	10	57;0	Multiple #130.0664	DONOR VESSEL UNOS ID – Entry #5	1-10 chars	Free-Text
65-74	10	57;0	Multiple #130.0664	DONOR VESSEL UNOS ID – Entry #6	1-10 chars	Free-Text

### Line 33 of the Cardiac Transmission Layout

Line 33 Position	Length	File 130		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
15-24	10	57;0	Multiple #130.0664	DONOR VESSEL UNOS ID – Entry #7	1-10 chars	Free-Text
25-26	2	211;1	686	AORTIC REGURGITATION	Y YES N NO	
27-28	2	211;2	687	INJURY TO ADJACENT ORGAN	0 NO; 1 YES, WITH INTERVENTION 2 YES, WITH NO INTERVENTION REQ	
29-30	2	211;3	688	STOMA COMPLICATIONS	Y YES N NO	
31-32	2	211;4	689	NON-UNION	Y YES N NO	

Line 33 Position	Length	File 130		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
33-34	2	211;5	690	IMPLANT INFECTIONS	Y YES N NO	
35-36	2	211;6	691	CHYLE/LYMPH LEAK	Y YES N NO	
37-38	2	211;7	692	ANASTOMOTIC LEAK	Y YES N NO	
39-40	2	211;8	693	FISTULA	Y YES N NO	
41-42	2	211;9	694	NECROTIZING SOFT TISS INFECT	Y YES N NO	
43-44	2	211;10	695	OTHER BLOOD PRODUCT UNITS	0 NONE 1 PLATELETS 2 FRESH FROZEN PLASMA 3 PLASMA AND PLATELETS 4 ANY OTHER COMBINATION 5 ANY OTHER BLOOD PRODUCT	
45-46	2	211;11	696	PRESSORS USED INTRAOP	0 NO 1 YES-BOLUS 2 YES-CONTINUOUS INFUSION	
47-48	2	211;12	697	MITRAL STENOSIS	Y YES N NO	
49-50	2	211;13	698	PCI INTERVENTION	Y YES N NO	
51-52	2	211;14	699	ATRIAL ARRHYTHMIAS	Y YES N NO	
53-54	2	211;15	700	HEAD OR NECK CANCER	Y YES N NO	
55-56	2	211;16	701	MACULAR DEGENERATION	Y YES N NO	
57-58	2	211;17	702	GLAUCOMA	Y YES N NO	
59-60	2	211;20	705	AXIAL LEN/ANTERIOR CHAM DEP	Y YES N NO	



Line 33 Position	Length	File 130		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
61-62	2	211;19	704	HX RETINAL DETACHMENT	Y YES N NO	
63-64	2	211;21	706	CORNEAL GUTTAE/FUCHS ENDO	Y YES N NO	
65-66	2	211;22	707	DIABETIC RETINOPATHY	Y YES N NO	
67-68	2	211;23	708	COMPLEX CATARACT	Y YES N NO	
69-70	2	211;24	709	STATIN 30 DAYS PREOP	Y YES N NO	
71-72	2	211;25	710	IPSILAT CORTICAL EVENT PREOP	Y YES N NO	
73-74	2	211;26	711	PREOP MODIFIED RANKIN SCORE		
75-76	2	211;27	712	CAROTID SUR ANATOMIC HIGH RISK	Y YES N NO	
77-78	2	211;28	713	BYPASS CRITICAL LIMB ISCHEMIA	Y YES N NO	

### Line 34 of the Cardiac Transmission Layout

Line 34 Position	Length	File 130		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
15-20	6	64;0	714 multiple field	INDIC DESC THOR ENDOGRAFT	1 ACUTE DISSECTION 2 CHRONIC DISSECTION 3 ANEURYSM 4 ATHEROSCLEROTIC OCCLUSIVE DISEASE 5 OTHER	
21-22	2	211;30	715	ENDOLEAK AT COMPLETION	Y YES N NO	
23-27	5	211;31	716	HIGH HEART RATE 6HRS PREOP	Numeric (30-250)	
28-32	5	211;32	717	HIGH HEART RATE INTRAOP	Numeric (30-250)	

Line 34 Position	Length	File 130		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
33-37	5	211;35	722	LOWEST PH INTRAOP		from 6.80 to 7.60 with 3 digits
38-41	4	211;34	719	HIGH LACTIC ACID 6HRS PREOP		number between 0 and 30, 1 decimal
42-45	4	211;39	727	LOWEST BICARBONATE INTRAOP		from 0 to 40 with on decimal
46-48	3	211;33	718	LOW ARTERIAL PRESS 6HRS PREOP		between 0 and 200
49-51	3	211;36	723	LOW ARTERIAL PRESS INTRAOP		between 0 and 200
52-54	3	211;40	728	UNITS TRANSFUSED 6HRS PREOP		from 0 to 100
55-56	2	211;37	724	OLIGURIA <60CC/2HRS 6HRS PREOP	Y YES N NO	
57-58	2	211;38	725	OLIGURIA URINE OUTPUT INTRAOP	Y YES N NO	
59-60	2	211;41	729	VASOPRESSOR USAGE AT OR ENTRY	Y YES N NO	
61-62	2	211;42	730	CARDIAC ARREST 24HRS PREOP	Y YES N NO	
63-64	2	211;43	731	DIC W/IN 6HRS PREOP		1 SCORE <5 2 SCORE > OR EQUAL 5
65-68	4	VERD;6	720	HIGH LACTIC ACID INTRAOP		number between 0 and 30, 1 decimal
69-73	5	VERD;7	721	LOWEST PH 6HRS PREOP		from 6.80 to 7.60 with 3 digits
74-77	4	VERD;8	726	LOWEST BICARBONATE 6HRS PREOP		from 0-40 with 1 decimal

### Line 35 of the Cardiac Transmission Layout

Line 35 Position	Length	File 130		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
15-16	2	210;2	666	LIVER DISEASE/CIRRHOSIS	Y YES N NO	
17-18	2	210;3	668	IMMUNOCOMPROMISED STATE PREOP	Y YES N NO	
19-20	2	210;4	669	PULMONARY HTN	Y YES N NO	
21-22	2	210;7	672	NUTRITIONAL SUPPLEMENT PREOP	Y YES N NO	
23-24	2	210;10	675	PRIOR INFEC/INFLAM SURG FIELD	Y YES N NO	
25-26	2	210;11	676	HX DEEP VEIN THROMBOSIS	1 NEITHER DVT NOR PE 2 DVT WITHOUT PE 3 PE WITHOUT DVT 4 BOTH DVT AND PE	
27-28	2	211;44	732	HYPOXEMIA W/IN 6HRS PREOP	1 NOT MEASURED 2 PAO2/FIO2 < 200 3 PAO2/FIO2 200-249 4 PAO2/FIO2 250-299 5 PAO2/FIO2 > 300	
29-30	2	211;45	733	ENDOLEAK AT FOLLOW-UP	Y YES N NO	
31-32	2	211;46	734	CARDIAC ARREST INTRAOP	Y YES N NO	
33-34	2	211;47	735	FLOPPY IRIS INTRAOP	Y YES N NO	
35-36	2	211;48	736	PREOP VISUAL ACUITY	1 20/20 OR BETTER 2 > 20/20 - 20/50 3 > 20/50 - 20/100 4 > 20/100 - 20/200 5 > 20/200 6 HAND MOTION 7 LIGHT PERCEPTION 8 NO LIGHT PERCEPTION	

Line 35 Position	Length	File 130		Field Name	Set of Codes or Other Notes	
		Global	Field		Code	Stands for
37-38	2	211;49	737	POSTOP VISUAL ACUITY	1 20/20 OR BETTER 2 > 20/20 - 20/50 3 > 20/50 - 20/100 4 > 20/100 - 20/200 5 > 20/200 6 HAND MOTION 7 LIGHT PERCEPTION 8 NO LIGHT PERCEPTION	
39-40	2	211;50	738	ENDOPHTHALMITIS TYPE	0 NO ENDOPHTHALMITIS 1 BACTERIAL 2 TASS	
41-42	2	211;51	739	CYSTOID MACULAR EDEMA	Y YES N NO	
43-44	2	211;52	740	DISLOCATION OF OPERATIVE JOINT	Y YES N NO	
45-46	2	211;53	741	PERIPROSTHETIC FRACTURES	Y YES N NO	
47-58	12	211;54	742	D/T PAT ARRIVES HOSP DAY SURG	Date/Time	
59-70	12	211;55	743	D/T PAT LEAVES HOSP DAY SURG	Date/Time	
71-73	3	211;56	744	KIDNEY DONOR PROFILE INDEX	(0-100)	
74-76	3	211;57	745	EXPECTED POST TRANSPLANT INDEX	(0-100)	

## Appendix C: Workload Report Transmission Layout

Each line begins with Station Number in piece 1. Fields listed below are sub-fields within the MONTHLY WORKLOAD REPORT multiple field (#1, sub-file #139.11) in the RISK ASSESSMENT SITE file (#139.1). D1 in the Global column represents the IEN of the Monthly Workload Report in sub-file #139.11)

**Line 1 of the Workload Report Transmission Layout**

Line 1 Piece	Global	Field	Field Name
2	1,D1,0;1	.01	MONTHLY WORKLOAD REPORT
3	1,D1,0;2	.05	DATE TRANSMITTED
4	1,D1,0;3	1	TOTAL CASES
5	1,D1,0;4	2	EXCLUDED CASES
6	1,D1,0;5	3	ASSESSED CASES
7	1,D1,0;6	4	NON-ASSESSED CASES (aka NOT LOGGED MAJOR CASES)
8	1,D1,0;7	5	CARDIAC CASES
9	1,D1,0;8	6	NON-CARDIAC CASES
10	1,D1,0;9	7	ASSESSED CASE/DAY
11	1,D1,0,10	8	MAJOR CASES
12	1,D1,0,11	9	MINOR CASES
13	1,D1,0,12	2.1	EXCLUSION TYPE 1 (ANESTHESIA TYPE – No longer used))
14	1,D1,0,13	2.2	EXCLUSION TYPE 2 (EXCEEDS MAX ASSMNTS)
15	1,D1,0,14	2.3	EXCLUSION TYPE 3 (EXCEEDS MAX TURPS)
16	1,D1,0,15	2.4	EXCLUSION TYPE 4 (STUDY CRITERIA)
17	1,D1,0,16	2.6	EXCLUSION TYPE 6 (SCNR ON A/L)
18	1,D1,0,17	2.8	EXCLUSION TYPE 8 (CONCURRENT CASE)
19	1,D1,0,18	2.9	EXCLUSION TYPE 9 (EXCEEDS MAX HERNIAS)
20	1,D1,0,19	2.11	EXCLUSION TYPE 0 (NON-SURGEON CASE)

### Line 2 of the Workload Report Transmission Layout

Line 2 Piece	Global	Field	Field Name
2	1,D1,1;1	10	MONTH #1
3	1,D1,1;2	10.1	MONTH #1 CARDIAC
4	1,D1,1;3	10.2	MONTH #1 NON-CARDIAC
5	1,D1,1;4	11	MONTH #2
6	1,D1,1;5	11.1	MONTH #2 CARDIAC
7	1,D1,1;6	11.2	MONTH #2 NON-CARDIAC
8	1,D1,1;7	12	MONTH #3
9	1,D1,1;8	12.1	MONTH #3 CARDIAC
10	1,D1,1;9	12.2	MONTH #3 NON-CARDIAC
11	1,D1,1;10	13	MONTH #4
12	1,D1,1;11	13.1	MONTH #4 CARDIAC
13	1,D1,1;12	13.2	MONTH #4 NON-CARDIAC
14	1,D1,1;13	14	MONTH #5
15	1,D1,1;14	14.1	MONTH #5 CARDIAC
16	1,D1,1;15	14.2	MONTH #5 NON-CARDIAC
17	1,D1,1;16	15	MONTH #6
18	1,D1,1;17	15.1	MONTH #6 CARDIAC
19	1,D1,1;18	15.2	MONTH #6 NON-CARDIAC
20	1,D1,1;19	16	MONTH #7
21	1,D1,1;20	16.1	MONTH #7 CARDIAC
22	1,D1,1;21	16.2	MONTH #7 NON-CARDIAC
23	1,D1,1;22	17	MONTH #8
24	1,D1,1;23	17.1	MONTH #8 CARDIAC
25	1,D1,1;24	17.2	MONTH #8 NON-CARDIAC
26	1,D1,1;25	18	MONTH #9
27	1,D1,1;26	18.1	MONTH #9 CARDIAC

Line 2 Piece	Global	Field	Field Name
28	1,D1,1;27	18.2	MONTH #9 NON-CARDIAC
29	1,D1,1;28	19	MONTH #10
30	1,D1,1;29	19.1	MONTH #10 CARDIAC
31	1,D1,1;30	19.2	MONTH #10 NON-CARDIAC
32	1,D1,1;31	20	MONTH #11
33	1,D1,1;32	20.1	MONTH #11 CARDIAC
34	1,D1,1;33	20.2	MONTH #11 NON-CARDIAC
35	1,D1,1;34	21	MONTH #12
36	1,D1,1;35	21.1	MONTH #12 CARDIAC
37	1,D1,1;36	21.2	MONTH #12 NON-CARDIAC
38	1,D1,2;1	22	MONTH #13
39	1,D1,2;2	22.1	MONTH #13 CARDIAC
40	1,D1,2;3	22.2	MONTH #13 NON-CARDIAC
41			Field transmitted as "0"

### Line 3 of the Workload Report Transmission Layout

Line 3 Piece	Global	Field	Field Name
2			(If 0, send ACK)
3	1,D1,0;20	8.5	ELIGIBLE CASES
4	1,D1,0;21	4.5	NOT LOGGED ELIGIBLE CASES
5	1,D1,0;23	2006	ROBOTIC ASSISTED CASES

## Appendix D: 1-Liner Transmission Layout

The 1-Liner transmission layout was last updated in 2024 by SR\*3.0\*205 and SRA\*3.0\*9.

Each line begins with '@' in position 1, Station Number in positions 2-4, Case Number in positions 5-11, and Line Identifier in positions 12-14.

**Line 1 of the 1-Liner Transmission Layout**

Line 1 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
14	1						C	Cardiac
							*	Excluded
							X	All others
15-21	7	0;9	.09	0;5	4	DATE OF OPERATION		
22-24	3	6;0	.37	2;6	192	ANESTHESIA TECHNIQUE	G	GENERAL
							S	SPINAL
							E	EPIDURAL
							M	MONITORED ANESTHESIA CARE
							L	LOCAL
							R	REGIONAL
							N	NO ANESTHESIA
25	1	0;10	.035	0;6	291	EMERGENCY (Y/N)	Y	YES
							N	NO



Line 1 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
26-28	3	0;4	.04	0;2	23	SURGICAL SPECIALTY	48	CARDIAC SURGERY
							49	TRANSPLANTATION
							50	GENERAL SURGERY
							51	OB/GYN
							52	NEUROSURGERY
							53	OPHTHALMOLOGY
							54	ORTHOPEDICS
							55	EAR, NOSE, THROAT (ENT)
							56	PLASTIC SURGERY
							57	PROCTOLOGY
							58	THORACIC SURGERY
							59	UROLOGY
							60	ORAL SURGERY
							61	PODIATRY
							62	PERIPHERAL VASCULAR
							78	ANESTHESIOLOGY
29-33	5	0;2(136)	.02(136)	OP;2	8	PRINCIPAL OPERATION (CPT)		
34	1	RA;7	102	S;5	305	EXCLUSION REASON	0	NON-SURGEON CASE
							2	EXCEEDS MAX ASSMNTS
							3	EXCEEDS MAX TURPS
							4	STUDY CRITERIA
							6	10% RULE
							8	CONCURRENT CASE
							9	EXCEEDS MAX HERNIAS
35-54	20	VA("PID")		SRAPID;1	309	PATIENT ID		
55-60	6	8;1	50	0;18	7	DIVISION		
61	1	VADM(5)		0;4	3	SEX	M	MALE
							F	FEMALE
62	1	0;3	.03	0;25	319	MAJOR/MINOR	J	MAJOR
							N	MINOR

Line 1 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
63-69	7					- blank -		
70	1	.4;7	903	0;23	308	DEATH UNRELATED/RELA TED	U UNRELATED R RELATED	
71	1	0;12	.011	0;24	318	HOSPITAL ADMISSION STATUS	0 OUTPATIENT I INPATIENT 1 SAME DAY 2 ADMISSION 3 HOSPITALIZED	
72-74	3	OPDATE – DoB		0;3	2	AGE		
75-76	2	1.1;3	1.13	1;2	12	ASA CLASSIFICATION	1 1. NO DISTURBANCE 2 2. MILD DISTURBANCE 3 3. SEVERE DISTURBANCE 4 4. LIFE THREATENING 5 5. MORIBUND N NONE ASSIGNED 1E 1-EMERG. 2E 2-EMERG. 3E 3-EMERG. 4E 4-EMERG. 5E 5-EMERG. 6 6. BRAIN-DEAD 6E 6-EMERG.	
77	1			0;27	14	ADMIT WI 14 DAYS AFTER OUTPAT SURG		
78-79	2			20;1	380	1 NUMBER OF SUPERFICIAL INCISIONAL SSI		
80-81	2			20;2	381	2 NUMBER OF DEEP INCISIONAL SSI		
82-83	2			20;4	382	3 NUMBER OF SYSTEMIC SEPSIS		

Line 1 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
84-85	2			20;4	383	4 NUMBER OF PNEUMONIA		
86-87	2			20;5	384	5 NUMBER OF PULMONARY EMBOLISM		
88-89	2			20;6	385	6 NUMBER OF ON VENTILATOR > 48 HOURS		
90-91	2			20;7	386	7 NUMBER OF UNPLANNED INTUBATION		
92-93	2			20;8	387	8 NUMBER OF RENAL INSUFFICIENCY		
94-95	2			20;9	388	9 NUMBER OF ACUTE RENAL FAILURE		
96-97	2			20;10	389	10 NUMBER OF URINARY TRACT INFECTION		
98-99	2			20;40	437	37 NUMBER OF REPEAT VENT SUPPORT		
100-101	2			20;12	391	12 NUMBER OF STROKE/CVA		
102-103	2			20;13	392	13 NUMBER OF COMA > 24 HOURS		
104-105	2			20;14	393	14 NUMBER OF PERIPHERAL NERVE INJURY		
106-107	2			20;15	394	15 NUMBER OF BLEEDING/TRANS FUSIONS		
108-109	2			20;16	395	16 NUMBER OF CARDIAC ARREST REQUIRING CPR		
110-111	2			20;17	396	17 NUMBER OF MYOCARDIAL INFARCTION		
112-113	2			20;18	397	18 NUMBER OF ILEUS/BOWEL OBSTRUCTION		

Line 1 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
114-115	2			20;19	398	19 NUMBER OF GRAFT/PROSTHE- SIS/FLAP FAILURE		
116-117	2			20;20	399	20 NUMBER OF DVT/THROMBOPHL EBITIS		
118-119	2			20;21	400	21 NUMBER OF OTHER OCCURRENCE		
120-121	2			20;22	401	22 NUMBER OF WOUND DISRUPTION		
122-123	2			20;23	402	23 NUMBER OF ENDOCARDITIS		
124-125	2			20;24	403	24 NUMBER OF LOW CARDIAC OUTPUT > 6 HOURS		
126-127	2			20;25	404	25 NUMBER OF MEDIASTINITIS		
128-129	2			20;26	405	26 NUMBER OF REOPERATION FOR BLEEDING		
130-131	2			20;27	406	27 NUMBER OF REPEAT CARDIO- PULMONARY BYPASS		
132-133	2			20;28	407	28 NUMBER OF STROKE <i>(Obsolete)</i>		
134-135	2			20;29	408	29 NUMBER OF OTHER RESPIRATORY OCCURRENCE		
136-137	2			20;30	409	30 NUMBER OF OTHER CNS OCCURRENCE		
138-139	2			20;31	410	31 NUMBER OF OTHER URINARY TRACT OCCURRENCE		

Line 1 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
140-141	2			20;32	411	32 NUMBER OF OTHER CARDIAC OCCURRENCE		
142-146	5	3;1	136.03,.01	11;2	139.017,1	OTHER PROCEDURE CPT CODE #1		
147-151	5	3;1	136.03,.01	11;2	139.017,1	OTHER PROCEDURE CPT CODE #2		
152-156	5	3;1	136.03,.01	11;2	139.017,1	OTHER PROCEDURE CPT CODE #3		
157-161	5	3;1	136.03,.01	11;2	139.017,1	OTHER PROCEDURE CPT CODE #4		
162-166	5	3;1	136.03,.01	11;2	139.017,1	OTHER PROCEDURE CPT CODE #5		
167-171	5	3;1	136.03,.01	11;2	139.017,1	OTHER PROCEDURE CPT CODE #6		
172-176	5	3;1	136.03,.01	11;2	139.017,1	OTHER PROCEDURE CPT CODE #7		
177-181	5	3;1	136.03,.01	11;2	139.017,1	OTHER PROCEDURE CPT CODE #8		
182-186	5	3;1	136.03,.01	11;2	139.017,1	OTHER PROCEDURE CPT CODE #9		
187-191	5	3;1	136.03,.01	11;2	139.017,1	OTHER PROCEDURE CPT CODE #10		
192-193	2	1.0;8	1.09	0;16	78	WOUND CLASSIFICATION	C CLEAN CC CLEAN/ CONTAMINATED D CONTAMINATED I INFECTED	
194	1			20;33	412	OCCURRENCE TYPES	I INTRAOP P POSTOP B BOTH	

Line 1 Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
195-196	2			S;12	127	RETRANSMISSION NUMBER		
197	1						"*" REDOWNLOAD INDICATORE	
198-204	7			S;4	115	TRANSMISSION DATE		
205-214	10	CON;1	35	CON;5	15	CONCURRENT CASE		
215-226	12	VADM(6)		0;17	219	DATE/TIME OF DEATH		
227-238	12	208;15	419	32;6	325	HOSPITAL DISCHARGE DATE		
239	1	30;6	18.5	184;1	89	CASE ABORTED	1 NO 2 YES-PRE ANESTHESIA 3 YES-POST ANESTHESIA	
240	1	.1;21	661	184;2	90	PALLIATION	Y YES N NO	
241	1	0;26	.013	184;3	91	PLANNED ADMISSION STATUS	1 SAME DAY 2 ADMITTED 3 HOSPITALIZED	
242-243	2	OP;3	2006	OP;4	2006	ROBOTIC ASSISTANCE (Y/N)	Y YES N NO	

### Line B of the 1-Liner Transmission Layout

Line B Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
15-26	12	.2;1	.21	32;11	335	ANESTHESIA CARE START TIME		
27-38	12	.2;4	.24	32;16	335.5	ANESTHESIA CARE END TIME		
		1;1	136.01,.01	OP;3	8.1	PRIN. PROCEDURE CPT MODIFIERS		

Line B Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
39-40	2					MODIFIER #1		
41-42	2					MODIFIER #2		
43-44	2					MODIFIER #3		
45-46	2					MODIFIER #4		
47-48	2					MODIFIER #5		
		3,1;1	136.31,.01	11;3	139.017,2	OTHER PROCEDURE CPT MODIFIERS  For OTHER PROCEDURE CPT #1		
49-50	2					MODIFIER #1		
51-52	2					MODIFIER #2		
53-54	2					MODIFIER #3		
55-56	2					MODIFIER #4		
57-58	2					MODIFIER #5		
		3,1;1	136.31,.01	11;3	139.017,2	OTHER PROCEDURE CPT MODIFIERS  For OTHER PROCEDURE CPT #2		
59-60	2					MODIFIER #1		
61-62	2					MODIFIER #2		
63-64	2					MODIFIER #3		
65-66	2					MODIFIER #4		
67-68	2					MODIFIER #5		
		3,1;1	136.31,.01	11;3	139.017,2	OTHER PROCEDURE CPT MODIFIERS  For OTHER PROCEDURE CPT #3		
69-70	2					MODIFIER #1		
71-72	2					MODIFIER #2		

Line B Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
73-74	2					MODIFIER #3		
75-76	2					MODIFIER #4		
77-78	2					MODIFIER #5		
		3,1;1	136.31,.01	11;3	139.017,2	OTHER PROCEDURE CPT MODIFIERS  For OTHER PROCEDURE CPT #4		
79-80	2					MODIFIER #1		
81-82	2					MODIFIER #2		
83-84	2					MODIFIER #3		
85-86	2					MODIFIER #4		
87-88	2					MODIFIER #5		
		3,1;1	136.31,.01	11;3	139.017,2	OTHER PROCEDURE CPT MODIFIERS  For OTHER PROCEDURE CPT #5		
89-90	2					MODIFIER #1		
91-92	2					MODIFIER #2		
93-94	2					MODIFIER #3		
95-96	2					MODIFIER #4		
97-98	2					MODIFIER #5		
		3,1;1	136.31,.01	11;3	139.017,2	OTHER PROCEDURE CPT MODIFIERS  For OTHER PROCEDURE CPT #6		
99-100	2					MODIFIER #1		
101-102	2					MODIFIER #2		
103-104	2					MODIFIER #3		



Line B Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes Code Stands for
		Global	Field	Global	Field		
105-106	2					MODIFIER #4	
107-108	2					MODIFIER #5	
		3,1;1	136.31,.01	11;3	139.017,2	OTHER PROCEDURE CPT MODIFIERS  For OTHER PROCEDURE CPT #7	
109-110	2					MODIFIER #1	
111-112	2					MODIFIER #2	
113-114	2					MODIFIER #3	
115-116	2					MODIFIER #4	
117-118	2					MODIFIER #5	
		3,1;1	136.31,.01	11;3	139.017,2	OTHER PROCEDURE CPT MODIFIERS  For OTHER PROCEDURE CPT #8	
119-120	2					MODIFIER #1	
121-122	2					MODIFIER #2	
123-124	2					MODIFIER #3	
125-126	2					MODIFIER #4	
127-128	2					MODIFIER #5	
		3,1;1	136.31,.01	11;3	139.017,2	OTHER PROCEDURE CPT MODIFIERS  For OTHER PROCEDURE CPT #9	
129-130	2					MODIFIER #1	
131-132	2					MODIFIER #2	
133-134	2					MODIFIER #3	
135-136	2					MODIFIER #4	

Line B Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
137-138	2					MODIFIER #5		
		3;1;1	136.31,.01	11;3	139.017,2	OTHER PROCEDURE CPT MODIFIERS  For OTHER PROCEDURE CPT #10		
139-140	2					MODIFIER #1		
141-142	2					MODIFIER #2		
143-144	2					MODIFIER #3		
145-146	2					MODIFIER #4		
147-148	2					MODIFIER #5		
149	1	6;8;2	130.06,42	2;7	193	INTUBATED? (Y/N)	Y YES N NO	
150-151	2			20;34	418	NUMBER OF TRACHEOSTOMY		
152-153	2			20;35	419	NUMBER OF NEW MECH. CIRCULATORY SUP.		
154-155	2			20;37	423	NUMBER OF ORGAN/SPACE SSI		
156-157	2			20;38	424	NUMBER OF OTHER WOUND OCCURRENCES		

Line B Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes
		Global	Field	Global	Field		Code
158-159	2	.1;10	.166	1;16	13.1	ATTENDING CODE	1 OLD0 - 0. STAFF ALONE 2 OLD1 - 1. ATTENDING IN O.R. 3 OLD2 - 2. ATTENDING IN O.R. SUITE 4 OLD3 - 3. ATTENDING NOT PRESENT, BUT AVAILABLE 5 LEVEL 0. ATTENDING DOING THE OPERATION 6 LEVEL 1. ATTENDING IN O.R. ASSISTING THE RESIDENT 7 LEVEL 2. ATTENDING IN O.R., NOT SCRUBBED 8 LEVEL 3. ATTENDING NOT PRESENT IN O.R. SUITE, IMMEDIATELY AVAILABLE 9 LEVEL A: ATTENDING DOING THE OPERATION 10 LEVEL B: ATTENDING IN O.R., SCRUBBED 11 LEVEL C: ATTENDING IN O.R., NOT SCRUBBED 12 LEVEL D: ATTENDING IN O.R. SUITE, IMMEDIATELY AVAILABLE 13 LEVEL E: EMERGENCY CARE, ATTENDING CONTACTED ASAP 14 LEVEL F: NON-OR PROCEDURE DONE IN OR, ATTENDING IDENTIFIED 99 NOT ENTERED
160-166	7			0;26	436	DATE OF BIRTH	
167-174	8	0;3(136)	.03(136)	0;20	99	POSTOP DIAGNOSIS ICD CODE	
175-176	2			20;42	442	NUMBER OF C. DIFFICILE COLITIS	
177-178	2			20;43	447	NUMBER OF POSTOP ATRIAL FIBRILLATION	

Line B Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
179-190	12	.2;10	.205	32;18	334.5	TIME PAT IN OR		
191-202	12	.2;12	.232	32;10	334	TIME PAT OUT OR		
203-214	12	.2;2	.22	0;13	75	DATE/TIME OPERATION BEGAN		
215-226	12	.2;3	.23	0;21	182	DATE/TIME OPERATION ENDED		
227	1	16;8	130.22,9	7;9	111	STROKE/CVA	1 NO SYMPTOMS 2 <24 HOURS 3 24-72 HOURS 4 >72 HOURS	

#### Line D of the 1-Liner Transmission Layout

Line D Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
15-26	12	.9;1	612	.9;1	612	ORIGINAL DESIRED PROCEDURE DATE		
27-38	12	.9;2	613	.9;2	613	D/T OF DESIRED PROCEDURE DATE ENTRY		
39-50	12	.9;3	614	.9;3	614	ORIGINAL SCHEDULED DATE		
51-62	12	.9;4	615	.9;4	615	D/T OF SCHEDULED DATE ENTRY		
63-74	12	.9;5	616	.9;5	616	DESIRED PROCEDURE DATE		
75-86	12	.9;6	617	.9;6	617	SCHEDULED DATE		
87-98	12	30;1	17	22;3	619	CANCEL DATE		

Line D Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
99-102	4	31;8	18	22;4	620	CANCEL REASON	1010	PATIENT RELATED ISSUE
							1011	ENVIRONMENTAL ISSUE
							1012	STAFF ISSUE
							1013	PATIENT HEALTH STATUS
							1014	CLIN URGENT/EMERGENT CASE
							1015	SCHED ISSUES NON EMERGENT CASE
							1016	UNAVAILABLE BED
							1017	UNAVAILABLE EQUIP EXCLUDE RME
							1018	UNAVAILABLE REUSABLE EQUIP- RME
							1019	CASE MOVED TO EARLIER DATE
103-152	50	30;4	19	22;5	621	CANCELLATION COMMENTS		
153-154	2	VER;7	600	VER;7	600	CONFIRM PATIENT IDENTITY	Y	YES
							N	NO
155-156	2	VER;8	601	VER;8	601	PROCEDURE TO BE PERFORMED	Y	YES
							N	NO
157-158	2	VER;9	602	VER;9	602	SITE OF PROCEDURE	Y	YES
							N	NO
159-160	2	VER;10	603	VER;10	603	CONFIRM VALID CONSENT	1	YES, i-MED
							2	YES, PAPER
							3	YES, TELEPHONE
							4	NO, EMERGENCY
							5	NO, NOT EMERGENCY
161-162	2	VER;11	604	VER;11	604	CONFIRM PATIENT POSITION	Y	YES
							N	NO
163-164	2	VER;12	605	VER;12	605	MARKED SITE CONFIRMED	Y	YES
							N	NO

Line D Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
165-166	2	VER;13	606	VER;13	606	PREOPERATIVE IMAGES CONFIRMED	Y	YES
							N	NO
							NA	NOT APPLICABLE
167-168	2	VER;14	607	VER;14	607	CORRECT MEDICAL IMPLANTS	Y	YES
							N	NO
							NA	NOT APPLICABLE
169-170	2	VER;15	608	VER;15	608	ANTIBIOTIC PROPHYLAXIS	Y	YES
							N	NO
							NA	NOT APPLICABLE
171-172	2	VER;16	609	VER;16	609	APPROPRIATE DVT PROPHYLAXIS	Y	YES
							N	NO
							NA	NOT APPLICABLE
							NI	NOT INDICATED
173-174	2	VER;17	610	VER;17	610	BLOOD AVAILABILITY	Y	YES
							N	NO
							NI	NOT INDICATED
175-176	2	VER;18	611	VER;18	611	AVAILABILITY OF SPECIAL EQUIP	Y	YES
							N	NO
							NA	NOT APPLICABLE
177-206	30	0;2	.02	6;1	.02	OP ROOM PROCEDURE PERFORMED	(Name of OR)	
207-208	2	52;1	619	6;5	449	IMMED USE - CONTAMINATION	(0 to 99)	
209-210	2	52;2	620	6;6	450	IMMED USE - SPS/OR MGT ISSUE	(0 to 99)	
211-212	2	52;3	621	6;7	451	IMMED USE - EMERGENCY	(0 to 99)	
213-214	2	52;4	622	6;8	452	IMMED USE -NO BETTER OPTION	(0 to 99)	
215-216	2	52;5	623	6;9	453	IMMED USE - LOANER	(0 to 99)	
217-218	2	52;6	624	6;10	454	IMMED USE - DECONTAMINATION	(0 to 99)	

Line D Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
219-221	3	25;1	44	182;4	375	SPONGE FINAL COUNT CORRECT	Y YES N NO, SEE NURSING CARE COMMENTS NA NOT APPLICABLE	
222-224	3	25;2	45	182;5	376	SHARPS FINAL COUNT CORRECT	Y YES N NO, SEE NURSING CARE COMMENTS NA NOT APPLICABLE	
225-227	3	25;3	46	182;6	377	INSTRUMENT FINAL COUNT CORRECT	Y YES N NO, SEE NURSING CARE COMMENTS NA NOT APPLICABLE	
228	1	25;6	630	182;7	378	POSSIBLE ITEM RETENTION	Y YES N NO	
229	1	25;7	633	182;8	379	WOUND SWEEP	Y YES N NO	
230	1	25;8	636	182;9	463	INTRA-OPERATIVE X-RAY	Y YES N NO	
231-233	3			182;10	464	NUM of PROSTHESIS INSTALLED entries	(0 to 999)	
234-236	3			182;11	465	# of "Yes" answers to the PROVIDER READ BACK PERFORMED field	(0 to 999)	
237	1	30;5	17.5	182;12	466	CANCELLATION TIMEFRAME	1 SURGERY CANCELLED <48 HRS BEFORE SCHEDULED SURGERY  2 SURGERY CANCELLED >48 HRS BEFORE SCHEDULED SURGERY	
238-240	3	.4;6	.46	182;19	478	OP DISPOSITION	0 OUTPATIENT/DISCHARGE I ICU S STEPDOWN W WARD OBS OBSERVATION UNIT M MORGUE	

Line D Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
241-242	2			182;13	467	NUMBER OF SYMPTOMATIC UTI OCCURRENCES	(0 to 99)	
243-244	2			182;14	468	NUMBER OF MECHANICAL VENT W/N 30 DAYS OCCURRENCES  **will not be used after SR*3*184	(0 to 99)	

**Line E of the 1-Liner Transmission Layout – no longer used after SR\*3.0\*184**

Line E Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
15-26	12	211;54	742	184;13	130	D/T PAT ARRIVES HOSP DAY SURG  **Will not be used after SR*3*184		
27-38	12	211;55	743	184;14	132	D/T PAT LEAVES HOSP DAY SURG  **Will not be used after SR*3*184		
39-45	7	130.0647, .01		184;15	134	ORGAN TO BE TRANSPLANTED  **Will not be used after SR*3*184	1 HEART, 2 LUNG, 3 KIDNEY 4 LIVER, 5 PANCREAS 6 INTESTINE, 7 OTHER	
46-55	10	VER1;2	648	184;16	137	UNOS NUMBER  **Will not be used after SR*3*184	1-10 chars	
56-57	2	VER1;3	649	184;17	154	DONOR SEROLOGY HCV  **Will not be used after SR*3*184	Y YES N NO NA NOT APPLICABLE	



Line E Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
58-59	2	VER1;4	650	184;18	186	DONOR SEROLOGY HBV  **Will not be used after SR*3*184	Y YES N NO NA NOT APPLICABLE	
60-61	2	VER1;5	651	184;19	199	DONOR SEROLOGY CMV  **Will not be used after SR*3*184	Y YES N NO NA NOT APPLICABLE	
62-63	2	VER1;6	652	184;20	205	DONOR SEROLOGY HIV  **Will not be used after SR*3*184	Y YES N NO NA NOT APPLICABLE	
64	1	VER1;7	653	184;21	214	DONOR ABO TYPE  **Will not be used after SR*3*184	1 A RH(+) 2 A RH(-) 3 B RH(+) 4 B RH(-) 5 AB RH(+) 6 AB RH(-) 7 O RH(+) 8 O RH(-)	
65	1	VER1;8	654	184;22	215	RECIPIENT ABO TYPE  **Will not be used after SR*3*184	1 A RH(+) 2 A RH(-) 3 B RH(+) 4 B RH(-) 5 AB RH(+) 6 AB RH(-) 7 O RH(+) 8 O RH(-)	
66	1	VER1;9	655	184;23	220	BLOOD BANK ABO VERIFICATION  **Will not be used after SR*3*184	Y YES N NO	
67-78	12	VER1;19	747	182;31	640	D/T BLOOD BANK ABO VERIF  **Will not be used after SR*3*184		

Line E Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
79	1	VER1;10	656	184;24	222	OR ABO VERIFICATION  **Will not be used after SR*3*184	Y YES N NO	
80-91	12	VER1;21	749	184;33	624	D/T OR ABO VERIF  **Will not be used after SR*3*184		
92-121	30	VER1;11	657	184;34	625	SURGEON VERIFYING UNET  **Will not be used after SR*3*184	Name field	
122	1	VER1;22	750	184;35	626	UNET VERIF BY SURGEON  **Will not be used after SR*3*184	Y YES N NO	
123	1	VER1;12	658	184;36	627	ORGAN VER PRE- ANESTHESIA  **Will not be used after SR*3*184	Y YES N NO	
124-153	30	VER1;23	751	184;37	628	SURGEON VER ORGAN PRE-ANES  **Will not be used after SR*3*184	Name field	
154-183	30	VER1;13	659	182;20	629	SURGEON VER DONOR ORG PRE- ANES  **Will not be used after SR*3*184	Name field	
184-185	2	VER1;24	752	182;21	630	DONOR ORG VER PRE-ANES  **Will not be used after SR*3*184	Y YES N NO NA NOT APPLICABLE	

Line E Position	Length	File 130		File 139		Field Name	Set of Codes or Other Notes	
		Global	Field	Global	Field		Code	Stands for
186-187	2	VER1;14	660	182;22	631	ORGAN VER PRE- TRANSPLANT  **Will not be used after SR*3*184	Y YES N NO NA NOT APPLICABLE	
188-217	30	VER1;25	753	182;23	632	SURGEON VER ORG PRE- TRANSPLANT  **Will not be used after SR*3*184	Name field	
218	1	VER1;15	663	184;29	233	DONOR VESSEL USAGE  **Will not be used after SR*3*184	Y YES N NO	
219	1	VER1;16	665	184;30	234	DONOR VESSEL DISPOSITION  **Will not be used after SR*3*184	N NO DONOR VESSELS RECEIVED D DISCARDED R RETURNED TO OPO S STORED	

## Glossary

The following table provides definitions for common terms used in this manual.

**Table 8: Common Terms Defined**

<b>Term</b>	<b>Definition</b>
Risk Assessment	A module of the Surgery software that provides medical centers a mechanism to track information related to surgical risk and operative mortality. Completed assessments are transmitted to the NSQIP or the CICSP national database for statistical analysis.
1-Liner	This term is also known as abbreviated case record.
VASQIP	VA Surgical Quality Improvement Program.

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