

DataBridge DSIHX Surgery File Extract

**Interface Control Document**

March 2014 DSIHX Version: 1.2

Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| Date | Version | Description | Author |
| May 5, 2011 | V1.0 | Original | David Hugger |
| July 19, 2011 | V1.0 | Revision for proper formatting | John Tyler |
| July 28, 2011 | V1.0 | New fields and features added | David Hugger |
| August 25, 2011 | V1.0 | Extract Log Description added | David Hugger |
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# Introduction

Access to surgical records stored in the VHA’s VistA database is needed by third parties to perform data analysis. DataBridge meets this need by extracting records from the Surgery file in VistA and producing flat text files to be uploaded via FTP.

This ICD describes the extract process that DataBridge performs to output surgical records to text files that are uploaded to a Data Analytics reporting system. This includes a description of the Surgery file’s (#130) structure, its fields, naming conventions, the text files that are produced, along with the format of the extract files. The extracts can be run manually but are designed to be queued automatically to update the Analytics system with current information.

## Purpose

In order to perform correct analysis of data, it is imperative that it is interpreted correctly This ICD describes the formatting rules and data specifications to facilitate correct interpretation of the fields extracted from the Surgery file stored in the VistA database.

This ICD presents the software interface requirements for the DataBridge Surgery Extract process. It describes the concept of operations for the interface, defines the message structure and protocols which govern the interchange of data, and identifies the communication paths along which the data is expected to flow.

## Scope

This ICD specifies the format of the data fields extracted from the Surgery file in VistA by DataBridge. Upon formal approval of the extract process performed, this ICD shall be incorporated into the requirements baseline for this system. This document provides details on the functional, performance, and operational design requirements for the interface provided by DataBridge. This document describes the file parameters, and record layouts for the data that DataBridge receives from the VistA database. Additionally it describes the format and requirements to read extracted data. The Surgery Extract ICD will define the detailed interface requirements necessary for successful interpretation of extracted fields.

## System Identification

This ICD describes the interface used by DataBridge for the surgery extracts. DataBridge is the only system discussed. The interface used is not new, but has been modified to handle Word Processing and Multiple fields. Modification to the existing interface has been done with an attempt to follow the format of the existing interface as closely as possible to the original format as designed by Ann Chu and Ellen Zufall.

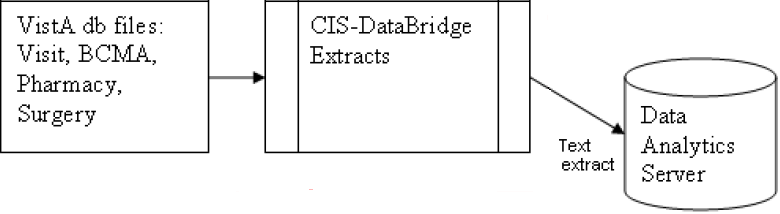
### DataBridge Monitor

|  |  |
| --- | --- |
| System | Details |
| Identification number |  |
| Title | DataBridge Monitor Surgery Extracts |
| Abbreviation | DSIHX |
| Version number | 1.2 |
| Point of Contact | David Hugger |

## Operational Agreement

There are no operational agreements with any outside parties as it pertains to the DataBridge Surgery extract process.

# Interface Definition



The existing interface DataBridge uses is one way. DataBridge reads the VistA database for records that meet the predefined criteria, stores the output in a temporary array, and then writes the records to a text file for use by other systems. This interface will continue to be used with modifications that accommodate word processing, and multiple fields.

The steps taken to perform the surgery extract are as follows:

1. Any previously extracted Surgery records stored in the DSIHX SURG REC TRACKER file 19675.4 are gathered into a temporary array.
2. All new, un-extracted, surgery records are gathered whose DATE OF OPERATION field has a date that falls within the range defined by the user and placed into the temporary array.
   1. As this occurs, any case found with a DATE OF OPERATION less than 90 days old is entered into the DSIHX SURG REC TRACKER file 19675.4. This happens even if surgical update functionality is off, only field comparisons are disabled with this setting.
3. Each record that is added is identified as either an NON-OR or an OR surgical case. All NON-OR cases are marked with a 0 value, and OR cases are marked with a 1 value. The array is ordered by this value so that the records are grouped by their OR status.
4. While gathering records for extraction get Facility Station Number for each record and include this value in extracted records.
5. It then iterates through the temporary array created in steps 1-2 , collecting fields from the surgery file for each record included in the array.
6. The data collected is in turn placed in its own temporary array, which is used to write the extract files. Please note that if Surgery record update functionality is enabled the following factors should be considered:
   1. If Surgery record updates are turned on, any record less than 90 days old will only extract field changes and field deletions after its initial extraction.
   2. If records older than 90 days are extracted the entire record will be extracted as field comparison are not performed on such records

## System Overview

This ICD describes the system responsible for gathering surgical records from the VistA database and storing the data in text files for retrieval by other systems. This process is shown below.

DSIHX SURG REC TRACKER (previously extracted records < 90 days old)

^DSIH(19675.4,IEN,0)=DFN^3130417.08

^DSIH(19675.4,IEN,"QSURG",0) = ^^1^1^3130622

^DSIH(19675.4,IEN,"QSURG",1,0) = ^^^^^10000000032^10000000048^10000000248

^DSIH(19675.4,IEN,"QSURG1",0) = ^^1^1^3130622

^DSIH(19675.4,IEN,"QSURG1",1,0) = ^^^^^^^^^^^^^^^^^^^^^^NO^NO^NO^NO^NO^^ NO^ …

^DSIH(19675.4,….

VistA DB surgical records

^SRF(IEN,0)=DFN^2^J^3^C^Y^5^LBR^3110107.155^...

^SRF(IEN,.2)=3110106.0844^3110106.0824^...

^SRF(IEN,.3)=10000000251^11748^10000000250^1...

^SRF(IEN,.4)=99:59^R^5^999^^9^R…..

^SRF…

CIS Databridge Extract Process

F(.01)=DFN

F(.02)=1

F(.03)=J

F(.04)=3

F(.05)=C

F(38)=Y

F(.07)=5

F(.08)=LBR

F(.09)= 3110107.155

Extracted Surgical record text files

DFN^IEN^OR^Visit^ClassifEntered(Y/N)^SvcConnect^….

nnn^nnnnn^n^JAN 06,2011@08:20^YES^YES^YES^YES^YES^OR1^EMERGENCY^….

DataBridge DSIHX will scan both the Surgery (130) and the DSIHX SURG REC TRACKER (19675.4) files within VistA collecting records that fall within a supplied date range into a temporary array, which is then output to text files for retrieval. Please note file 19675.4 is only used if Surgery Updates are turned on.

## Interface Overview

DataBridge outputs all records collected from the VistA database to text file. After record retrieval is complete, the data is stored in text files, and placed in a predefined HFS directory. The naming convention used for all surgery extract files generated is “stationnumber\_yymmdd\_hhmmss\_QSURG\*.txt”, where station number refers to the IEN of the site name. All files will be created, even if there is no data to output. If data is output to a text file, that file will contain a “header” line of text, referred to as the header row, that contains a header name for each field of data extracted, followed by the data type header row in the 2nd line of text, which is followed by 1 or more lines of text which are the rows of data generated from the extract routine. The header name is an abbreviated form of the actual field name. All header names and data field values are delimited by the caret (“^”) symbol. All Surgery records extracted will begin with the DFN (the IEN of the patient), the IEN of the surgical case, and the OR status of the surgical case. Correspondingly, all header rows will begin with “DFN^IEN^OR”. All extracted rows of data will end with the Facility Station Number that the record is associated with. Header rows describe the contents of each field extracted in the data row. To find the name used in the header row for a particular field in a data row simply count to the same number of field names in the header row.

1 2 3 4 5 6 7

DFN^IEN^OR^PreopPttDt^PreopHematocritDt^PreopGlucDt^PreopKDt^…

1 2 3 4 5 6 7

num^num^num^date^date^date^date^….

1 2 3 4 5 6 7

*nnnn*^*nnnnn*^*n*^5/6/2011^5/6/2011^5/6/2011^5/6/2011^…

In the same manner the data header row describes the type of data expected from each field extracted. As with the header row, the data type header row describes the type of data expected in the same position of each line of data that follows.

## Operations

There is no direct user interaction in this interface. The triggering event occurs when a user chooses to manually start an extract, or a scheduled run begins.

The DSIHXS EXTRACT PARAMETERS file allows the user to define the date ranges, pause parameters, extract output location, and FTP location for DSIHX extracts. Additionally, the user may configure any number of Extract Parameter records in the DSIHXS EXTRACT PARAMETERS file to use for scheduling automated extracts, especially Surgery extracts. This is completed by using the DSIHXS CONFIG option under the DSIHX DATABRIDGE DL MENU and choosing the “CDE” sub-menu option.

Using this option a user can configure the extracts to run as described above. Additional setting include: whether or not Surgery extract field updates and deletions will be reported, and which extracts will run during a scheduled TaskMan automated extract run. The ability to create multiple Parameter Names in this file gives a user more control on how to schedule DSIHX DataBridge Extracts..

This is accomplished by defining an “EXTRACT NAME” to describe one of the five extract types: (BCMA, PCE, PHARMACY, PTF, or SURGERY) you want to enable/disable under an existing or newly defined Extract Parameter record (e.g. CRITICAL CARE); and then setting the DISABLE field under the chosen Extract Parameter Name record multiple field to ‘TRUE’ for the particular Extract type you want to skip. This can be done for a single or multiple Extract Types for as many Extract Parameter records a user needs to define. By default, all extract types will be extracted.

The example below illustrates the above steps implemented for Surgery under the CRITICAL CARE Extract Parameter record as well as general settings for the DSIHX Data Analytics package. Please note that each Extract Parameter record that is defined in the DSIHXS EXTRACT PARAMETERS file will need to be configured to enable Surgery updates/deletes or to skip specific Extract types. See the Technical manual for further details on how to configure Extract Parameter records.

CDE Configure Data Extract Parameters

FEM ICU Manual Extract Full

BCMA Extract manual BCMA--all records

PCE Data Extraction--PCE only

PHAR Data Link extract--Pharm Profile only

PTF Data Extraction--PTF only

SC Data Link extract--Surgery file 130 only

Select Data Analytics Manual options <TEST ACCOUNT> Option: CDE Configure Data

Extract Parameters

Select DSIHXS EXTRACT PARAMETERS NAME: CRITICAL CARE—This is the Extract Parameter Record’s Name

Are you adding 'CRITICAL CARE' as

a new DSIHXS EXTRACT PARAMETERS (the 1ST)? No// Y (Yes)

NAME: CRITICAL CARE//

DATA FILE PATH**:** User supplied path to extracts goes here (e.g.”C:\Extracts”) value depends on OS

BEGINNING DATE SPAN: 1D

ENDING DATE SPAN: 1D

NEW RECORD PRE DAYS: 90

FTP COM FILE DIRECTORY:

Select ICU WARD NAME: ICU/CCU

Are you adding 'ICU/CCU' as a new ICU WARD NAME (the 1ST for this DSIHXS EXTRA

CT PARAMETERS)? No// Y (Yes)

Select ICU WARD NAME:

PCE INCREMENT COUNT: 50000

PCE pause in seconds: 1

BCMA INCREMENT: 50000

BCMA PAUSE IN SECONDS: 1

PHARMACY PROFILE INCREMENT: 50000

PHARMACY PROFILE PAUSE IN SEC: 2

Select EXTRACT NAME: SURGERY **This refers to the type of extract**

Are you adding 'SURGERY' as a new EXTRACT NAME (the 1ST for this DSIHXS EXTRAC

T PARAMETERS)? No// Y (Yes)

AUDIT FLAG: YES YES **set to YES to enable field level update/delete reporting**

DISABLE: FALSE FALSE **set to TRUE to skip this extract**

Select EXTRACT NAME:

**Please note the above example is just a suggestion on how to configure DSIHX extracts and should be modified to suit the facility running the extracts as appropriate. Please see the DSIHX Technical Manual for further details on DSIHX Extract Parameter settings.**

There are six support files related to running the Surgery extract. These are files 19673, 19675, 19675.1,19675.2, and 19675.4:

* File 19673-This file tracks the Taskman jobs that run to support the Data

Analytics portion of DataBridge. Each run of data creates an entry in the file with the Task job number stored. In addition the task number is stored in each record created in file 19675.1. In this manner it is possible to retrieve all of the file records associated with the original queued report.

* File 19675- This is the DSIHXS Extract Parameters file and it contains all of the parameters required to control the extraction of data.
* File 19675.1- This is the DSIHXS Extract Log file which stores a log of all entries extracted.
* File 19675.2- This is the DSIHXS Patient Registry file and it contains the list of patients included in the extraction process.
* File 19675.4-This is the DSIHX SURG REC TRACKER file that stores a copy of all extracted Surgery records less than 90 days old for the purpose of field comparison to file 130. This comparison is what allows DataBridge DSIHX to report on field level update and deletion for these records.
* File 19675.8-This is the PATIENT TABLE file that will collect Patient DFN numbers and Patient names and match them together for reference in a table provided in the PATTBL extract text file. This file will track patient names and DFN numbers for all Extract types collectively or individually depending on which Extract option is used.

See the DSIHX Sub-Build Technical Manual for a more detailed description of the above files.

## Data Transfer

All data read from the VistA database will be extracted to text files. The files will be placed in a FTP directory that has been defined in the DSIHXS EXTRACT PARAMETERS file. The file transfer is automated, and only scheduled to take place if there are new files to transfer

## Transaction Types

DataBridge outputs data to a FTP directory which the VISN warehouse will use to gather data.

## Data Exchanges

Once extracted data has been saved to text, and the text files placed in the predefined directory, they are available to be retrieved by authorized users and systems.

## Precedence and Criticality

Accurate surgery data is necessary to perform correct and detailed analysis of surgeries for the VA. It is important that all necessary data be available, and that this data is interpreted correctly. This ICD describes in detail the fields that are extracted from the Surgery file in order to facilitate correct data analysis.

## Communications Methods

DataBridge creates text files that are placed in an FTP directory. There are no other communication methods used by DataBridge to transfer surgery extract data at this time.

## Performance Requirements

There is the potential for very large amounts of data to be transferred, and it is recommended that extract files are transferred in a high speed networked environment. Running extracts after business hours is also recommended to avoid the potential of degrading overall system performance. Special caution should be applied to running or scheduling multiple extract task jobs due to potentially high CPU and system memory requirements over extended periods of time.

## Security

There are no security requirements for the DataBridge surgery extract interface at this time. All data security actions must occur outside of this interface.

# Interface Requirements

There is only one interface provided by DataBridge concerning Surgery extracts. This interface requires no direct user interaction. However, there must be an entry in the DSIHXS EXTRACT PARAMETERS file for the purposes of scheduling the extracts to run at a later time. See section 2.3 of this document or the DSIHX Technical Manual for information on this file and how to add the necessary information needed to schedule the Surgery or other DSIHX extracts.

DSIHX Surgery Extracts can be run manually through the DSIHX DATABRIDGE DL MENU option from within VistA. From within this menu the user will have the choice to run a full extract (FEM option) or just the Surgery extract (SC option). When running a full extract manually or just the Surgery extract using either option just mentioned, the user will be asked if “updates/deletes” are desired. This only applies to Surgery Extracts and if the user opts to run without this option then Surgery record extraction will occur without this filter and all fields will be extracted for all records within the defined date range. The user will be asked for a start date, and an end date. The user will also need to supply an Extract Parameter Record name (Critical Care, Critical Care Update, etc.) that must be defined within the DSIHXS EXTRACT PARAMETERS file. The user will also have the choice to send results, and move the patients included in the extract into a registry. The user is prompted for a time to run the extracts, and defaults to run immediately.

>>D ^XUP **\*\***

Setting up programmer environment

This is a TEST account.

Terminal Type set to: C-VT320

You have 513 new messages.

Select OPTION NAME: DSIHX

1 DSIHX DATABRIDGE DL MENU Data Analytics Manual options

2 DSIHX EXTRACT ALL BCMA Extract manual BCMA--all records

3 DSIHX PCE EXTRACT Data Extraction--PCE only

4 DSIHX PHARM PROFILE EXTRACT Data Link extract--Pharm Profile only

5 DSIHX PTF EXTRACT Data Extraction--PTF only

Press <RETURN> to see more, '^' to exit this list, OR

CHOOSE 1-5: 1 DSIHX DATABRIDGE DL MENU Data Analytics Manual options

CDE Configure Data Extract Parameters

FEM ICU Manual Extract Full

BCMA Extract manual BCMA--all records

PCE Data Extraction--PCE only

PHAR Data Link extract--Pharm Profile only

PTF Data Extraction--PTF only

SC Data Link extract--Surgery file 130 only

You have PENDING ALERTS

Enter "VA to jump to VIEW ALERTS option

Select Data Analytics Manual options <TEST ACCOUNT> Option: SC Data Link extrac

t--Surgery file 130 only

This identifies patients with OR and non-OR procedures in the date range

and extracts Surgery file information.

Extract Surgery record updates/deletes?: NO//

Enter START date for extract: T (MAR 11, 2014)

Enter END date for extract: T (MAR 11, 2014)

Select Extract Group: CR

1 CRITICAL CARE

2 CRITICAL CARE UPDATE

CHOOSE 1-2: 1 CRITICAL CARE

Data file directory is C:\TEMP

FTP com file directory

Transmit results to Critical Care Warehouse? Y// ES

Move patients into registry? Y// ES

Requested Start Time: NOW// (MAR 11, 2014@13:29:40)

Task #6552599 queued!

**\*\* Example only**

## Surgery Extract Interface Requirements

DataBridge outputs all extracted records to text files in variable length, delimited format. DataBridge will create 76 surgery extract files that collectively contain 807 of the total 879 fields that comprise the Surgery file. At this time, the 72 fields excluded are either relatively new, obsolete, or intentionally omitted. It is necessary that the interfacing system be able to open text files, correctly interpret the first line of text as the header, the second line of text as the data type header, and correctly parse each element of the extract. The following section describes the various elements of the DataBridge Surgery Extract Interface.

### Interface Processing Time Requirements

There are no time processing requirements for the DataBridge Surgery Extract interface at this time. Running the extract process after hours is recommended. It has been reported that a full DSIHX Extract run can take an average of 5-6 hours when using a one day date range, run times exceeding 24 hours have been reported using a date range of a month. Using multiple Extract Parameter records for more advanced scheduling is one way to mitigate the lengthy extract completion times, see section 2.3 for more details concerning this. Due to the potential of records being updated after they have been extracted it is recommended that Surgery Update/Deletion Reporting be enabled, or alternatively that extracts be scheduled to include a date range that is the typical length of time a surgery file stays open (usually seven days). To extract records older than 90 days, the use of the DSIHX AUTO EXTRACT UPDATE option is recommended. With Surgery Update/Delete reporting enabled, any record less than 90 days will automatically report on extracted field changes or deletions.

### Message/File Requirements

The DSIHX DataBridge Extract package will perform Surgery extracts from user requests and during scheduled times. All 76 text files will be created even if there is no data to output. In this case, both a header and data-header row will be created, but the extract text file will be otherwise blank. If there is data, surgical records will be extracted to all rows that occur after the data-header. Each line of text after the second represents a unique record extracted for that particular extract text file.

#### Data Assembly Characteristics

DataBridge uses text files to send results of data extract to outside systems. All text files created use the same naming convention:

stationnumber\_yymmdd\_hhmmss\_filename.txt.

1.stationnumber - Internal entry number (IEN) of the site name.

2. yymmdd\_hhmmss - Time stamp of extract run

3. filename – name used for each file created. DataBridge names all Surgery extract files “QSURG\*” with the exception of the DUZ/Provider Name table which is named PROVTBLE. The asterisk in QSURG signifies where the name varies.

#### Field/Element Definition

There are 6 distinct data types that the fields extracted consist of. The following table describes the data types used in a surgery extract file. Date and text data types contain sub-types which are described here as well.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Data Type** | **Precision** | **Range** | **Min char size** | **Max char size** | **Technical Name** |
| Date | MM/DD/YYYY | 01/01/1800 to 12/31/2699 | 8 | 10 | Date/Time |
| Date | MM/DD/YYYY@hh:mm | 01/01/1800 to 12/31/2699 | 14 | 16 | Date/Time |
| Date | MM/DD/YYYY@hh:mm:ss | 01/01/1800 to 12/31/2699 | 17 | 19 | Date/Time |
| Numeric | 99999999999999 | -1E14 to 1E15 exclusive | 1 | 15 | Numeric |
| Code | N/A | N/A | 1 | 20 | Set of Codes |
| Text | N/A | N/A | 1 | 250 | Free Text |
| Text | N/A | N/A | 1 | ∞ | Word-Processing |
| Computed | N/A | N/A | 1 | 250 | Computed |
| Pointer | N/A | N/A | 1 | 250 | Pointer to a File |

Surgery extract files will be output using the following described elements. All surgery extract files have DFN values, IEN values, OR values, Facility Station Number, a header, a data type header, and a message body. 59 of the surgery extract files will also have SUBIEN values. Of those 59 extract files, 10 have SUBSUBIEN values.

**DFN –** The **I**nternal **E**ntry **N**umber of a record in the Patient File (#2). This is always the first value of every record extracted.

**IEN-** Internal Entry Number of the current record in file 130, this number is used internally to identify record entries in the Surgery file. This will be the second value of every record extracted in every file.

**OR-** This field marks a surgical case record as 1 for OR, and 0 for Non-OR, this field is always found in the third position of every surgical extract record.

**SUBIEN –** Internal entry number of a multiple field within the Surgery file which is used internally to distinguish sub-file record entries. This will be the third value for those extract files containing this value.

**SUBSUBIEN –** Internal entry number of a sub-multiple field within a “parent” multiple field in a VistA file. This is the fourth value of every record extracted with such a value. Please note that the only surgery extract files that contain this value all end with a letter in the name of the file The current extract file names generated with this value are as follows:

* QSURGN6A
* QSURGN6B
* QSURGN6C
* QSURGN13A
* QSURGN13B
* QSURGN19A
* QSURGN22A
* QSURGN23A
* QSURGN26A
* QSURGN45A

**Facility Station Number –** The last field extracted to every surgery record that is output during DSIHX Surgery record extraction. The source data for this field does not come directly from the Surgery file 130 but is linked through each surgery case to the Station Number field 99 in the Institution file 4. It is useful for determining the facility to which a given surgical record belongs in an integrated Vista Environment where several facilities share the Surgery file 130.

**Header**- The first line of text for all surgery extract files contains abbreviated names for all fields extracted, and should be used to match data extracted on following lines of text. All headers will contain DFN, IEN, OR, and Facility values which are used to identify patients, case records, case types, and the associated facility station number respectively. Many headers will also contain a SUBIEN number which identifies a particular instance of a multiple field within a record. Some headers will contain a SUBSUBIEN number which identifies a particular instance of a sub-multiple field contained within a “parent” multiple field. Each abbreviated field name is delimited by the caret (“^”) character and describes the data found in the same position for each row of data fields in the message body. The header row will end with a new line character.

**Data Type Header –** The second line of text contains the data types for each field extracted in a surgery extract file. There are six type of data extracted:

1. code – no abbreviation
2. computed – abbreviated “cmp”
3. date – abbreviated “dt”
4. numeric – abbreviated “num”
5. pointer – abbreviated “pntr”
6. text – abbreviated “txt”

**Message Body –** All lines of text following the Data Type Header consist of the data fields that have been extracted for all surgery records found both in file 19675.4 (with “Updates” turned on) and within the date range given. All data values in each line of text can be interpreted by matching the value to its header name (abbreviated field name), found in the first line of text of all surgery extract files, and all data types can be found by matching the same piece of data to the same piece found in the data type header. All data values are ordered to match the header (e.g. the fifth data value in any line of text found in the message body will have the name indicated in the fifth position of the header). As with the header, all data values are delimited by the caret (“^”) character, and all lines of text in the message body end with a new line character that indicates the end of that particular record.

**Provider Name Table –** Counted among the DSIHX DataBridge Sugary Extracts is the PROVTBL extract text file which is a table of Provider names as found in the New Person file matched to their DUZ values. This listing is limited to the providers included in the extracted surgery records and it is to be used as a reference to the extracted surgery records.

**Patient Name Table –**This extract file, named PATTBL in its textual form, serves as a reference to all other extracts including Surgery extracts. All DFNs extracted will be present in this file matched with their full names and birthdates.

**Extract Log –** In addition to the extract files an extract log text file is produced. It uses the same naming convention, but is named EXTRACTLOG instead of QSURG\*. It is presented in a similar format as the surgery extract files in that it contains a header row, a message body, and is delimited by the caret (“^”) character. It does not contain DFN, IEN, OR, SUBIEN, or SUBSUBIEN values. It also does not have a data type header. A formal description of the elements that comprise the extract log is included in Appendix A.

### Communication Methods

DataBridge extracts all data to text files to an FTP directory. There are no other communication methods used for the Surgery Extract.

# Interface Verification

The DataBridge team has tested every field extracted to verify that the correct data is being extracted in the order that is described in the header and in the documentation.

# Appendix A – Data Elements

There are 879 fields contained in the Surgery file. 72 of the fields are omitted at this time so that a total of 807 fields are extracted. Of those 807 fields, 75 are multiple fields that contain sub-fields and hold no data directly. There are 732 fields that are visibly extracted and they consist of:

10 computed fields

92 date fields

131 limited text fields

32 unlimited text fields

62 numeric fields

106 pointer fields

299 code fields

There are a total of 540 non-repeating fields and 192 repeating fields extracted. Repetition here refers to the fact that a record can have multiple instances of a particular field. The breakdown of these fields is as follows:

540 NON REPEATING FIELDS

10 computed fields

72 date fields

95 limited text fields

16 unlimited text fields

41 numeric fields

66 pointer fields

240 code fields

192 REPEATING FIELDS

0 computed fields

20 date fields

36 limited text

16 unlimited text fields

21 numeric fields

40 pointer fields

59 code fields

Below you will find tables describing all 732 fields currently extracted to text files. The fields are grouped and described in the same order as they are output.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURG | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | BOTH |  | Y |
| QSURG | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | BOTH |  | N |
| QSURG | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | BOTH |  | N |
| QSURG | 4 | AdmitPac(u)Time | ADMIT PAC(U) TIME | O | DATE | 0 | 16 | MM/DD/YYYY@hH:MM | OR |  | N |
| QSURG | 5 | Cardiomegaly | CARDIOMEGALY | O | CODE | 0 | 3 |  | OR | YES;NO | N |
| QSURG | 6 | Surgeon | SURGEON | R | POINTER | 3 | 35 |  | OR |  | N |
| QSURG | 7 | AttendSurg | ATTEND SURG | O | POINTER | 0 | 35 |  | OR |  | N |
| QSURG | 8 | AnesthesiologistSupvr | ANESTHESIOLOGIST SUPVR | O | POINTER | 0 | 35 |  | BOTH |  | N |
| QSURG | 9 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURG1 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURG1 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURG1 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | OR |  | N |
| QSURG1 | 4 | NumWithIma | NUMBER WITH IMA | O | NUMERIC | 0 | 10 |  | OR |  | N |
| QSURG1 | 5 | AorticValveReplc | AORTIC VALVE PROCEDURE | O | CODE | 0 | 3 |  | OR | YES;NONE  ;MECHANICAL  ;STENTED BIOPROSTHETIC  ;STENTLESS BIOPROSTHETIC  ;HOMOGRAFT  ;PRIMARY REPAIR  ;PRIMARY REPAIR & ANNULOPLASTY DEVICE  ;ANNULOPLASTY DEVICE ALONE  ;AUTOGRAFT (ROSS) | N |
| QSURG1 | 6 | MitralValveReplc | MITRAL VALVE PROCEDURE | O | CODE | 0 | 3 |  | OR | YES;NONE  ;MECHANICAL  ;STENTED BIOPROSTHETIC  ;STENTLESS BIOPROSTHETIC  ;HOMOGRAFT  ;PRIMARY REPAIR  ;PRIMARY REPAIR & ANNULOPLASTY DEVICE  ;ANNULOPLASTY DEVICE ALONE  ;AUTOGRAFT (ROSS) | N |
| QSURG1 | 7 | TricuspidValveReplc | TRICUSPID VALVE PROCEDURE | O | CODE | 0 | 3 |  | OR | YES;NONE  ;MECHANICAL  ;STENTED BIOPROSTHETIC  ;STENTLESS BIOPROSTHETIC  ;HOMOGRAFT  ;PRIMARY REPAIR  ;PRIMARY REPAIR & ANNULOPLASTY DEVICE  ;ANNULOPLASTY DEVICE ALONE  ;AUTOGRAFT (ROSS) | N |
| QSURG1 | 8 | ValveRepair | VALVE REPAIR | O | CODE | 0 | 17 |  | OR | YES; NO | N |
| QSURG1 | 9 | LvAneurysmectomy | LV ANEURYSMECTOMY | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURG1 | 10 | GreatVesselRepair(reqCpb) | GREAT VESSEL REPAIR (Y/N) | O | CODE | 0 | 3 |  | OR | YES; AORTIC; MITRAL; TRICUSPID; OTHER/COMBINATION; NONE; | N |
| QSURG1 | 11 | CardTransplant | CARDIAC TRANSPLANT | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURG1 | 12 | ElectrophysiologicProc | ELECTROPHYSIOLOGIC PROCEDURE | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURG1 | 13 | MiscCardProc | MISC. CARDIAC PROCEDURES | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURG1 | 14 | AsdRepair | ASD REPAIR | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURG1 | 15 | MyxomaResection | MYXOMA RESECTION | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURG1 | 16 | MyectomyIhss | MYECTOMY | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURG1 | 17 | OtherTumorResection | OTHER TUMOR RESECTION | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURG1 | 18 | VsdRepair | VSD REPAIR | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURG1 | 19 | ForeignBodyRemoval | FOREIGN BODY REMOVAL | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURG1 | 20 | Pericardiectomy | PERICARDIECTOMY | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURG1 | 21 | OtherProc(y/n) | OTHER PROCEDURES (Y/N) | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURG1 | 22 | OperativeDeath | OPERATIVE DEATH | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURG1 | 23 | PeriopMi | \*PERIPERATIVE MI | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURG1 | 24 | Endocard | ENDOCARDITIS | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURG1 | 25 | LowCardOutput>6Hours | LOW CARDIAC OUTPUT > 6 HOURS | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURG1 | 26 | Mediastinitis | MEDIASTINITIS | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURG1 | 27 | ReopBleeding | REOPERATION FOR BLEEDING | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURG1 | 28 | Stroke | \*STROKE | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURG1 | 29 | RepeatCardSurgProc | REPEAT CARDIAC SURG PROCEDURE | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURG1 | 30 | Coma>24HoursPostop | COMA > 24 HOURS POSTOP | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURG1 | 31 | CardArrestReqCpr | CARDIAC ARREST REQ CPR | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURG1 | 32 | CardSurgicalPriority | CARDIAC SURGICAL PRIORITY | O | CODE | 0 | 33 |  | OR | ELECTIVE; URGENT; EMERGENT (ONGOING ISCHEMIA); EMERGENT (HEMODYNAMIC COMPROMISE); EMERGENT (ARREST WITH CPR); | N |
| QSURG1 | 33 | SurgicalPriorityDt | SURGICAL PRIORITY, DATE | O | DATE | 0 | 16 | MM/DD/YYYY@hH:MM | OR |  | N |
| QSURG1 | 34 | MitralRegurgitation | MITRAL REGURGITATION | O | CODE | 0 | 8 |  | OR | NONE; MILD; MODERATE; SEVERE; NO STUDY | N |
| QSURG1 | 35 | NumWithOtherConduit | NUMBER WITH OTHER CONDUIT | O | NUMERIC | 0 | 10 |  | OR |  | N |
| QSURG1 | 36 | BatistaProcUsed(y/n) | BATISTA PROCEDURE USED (Y/N) | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURG1 | 37 | CardCatheterizationDt | CARDIAC CATHETERIZATION DATE | O | DATE | 0 | 16 | MM/DD/YYYY@hH:MM | OR |  | N |
| QSURG1 | 38 | MinimallyInvasiveProc(y/n) | MINIMALLY INVASIVE PROCEDURE (Y/N) | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURG1 | 39 | EmplStsPreop | EMPLOYMENT STATUS PREOPERATIVE | O | CODE | 0 | 20 |  | OR | EMPLOYED FULL TIME; EMPLOYED PART TIME; NOT EMPLOYED; SELF EMPLOYED; RETIRED; ACTIVE MILITARY DUTY; UNKNOWN; | N |
| QSURG1 | 40 | TtlIschemicTime | TOTAL ISCHEMIC TIME | O | NUMERIC | 0 | 10 |  | OR |  | N |
| QSURG1 | 41 | TtlCpbTime | TOTAL CPB TIME | O | NUMERIC | 0 | 10 |  | OR |  | N |
| QSURG1 | 42 | Hypertension | HYPERTENSION | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURG1 | 43 | NumWithRadialArt | NUMBER WITH RADIAL ARTERY | O | NUMERIC | 0 | 10 |  | OR |  | N |
| QSURG1 | 44 | NumWithOtherArt | NUMBER WITH OTHER ARTERY | O | NUMERIC | 0 | 10 |  | OR |  | N |
| QSURG1 | 45 | NewMechCirc | NEW MECHANICAL CIRCULATORY | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURG1 | 46 | IncisionType | INCISION TYPE | O | CODE | 0 | 28 |  | OR | FULL STERNOTOMY; FULL THORACOTOMY; LIMITED PARASTERNAL APPROACH; LIMITED STERNOTOMY; LIMITED THORACOTOMY; OTHER LIMITED SURG APPROACH; NO STUDY/UNKNOWN | N |
| QSURG1 | 47 | ConvertFromOffPumpToCpb | CONVERT FROM OFF PUMP TO CPB | O | CODE | 0 | 35 |  | OR | NO (began off-pump/ stayed off-pump); YES-PLANNED; YES-UNPLANNED; YES-UNKNOWN IF PLANNED; N/A (began on-pump/ stayed on-pump); NO STUDY/UNKNOWN | N |
| QSURG1 | 48 | DtPatExtubated | D/T PATIENT EXTUBATED | O | TEXT | 0 | 12 |  | OR |  | N |
| QSURG1 | 49 | DtPatDischFromIcu | D/T PATIENT DISCH FROM ICU | O | TEXT | 0 | 12 |  | OR |  | N |
| QSURG1 | 50 | CardSurgPerfNon-va | CARDIAC SURG PERFORMED NON-VA | O | CODE | 0 | 7 |  | OR | YES; NO; NO STUDY | N |
| QSURG1 | 51 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURG2 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURG2 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURG2 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | OR |  | N |
| QSURG2 | 4 | CardRiskPreopComments | CARDIAC RISK PREOP COMMENTS | O | TEXT | 0 | 130 |  | OR |  | N |
| QSURG2 | 5 | CardResourceDataComments | CARDIAC RESOURCE DATA COMMENTS | O | TEXT | 0 | 130 |  | OR |  | N |
| QSURG2 | 6 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURG3 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | BOTH |  | Y |
| QSURG3 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | BOTH |  | Y |
| QSURG3 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | BOTH |  | Y |
| QSURG3 | 4 | SUBIEN(.42) | N/A | R | NUMERIC | 1 | 15 |  | BOTH |  | N |
| QSURG3 | 5 | OtherProc | OTHER PROCEDURE | O | TEXT | 0 | 50 |  | BOTH |  | Y |
| QSURG3 | 6 | OtherProcCptCode | PLANNED OTHER PROC CPT CODE | O | POINTER | 0 | 5 |  | BOTH |  | Y |
| QSURG3 | 7 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURG4 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURG4 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURG4 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | OR |  | Y |
| QSURG4 | 4 | SUBIEN(1.14) | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURG4 | 5 | IntraoperativeOcc | INTRAOPERATIVE OCCURENCES | O | TEXT | 0 | 40 |  | OR |  | Y |
| QSURG4 | 6 | OutcomeToDt | OUTCOME TO DATE | O | CODE | 0 | 20 |  | OR | UNRESOLVED; IMPROVED; DEATH; WORSE | Y |
| QSURG4 | 7 | TreatmentInstituted | TREATMENT INSTITUTED | O | TEXT | 0 | 40 |  | OR |  | Y |
| QSURG4 | 8 | OccCategory | OCCURRENCE CATEGORY | R | POINTER | 3 | 60 |  | OR |  | Y |
| QSURG4 | 9 | IcdDxCode | ICD DIAGNOSIS CODE | O | POINTER | 0 | 7 |  | OR |  | Y |
| QSURG4 | 10 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURG5 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURG5 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURG5 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | OR |  | Y |
| QSURG5 | 4 | SUBIEN(1.16) | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURG5 | 5 | PostopOcc | POSTOP OCCURRENCE | O | TEXT | 0 | 40 |  | OR |  | Y |
| QSURG5 | 6 | OutcomeToDt | OUTCOME TO DATE | O | CODE | 0 | 20 |  | OR | UNRESOLVED; IMPROVED; DEATH; WORSE | Y |
| QSURG5 | 7 | DtCompNoted | DATE COMP NOTED | O | DATE | 0 | 16 | MM/DD/YYYY@hH:MM | OR |  | Y |
| QSURG5 | 8 | TreatmentInstituted | TREATMENT INSTITUTED | O | TEXT | 0 | 40 |  | OR |  | Y |
| QSURG5 | 9 | OccCategory | OCCURRENCE CATEGORY | R | POINTER | 3 | 60 |  | OR |  | Y |
| QSURG5 | 10 | IcdDxCode | ICD DIAGNOSIS CODE | O | POINTER | 0 | 7 |  | OR |  | Y |
| QSURG5 | 11 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURG6 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | BOTH |  | Y |
| QSURG6 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | BOTH |  | N |
| QSURG6 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | BOTH |  | N |
| QSURG6 | 4 | In/out-patientSts | IN/OUT-PATIENT STATUS | O | CODE | 0 | 10 |  | BOTH | INPATIENT; OUTPATIENT | N |
| QSURG6 | 5 | Major/minor | MAJOR/MINOR | O | CODE | 0 | 5 |  | OR | MAJOR; MINOR | N |
| QSURG6 | 6 | SurgSpecialty | SURGERY SPECIALTY | O | POINTER | 0 | 40 |  | OR |  | N |
| QSURG6 | 7 | \*attendingCode-NotUsed | ATTENDING CODE | O | CODE | 0 | 70 |  | BOTH |  | N |
| QSURG6 | 8 | TimePatInOr | TIME PAT IN OR | O | DATE | 0 | 16 | MM/DD/YYYY@hH:MM | OR |  | N |
| QSURG6 | 9 | TimeOperationBegan | TIME OPERATION BEGAN | O | DATE | 0 | 16 | MM/DD/YYYY@hH:MM | OR |  | N |
| QSURG6 | 10 | TimePatOutOr | TIME PAT OUT OR | O | DATE | 0 | 16 | MM/DD/YYYY@hH:MM | OR |  | N |
| QSURG6 | 11 | TimeOperationEnds | TIME OPERATION ENDS | O | DATE | 0 | 16 | MM/DD/YYYY@hH:MM | OR |  | N |
| QSURG6 | 12 | AnesCareEndTime | ANES CARE END TIME | O | DATE | 0 | 16 | MM/DD/YYYY@hH:MM | BOTH |  | N |
| QSURG6 | 13 | WoundClass | WOUND CLASSIFICATION | O | CODE | 0 | 20 |  | OR | CLEAN/CONTAMINATED; CONTAMINATED; DIRTY/INFECTED | N |
| QSURG6 | 14 | AsaClass | ASA CLASS | O | POINTER | 0 | 2 |  | BOTH |  | N |
| QSURG6 | 15 | Pac(u)DischTime | PAC(U) DISCH TIME | O | DATE | 0 | 16 | MM/DD/YYYY@hH:MM | OR |  | N |
| QSURG6 | 16 | PrincProc | PRINCIPAL PROCEDURE | R | TEXT | 3 | 135 |  | BOTH |  | N |
| QSURG6 | 17 | PrincProcCode | PLANNED PRIN PROCEDURE CODE | O | POINTER | 0 | 5 |  | BOTH |  | N |
| QSURG6 | 18 | ConcurrentCase | CONCURRENT CASE | O | POINTER | 0 | 10 |  | OR |  | N |
| QSURG6 | 19 | AnesCareStartTime | ANES CARE START TIME | O | DATE | 0 | 16 | MM/DD/YYYY@hH:MM | BOTH |  | N |
| QSURG6 | 20 | ReasonNoAssessment | REASON FOR NO ASSESSMENT | O | CODE | 0 | 19 |  | OR | NON-SURGEON CASE; ANESTHESIA TYPE; EXCEEDS MAX ASSMNTS; EXCEEDS MAX TURPS; STUDY CRITERIA; PREVIOUS CASE; SCNR ON A/L; PRIOR INDEX PROC; CONCURRENT CASE; EXCEEDS MAX HERNIAS | N |
| QSURG6 | 21 | CurrSmoker | CURRENT SMOKER | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURG6 | 22 | Pack/years | PACK/YEARS | O | TEXT | 0 | 5 |  | OR |  | N |
| QSURG6 | 23 | HxCopd | HISTORY OF COPD | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURG6 | 24 | VentilatorDependent | VENTILATOR DEPENDANT | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURG6 | 25 | PriorMi | PRIOR MI | O | CODE | 0 | 45 |  | OR | NONE; LESS THAN OR EQUAL TO 7 DAYS PRIOR TO SURGERY; GREATER THAN 7 DAYS PRIOR TO SURGERY | N |
| QSURG6 | 26 | CongestiveHeartFailure | CONGESTIVE HEART FAILURE | O | CODE | 0 | 30 |  | OR | CARDIAC DISEASE; NO LIMITATION; SLIGHT LIMITATION; MARKED LIMITATION; SYMPTOMS AT REST | N |
| QSURG6 | 27 | CurrentlyOnDialysis | CURRENTLY ON DIALYSIS | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURG6 | 28 | Ascites | ASCITES | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURG6 | 29 | PgyPrimarySurgeon | PGY OF PRIMARY SURGEON | O | NUMERIC | 0 | 10 |  | OR |  | N |
| QSURG6 | 30 | WtLoss>10% | WEIGHT LOSS > 10% | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURG6 | 31 | BleedingDisorders | BLEEDING DISORDERS | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURG6 | 32 | Transf>4RbcUnits | TRANSFUSION > 4 RBC UNITS | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURG6 | 33 | OpenWound | OPEN WOUND | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURG6 | 34 | PreopSepsis | PREOPERATIVE SEPSIS | O | CODE | 0 | 12 |  | OR | YES; NONE; SIRS; SEPSIS; SEPTIC SHOCK; NO STUDY | N |
| QSURG6 | 35 | PreopHemogl | PREOPERATIVE HEMOGLOBIN | O | TEXT | 0 | 7 |  | OR |  | N |
| QSURG6 | 36 | PreopCpk | PREOPERATIVE CPK | O | NUMERIC | 0 | 10 |  | OR |  | N |
| QSURG6 | 37 | PreopMbBand | PREOPERATIVE MB BAND | O | NUMERIC | 0 | 10 |  | OR |  | N |
| QSURG6 | 38 | PreopSrCr | PREOPERATIVE SERUM CREATININE | O | TEXT | 0 | 4 |  | OR |  | N |
| QSURG6 | 39 | PreopBun | PREOPERATIVE BUN | O | TEXT | 0 | 5 |  | OR |  | N |
| QSURG6 | 40 | PreopSrAlb | PREOPERATIVE SERUM ALBUMIN | O | TEXT | 0 | 4 |  | OR |  | N |
| QSURG6 | 41 | PreopSgpt | PREOPERATIVE SGPT | O | NUMERIC | 0 | 10 |  | OR |  | N |
| QSURG6 | 42 | PreopSgot | PREOPERATIVE SGOT | O | TEXT | 0 | 5 |  | OR |  | N |
| QSURG6 | 43 | PreopTtlBili | PREOPERATIVE TOTAL BILIRUBIN | O | TEXT | 0 | 5 |  | OR |  | N |
| QSURG6 | 44 | PreopAlkPhosphatase | PREOPERATIVE ALK PHOSPHATASE | O | TEXT | 0 | 5 |  | OR |  | N |
| QSURG6 | 45 | PreopWbc | PREOPERATIVE WBC | O | TEXT | 0 | 4 |  | OR |  | N |
| QSURG6 | 46 | PreopPlateletCount | PREOPERATIVE PLATELET COUNT | O | TEXT | 0 | 5 |  | OR |  | N |
| QSURG6 | 47 | PreopPt | PREOPERATIVE PT | O | TEXT | 0 | 4 |  | OR |  | N |
| QSURG6 | 48 | PreopPtt | PREOPERATIVE PTT | O | TEXT | 0 | 5 |  | OR |  | N |
| QSURG6 | 49 | PreopHematocrit | PREOPERATIVE HEMATOCRIT | O | TEXT | 0 | 4 |  | OR |  | N |
| QSURG6 | 50 | AssessmentSts | ASSESSMENT STATUS | O | CODE | 0 | 20 |  | OR | INCOMPLETE; COMPLETE; TRANSMITTED; NO ASSESSMENT | N |
| QSURG6 | 51 | DnrSts | DNR STATUS | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURG6 | 52 | PreopHemoglDt | PREOPERATIVE HEMOGLOBIN, DATE | O | DATE | 0 | 10 | MM/DD/YYYY | OR |  | N |
| QSURG6 | 53 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURG7 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURG7 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURG7 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | OR |  | N |
| QSURG7 | 4 | FuncHealthSts | FUNCTIONAL HEALTH STATUS | O | CODE | 0 | 19 |  | OR | INDEPENDENT; PARTIALLY DEPENDENT; TOTALLY DEPENDENT; UNKNOWN | N |
| QSURG7 | 5 | Etoh>2Drinks/day | ETOH > 2 DRINKS/DAY | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURG7 | 6 | LenPost-opStay | LENGTH OF POST-OP STAY | O | TEXT | 0 | 4 |  | OR |  | N |
| QSURG7 | 7 | SuperficialIncisionalSsi | SUPERFICIAL INCISIONAL SSI | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURG7 | 8 | DeepIncisionalSsi | DEEP INCISIONAL SSI | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURG7 | 9 | SystemicSepsis | SYSTEMIC SEPSIS | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURG7 | 10 | Pneumonia | PNEUMONIA | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURG7 | 11 | PulmEmbolism | PULMONARY EMBOLISM | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURG7 | 12 | OtherRespOcc | OTHER RESPITORY OCCURRENCE | O | POINTER | 0 | 7 |  | OR |  | N |
| QSURG7 | 13 | AcuteRenalFailure | ACUTE RENAL FAILURE | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURG7 | 14 | UrinaryTractInfection | URINARY TRACT INFECTION | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURG7 | 15 | PostopBleeding/transfusions | POSTOP BLEEDING/TRANSFUSIONS | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURG7 | 16 | MyocardialInfarction | MYOCARDIAL INFARCTION | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURG7 | 17 | PulmEdema | PULMONARY EDEMA | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURG7 | 18 | DtTransmitted | DATE TRANSMITTED | O | DATE | 0 | 16 | MM/DD/YYYY@hH:MM | OR |  | N |
| QSURG7 | 19 | Graft/prosthesis/flapFailure | GRAFT/PROSTHESIS/FLAP FAILURE | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURG7 | 20 | ReturnToOrWithin30Days | RETURN TO OR WITHIN 30 DAYS | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURG7 | 21 | Dvt/thrombophlebitis | DVT/THROMBPHLBETITUS | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURG7 | 22 | PreopK | PREOPERATIVE POTASSIUM | O | NUMERIC | 0 | 10 |  | OR |  | N |
| QSURG7 | 23 | DtAssessmentCompleted | DATE ASSESSMENT COMPLETED | O | DATE | 0 | 10 | MM/DD/YYYY | OR |  | N |
| QSURG7 | 24 | PreopGluc | PREOPERATIVE GLUCOSE | O | NUMERIC | 0 | 10 |  | OR |  | N |
| QSURG7 | 25 | HiSrNa | HIGHEST SERUM SODIUM | O | TEXT | 0 | 5 |  | OR |  | N |
| QSURG7 | 26 | HiK | HIGHEST POTASSIUM | O | TEXT | 0 | 3 |  | OR |  | N |
| QSURG7 | 27 | HiGluc | HIGHEST GLUCOSE | O | NUMERIC | 0 | 10 |  | OR |  | N |
| QSURG7 | 28 | HiSrCr | HIGHEST SERUM CREATININE | O | TEXT | 0 | 4 |  | OR |  | N |
| QSURG7 | 29 | HiCpk | HIGHEST CPK | O | TEXT | 0 | 6 |  | OR |  | N |
| QSURG7 | 30 | HiCpk-mb | HIGHEST CPK-MB | O | TEXT | 0 | 4 |  | OR |  | N |
| QSURG7 | 31 | HiTtlBili | HIGHEST TOTAL BILIRUBIN | O | TEXT | 0 | 5 |  | OR |  | N |
| QSURG7 | 32 | HiWbc | HIGHEST WBC | O | TEXT | 0 | 4 |  | OR |  | N |
| QSURG7 | 33 | LowSrAlb | LOWEST SERUM ALBUMIN | O | NUMERIC | 0 | 2 |  | OR |  | N |
| QSURG7 | 34 | LowHematocrit | LOWEST HEMATOCRIT | O | TEXT | 0 | 4 |  | OR |  | N |
| QSURG7 | 35 | OnVentilator>48Hours | ON VENTILATOR >48 HOURS | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURG7 | 36 | OtherUrinaryTractOcc | OTHER URINARY TRACT OCCURRENCE | O | POINTER | 0 | 7 |  | OR |  | N |
| QSURG7 | 37 | PeripNerveInjury | PERIPHERAL NERVE INJURY | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURG7 | 38 | PreopCpkDt | PREOPERATIVE CPK, DATE | O | DATE | 0 | 10 | MM/DD/YYYY | OR |  | N |
| QSURG7 | 39 | PreopMbBandDt | PREOPERATIVE MB BAND, DATE | O | DATE | 0 | 10 | MM/DD/YYYY | OR |  | N |
| QSURG7 | 40 | PreopSrCrDt | PREOP SERUM CREATININE, DATE | O | DATE | 0 | 10 | MM/DD/YYYY | OR |  | N |
| QSURG7 | 41 | PreopBunDt | PREOPERATIVE BUN, DATE | O | DATE | 0 | 10 | MM/DD/YYYY | OR |  | N |
| QSURG7 | 42 | PreopSrAlbDt | PREOP SERUM ALBUMIN, DATE | O | DATE | 0 | 10 | MM/DD/YYYY | OR |  | N |
| QSURG7 | 43 | SgptDtPerf | SGPT, DATE PERFORMED | O | DATE | 0 | 10 | MM/DD/YYYY | OR |  | N |
| QSURG7 | 44 | SgotDtPerf | SGOT, DATE PERFORMED | O | DATE | 0 | 10 | MM/DD/YYYY | OR |  | N |
| QSURG7 | 45 | PreopTtlBiliDt | PREOP TOTAL BILIRUBIN, DATE | O | DATE | 0 | 10 | MM/DD/YYYY | OR |  | N |
| QSURG7 | 46 | PreopAlkPhosphataseDt | PREOP ALK PHOSPHATASE, DATE | O | DATE | 0 | 10 | MM/DD/YYYY | OR |  | N |
| QSURG7 | 47 | PreopWbcDt | PREOPERATIVE WBC, DATE | O | DATE | 0 | 10 | MM/DD/YYYY | OR |  | N |
| QSURG7 | 48 | PreopPlateletCountDt | PREOP PLATELET COUNT, DATE | O | DATE | 0 | 10 | MM/DD/YYYY | OR |  | N |
| QSURG7 | 49 | PreopPtDt | PREOPERATIVE PT, DATE | O | DATE | 0 | 10 | MM/DD/YYYY | OR |  | N |
| QSURG7 | 50 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURG8 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURG8 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURG8 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | OR |  | N |
| QSURG8 | 4 | PreopPttDt | PREOPERATIVE PTT, DATE | O | DATE | 0 | 10 | MM/DD/YYYY | OR |  | N |
| QSURG8 | 5 | PreopHematocritDt | PREOP HEMATOCRIT, DATE | O | DATE | 0 | 10 | MM/DD/YYYY | OR |  | N |
| QSURG8 | 6 | PreopGlucDt | PREOPERATIVE GLUCOSE, DATE | O | DATE | 0 | 10 | MM/DD/YYYY | OR |  | N |
| QSURG8 | 7 | PreopKDt | PREOP POTASSIUM, DATE | O | DATE | 0 | 10 | MM/DD/YYYY | OR |  | N |
| QSURG8 | 8 | PreopSrNaDt | PREOP SERUM SODIUM, DATE | O | DATE | 0 | 10 | MM/DD/YYYY | OR |  | N |
| QSURG8 | 9 | HiSrNaDt | HIGH SERUM SODIUM, DATE | O | DATE | 0 | 10 | MM/DD/YYYY | OR |  | N |
| QSURG8 | 10 | HiKDt | HIGH POTASSIUM, DATE | O | DATE | 0 | 10 | MM/DD/YYYY | OR |  | N |
| QSURG8 | 11 | HiGlucDt | HIGH GLUCOSE, DATE | O | DATE | 0 | 10 | MM/DD/YYYY | OR |  | N |
| QSURG8 | 12 | HiSrCrDt | HIGH SERUM CREATININE, DATE | O | DATE | 0 | 10 | MM/DD/YYYY | OR |  | N |
| QSURG8 | 13 | HiCpkDt | HIGH CPK, DATE | O | DATE | 0 | 10 | MM/DD/YYYY | OR |  | N |
| QSURG8 | 14 | HiCpk-mbDt | HIGH CPK-MB, DATE | O | DATE | 0 | 10 | MM/DD/YYYY | OR |  | N |
| QSURG8 | 15 | HiTtlBiliDt | HIGH TOTAL BILIRUBIN, DATE | O | DATE | 0 | 10 | MM/DD/YYYY | OR |  | N |
| QSURG8 | 16 | HiWbcDt | HIGHEST WBC, DATE | O | DATE | 0 | 10 | MM/DD/YYYY | OR |  | N |
| QSURG8 | 17 | LowSrAlbDt | LOW SERUM ALBUMIN, DATE | O | DATE | 0 | 10 | MM/DD/YYYY | OR |  | N |
| QSURG8 | 18 | LowHematocritDt | LOW HEMATOCRIT, DATE | O | DATE | 0 | 10 | MM/DD/YYYY | OR |  | N |
| QSURG8 | 19 | PreopPtControl | PREOPERATIVE PT CONTROL | O | NUMERIC | 0 | 10 |  | OR |  | N |
| QSURG8 | 20 | PreopPttControl | PREOPERATIVE PTT CONTROL | O | NUMERIC | 0 | 10 |  | OR |  | N |
| QSURG8 | 21 | RespOcc | RESPIRATORY OCCURRENCES | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURG8 | 22 | UrinaryTractOcc | URINARY TRACT OCCURENCES | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURG8 | 23 | CnsOcc | CNS OCCURRENCES | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURG8 | 24 | CardOcc | CARDIAC OCCURRENCES | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURG8 | 25 | OtherOcc | OTHER OCCURRENCES | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURG8 | 26 | Dyspnea | DYSPNEA | O | CODE | 0 | 17 |  | OR | NO; MODERATE EXERTION; AT REST; NO STUDY | N |
| QSURG8 | 27 | CurrPneumonia | CURRENT PNEUMONIA | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURG8 | 28 | RenalFailure | RENAL FAILURE | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURG8 | 29 | ImpairedSensorium | IMPAIRED SENSORIUM | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURG8 | 30 | Coma | COMA | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURG8 | 31 | HxTia's | HISTORY OF TIA'S | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURG8 | 32 | Cva/strokeWithNeuroDeficit | CVA/STROKE WITH NEURO DEFICIT | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURG8 | 33 | Cva/stroke-NoNeuroDeficit | CVA/STROKE - NO NEURO DEFICIT | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURG8 | 34 | DisseminatedCancer(y/n) | DISSEMINATED CANCER (Y/N) | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURG8 | 35 | ChemoInLast30Days | CHEMOTHERAPY IN LAST 30 DAYS | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURG8 | 36 | RadiotherapyInLast90Days | RADIOTHERAPY IN LAST 90 DAYS | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURG8 | 37 | SteroidUseChronicCond | STEROID USE FOR CHRONIC COND. | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURG8 | 38 | IntraopRbcUnitsTransfused | INTRAOP RBC UNITS TRANSFUSED | O | TEXT | 0 | 2 |  | OR |  | N |
| QSURG8 | 39 | DtDeath | DATE OF DEATH | O | TEXT | 0 | 10 |  | OR |  | N |
| QSURG8 | 40 | OtherCnsOcc | OTHER CNS OCCURRENCE | O | POINTER | 0 | 7 |  | OR |  | N |
| QSURG8 | 41 | OtherCardOcc | OTHER CARDIAC OCCURRENCE | O | POINTER | 0 | 7 |  | OR |  | N |
| QSURG8 | 42 | Ileus/bowelObstruction | ILEUS/BOWEL OBSTRUCTION | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURG8 | 43 | WoundOcc | WOUND OCCURRENCES | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURG8 | 44 | WoundDisruption | WOUND DISRUPTION | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURG8 | 45 | LowSrNa | LOW SERUM SODIUM | O | TEXT | 0 | 5 |  | OR |  | N |
| QSURG8 | 46 | LowK | LOW POTASSIUM | O | TEXT | 0 | 3 |  | OR |  | N |
| QSURG8 | 47 | LowNaDt | LOW SODIUM, DATE | O | DATE | 0 | 10 | MM/DD/YYYY | OR |  | N |
| QSURG8 | 48 | LowKDt | LOW POTASSIUM, DATE | O | DATE | 0 | 10 | MM/DD/YYYY | OR |  | N |
| QSURG8 | 49 | RenalInsufficiency | RENAL INSUFFICIENCY | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURG8 | 50 | UnplannedIntube(y/n) | UNPLANNED INTUBATION (Y/N) | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURG8 | 51 | TransferSts | TRANSFER STATUS | O | CODE | 0 | 59 |  | OR | NOT TRANSFERRED; NON-VAMC ACUTE CARE HOSPITAL; VAMC ACUTE CARE HOSPITAL; NON-VA NURSING/CHRONIC CARE/SCI/INTERMEDIATE CARE FACILITY; VA NURSING HOME/CHRONIC CARE/SCI/INTERMEDIATE CARE FACILITY; OTHER | N |
| QSURG8 | 52 | Race | RACE | O | CODE | 0 | 32 |  | OR | HISPANIC, WHITE; HISPANIC, BLACK; AMERICAN INDIAN OR ALASKA NATIVE; BLACK, NOT OF HISPANIC ORIGIN; ASIAN OR PACIFIC ISLANDER; WHITE, NOT OF HISPANIC ORIGIN; UNKNOWN | N |
| QSURG8 | 53 | HospAdmDt | HOSPITAL ADMISSION DATE | O | TEXT | 0 | 16 |  | OR |  | N |
| QSURG8 | 54 | HospDchDt | HOSPITAL DISCHARGE DATE | O | TEXT | 0 | 16 |  | OR |  | N |
| QSURG8 | 55 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURG9 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | BOTH |  | Y |
| QSURG9 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | BOTH |  | N |
| QSURG9 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | BOTH |  | N |
| QSURG9 | 4 | DtOperation | DATE OF OPERATION | R | DATE | 8 | 16 | MM/DD/YYYY@hH:MM | BOTH |  | N |
| QSURG9 | 5 | DtProc | DATE OF PROCEDURE | R | DATE | 8 | 16 | MM/DD/YYYY@hH:MM | NON |  | N |
| QSURG9 | 6 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGA | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGA | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGA | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | OR |  | N |
| QSURGA | 4 | Ht | HEIGHT | O | TEXT | 0 | 4 |  | OR |  | N |
| QSURGA | 5 | Wt | WEIGHT | O | TEXT | 0 | 4 |  | OR |  | N |
| QSURGA | 6 | CerebralVascDz | \*CEREBRAL VASCULAR DISEASE | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURGA | 7 | PeripVascDz | PERIPHERAL VASCULAR DISEASE | O | CODE | 0 | 3 |  | OR | YES;NO | N |
| QSURGA | 8 | Angina | ANGINA | O | CODE | 0 | 12 |  | OR | CLASS I; CODECLASS II; CODECLASS III; CODECLASS IV; | N |
| QSURGA | 9 | Diabetes | \*DIABETES | O | CODE | 0 | 7 |  | OR | NO; ORAL; INSULIN | N |
| QSURGA | 10 | Fev1 | FEV1 | O | TEXT | 0 | 3 |  | OR |  | N |
| QSURGA | 11 | PulmRales | PULMONARY RALES | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURGA | 12 | ActiveEndocard | ACTIVE ENDOCARDITIS | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURGA | 13 | RestingStDepr | RESTING ST DEPRESSION | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURGA | 14 | Pci | PCI | O | CODE | 0 | 20 |  | OR | NONE RECENT; 12-72 HOURS PRIOR TO SURGERY; NONE; <12 hrs; 12 - 72 hrs; >72 hrs - 7 days; >7 days | N |
| QSURGA | 15 | NumPriorHeartSurg | NUM OF PRIOR HEART SURGERIES | O | CODE | 0 | 4 |  | OR | YES; NONE; 1; 2; 3; >3 | N |
| QSURGA | 16 | CurrDiureticUse | CURRENT DIURETIC USE | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURGA | 17 | CurrDigoxinUse | CURRENT DIGOXIN USE | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURGA | 18 | IvNtgWithin48Hours | IV NTG WITHIN 48 HOURS | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURGA | 19 | PreopUseIabp | PREOPERATIVE USE OF IABP | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURGA | 20 | Lvedp | LVEDP | O | TEXT | 0 | 2 |  | OR |  | N |
| QSURGA | 21 | AorticSystolicPress | AORTIC SYSTOLIC PRESSURE | O | TEXT | 0 | 3 |  | OR |  | N |
| QSURGA | 22 | PaSystolicPress | PA SYSTOLIC PRESSURE | O | TEXT | 0 | 3 |  | OR |  | N |
| QSURGA | 23 | PawMeanPress | PAW MEAN PRESSURE | O | TEXT | 0 | 3 |  | OR |  | N |
| QSURGA | 24 | LMainStenosis | LEFT MAIN STENOSIS | O | TEXT | 0 | 3 |  | OR |  | N |
| QSURGA | 25 | LadStenosis | LAD STENOSIS | O | TEXT | 0 | 3 |  | OR |  | N |
| QSURGA | 26 | RCorStenosis | RIGHT CORONARY STENOSIS | O | TEXT | 0 | 3 |  | OR |  | N |
| QSURGA | 27 | CircumflexStenosis | CIRCUMFLEX STENOSIS | O | TEXT | 0 | 3 |  | OR |  | N |
| QSURGA | 28 | LvContractionScore | LV CONTRACTION SCORE | O | CODE |  | 26 |  | OR | > OR EQUAL 0.55 NORMAL; 0.45-0.54 MILD DYSFUNC.; 0.35-0.44 MOD. DYSFUNC.; 0.40-0.44 MOD. DYSFUNC. A; 0.35-0.39 MOD. DYSFUNC. B; 0.25-0.34 SEVERE DYSFUNC.; <0.25 VERY SEVERE DYSFUNC.;NO STUDY | N |
| QSURGA | 29 | EstMort | ESTIMATE OF MORTALITY | O | NUMERIC | 0 | 10 |  | OR |  | N |
| QSURGA | 30 | EstMortDt | ESTIMATE OF MORTALITY; DATE | O | TEXT | 0 | 16 |  | OR |  | N |
| QSURGA | 31 | NumWithVein | NUMBER WITH VEIN | O | NUMERIC | 0 | 10 |  | OR |  | N |
| QSURGA | 32 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGB | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | BOTH |  | Y |
| QSURGB | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | BOTH |  | N |
| QSURGB | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | BOTH |  | N |
| QSURGB | 4 | Visit | VISIT | O | POINTER | 0 | 19 |  | OR |  | N |
| QSURGB | 5 | ClassifEntered(Y/N) | CLASSIFICATION ENTERED (Y/N) | O | CODE | 0 | 3 |  | BOTH | YES; NO | N |
| QSURGB | 6 | SvcConnect | SERVICE CONNECTED | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURGB | 7 | AgentOrangeExp | AGENT ORANGE EXPOSURE | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURGB | 8 | IonRadExp | IONIZING RADIATION EXPOSURE | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURGB | 9 | EnvironContam | ENVIRONMENTAL CONTAMINANTS | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURGB | 10 | OpRoom | OPERATING ROOM | O | POINTER | 0 | 30 |  | OR |  | N |
| QSURGB | 11 | AssocClinic | ASSOCIATED CLINIC | O | POINTER | 0 | 30 |  | NON |  | N |
| QSURGB | 12 | MilitarySexTrauma | MILITARY SEXUAL TRAUMA | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURGB | 13 | Head/NeckCancer | HEAD AND/OR NECK CANCER | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURGB | 14 | CombatVet | COMBAT VET | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURGB | 15 | Proj112/Shad | PROJ 112/SHAD | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURGB | 16 | CaseSchedType | CASE SCHEDULE TYPE | O | CODE | 0 | 21 |  | OR | EMERGENCY;ELECTIVE;ADD ON (NON-EMERGENT);STANDBY;URGENT | N |
| QSURGB | 17 | CaseSchedOrder | CASE SCHEDULE ORDER | O | TEXT | 0 | 35 |  | OR |  | N |
| QSURGB | 18 | ReqCleanOrContam | REQUEST CLEAN OR CONTAMINATED | O | CODE | 0 | 12 |  | OR | CLEAN;CONTAMINATED; | N |
| QSURGB | 19 | PreopSkinInteg | PREOP SKIN INTEG | O | POINTER | 3 | 30 |  | OR |  | N |
| QSURGB | 20 | PreopSkinColor | PREOP SKIN COLOR | O | CODE | 0 | 11 |  | OR | ASHEN;LIGHT BROWN;DARK BROWN;PINK;PALE;FLUSHED;MOTTLED;CYANOTIC;ICTERIC | N |
| QSURGB | 21 | ReqBloodAvail | REQUEST BLOOD AVAILABILITY | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURGB | 22 | XmatchScreenAutol | CROSSMATCH, SCREEN, AUTOLOGOUS | O | CODE | 0 | 17 |  | OR | TYPE & CROSSMATCH;SCREEN;AUTOLOGOUS | N |
| QSURGB | 23 | OrderNum | ORDER NUMBER | O | POINTER | 0 | 9 |  | OR |  | N |
| QSURGB | 24 | NursePresTime | NURSE PRESENT TIME | O | DATE | 0 | 16 | MM/DD/YYYY@hH:MM | OR |  | N |
| QSURGB | 25 | TimePatInHoldArea | TIME PAT IN HOLD AREA | O | DATE | 0 | 16 | MM/DD/YYYY@hH:MM | OR |  | N |
| QSURGB | 26 | AnesAvailTime | ANES AVAIL TIME | O | DATE | 0 | 16 | MM/DD/YYYY@hH:MM | OR |  | N |
| QSURGB | 27 | SurgPresTime | SURG PRESENT TIME | O | DATE | 0 | 16 | MM/DD/YYYY@hH:MM | OR |  | N |
| QSURGB | 28 | AnesCareBillTimeFlag | ANES CARE BILLABLE TIME FLAG | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURGB | 29 | InducComplete | INDUCTION COMPLETE | O | DATE | 0 | 16 | MM/DD/YYYY@HH:MM | BOTH |  | N |
| QSURGB | 30 | AnesCareBillTime | ANES CARE BILLABLE TIME | O | COMPUTED | 0 | 8 |  | OR |  | N |
| QSURGB | 31 | ORCleanStartTime | OR CLEAN START TIME | O | DATE | 0 | 16 | MM/DD/YYYY@HH:MM | OR |  | N |
| QSURGB | 32 | ORCleanEndTime | OR CLEAN END TIME | O | DATE | 0 | 16 | MM/DD/YYYY@HH:MM | OR |  | N |
| QSURGB | 33 | BloodLoss(ML) | BLOOD LOSS (ML) | O | NUMERIC | 0 | 6 |  | BOTH |  | N |
| QSURGB | 34 | TotalUrineOutput(ML) | TOTAL URINE OUTPUT (ML) | O | NUMERIC | 0 | 6 |  | BOTH |  | N |
| QSURGB | 35 | AnesPersonallyPerf | ANES PERSONALLY PERFORMED | O | CODE | 0 | 3 |  | BOTH | YES; NO | N |
| QSURGB | 36 | NumConcAnesCases | NUM OF CONCURRENT ANES CASES | O | NUMERIC | 0 | 9 |  | BOTH |  | N |
| QSURGB | 37 | AnesMedDirect | ANES MEDICALLY DIRECTED | O | CODE | 0 | 3 |  | BOTH | YES; NO | N |
| QSURGB | 38 | AnesPhysAvail | ANES PHYSICIAN AVAILABLE | O | CODE | 0 | 3 |  | BOTH | YES; NO | N |
| QSURGB | 39 | GastricOutput | GASTRIC OUTPUT | O | NUMERIC | 0 | 4 |  | OR |  | N |
| QSURGB | 40 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGC | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | BOTH |  | Y |
| QSURGC | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | BOTH |  | N |
| QSURGC | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | BOTH |  | N |
| QSURGC | 4 | TransToOrBy | TRANS TO OR BY | O | POINTER | 0 | 30 |  | OR |  | N |
| QSURGC | 5 | HairRemBy | HAIR REMOVAL BY | O | POINTER | 0 | 35 |  | OR |  | N |
| QSURGC | 6 | 1stAsst | FIRST ASST | O | POINTER | 0 | 35 |  | OR |  | N |
| QSURGC | 7 | 2ndAsst | SECOND ASST | O | POINTER | 0 | 35 |  | OR |  | N |
| QSURGC | 8 | Perfusionist | PERFUSIONIST | O | POINTER | 0 | 35 |  | OR |  | N |
| QSURGC | 9 | AsstPerfusionist | ASST PERFUSIONIST | O | POINTER | 0 | 35 |  | OR |  | N |
| QSURGC | 10 | SkinPrepAgents | SKIN PREP AGENTS | O | POINTER | 0 | 30 |  | OR |  | N |
| QSURGC | 11 | SkinPreppedBy1 | SKIN PREPPED BY (1) | O | POINTER | 0 | 35 |  | OR |  | N |
| QSURGC | 12 | PreopMood | PREOP MOOD | O | POINTER | 0 | 30 |  | OR |  | N |
| QSURGC | 13 | PreopConverse | PREOP CONVERSE | O | CODE | F0 | 20 |  | OR | TALKS CONSTANTLY; INITIATES CONVERSATION; RESPONDS TO QUESTIONS; NOT ANSWER QUESTIONS; APHASIC; DYSPHASIC | N |
| QSURGC | 14 | PreopConscious | PREOP CONSCIOUS | O | POINTER | 0 | 30 |  | OR |  | N |
| QSURGC | 15 | SkinPreppedBy2 | SKIN PREPPED BY (2) | O | POINTER | 0 | 35 |  | OR |  | N |
| QSURGC | 16 | SkinPreppedBy3 | SKIN PREPPED BY (3) | O | POINTER | 0 | 35 |  | OR |  | N |
| QSURGC | 17 | Staff/Resident | STAFF/RESIDENT | O | CODE | 0 | 20 |  | OR | RESIDENT; STAFF | N |
| QSURGC | 18 | PrincAnes | PRINC ANESTHETIST | O | POINTER | 0 | 35 |  | BOTH |  | N |
| QSURGC | 19 | ReliefAnes | RELIEF ANESTHETIST | O | POINTER | 0 | 35 |  | BOTH |  | N |
| QSURGC | 20 | AsstAnes | ASST ANESTHETIST | O | POINTER | 0 | 35 |  | BOTH |  | N |
| QSURGC | 21 | AnesSupvCode | ANES SUPERVISE CODE | O | POINTER | 0 | 50 |  | BOTH |  | N |
| QSURGC | 22 | MinIntraopTemp | MIN INTRAOP TEMPERATURE ( C ) | O | NUMERIC | 0 | 10 |  | BOTH |  | N |
| QSURGC | 23 | IVStartedBy | IV STARTED BY | O | POINTER | 0 | 35 |  | OR |  | N |
| QSURGC | 24 | AnesCateg | ANESTHESTIST CATEGORY | O | CODE | 0 | 17 |  | BOTH | ANESTHESIOLOGIST; NURSE ANESTHETIST; OTHER | N |
| QSURGC | 25 | AirwayIndex | AIRWAY INDEX | O | CODE | 0 | 40 |  | BOTH | 1. INDEX LESS THAN OR EQUAL TO 0; 2. INDEX > 0 AND LESS THAN OR EQUAL TO 2; 3. INDEX > 2 AND LESS THAN OR EQUAL TO 3; 4. INDEX > 3 AND LESS THAN OR EQUAL TO 4; 5. INDEX GREATER THAN 4 | N |
| QSURGC | 26 | MallampatiScale | MALLAMPATI SCALE | O | CODE | 0 | 7 |  | BOTH | CLASS 1; CLASS 2; CLASS 3; CLASS 4; | N |
| QSURGC | 27 | MandibularSpace | MANDIBULAR SPACE | O | NUMERIC | 0 | 10 |  | BOTH |  | N |
| QSURGC | 28 | ReqPostOpCare | REQ POSTOP CARE | O | POINTER | 0 | 30 |  | OR |  | N |
| QSURGC | 29 | ORSetupTime | OR SET-UP TIME | O | NUMERIC | 0 | 10 |  | OR |  | N |
| QSURGC | 30 | OpDisposition | OP DISPOSITION | O | POINTER | 0 | 30 |  | BOTH |  | N |
| QSURGC | 31 | EstCaseLength | ESTIMATED CASE LENGTH | O | TEXT | 0 | 7 |  | OR |  | N |
| QSURGC | 32 | DeathUnrelated/Related | DEATH UNRELATED/RELATED | O | CODE | 0 | 9 |  | OR | UNRELATED; RELATED | N |
| QSURGC | 33 | ReadyTransmit? | READY TO TRANSMIT? | O | CODE | 0 | 11 |  | OR | READY; TRANSMITTED | N |
| QSURGC | 34 | FinalCountVerfCorrect | FINAL COUNTS VERIFY CORRECT | O | CODE | 0 | 20 |  | OR | CORRECT; INCORRECT; UNKNOWN | N |
| QSURGC | 35 | Verifier | VERIFIER | O | POINTER | 0 | 35 |  | OR |  | N |
| QSURGC | 36 | InstCntVerfBy | INST CNT VERF BY | O | POINTER | 0 | 35 |  | OR |  | N |
| QSURGC | 37 | ElectrogrndPos | ELECTROGROUND POSITION | O | POINTER | 0 | 30 |  | OR |  | N |
| QSURGC | 38 | FoleyCathSize | FOLEY CATHETER SIZE | O | NUMERIC | 0 | 10 |  | OR |  | N |
| QSURGC | 39 | FoleyCathInsertBy | FOLEY CATHETER INSERTED BY | O | POINTER | 0 | 35 |  | OR |  | N |
| QSURGC | 40 | ElectrogrndPos2 | ELECTROGROUND POSITION (2) | O | POINTER | 0 | 30 |  | OR |  | N |
| QSURGC | 41 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGD | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | BOTH |  | Y |
| QSURGD | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | BOTH |  | N |
| QSURGD | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | BOTH |  | N |
| QSURGD | 4 | PreOpTemp | PREOP TEMPERATURE | O | NUMERIC | 0 | 10 |  | OR |  | N |
| QSURGD | 5 | PreOpWght(Kg) | PREOP WEIGHT (Kg) | O | NUMERIC | 0 | 10 |  | OR |  | N |
| QSURGD | 6 | PreOpHeartRate | PREOPERATIVE HEART RATE | O | NUMERIC | 0 | 10 |  | OR |  | N |
| QSURGD | 7 | PreOpBloodPres | PREOP BLOOD PRESSURE | O | TEXT | 0 | 10 |  | OR |  | N |
| QSURGD | 8 | PreOpRespRate | PREOP RESPIRATORY RATE | O | NUMERIC | 0 | 10 |  | OR |  | N |
| QSURGD | 9 | FinalAnesTemp(C) | FINAL ANESTHESIA TEMP(C) | O | NUMERIC | 0 | 10 |  | BOTH |  | N |
| QSURGD | 10 | PostOpPulse | POSTOP PULSE | O | NUMERIC | 0 | 10 |  | OR |  | N |
| QSURGD | 11 | PostOpBloodPress | POSTOP BP | O | TEXT | 0 | 10 |  | OR |  | N |
| QSURGD | 12 | PostOpResp | POSTOP RESP | O | NUMERIC | 0 | 10 |  | OR |  | N |
| QSURGD | 13 | ValidID/ConsentConfBy | VALID ID/CONSENT CONFIRMED BY | O | POINTER | 0 | 35 |  | OR |  | N |
| QSURGD | 14 | DiagResultsConfBy | DIAGNOSTIC RESULTS CONFIRM BY | O | POINTER | 0 | 35 |  | OR |  | N |
| QSURGD | 15 | ElectrocautUnit | ELECTROCAUTERY UNIT | O | TEXT | 0 | 50 |  | OR |  | N |
| QSURGD | 16 | PostOpSkinInteg | POSTOP SKIN INTEG | O | POINTER | 0 | 30 |  | OR |  | N |
| QSURGD | 17 | PostOpSkinColor | POSTOP SKIN COLOR | O | CODE | 0 | 11 |  | OR | ASHEN; LIGHT BROWN; DEEP BROWN; PINK; PALE; FLUSHED; CYANOTIC; ICTERIC | N |
| QSURGD | 18 | PacuDispos | PACU DISPOSITION | O | POINTER | 0 | 30 |  | OR |  | N |
| QSURGD | 19 | DischargedVia | DISCHARGED VIA | O | POINTER | 0 | 30 |  | OR |  | N |
| QSURGD | 20 | EsuCoagRange | ESU COAG RANGE | O | TEXT | 0 | 30 |  | OR |  | N |
| QSURGD | 21 | EsuCuttingRange | ESU CUTTING RANGE | O | TEXT | 0 | 30 |  | OR |  | N |
| QSURGD | 22 | SeqCompressDevice | SEQUENTIAL COMPRESSION DEVICE | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURGD | 23 | LaserType | LASER TYPE | O | TEXT | 0 | 30 |  | OR |  | N |
| QSURGD | 24 | PostOpMood | POSTOP MOOD | O | POINTER | 0 | 30 |  | OR |  | N |
| QSURGD | 25 | PostOpConvers | POSTOP CONVERS | O | CODE | 0 | 22 |  | OR | TALKS CONSTANTLY; INITIATES CONVERSATION; RESPONDS TO QUESTIONS; NOT ANSWER QUESTIONS; APHASIC; DYSPHASIC | N |
| QSURGD | 26 | PostOpConscious | POSTOP CONSCIOUS | O | POINTER | 0 | 30 |  | OR |  | N |
| QSURGD | 27 | EndPulse | END PULSE | O | NUMERIC | 0 | 10 |  | OR |  | N |
| QSURGD | 28 | EndBP | END BP | O | TEXT | 0 | 10 |  | OR |  | N |
| QSURGD | 29 | EndResp | END RESP | O | NUMERIC | 0 | 10 |  | OR |  | N |
| QSURGD | 30 | Packing | PACKING | O | CODE | 0 | 11 |  | OR | VASOLINE; IODOFORM; PLAIN; BETADINE; DENTALPACKS; OTHER; NONE | N |
| QSURGD | 31 | PatEdu/Assess | PATIENT EDUCATION/ASSESSMENT | O | CODE | 0 | 12 |  | OR | YES; NO; INAPPLICABLE; UNKNOWN | N |
| QSURGD | 32 | ConsentSig&Wit | CONSENT SIG&WIT | O | CODE | 0 | 12 |  | OR | YES; NO; INAPPLICABLE | N |
| QSURGD | 33 | Bath&Shampoo | BATH & SHAMPOO | O | CODE | 0 | 12 |  | OR | YES; NO; INAPPLICABLE | N |
| QSURGD | 34 | Rec&XrayReady | REC&XRAY READY | O | CODE | 0 | 10 |  | OR | YES; NO; INCOMPLETE | N |
| QSURGD | 35 | Enema(s)IfOrd | ENEMA(S) IF ORD | O | CODE | 0 | 12 |  | OR | YES; NO; INAPPLICABLE | N |
| QSURGD | 36 | NPOAsOrd/ClinMid | NPO AS ORD/CLIN MID | O | CODE | 0 | 12 |  | OR | YES; NO; INAPPLICABLE | N |
| QSURGD | 37 | CarePlanInChart | CARE PLAN IN CHART | O | CODE | 0 | 12 |  | OR | YES; NO; INAPPLICABLE | N |
| QSURGD | 38 | AddrPlate | ADDRESS PLATE | O | CODE | 0 | 12 |  | OR | YES; NO; INAPPLICABLE | N |
| QSURGD | 39 | PatVoided | PATIENT VOIDED | O | CODE | 0 | 12 |  | OR | YES; NO; INAPPLICABLE | N |
| QSURGD | 40 | PreOpMed&RailUp | PREOP MED&RAIL UP | O | CODE | 0 | 12 |  | OR | YES; NO; INAPPLICABLE | N |
| QSURGD | 41 | ProsethesisRem | PROSTHESIS REM | O | CODE | 0 | 12 |  | OR | YES; NO; INAPPLICABLE | N |
| QSURGD | 42 | CigMatch&ValRem | CIG, MATCH & VAL REM | O | CODE | 0 | 12 |  | OR | YES; NO; INAPPLICABLE | N |
| QSURGD | 43 | ValuablesSec | VALUABLES SECURED | O | CODE | 0 | 12 |  | OR | YES; NO; INAPPLICABLE | N |
| QSURGD | 44 | OralHyg | ORAL HYGIENE | O | CODE | 0 | 12 |  | OR | YES; NO; INAPPLICABLE | N |
| QSURGD | 45 | FreshShave | FRESHLY SHAVED | O | CODE | 0 | 12 |  | OR | YES; NO; INAPPLICABLE | N |
| QSURGD | 46 | CleanDress | CLEAN DRESSING | O | CODE | 0 | 12 |  | OR | YES; NO; INAPPLICABLE | N |
| QSURGD | 47 | CleanHospCloth | CLEAN HOSP CLOTH | O | CODE | 0 | 12 |  | OR | YES; NO; INAPPLICABLE | N |
| QSURGD | 48 | LevinTub/Cath | LEVIN TUBE/CATH | O | CODE | 0 | 12 |  | OR | YES; NO; INAPPLICABLE | N |
| QSURGD | 49 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGE | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | BOTH |  | Y |
| QSURGE | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | BOTH |  | N |
| QSURGE | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | BOTH |  | N |
| QSURGE | 4 | U/Ain48hrs | U/A IN 48 HRS | O | CODE | 0 | 12 |  | OR | YES; NO; INAPPLICABLE | N |
| QSURGE | 5 | CBCIn48hrs | CBC IN 48 HRS | O | CODE | 0 | 12 |  | OR | YES; NO; INAPPLICABLE | N |
| QSURGE | 6 | BloodType&Xmatch | BLOOD TYPE&XMATCH | O | CODE | 0 | 12 |  | OR | YES; NO; INAPPLICABLE | N |
| QSURGE | 7 | ChestXrayIn7Days | CHEST XRAY IN 7 DAYS | O | CODE | 0 | 12 |  | OR | YES; NO; INAPPLICABLE | N |
| QSURGE | 8 | EKGIn24Hhrs | EKG IN 24 HRS | O | CODE | 0 | 12 |  | OR | YES; NO; INAPPLICABLE | N |
| QSURGE | 9 | PacuAdmitScore | PAC(U) ADMIT SCORE | O | NUMERIC | 0 | 10 |  | OR |  | N |
| QSURGE | 10 | PacuDischScore | PAC(U) DISCH SCORE | O | NUMERIC | 0 | 10 |  | OR |  | N |
| QSURGE | 11 | PostOpAnesNoteDt | POSTOP ANES NOTE DATE | O | DATE | 0 | 16 | MM/DD/YYYY@HH:MM | BOTH |  | N |
| QSURGE | 12 | tubes&drains | TUBES AND DRAINS | O | TEXT | 0 | 80 |  | OR |  | N |
| QSURGE | 13 | Division | DIVISION | O | POINTER | 0 | 30 |  | BOTH |  | N |
| QSURGE | 14 | PreOpAttendConcur | PREOP ATTENDING CONCURRENCE | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURGE | 15 | PostOpAttendConcur | POSTOP ATTENDING CONCURRENCE | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURGE | 16 | SpongeCntCorrect? | SPONGE COUNT CORRECT (Y/N) | O | CODE | 0 | 29 |  | OR | YES; NO; SEE NURSING CARE COMMENTS; NOT APPLICABLE | N |
| QSURGE | 17 | SharpsCntCorrect? | SHARPS COUNT CORRECT (Y/N) | O | CODE | 0 | 29 |  | OR | YES; NO, SEE NURSING CARE COMMENTS; NOT APPLICABLE | N |
| QSURGE | 18 | InstrCntCorrect? | INSTRUMENT COUNT CORRECT (Y/N) | O | CODE | 0 | 29 |  | OR | YES; NO; SEE NURSING CARE COMMENTS; NOT APPLICABLE | N |
| QSURGE | 19 | SpongeSharpsInstrCntr | SPONGE; SHARPS, & INST COUNTER | O | POINTER | 0 | 35 |  | OR |  | N |
| QSURGE | 20 | CntVerifier | COUNT VERIFIER | O | POINTER | 0 | 35 |  | OR |  | N |
| QSURGE | 21 | CancelDt | CANCEL DATE | O | DATE | 0 | 16 | MM/DD/YYYY@HH:MM | BOTH |  | N |
| QSURGE | 22 | CancelAvoidable | CANCELLATION AVOIDABLE | O | CODE | 0 | 3 |  | BOTH | YES; NO | N |
| QSURGE | 23 | CancelledBy | CANCELLED BY | O | POINTER | 0 | 35 |  | BOTH |  | N |
| QSURGE | 24 | DressingCond | DRESSING CONDITION | O | CODE | 0 | 20 |  | OR | DRY; SEROSANGUINOUS; SANGUINOUS; NO DRESSING | N |
| QSURGE | 25 | 2ndSkinPrepAgent | SECOND SKIN PREP AGENT | O | POINTER | 0 | 30 |  | OR |  | N |
| QSURGE | 26 | TimeNurseOutOr | TIME NURSE OUT OF OR | O | DATE | 0 | 16 | MM/DD/YYYY@HH:MM | OR |  | N |
| QSURGE | 27 | SchedStartTime | SCHEDULED START TIME | O | DATE | 0 | 16 | MM/DD/YYYY@HH:MM | OR |  | N |
| QSURGE | 28 | SchedEndTime | SCHEDULED END TIME | O | DATE | 0 | 16 | MM/DD/YYYY@HH:MM | OR |  | N |
| QSURGE | 29 | InOR\_ToAnesStart | IN OR TO ANES START | O | COMPUTED | 0 | 4 |  | OR |  | N |
| QSURGE | 30 | AnesStartToOpStart | ANES START TO OP START | O | COMPUTED | 0 | 4 |  | OR |  | N |
| QSURGE | 31 | InOR\_ToStartTime | IN OR TO START TIME | O | COMPUTED | 0 | 4 |  | OR |  | N |
| QSURGE | 32 | DictDt/Time | DATE/TIME OF DICTATION | O | DATE | 0 | 16 | MM/DD/YYYY@HH:MM | OR |  | N |
| QSURGE | 33 | CancelRsn | CANCEL REASON | O | POINTER | 0 | 30 |  | BOTH |  | N |
| QSURGE | 34 | Diag/Thera? | DIAGNOSTIC/THERAPEUTIC (Y/N) | O | CODE | 0 | 3 |  | BOTH | YES; NO | N |
| QSURGE | 35 | WaitTimeStart | WAIT TIME START | O | DATE | 0 | 10 | MM/DD/YYYY | OR |  | N |
| QSURGE | 36 | TranscriptDt | DATE OF TRANSCRIPTION | O | DATE | 0 | 16 | MM/DD/YYYY@HH:MM | OR |  | N |
| QSURGE | 37 | DynamedNotified | DYNAMED NOTIFIED | O | CODE | 0 | 20 |  | OR | YES; NO | N |
| QSURGE | 38 | PrincPreOpDiag | PRINCIPAL PRE-OP DIAGNOSIS | O | TEXT | 0 | 40 |  | OR |  | N |
| QSURGE | 39 | PrincDiag | PRINCIPAL DIAGNOSIS | O | TEXT | 0 | 40 |  | NON |  | N |
| QSURGE | 40 | PrincPreOPICDDiag | PRIN PRE-OP ICD DIAGNOSIS CODE | O | POINTER | 0 | 7 |  | OR |  | N |
| QSURGE | 41 | PrincPostOPDiag | PRINCIPAL POST-OP DIAG | O | TEXT | 0 | 40 |  | OR |  | N |
| QSURGE | 42 | PlannedPrincDiagCode | PLANNED PRIN DIAGNOSIS CODE | O | POINTER | 0 | 7 |  | BOTH |  | N |
| QSURGE | 43 | Dressing | DRESSING | O | TEXT | 0 | 50 |  | OR |  | N |
| QSURGE | 44 | PreAdmitTesting | PRE-ADMISSION TESTING | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURGE | 45 | Occur/NoProced | OCCURRENCE/NO PROCEDURE | O | CODE | 0 | 20 |  | OR | YES; NO | N |
| QSURGE | 46 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGF | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGF | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGF | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | OR |  | N |
| QSURGF | 4 | Device(s) | DEVICE(S) | O | TEXT | 0 | 70 |  | OR |  | N |
| QSURGF | 5 | OpsThisAdmit | OPERATIONS THIS ADMISSION | O | NUMERIC | 0 | 10 |  | OR |  | N |
| QSURGF | 6 | RedoProc | REDO PROCEDURE | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURGF | 7 | Vascular? | VASCULAR (Y/N) | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURGF | 8 | HyperTensReqMeds | HYPERTENSION REQURING MEDS | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURGF | 9 | CentralNervSys? | CENTRAL NERVOUS SYSTEM (Y/N) | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURGF | 10 | EsophagealVarices | ESOPHAGEAL VARICES | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURGF | 11 | PrevPCI | PREVIOUS PCI | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURGF | 12 | Pulmonary? | PULMONARY (Y/N) | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURGF | 13 | Cardiac? | CARDIAC (Y/N) | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURGF | 14 | Renal? | RENAL (Y/N) | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURGF | 15 | Hepatobiliary? | HEPATOBILIARY (Y/N) | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURGF | 16 | Nutri/Immune/Other | NUTRITIONAL/IMMUNE/OTHER | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURGF | 17 | PrevCardiacSurg | PREVIOUS CARDIAC SURGERY | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURGF | 18 | Hepatomegaly | HEPATOMEGALY | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURGF | 19 | DrugAddict | DRUG ADDICTION | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURGF | 20 | ActiveHepatitis | ACTIVE HEPATITIS | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURGF | 21 | Revascular/Amput | REVASCULARIZATION/AMPUTATION | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURGF | 22 | RestPain/Gangrene? | REST PAIN/GANGRENE (Y/N) | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURGF | 23 | AbsentPerIphPulses | ABSENT PERIPHERAL PULSES | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURGF | 24 | NeuroDegenDisease | NEURO DEGENERATIVE DISEASE | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURGF | 25 | HistOfMI | HISTORY OF MI | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURGF | 26 | Angina1MonthPrior | ANGINA ONE MONTH PRIOR | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURGF | 27 | CHFWithin1Month | CHF WITHIN ONE MONTH | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURGF | 28 | SevereHeadTrauma? | SEVERE HEAD TRAUMA (Y/N) | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURGF | 29 | Quadriplegia? | QUADRIPLEGIA (Y/N) | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURGF | 30 | Paraplegia? | PARAPLEGIA (Y/N) | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURGF | 31 | Hemiplegia/HemiParesis? | HEMIPLEGIA/HEMIPARESIS (Y/N) | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURGF | 32 | TumorInvolveCNS? | TU MOR INVOLVING CNS (Y/N) | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURGF | 33 | General? | GENERAL (Y/N) | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURGF | 34 | HgtMeasureDT | HEIGHT MEASUREMENT DATE | O | DATE | 0 | 10 | MM/DD/YYYY | OR |  | N |
| QSURGF | 35 | Pregnacy | PREGNACY | O | CODE | 0 | 14 |  | OR | YES; NO; NOT APPLICABLE | N |
| QSURGF | 36 | IntraOpDissemCancer | INTRAOP DISSEMINATED CANCER | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURGF | 37 | IntraOpAscites | INTRAOPERATIVE ASCITES | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURGF | 38 | GastroIntes? | GASTROINTESTINAL (Y/N) | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURGF | 39 | PreOpFunctHealthStatus | PREOP FUNCT. HEALTH STATUS | O | CODE | 0 | 19 |  | OR | INDEPENDENT; PARTIALLY DEPENDENT; TOTALLY DEPENDENT; UNKNOWN | N |
| QSURGF | 40 | CurrentSmoker(Cardiac) | \*CURRENT SMOKER (CARDIAC) | O | CODE | 0 | 42 |  | OR | NEVER A SMOKER; WITHIN 2 WEEKS OF SURGERY; 2 WEEKS TO 3 MONTHS PRIOR TO SURGERY; >3 MONTHS PRIOR TO SURGERY (REMOTE SMOKER) | N |
| QSURGF | 41 | PreOpSerumNa | PREOPERATIVE SERUM SODIUM | O | TEXT | 0 | 5 |  | OR |  | N |
| QSURGF | 42 | HDL(Cardiac) | HDL (CARDIAC) | O | TEXT | 0 | 6 |  | OR |  | N |
| QSURGF | 43 | SerumTryglic(Cardiac) | SERUM TRIGLYCERIDE (CARDIAC) | O | TEXT | 0 | 6 |  | OR |  | N |
| QSURGF | 44 | SerumK(Cardiac) | SERUM POTASSIUM (CARDIAC) | O | TEXT | 0 | 6 |  | OR |  | N |
| QSURGF | 45 | SerumBili(Cardiac) | SERUM BILIRUBIN (CARDIAC) | O | TEXT | 0 | 6 |  | OR |  | N |
| QSURGF | 46 | LDL(Cardiac) | LDL (CARDIAC) | O | TEXT | 0 | 6 |  | OR |  | N |
| QSURGF | 47 | TotalCholest(Cardiac) | TOTAL CHOLESTEROL (CARDIAC) | O | TEXT | 0 | 6 |  | OR |  | N |
| QSURGF | 48 | PreOpINR | PREOPERATIVE INR | O | TEXT | 0 | 5 |  | OR |  | N |
| QSURGF | 49 | HemoA1C | HEMOGLOBIN A1C | O | TEXT | 0 | 6 |  | OR |  | N |
| QSURGF | 50 | HDL\_Dt | HDL, DATE | O | TEXT | 0 | 10 |  | OR |  | N |
| QSURGF | 51 | SerumTriglycDtCard | SERUM TRIGLYCERIDE , DATE (CAR) | O | TEXT | 0 | 10 |  | OR |  | N |
| QSURGF | 52 | SerumK\_DtCard | SERUM POTASSIUM, DATE(CARDIAC) | O | TEXT | 0 | 10 |  | OR |  | N |
| QSURGF | 53 | SerumBiliDtCard | SERUM BILIRUBIN, DATE (CARD) | O | TEXT | 0 | 10 |  | OR |  | N |
| QSURGF | 54 | LDL\_DtCard | LDL, DATE (CARDIAC) | O | TEXT | 0 | 10 |  | OR |  | N |
| QSURGF | 55 | TotalCholestDtCard | TOTAL CHOLESTEROL, DATE | O | TEXT | 0 | 10 |  | OR |  | N |
| QSURGF | 56 | PreOpINRDt | PREOPERATIVE INR, DATE | O | DATE | 0 | 10 | MM/DD/YYYY | OR |  | N |
| QSURGF | 57 | HemoA1CDt | HEMOGLOBIN A1C, DATE | O | DATE | 0 | 10 |  | OR |  | N |
| QSURGF | 58 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGG | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGG | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGG | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | OR |  | N |
| QSURGG | 4 | PreOpAnionGap | PREOPERATIVE ANION GAP | O | TEXT | 0 | 5 |  | OR |  | N |
| QSURGG | 5 | HighAnionGap | HIGHEST ANION GAP | O | TEXT | 0 | 5 |  | OR |  | N |
| QSURGG | 6 | HighSerumTropI | HIGHEST SERUM TROPONIN I | O | TEXT | 0 | 5 |  | OR |  | N |
| QSURGG | 7 | HighSerumTropT | HIGHEST SERUM TROPONIN T | O | TEXT | 0 | 5 |  | OR |  | N |
| QSURGG | 8 | PreOpAnionGapDt | PREOP ANION GAP, DATE | O | DATE | 0 | 10 | MM/DD/YYYY | OR |  | N |
| QSURGG | 9 | HighAnionGapDt | HIGH ANION GAP, DATE | O | DATE | 0 | 10 | MM/DD/YYYY | OR |  | N |
| QSURGG | 10 | HighSerumTropI\_Dt | HIGH SERUM TROPONIN I, DATE | O | DATE | 0 | 10 | MM/DD/YYYY | OR |  | N |
| QSURGG | 11 | HighSerumTropT\_Dt | HIGH SERUM TROPONIN T, DATE | O | DATE | 0 | 10 | MM/DD/YYYY | OR |  | N |
| QSURGG | 12 | Stroke/CVA | STROKE/CVA | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURGG | 13 | 30DayPostOpStatus | 30 DAY POSTOP STATUS | O | CODE | 0 | 27 |  | OR | DISCHARGED ALIVE; DIED IN HOSPITAL; REMAINS IN VAMC FACILITY; TRANSFERRED TO ANOTHER VAMC; READMITTED | N |
| QSURGG | 14 | OtherOccur(ICD9) | OTHER OCCURRENCES (ICD9) | O | POINTER | 0 | 7 |  | OR |  | N |
| QSURGG | 15 | ClostrDiffColitis | CLOSTRIDIUM DIFFICILE COLITIS | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURGG | 16 | Organ/SpaceSSI | ORGAN/SPACE SSI | O | CODE | 0 | 8 |  | OR | YES; NO; NO STUDY | N |
| QSURGG | 17 | OtherWoundOccur | OTHER WOUND OCCURRENCE | O | POINTER | 0 | 7 |  | OR |  | N |
| QSURGG | 18 | CoronWithStenosis | CORONARIES WITH STENOSIS | O | NUMERIC | 0 | 10 |  | OR |  | N |
| QSURGG | 19 | Tracheostomy | TRACHEOSTOMY | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURGG | 20 | PriorHeartSurg | PRIOR HEART SUGERIES | O | TEXT | 0 | 10 |  | OR |  | N |
| QSURGG | 21 | otherCardProc | OTHER CARDIAC PROCEDURES | O | TEXT | 0 | 235 |  | OR |  | N |
| QSURGG | 22 | EndoVascRepair | ENDOVASCULAR REPAIR | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURGG | 23 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGH | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGH | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGH | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | OR |  | N |
| QSURGH | 4 | Admit/TransferDt | ADMISSION/TRANSFER DATE | O | TEXT | 0 | 16 |  | OR |  | N |
| QSURGH | 5 | Discharge/TransferDt | DISCHARGE/TRANSFER DATE | O | TEXT | 0 | 16 |  | OR |  | N |
| QSURGH | 6 | ObsAdmitDt | OBSERVATION ADMISSION DATE | O | TEXT | 0 | 16 |  | OR |  | N |
| QSURGH | 7 | ObsDischDt | OBSERVATION DISCHARGE DATE | O | TEXT | 0 | 16 |  | OR |  | N |
| QSURGH | 8 | ObsTreatingSpecialty | OBSERVATION TREATING SPECIALTY | O | POINTER | 0 | 30 |  | OR |  | N |
| QSURGH | 9 | Homeless | HOMELESS | O | CODE | 0 | 16 |  | OR | YES; NO; NO STUDY/UNKNOWN | N |
| QSURGH | 10 | PreOpCircDevice | PREOP CIRCULATORY DEVICE | O | CODE | 0 | 20 |  | OR | NONE; IABP; VAD (includes BIVAD); ARTIFICIAL HEART; OTHER | N |
| QSURGH | 11 | DiabetesCard | DIABETES (CARDIAC) | O | CODE | 0 | 7 |  | OR | NO; DIET; ORAL; INSULIN | N |
| QSURGH | 12 | ProcedType | PROCEDURE TYPE | O | CODE | 0 | 16 |  | OR | CATH; IVUS; BOTH/COMBINATION; NO STUDY/UNKNOWN | N |
| QSURGH | 13 | AorticStenois | AORTIC STENOSIS | O | CODE | 0 | 20 |  | OR | NONE/TRIVIAL; MILD; MODERATE; SEVERE | N |
| QSURGH | 14 | ReDoLadStenosis | RE-DO LAD STENOSIS | O | TEXT | 0 | 3 |  | OR |  | N |
| QSURGH | 15 | ReDoRtCoronStenosis | RE-DO RT CORONARY STENOSIS | O | TEXT | 0 | 3 |  | OR |  | N |
| QSURGH | 16 | RedoCircumflexStenosis | RE-DO CIRCUMFLEX STENOSIS | O | TEXT | 0 | 3 |  | OR |  | N |
| QSURGH | 17 | BridgeToTrans/Dev | BRIDGE TO TRANSPLANT/DEVICE | O | CODE | 0 | 3 |  | OR | YES; NO; | N |
| QSURGH | 18 | TMR | TMR | O | CODE | 0 | 3 |  | OR | YES; NO; | N |
| QSURGH | 19 | RepeatVentW/In30Days | REPEAT VENTILATOR W/IN 30 DAYS | O | CODE | 0 | 3 |  | OR | YES; NO; | N |
| QSURGH | 20 | OtherCardProced? | OTHER CARDIAC PROCEDURES (Y/N) | O | CODE | 0 | 3 |  | OR | YES; NO; | N |
| QSURGH | 21 | MazeProced | MAZE PROCEDURE | O | CODE | 0 | 17 |  | OR | NO MAZE PERFORMED; FULL MAZE; MINI MAZE | N |
| QSURGH | 22 | SurgConsultDt | SURGERY CONSULT DATE | O | TEXT | 0 | 10 |  | OR |  | N |
| QSURGH | 23 | PrimCauseForDelay | PRIMARY CAUSE FOR DELAY | O | CODE | 0 | 19 |  | OR | RESOURCE LIMITATION; PATIENT HEALTH; PATIENT PREFERENCE; OTHER; NO STUDY/UNKNOWN; NONE | N |
| QSURGH | 24 | SurgConsultReq | SURGERY CONSULT REQUESTED | O | TEXT | 0 | 10 |  | OR |  | N |
| QSURGH | 25 | OtherCardProcedList | OTHER CARDIAC PROCEDURES-LIST | O | TEXT | 0 | 60 |  | OR |  | N |
| QSURGH | 26 | OtherNonCTProced | OTHER NON-CT PROCEDURES | O | TEXT | 0 | 245 |  | OR |  | N |
| QSURGH | 27 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGI | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | BOTH |  | Y |
| QSURGI | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | BOTH |  | N |
| QSURGI | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | BOTH |  | N |
| QSURGI | 4 | ReqAnesTech | REQ ANESTHESIA TECHNIQUE | O | CODE | 0 | 25 |  | OR | L:LOCAL;S:SPINAL;B:BLOCK;G:GENERAL;C:CHOICE;MAC:MONITORED ANESTHESIA CARE;E:EPIDURAL; | N |
| QSURGI | 5 | ReqFrozSect | REQ FROZ SECT | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURGI | 6 | ReqPreOpXray | REQ PREOP X-RAY | O | TEXT | 0 | 50 |  | OR |  | N |
| QSURGI | 7 | IntraOpXray | INTRAOPERATIVE X-RAYS | O | CODE | 0 | 5 |  | OR | YES; NO; C-ARM | N |
| QSURGI | 8 | ReqPhoto | REQ PHOTO | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURGI | 9 | ReqBloodAvail | REQ BLOOD AVAIL | O | CODE | 0 | 20 |  | OR | YES; NO | N |
| QSURGI | 10 | DtTimeOR\_Req | DATE/TIME OR REQUEST | O | DATE | 0 | 16 | MM/DD/YYYY@MM:SS | OR |  | N |
| QSURGI | 11 | SurgSchedPerson | SURG SCHED PERSON | O | POINTER | 0 | 35 |  | OR |  | N |
| QSURGI | 12 | OpTime | OPERATION TIME | O | COMPUTED | 0 | 4 |  | OR |  | N |
| QSURGI | 13 | AnesInductTime | ANESTH INDUCT TIME | O | COMPUTED | 0 | 4 |  | OR |  | N |
| QSURGI | 14 | AnesCareTime | ANES CARE TIME | O | COMPUTED | 0 | 4 |  | OR |  | N |
| QSURGI | 15 | PatInOR\_Time | PATIENT IN OR TIME | O | COMPUTED | 0 | 4 |  | OR |  | N |
| QSURGI | 16 | OR\_CleanUpTime | OR CLEAN UP TIME | O | COMPUTED | 0 | 4 |  | OR |  | N |
| QSURGI | 17 | PAC(U)Time | PAC(U) TIME | O | COMPUTED | 0 | 4 |  | OR |  | N |
| QSURGI | 18 | LockCase | LOCK CASE | O | CODE | 0 | 8 |  | OR | LOCKED; UNLOCKED | N |
| QSURGI | 19 | NonORProced | NON-OR PROCEDURE | O | CODE | 0 | 3 |  | NON | YES | N |
| QSURGI | 20 | NonORLocale | NON-OR LOCATION | O | POINTER | 0 | 30 |  | NON |  | N |
| QSURGI | 21 | TimeProcedBegan | TIME PROCEDURE BEGAN | O | DATE | 0 | 16 | MM/DD/YYYY@MM:SS | NON |  | N |
| QSURGI | 22 | TimeProcedEnd | TIME PROCEDURE ENDED | O | DATE | 0 | 16 | MM/DD/YYYY@HH:MM | NON |  | N |
| QSURGI | 23 | Provider | PROVIDER | R | POINTER | 3 | 35 |  | NON |  | N |
| QSURGI | 24 | AttdProvider | ATTEND PROVIDER | O | POINTER | 0 | 35 |  | NON |  | N |
| QSURGI | 25 | MedSpecialty | MEDICAL SPECIALTY | R | POINTER | 3 | 30 |  | NON |  | N |
| QSURGI | 26 | DtLastTransmis | DATE OF LAST TRANSMISSION | O | DATE | 0 | 16 | MM/DD/YYYY@HH:MM | OR |  | N |
| QSURGI | 27 | AssessType | ASSESSMENT TYPE | O | CODE | 0 | 11 |  | OR | CARDIAC; NON-CARDIAC | N |
| QSURGI | 28 | CreateRiskAssess | CREATE RISK ASSESSMENT | O | CODE | 0 | 3 |  | OR | YES; NO | N |
| QSURGI | 29 | ReTransmit | RE-TRANSMISSION | O | NUMERIC | 0 | 10 |  | OR |  | N |
| QSURGI | 30 | Requested | REQUESTED | O | NUMERIC | 0 | 10 |  | OR |  | N |
| QSURGI | 31 | SchedProced | SCHEDULED PROCEDURE | O | TEXT | 0 | 135 |  | OR |  | N |
| QSURGI | 32 | CaseVerif | CASE VERIFICATION | O | CODE | 0 | 20 |  | OR | YES; NO | N |
| QSURGI | 33 | CodingVerifier | CODING VERIFIER | O | POINTER | 0 | 35 |  | OR |  | N |
| QSURGI | 34 | TimeOutVerified | TIME OUT VERIFIED | O | CODE | 0 | 20 |  | OR | YES; NO | N |
| QSURGI | 35 | PreOpImagingConf | PREOPERATIVE IMAGING CONFIRMED | O | CODE | 0 | 69 |  | OR | YES; IMAGING NOT REQUIRED FOR THIS PROCEDURE; NO - IMAGING REQUIRED BUT NOT VIEWED (see IMAGING CONFIRMED COMMENTS) | N |
| QSURGI | 36 | MarkedSiteConf | MARKED SITE CONFIRMED | O | CODE | 0 | 61 |  | OR | YES; MARKING NOT REQUIRED FOR THIS PROCEDURE; NO - MARKING REQUIRED BUT NOT DONE (see MARKED SITE COMMENTS) | N |
| QSURGI | 37 | HairRemovMeth | HAIR REMOVAL METHOD | O | CODE | 0 | 24 |  | OR | CLIPPER; DEPILATORY; NO HAIR REMOVED; PATIENT REMOVED OWN HAIR; SHAVING; NOT DOCUMENTED; OTHER | N |
| QSURGI | 38 | TOV\_TimeStamp | TOV TIMESTAMP | O | DATE | 0 | 19 | MM/DD/YYYY@hh:mm:ss | OR |  | N |
| QSURGI | 39 | ImagTimeStamp | IMAG TIMESTAMP | O | DATE | 0 | 19 | MM/DD/YYYY@hh:mm:ss | OR |  | N |
| QSURGI | 40 | SiteMkTimeStamp | SITE MARK TIMESTAMP | O | DATE | 0 | 19 | MM/DD/YYYY@hh:mm:ss | OR |  | N |
| QSURGI | 41 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN1 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN1 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN1 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | OR |  | Y |
| QSURGN1 | 4 | SUBIEN(.47) | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGN1 | 5 | ProsthItem | PROSTHESIS ITEM | O | POINTER |  | 30 |  | OR |  | Y |
| QSURGN1 | 6 | Vendor | VENDOR | O | TEXT |  | 64 |  | OR |  | Y |
| QSURGN1 | 7 | Model | MODEL | O | TEXT |  | 64 |  | OR |  | Y |
| QSURGN1 | 8 | Lot/SerialNo | LOT/SERIAL NO | O | TEXT | 0 | 30 |  | OR |  | Y |
| QSURGN1 | 9 | SterileResp | STERILE RESP | O | CODE | 0 | 12 |  | OR | MANUFACTURER SPD; SURGERY | Y |
| QSURGN1 | 10 | Size | SIZE | O | TEXT | 0 | 30 |  | OR |  | Y |
| QSURGN1 | 11 | Quant | QUANTITY | O | NUMERIC | 0 | 5 |  | OR |  | Y |
| QSURGN1 | 12 | ImplantSterileChecked | IMPLANT STERILITY CHECKED | O | CODE | 0 | 3 |  | OR | YES; NO | Y |
| QSURGN1 | 13 | SterileExpDt | STERILITY EXPIRATION DATE | O | DATE | 0 | 10 | MM/DD/YYYY | OR |  | Y |
| QSURGN1 | 14 | RN\_Verif | RN VERIFIER | O | POINTER | 0 | 35 |  | OR |  | Y |
| QSURGN1 | 15 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN2 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN2 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN2 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | OR |  | Y |
| QSURGN2 | 4 | SUBIEN(.48) | N/A | R | NUMERIC | 1 | 1 |  | OR |  | Y |
| QSURGN2 | 5 | TimeTournApp | TIME TOURNIQUET APPLIED | O | DATE | 0 | 16 | MM/DD/YYYY@HH:MM | OR |  | Y |
| QSURGN2 | 6 | SiteApp | SITE APPLIED | O | CODE | 0 |  |  | OR | RIGHT UPPER LEG; RIGHT UPPER ARM; LEFT UPPER LEG; LEFT UPPER ARM; RIGHT ANKLE; LEFT ANKLE; RIGHT LOWER ARM; LEFT LOWER ARM; OTHER | Y |
| QSURGN2 | 7 | TournAppBy | TOURNIQUET APPL. BY | O | POINTER | 0 | 35 |  | OR |  | Y |
| QSURGN2 | 8 | TimeTournRel | TIME TOURNIQUET REL. | O | DATE | 0 | 16 | MM/DD/YYYY@HH:MM | OR |  | Y |
| QSURGN2 | 9 | Pressure | PRESSURE | O | TEXT | 0 | 12 |  | OR |  | Y |
| QSURGN2 | 10 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN4 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | BOTH |  | Y |
| QSURGN4 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | BOTH |  | Y |
| QSURGN4 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | BOTH |  | Y |
| QSURGN4 | 4 | SUBIEN(.27) | N/A | R | NUMERIC | 1 | 15 |  | BOTH |  | N |
| QSURGN4 | 5 | RepFluidType | REPLACEMENT FLUID TYPE | O | POINTER | 0 | 30 |  | BOTH |  | Y |
| QSURGN4 | 6 | FluidQty | QTY OF FLUID | O | NUMERIC | 0 | 6 |  | BOTH |  | Y |
| QSURGN4 | 7 | SourceID | SOURCE ID | O | TEXT | 0 | 30 |  | BOTH |  | Y |
| QSURGN4 | 8 | VAID | VA IDENT | O | TEXT | 0 | 30 |  | BOTH |  | Y |
| QSURGN4 | 9 | RepFluidCmnts | REPLACEMENT FLUID COMMENTS | O | TEXT | 0 | ∞ |  | BOTH |  | Y |
| QSURGN4 | 10 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN5 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | BOTH |  | Y |
| QSURGN5 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | BOTH |  | N |
| QSURGN5 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | BOTH |  | N |
| QSURGN5 | 4 | SUBIEN(.28) | N/A | R | NUMERIC | 1 | 15 |  | BOTH |  | N |
| QSURGN5 | 5 | GenComm | GENERAL COMMENTS | O | TEXT | 0 | ∞ |  | BOTH |  | N |
| QSURGN5 | 6 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN6 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | BOTH |  | Y |
| QSURGN6 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | BOTH |  | Y |
| QSURGN6 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | BOTH |  | Y |
| QSURGN6 | 4 | SUBIEN(.37) | N/A | R | NUMERIC | 1 | 15 |  | BOTH |  | N |
| QSURGN6 | 5 | AnesTech | ANESTHESIA TECHNIQUE | O | CODE | 0 | 25 |  | BOTH | GENERAL MONITORED ANESTHESIA CARE; SPINAL; EPIDURAL; REGIONAL; OTHER, LOCAL;NO ANESTHESIA | Y |
| QSURGN6 | 6 | PrincTech | PRINCIPAL TECH | O | CODE | 0 | 3 |  | BOTH | YES; NO | Y |
| QSURGN6 | 7 | PatStat | PATIENT STATUS | O | CODE | 0 | 7 |  | OR | INDUCED; AWAKE; SEDATED | Y |
| QSURGN6 | 8 | Approach | APPROACH | O | CODE | 0 | 26 |  | BOTH | DIRECT VISION LARYNGOSCOPY; RAPID SEQUENCE; BLIND; BLIND LARYNGOSCOPY; FIBEROPTIC LARYNGOSCOPY | Y |
| QSURGN6 | 9 | Route | ROUTE | O | CODE | 0 | 12 |  | BOTH | ORAL; NASAL; TRACHEOSTOMY | Y |
| QSURGN6 | 10 | LaryngoType | LARYNGOSCOPE TYPE | O | CODE | 0 | 23 |  | BOTH | MACINTOSH; MILLER; GUEDEL; WIS-FOREGGER; FIBEROPTIC STYLET; FIBEROPTIC BRONCHOSCOPE; FIBEROPTIC LARYNGOSCOPE; OTHER | Y |
| QSURGN6 | 11 | LaryngoSize | LARYNGOSCOPE SIZE | O | NUMERIC | 0 | 3 |  | BOTH |  | Y |
| QSURGN6 | 12 | StyletUsed? | STYLET USED (Y/N) | O | CODE | 0 | 3 |  | BOTH | YES; NO | Y |
| QSURGN6 | 13 | LidocTop | LIDOCAINE TOPICAL | O | CODE | 0 | 3 |  | BOTH | YES; NO | Y |
| QSURGN6 | 14 | LidocIV | LIDOCAINE IV |  | CODE | 0 | 3 |  | BOTH | YES; NO | Y |
| QSURGN6 | 15 | TubeType | TUBE TYPE | O | CODE | 0 | 24 |  | BOTH | PVC LOW PRESSURE; SILASTIC LOW PRESSURE; REINFORCED; BIVONA CUFF; 2 LUMEN; RT. ENDOBRONCHIAL; 2 LUMEN, LT; ENDOBRONCHIAL; TRACHEOSTOMY CUFFED; LASER PROTECTED; OTHER | Y |
| QSURGN6 | 16 | TubeSize | TUBE SIZE | O | NUMERIC | 0 | 3 |  | BOTH |  | Y |
| QSURGN6 | 17 | Trauma | TRAUMA | O | CODE | 0 | 31 |  | BOTH | NONE; LIP LACERATION OR HEMATOMA; TOOTH CHIPPED; LOOSENED OR LOST; TONGUE HEMATOMA OR LACERATION; PHARYNGEAL LACERATION; OTHER LARYNGEAL INJURY; FAILURE TO INTUBATE AS INTENDED | Y |
| QSURGN6 | 18 | BiteBlock? | BITE BLOCK (Y/N) | O | CODE | 0 | 3 |  | OR | YES; NO | Y |
| QSURGN6 | 19 | TubeLube | TUBE LUBRICATION | O | CODE | 0 | 3 |  | OR | YES; NO | Y |
| QSURGN6 | 20 | TapedAtLen | TAPED AT LENGTH | O | NUMERIC | 0 | 3 |  | OR |  | Y |
| QSURGN6 | 21 | BrthSndsOkBilat | BREATH SOUNDS OK BILAT | O | CODE | 0 | 3 |  | OR | YES; NO | Y |
| QSURGN6 | 22 | HeatMoistExch | HEAT, MOISTURE EXCHANGER | O | CODE | 0 | 3 |  | BOTH | YES; NO | Y |
| QSURGN6 | 23 | BactFiltInCircuit | BACT. FILTER IN CIRCUIT | O | CODE | 0 | 3 |  | BOTH | YES; NO | Y |
| QSURGN6 | 24 | EndVentTV | END VENT. T.V. | O | NUMERIC | 0 | 5 |  | OR |  | Y |
| QSURGN6 | 25 | EndVentRate | END VENT. RATE | O | NUMERIC | 0 | 4 |  | OR |  | Y |
| QSURGN6 | 26 | ExtubIn | EXTUBATED IN | O | CODE | 0 | 4 |  | BOTH | OR; PACU; SICU | Y |
| QSURGN6 | 27 | ReintubW/I8Hrs | REINTUBATED W/I 8 HRS. | O | CODE | 0 | 3 |  | BOTH | YES; NO | Y |
| QSURGN6 | 28 | Preoxy | PREOXYGENATION | O | CODE | 0 | 3 |  | OR | YES; NO | Y |
| QSURGN6 | 29 | Continous | CONTINUOUS | O | CODE | 0 | 3 |  | BOTH | YES; NO | Y |
| QSURGN6 | 30 | Baricity | BARICITY | O | CODE | 0 | 10 |  | BOTH | HYPERBARIC; HYPOBARIC; ISOBARIC | Y |
| QSURGN6 | 31 | PuncSite | PUNCTURE SITE | O | CODE | 0 | 5 |  | BOTH | L2-3; L3-4; L4-5; L5-S1; OTHER | Y |
| QSURGN6 | 32 | SpinAppr | SPINAL APPROACH | O | CODE | 0 | 7 |  | OR | MIDLINE; LATERAL | Y |
| QSURGN6 | 33 | NeedleSize | NEEDLE SIZE | O | CODE | 0 | 10 |  | BOTH | 20G; 22G; 25G; 16 G TOUHY; 26G | Y |
| QSURGN6 | 34 | EpidMethod | EPIDURAL METHOD | O | CODE | 0 | 18 |  | OR | HANGING DROP; LOSS OF RESISTANCE; BOTH | Y |
| QSURGN6 | 35 | MutlAttempts | MULTIPLE ATTEMPTS | O | CODE | 0 | 3 |  | OR | YES; NO | Y |
| QSURGN6 | 36 | TestDoseVol(ml) | TEST DOSE VOL (ml) | O | NUMERIC | 0 | 2 |  | OR |  | Y |
| QSURGN6 | 37 | DuralPunc | DURAL PUNCTURE | O | CODE | 0 | 3 |  | BOTH | YES; NO | Y |
| QSURGN6 | 38 | CathRemBy | CATHETER REMOVED BY | O | POINTER | 0 | 35 |  | BOTH |  | Y |
| QSURGN6 | 39 | AdminMeth | ADMINISTRATION METHOD | O | CODE | 0 | 13 |  | OR | BOLUS; INTERMITTENT; DRIP INFUSION | Y |
| QSURGN6 | 40 | Purpose | PURPOSE | O | CODE | 0 | 24 |  | OR | FOR SURGICAL PROCEDURE; FOR PAIN RELIEF POST-OP; FOR CHRONIC PAIN CONTROL | Y |
| QSURGN6 | 41 | ExtubBy | EXTUBATED BY | O | POINTER | 0 | 35 |  | BOTH |  | Y |
| QSURGN6 | 42 | AnesComm | ANESTHESIA COMMENTS | O | TEXT | 0 | ∞ |  | OR |  | Y |
| QSURGN6 | 43 | MonAnesCare? | MONITORED ANES CARE ? (Y/N) | O | CODE | 0 | 3 |  | OR | YES; NO | Y |
| QSURGN6 | 44 | Intub? | INTUBATED ? (Y/N) | O | CODE | 0 | 3 |  | BOTH | YES; NO | Y |
| QSURGN6 | 45 | Level | LEVEL | O | CODE | 0 | 9 |  | BOTH | T4; T6; T8; T10; T12; ONE-SIDED | Y |
| QSURGN6 | 46 | Dt/TimeCathRem | DATE/TIME CATHETER REMOVED | O | DATE | 0 | 16 | MM/DD/YYYY@HH:MM | BOTH |  | Y |
| QSURGN6 | 47 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN6A | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | BOTH |  | Y |
| QSURGN6A | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | BOTH |  | Y |
| QSURGN6A | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | BOTH |  | Y |
| QSURGN6A | 4 | SUBIEN(.37) | N/A | R | NUMERIC | 1 | 15 |  | BOTH |  | Y |
| QSURGN6A | 5 | SUBSUBIEN(24) | N/A | R | NUMERIC | 1 | 15 |  | BOTH |  | N |
| QSURGN6A | 6 | AnesAgents | ANESTHESIA AGENTS | O | POINTER | 0 | 40 |  | BOTH |  | Y |
| QSURGN6A | 7 | Dose(mg) | DOSE (mg) | O | TEXT | 0 | 9 |  | BOTH |  | Y |
| QSURGN6A | 8 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN6B | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN6B | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN6B | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | OR |  | Y |
| QSURGN6B | 4 | SUBIEN(.37) | N/A | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN6B | 5 | SUBSUBIEN(32) | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGN6B | 6 | TestDose | TEST DOSE | O | POINTER | 0 | 40 |  | OR |  | Y |
| QSURGN6B | 7 | Dose(mg) | DOSE (mg) | O | TEXT | 0 | 7 |  | OR |  | Y |
| QSURGN6B | 8 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN6C | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | BOTH |  | Y |
| QSURGN6C | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | BOTH |  | Y |
| QSURGN6C | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | BOTH |  | Y |
| QSURGN6C | 4 | SUBIEN(.37) | N/A | R | NUMERIC | 1 | 15 |  | BOTH |  | Y |
| QSURGN6C | 5 | SUBSUBIEN(38) | N/A | R | NUMERIC | 1 | 15 |  | BOTH |  | N |
| QSURGN6C | 6 | BlockSite | BLOCK SITE | O | POINTER | 0 | 80 |  | BOTH |  | Y |
| QSURGN6C | 7 | NeedleLen | NEEDLE LENGTH, CM. | O | NUMERIC | 0 | 6 |  | BOTH |  | Y |
| QSURGN6C | 8 | NeedleGau | NEEDLE GAUGE | O | NUMERIC | 0 | 2 |  | BOTH |  | Y |
| QSURGN6C | 9 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN7 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN7 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGN7 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | OR |  | N |
| QSURGN7 | 4 | SUBIEN(.29) | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGN7 | 5 | NurseCareComm | NURSING CARE COMMENTS | O | TEXT | 0 | ∞ |  | OR |  | N |
| QSURGN7 | 6 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN9 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | BOTH |  | Y |
| QSURGN9 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | BOTH |  | N |
| QSURGN9 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | BOTH |  | N |
| QSURGN9 | 4 | SUBIEN(49) | N/A | R | NUMERIC | 1 | 15 |  | BOTH |  | N |
| QSURGN9 | 5 | specimens | SPECIMENS | O | TEXT | 0 | ∞ |  | BOTH |  | N |
| QSURGN9 | 6 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN10 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN10 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGN10 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | OR |  | N |
| QSURGN10 | 4 | SUBIEN(1) | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGN10 | 5 | OccurComments | OCCURRENCE COMMENTS | O | TEXT | 0 | ∞ |  | OR |  | N |
| QSURGN10 | 6 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN11 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN11 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN11 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | OR |  | Y |
| QSURGN11 | 4 | SUBIEN(1.05) | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGN11 | 5 | reqBloodKind | REQ BLOOD KIND | O | TEXT | 0 | 45 |  | OR |  | Y |
| QSURGN11 | 6 | UnitsReq | UNITS REQ | O | NUMERIC | 0 | 3 |  | OR |  | Y |
| QSURGN11 | 7 | ScrXMatchAutolog | SCREEN, CROSSMATCH, AUTOLOGUS | O | CODE | 0 | 10 |  | OR | CROSSMATCH; SCREEN; AUTOLOGOUS | Y |
| QSURGN11 | 8 | ReasNotUsedSTD | REASON NOT USED STD |  | TEXT | 0 | ∞ |  | OR |  | Y |
| QSURGN11 | 9 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN12 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN12 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGN12 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | OR |  | N |
| QSURGN12 | 4 | SUBIEN(1.15) | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGN12 | 5 | SurgDict | SURGEON'S DICTATION | O | TEXT | 0 | ∞ |  | OR |  | N |
| QSURGN12 | 6 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN13 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | BOTH |  | Y |
| QSURGN13 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | BOTH |  | Y |
| QSURGN13 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | BOTH |  | Y |
| QSURGN13 | 4 | SUBIEN(.42) | N/A | R | NUMERIC | 1 | 15 |  | BOTH |  | N |
| QSURGN13 | 5 | Completed | COMPLETED | O | CODE | 0 | 3 |  | OR | YES; NO | Y |
| QSURGN13 | 6 | ProcCodeComm | PROCEDURE CODE COMMENTS | O | TEXT | 0 | ∞ |  | BOTH |  | Y |
| QSURGN13 | 7 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN13A | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN13A | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN13A | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | OR |  | Y |
| QSURGN13A | 4 | SUBIEN(.42) | N/A | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN13A | 5 | SUBSUBIEN(4) | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGN13A | 6 | OtherProcCPT\_Mod | OTHER PROCEDURE CPT MODIFIER | O | POINTER | 0 | 5 |  | OR |  | Y |
| QSURGN13A | 7 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN13B | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN13B | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN13B | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | OR |  | Y |
| QSURGN13B | 4 | SUBIEN(.42) | N/A | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN13B | 5 | SUBSUBIEN(5) | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGN13B | 6 | OtherAssocDiag | OTHER ASSOC DIAGNOSIS | O | NUMERIC | 0 | 5 |  | OR |  | Y |
| QSURGN13B | 7 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN14 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN14 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN14 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | OR |  | Y |
| QSURGN14 | 4 | SUBIEN(.72) | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGN14 | 5 | OtherPreopDiag | OTHER PREOP DIAGNOSIS | O | TEXT | 0 | 40 |  | OR |  | Y |
| QSURGN14 | 6 | ICD\_DiagCode | ICD DIAGNOSIS CODE | O | POINTER | 0 | 7 |  | OR |  | Y |
| QSURGN14 | 7 | DiagComm | DIAGNOSIS COMMENTS | O | TEXT | 0 | ∞ |  | OR |  | Y |
| QSURGN14 | 8 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN15 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | BOTH |  | Y |
| QSURGN15 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | BOTH |  | Y |
| QSURGN15 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | BOTH |  | Y |
| QSURGN15 | 4 | SUBIEN(.74) | N/A | R | NUMERIC | 1 | 15 |  | BOTH |  | N |
| QSURGN15 | 5 | OtherPostopDiags | OTHER POSTOP DIAGS | O | TEXT | 0 | 40 |  | BOTH |  | Y |
| QSURGN15 | 6 | PlannedICD\_DiagCode | PLANNED ICD DIAGNOSIS CODE | O | POINTER | 0 | 7 |  | BOTH |  | Y |
| QSURGN15 | 7 | DiagComm | DIAGNOSIS COMMENTS | O | TEXT | 0 | ∞ |  | OR |  | Y |
| QSURGN15 | 8 | ServiceConnec | SERVICE CONNECTED | R | CODE | 2 | 3 |  | OR | YES; NO | Y |
| QSURGN15 | 9 | AgentOrangeExp | AGENT ORANGE EXPOSURE | R | CODE | 2 | 3 |  | OR | YES; NO | Y |
| QSURGN15 | 10 | IonRadExp | IONIZING RADIATION EXPOSURE | R | CODE | 2 | 3 |  | OR | YES; NO | Y |
| QSURGN15 | 11 | MilSexTrauma | MILITARY SEXUAL TRAUMA | R | CODE | 2 | 3 |  | OR | YES; NO | Y |
| QSURGN15 | 12 | Head/NeckCancer | HEAD AND/OR NECK CANCER | R | CODE | 2 | 3 |  | OR | YES; NO | Y |
| QSURGN15 | 13 | EnvironContam | ENVIRONMENTAL CONTAMINANTS | R | CODE | 2 | 3 |  | OR | YES; NO | Y |
| QSURGN15 | 14 | CombatVet | COMBAT VET | R | CODE | 2 | 3 |  | OR | YES; NO | Y |
| QSURGN15 | 15 | Proj112/Shad | PROJ 112/SHAD | R | CODE | 2 | 3 |  | OR | YES; NO | Y |
| QSURGN15 | 16 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN16 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN16 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN16 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | OR |  | Y |
| QSURGN16 | 4 | SUBIEN(1.16) | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGN16 | 5 | SepCat | SEPSIS CATEGORY | O | CODE | 0 | 12 |  | OR | SIRS; SEPSIS; SEPTIC SHOCK | Y |
| QSURGN16 | 6 | CPB\_Stat | CPB STATUS | O | CODE | 0 | 10 |  | OR | None; On-bypass; Off-bypass | Y |
| QSURGN16 | 7 | OccurComm | OCCURRENCE COMMENTS | O | TEXT | 0 | ∞ |  | OR |  | Y |
| QSURGN16 | 8 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN17 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN17 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN17 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | OR |  | Y |
| QSURGN17 | 4 | SUBIEN(42) | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGN17 | 5 | DelayCause | DELAY CAUSE | O | POINTER | 0 | 30 |  | OR |  | Y |
| QSURGN17 | 6 | DelayTime | DELAY TIME | O | NUMERIC | 0 | 3 |  | OR |  | Y |
| QSURGN17 | 7 | DelayComm | DELAY COMMENTS | O | TEXT | 0 | ∞ |  | OR |  | Y |
| QSURGN17 | 8 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN18 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN18 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN18 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | OR |  | Y |
| QSURGN18 | 4 | SUBIEN(23) | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGN18 | 5 | ReferPhys | REFERRING PHYSICIAN | O | TEXT | 0 | 50 |  | OR |  | Y |
| QSURGN18 | 6 | StAddr | STREET ADDRESS | O | TEXT | 0 | 75 |  | OR |  | Y |
| QSURGN18 | 7 | City | CITY | O | TEXT | 0 | 45 |  | OR |  | Y |
| QSURGN18 | 8 | State | STATE | O | POINTER | 0 | 30 |  | OR |  | Y |
| QSURGN18 | 9 | ZipCd | ZIP CODE | O | TEXT | 0 | 10 |  | OR |  | Y |
| QSURGN18 | 10 | PhNum | PHONE NUMBER | O | TEXT | 0 | 14 |  | OR |  | Y |
| QSURGN18 | 11 | RefPhy200Link | REF PHY 200 LINK | O | POINTER | 0 | 35 |  | OR |  | Y |
| QSURGN18 | 12 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN19 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN19 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN19 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | OR |  | Y |
| QSURGN19 | 4 | SUBIEN(.111) | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGN19 | 5 | OR\_CircSup | OR CIRC SUPPORT | O | POINTER | 0 | 35 |  | OR |  | Y |
| QSURGN19 | 6 | Status | STATUS | O | CODE | 0 | 13 |  | OR | ORIENTEE; FULLY TRAINED; | Y |
| QSURGN19 | 7 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN19A | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN19A | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN19A | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | OR |  | Y |
| QSURGN19A | 4 | SUBIEN(.111) | N/A | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN19A | 5 | SUBSUBIEN(2) | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGN19A | 6 | TimeOn | TIME ON | O | DATE | 0 | 16 | MM/DD/YYYY@HH:MM | OR |  | Y |
| QSURGN19A | 7 | TimeOff | TIME OFF | O | DATE | 0 | 16 | MM/DD/YYYY@HH:MM | OR |  | Y |
| QSURGN19A | 8 | ReliefReas | REASON FOR RELIEF | O | CODE | 0 | 14 |  | OR | PERSONAL; SHIFT CHANGE; ADMINISTRATIVE; | Y |
| QSURGN19A | 9 | Comment | COMMENT | O | TEXT | 0 | ∞ |  | OR |  | Y |
| QSURGN19A | 10 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN20 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN20 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN20 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | OR |  | Y |
| QSURGN20 | 4 | SUBIEN(.13) | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGN20 | 5 | Restr&PosAids | RESTR & POSITION AIDS | O | POINTER | 0 | 30 |  | OR |  | Y |
| QSURGN20 | 6 | AppBy | APPLIED BY | O | POINTER | 0 | 35 |  | OR |  | Y |
| QSURGN20 | 7 | RestraintComm | RESTRAINT COMMENTS | O | TEXT | 0 | 45 |  | OR |  | Y |
| QSURGN20 | 8 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN21 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | BOTH |  | Y |
| QSURGN21 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | BOTH |  | Y |
| QSURGN21 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | BOTH |  | Y |
| QSURGN21 | 4 | SUBIEN(.757) | N/A | R | NUMERIC | 1 | 15 |  | BOTH |  | N |
| QSURGN21 | 5 | ThermUnit | THERMAL UNIT | O | TEXT | 0 | 30 |  | BOTH |  | Y |
| QSURGN21 | 6 | TimeOn | TIME ON | O | DATE | 0 | 16 | MM/DD/YYYY@HH:MM | BOTH |  | Y |
| QSURGN21 | 7 | Temp | TEMPERATURE | O | NUMERIC | 0 | 10 |  | BOTH |  | Y |
| QSURGN21 | 8 | TimeOff | TIME OFF | O | DATE | 0 | 16 | MM/DD/YYYY@HH:MM | BOTH |  | Y |
| QSURGN21 | 9 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN22 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | BOTH |  | Y |
| QSURGN22 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | BOTH |  | Y |
| QSURGN22 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | BOTH |  | Y |
| QSURGN22 | 4 | SUBIEN(.375) | N/A | R | NUMERIC | 1 | 15 |  | BOTH |  | N |
| QSURGN22 | 5 | Meds | MEDICATIONS | O | POINTER | 0 | 20 |  | BOTH |  | Y |
| QSURGN22 | 6 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN22A | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | BOTH |  | Y |
| QSURGN22A | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | BOTH |  | Y |
| QSURGN22A | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | BOTH |  | Y |
| QSURGN22A | 4 | SUBIEN(.375) | N/A | R | NUMERIC | 1 | 15 |  | BOTH |  | Y |
| QSURGN22A | 5 | SUBSUBIEN(1) | N/A | R | NUMERIC | 1 | 15 |  | BOTH |  | N |
| QSURGN22A | 6 | TimeAdm | TIME ADM | O | DATE | 0 | 16 | MM/DD/YYYY@HH:MM | BOTH |  | Y |
| QSURGN22A | 7 | Dose | DOSE | O | TEXT | 0 | 15 |  | BOTH |  | Y |
| QSURGN22A | 8 | OrdBy | ORDERED BY | O | POINTER | 0 | 35 |  | OR |  | Y |
| QSURGN22A | 9 | AdminBy | ADMIN BY | O | POINTER | 0 | 35 |  | OR |  | Y |
| QSURGN22A | 10 | Route | ROUTE | O | CODE | 0 | 13 |  | BOTH | INTRAVENOUS;TOPICAL;IRRIGATION;INTRAMUSCULAR;RECTAL;SUBLINGUAL;SUBCUTANEOUS;INFILTRATE;OTHER;PREPUMP;ORAL | Y |
| QSURGN22A | 11 | MedComm | MEDICATION COMMENTS | O | TEXT | 0 | 60 |  | OR |  | Y |
| QSURGN22A | 12 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN23 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN23 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN23 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | OR |  | Y |
| QSURGN23 | 4 | SUBIEN(.112) | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGN23 | 5 | OR\_ScrubSupp | OR SCRUB SUPPORT | O | POINTER | 0 | 35 |  | OR |  | Y |
| QSURGN23 | 6 | Status | STATUS | O | CODE | 0 | 20 |  | OR |  | Y |
| QSURGN23 | 7 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN23A | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN23A | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN23A | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | OR |  | Y |
| QSURGN23A | 4 | SUBIEN(.112) | N/A | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN23A | 5 | SUBSUBIEN(1) | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGN23A | 6 | TimeOn | TIME ON | O | DATE | 0 | 16 | MM/DD/YYYY@HH:MM | OR |  | Y |
| QSURGN23A | 7 | TimeOff | TIME OFF | O | DATE | 0 | 16 | MM/DD/YYYY@HH:MM | OR |  | Y |
| QSURGN23A | 8 | ReliefReas | REASON FOR RELIEF | O | CODE | 0 | 20 |  | OR | PERSONAL;SHIFT CHANGE;ADMINISTRATIVE; | Y |
| QSURGN23A | 9 | Comment | COMMENT | O | TEXT | 0 | ∞ |  | OR |  | Y |
| QSURGN23A | 10 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN26 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN26 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN26 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | OR |  | Y |
| QSURGN26 | 4 | SUBIEN(.39) | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGN26 | 5 | Irrigation | IRRIGATION | O | POINTER | 0 | 30 |  | OR |  | Y |
| QSURGN26 | 6 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN26A | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN26A | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN26A | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | OR |  | Y |
| QSURGN26A | 4 | SUBIEN(.39) | N/A | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN26A | 5 | SUBSUBIEN(1) | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGN26A | 6 | Time | TIME | O | DATE | 0 | 16 | MM/DD/YYYY@HH:MM | OR |  | Y |
| QSURGN26A | 7 | AmtUsed | AMOUNT USED | O | NUMERIC | 0 | 10 |  | OR |  | Y |
| QSURGN26A | 8 | Provider | PROVIDER | O | POINTER | 0 | 35 |  | OR |  | Y |
| QSURGN26A | 9 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN27 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | BOTH |  | Y |
| QSURGN27 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | BOTH |  | Y |
| QSURGN27 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | BOTH |  | Y |
| QSURGN27 | 4 | SUBIEN(.293) | N/A | R | NUMERIC | 1 | 15 |  | BOTH |  | N |
| QSURGN27 | 5 | monitors | MONITORS | O | POINTER | 0 | 30 |  | BOTH |  | Y |
| QSURGN27 | 6 | TimeInstalled | TIME INSTALLED | O | DATE | 0 | 16 | MM/DD/YYYY@HH:MM | BOTH |  | Y |
| QSURGN27 | 7 | TimeRem | TIME REMOVED | O | DATE | 0 | 16 | MM/DD/YYYY@HH:MM | BOTH |  | Y |
| QSURGN27 | 8 | AppBy | APPLIED BY | O | POINTER | 0 | 35 |  | BOTH |  | Y |
| QSURGN27 | 9 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN28 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN28 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN28 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | OR |  | Y |
| QSURGN28 | 4 | SUBIEN(30) | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGN28 | 5 | OtherScrubAssts | OTHER SCRUBBED ASSISTANTS | O | POINTER | 0 | 35 |  | OR |  | Y |
| QSURGN28 | 6 | Comments | COMMENTS | O | TEXT | 0 | ∞ |  | OR |  | Y |
| QSURGN28 | 7 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN29 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN29 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN29 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | OR |  | Y |
| QSURGN29 | 4 | SUBIEN(.145) | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGN29 | 5 | RetToSurg | RETURNED TO SURGERY | O | POINTER | 0 | 10 |  | OR |  | Y |
| QSURGN29 | 6 | Reason | REASON | O | CODE | 0 | 12 |  | OR | RETREATMENT;COMPLICATION;NEW PROBLEM | Y |
| QSURGN29 | 7 | Related/Unrelated | RELATED/UNRELATED | O | CODE | 0 | 22 |  | OR | UNRELATED TO THIS CASE;RELATED TO THIS CASE | Y |
| QSURGN29 | 8 | RetToSurgComm | RET TO SURGERY COMMENTS | O | TEXT | 0 | ∞ |  | OR |  | Y |
| QSURGN29 | 9 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN32 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN32 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN32 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | OR |  | Y |
| QSURGN32 | 4 | SUBIEN(31) | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGN32 | 5 | OtherPersInOR | OTHER PERSONS IN OR | O | TEXT | 0 | 40 |  | OR |  | Y |
| QSURGN32 | 6 | Title/Org | TITLE/ORGANIZATION | O | TEXT | 0 | 60 |  | OR |  | Y |
| QSURGN32 | 7 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN36 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN36 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN36 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | OR |  | Y |
| QSURGN36 | 4 | SUBIEN(53) | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGN36 | 5 | NonOperOccur | NON-OPERATIVE OCCURRENCES | O | TEXT | 0 | 40 |  | OR |  | Y |
| QSURGN36 | 6 | OutcomeToDt | OUTCOME TO DATE | O | CODE | 0 | 10 |  | OR | UNRESOLVED;IMPROVED;DEATH;WORSE; | Y |
| QSURGN36 | 7 | DtOccurNoted | DATE OCCURRENCE NOTED | O | DATE | 0 | 16 | MM/DD/YYYY@HH:MM | OR |  | Y |
| QSURGN36 | 8 | TreatInst | TREATMENT INSTITUTED | O | TEXT | 0 | 40 |  | OR |  | Y |
| QSURGN36 | 9 | OccurCateg | OCCURRENCE CATEGORY | R | POINTER | 3 | 60 |  | OR |  | Y |
| QSURGN36 | 10 | OccurComm | OCCURRENCE COMMENTS | O | TEXT | 0 | ∞ |  | OR |  | Y |
| QSURGN36 | 11 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN38 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | NON |  | Y |
| QSURGN38 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | NON |  | N |
| QSURGN38 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | NON |  | N |
| QSURGN38 | 4 | SUBIEN(59) | N/A | R | NUMERIC | 1 | 15 |  | NON |  | N |
| QSURGN38 | 5 | OperatFind | OPERATIVE FINDINGS | O | TEXT | 0 | ∞ |  | NON |  | N |
| QSURGN38 | 6 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN39 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | BOTH |  | Y |
| QSURGN39 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | BOTH |  | N |
| QSURGN39 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | BOTH |  | N |
| QSURGN39 | 4 | SUBIEN(60) | N/A | R | NUMERIC | 1 | 15 |  | BOTH |  | N |
| QSURGN39 | 5 | BriefClinHist | BRIEF CLIN HISTORY | O | TEXT | 0 | ∞ |  | BOTH |  | N |
| QSURGN39 | 6 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN40 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | BOTH |  | Y |
| QSURGN40 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | BOTH |  | N |
| QSURGN40 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | BOTH |  | N |
| QSURGN40 | 4 | SUBIEN(55) | N/A | R | NUMERIC | 1 | 15 |  | BOTH |  | N |
| QSURGN40 | 5 | IndicationsForOp | INDICATIONS FOR OPERATIONS | O | TEXT | 0 | ∞ |  | BOTH |  | N |
| QSURGN40 | 6 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN41 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN41 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGN41 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | OR |  | N |
| QSURGN41 | 4 | SUBIEN(64) | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGN41 | 5 | Cultures | CULTURES | O | TEXT | 0 | ∞ |  | OR |  | N |
| QSURGN41 | 6 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN42 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN42 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN42 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | OR |  | Y |
| QSURGN42 | 4 | SUBIEN(65) | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGN42 | 5 | SurgPos | SURGERY POSITION | O | POINTER | 0 | 45 |  | OR |  | Y |
| QSURGN42 | 6 | TimePlaced | TIME PLACED | O | DATE | 0 | 16 | MM/DD/YYYY@HH:MM | OR |  | Y |
| QSURGN42 | 7 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN43 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | NON |  | Y |
| QSURGN43 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | NON |  | Y |
| QSURGN43 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | NON |  | Y |
| QSURGN43 | 4 | SUBIEN(126) | N/A | R | NUMERIC | 1 | 15 |  | NON |  | N |
| QSURGN43 | 5 | ProcOccur | PROCEDURE OCCURRENCE | O | TEXT | 0 | 40 |  | NON |  | Y |
| QSURGN43 | 6 | OutcomeToDt | OUTCOME TO DATE | O | CODE | 0 | 20 |  | NON | U:UNRESOLVED  I:IMPROVED  D:DEATH  W:WORSE | Y |
| QSURGN43 | 7 | DtOccurNoted | DATE OCCURRENCE NOTED | O | DATE | 0 | 16 | MM/DD/YYYY@HH:MM | NON |  | Y |
| QSURGN43 | 8 | TreatInst | TREATMENT INSTITUTED | O | TEXT | 0 | 40 |  | NON |  | Y |
| QSURGN43 | 9 | OccurCateg | OCCURRENCE CATEGORY | O | POINTER | 0 | 60 |  | NON |  | Y |
| QSURGN43 | 10 | OccurComm | OCCURRENCE COMMENTS | O | TEXT | 0 | ∞ |  | NON |  | Y |
| QSURGN43 | 11 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN44 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN44 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN44 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | OR |  | Y |
| QSURGN44 | 4 | SUBIEN(129) | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGN44 | 5 | LaserUnit/ID | LASER UNIT/ID | O | TEXT | 0 | 30 |  | OR |  | Y |
| QSURGN44 | 6 | LaserDur | LASER DURATION | O | NUMERIC | 0 | 10 |  | OR |  | Y |
| QSURGN44 | 7 | Watt | WATTAGE | O | NUMERIC | 0 | 10 |  | OR |  | Y |
| QSURGN44 | 8 | LaserOp | LASER OPERATOR | O | POINTER | 0 | 35 |  | OR |  | Y |
| QSURGN44 | 9 | PlumeEvac | PLUME EVACUATOR | O | CODE | 0 | 3 |  | OR | YES; NO | Y |
| QSURGN44 | 10 | LaserComm | LASER COMMENTS | O | TEXT | 0 | ∞ |  | OR |  | Y |
| QSURGN44 | 11 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN45 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN45 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN45 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | OR |  | Y |
| QSURGN45 | 4 | SUBIEN(130) | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGN45 | 5 | CellSaverID | CELL SAVER ID | O | TEXT | 0 | 30 |  | OR |  | Y |
| QSURGN45 | 6 | CellSaverOp | CELL SAVER OPERATOR | O | POINTER | 0 | 35 |  | OR |  | Y |
| QSURGN45 | 7 | AmtSalv(ML) | AMT SALVAGED (ML) | O | NUMERIC | 0 | 10 |  | OR |  | Y |
| QSURGN45 | 8 | AmtReinfused(ML) | AMT REINFUSED (ML) | O | NUMERIC | 0 | 10 |  | OR |  | Y |
| QSURGN45 | 9 | CellSavComm | CELL SAVER COMMENTS | O | TEXT | 0 | ∞ |  | OR |  | Y |
| QSURGN45 | 10 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN45A | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN45A | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN45A | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | OR |  | Y |
| QSURGN45A | 4 | SUBIEN(130) | N/A | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN45A | 5 | SUBSUBIEN(4) | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGN45A | 6 | DisposName | DISPOSABLES NAME | O | TEXT | 0 | 30 |  | OR |  | Y |
| QSURGN45A | 7 | LotNum | LOT NUMBER | O | TEXT | 0 | 30 |  | OR |  | Y |
| QSURGN45A | 8 | Quant | QUANTITY | O | NUMERIC | 0 | 10 |  | OR |  | Y |
| QSURGN45A | 9 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN47 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN47 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGN47 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | OR |  | N |
| QSURGN47 | 4 | SUBIEN(904) | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGN47 | 5 | DeathRevComm | REVIEW OF DEATH COMMENTS | O | TEXT | 0 | ∞ |  | OR |  | N |
| QSURGN47 | 6 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN48 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN48 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGN48 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | OR |  | N |
| QSURGN48 | 4 | SUBIEN(1.2) | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGN48 | 5 | PostOpAnesNt | POSTOP ANES NOTE | O | TEXT | 0 | ∞ |  | OR |  | N |
| QSURGN48 | 6 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN49 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN49 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGN49 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | OR |  | N |
| QSURGN49 | 4 | SUBIEN(508) | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGN49 | 5 | HairRemovComm | HAIR REMOVAL COMMENTS | O | TEXT | 0 | ∞ |  | OR |  | N |
| QSURGN49 | 6 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN50 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | BOTH |  | Y |
| QSURGN50 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | BOTH |  | Y |
| QSURGN50 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | BOTH |  | Y |
| QSURGN50 | 4 | SUBIEN(.213) | N/A | R | NUMERIC | 1 | 15 |  | BOTH |  | N |
| QSURGN50 | 5 | AnesCareMultStartTime | ANES CARE MULTIPLE START TIME | O | DATE | 0 | 16 | MM/DD/YYYY@HH:MM | BOTH |  | Y |
| QSURGN50 | 6 | AnesCareMultEndTime | ANES CARE MULTIPLE END TIME | O | DATE | 0 | 16 | MM/DD/YYYY@HH:MM | BOTH |  | Y |
| QSURGN50 | 7 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN55 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | BOTH |  | Y |
| QSURGN55 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | BOTH |  | Y |
| QSURGN55 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | BOTH |  | Y |
| QSURGN55 | 4 | SUBIEN(.3513) | N/A | R | NUMERIC | 1 | 15 |  | BOTH |  | N |
| QSURGN55 | 5 | AnesConcurCases | ANES CONCURRENT CASES | O | POINTER | 0 | 10 |  | BOTH |  | Y |
| QSURGN55 | 6 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN80 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN80 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGN80 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | OR |  | N |
| QSURGN80 | 4 | SUBIEN(80) | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGN80 | 5 | SPDComm | SPD COMMENTS | O | TEXT | 0 | ∞ |  | OR |  | N |
| QSURGN80 | 6 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN82 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN82 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGN82 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | OR |  | N |
| QSURGN82 | 4 | SUBIEN(82) | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGN82 | 5 | TimeOutVerifComm | TIME OUT VERIFIED COMMENTS | O | TEXT | 0 | ∞ |  | OR |  | N |
| QSURGN82 | 6 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN83 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN83 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGN83 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | OR |  | N |
| QSURGN83 | 4 | SUBIEN(83) | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGN83 | 5 | ImageConfComm | IMAGING CONFIRMED COMMENTS | O | TEXT | 0 | ∞ |  | OR |  | N |
| QSURGN83 | 6 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN84 | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN84 | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGN84 | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | OR |  | N |
| QSURGN84 | 4 | SUBIEN(84) | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGN84 | 5 | MkdSiteComm | MARKED SITE COMMENTS | O | TEXT | 0 | ∞ |  | OR |  | N |
| QSURGN84 | 6 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN\_OPMOD | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | BOTH |  | Y |
| QSURGN\_OPMOD | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | BOTH |  | Y |
| QSURGN\_OPMOD | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | BOTH |  | Y |
| QSURGN\_OPMOD | 4 | SUBIEN(28) | N/A | R | NUMERIC | 1 | 15 |  | BOTH |  | N |
| QSURGN\_OPMOD | 5 | PrinProcCPTMod | PRIN. PROCEDURE CPT MODIFIER | O | POINTER | 0 | 5 |  | BOTH |  | Y |
| QSURGN\_OPMOD | 6 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

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| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| QSURGN\_PADX | 1 | DFN | PATIENT | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN\_PADX | 2 | IEN | N/A | R | NUMERIC | 1 | 15 |  | OR |  | Y |
| QSURGN\_PADX | 3 | OR | N/A | R | NUMERIC | 1 | 1 |  | OR |  | Y |
| QSURGN\_PADX | 4 | SUBIEN(27.5) | N/A | R | NUMERIC | 1 | 15 |  | OR |  | N |
| QSURGN\_PADX | 5 | PrinAssocDiag | PRIN ASSOC DIAGNOSIS | O | NUMERIC | 0 | 10 |  | OR |  | Y |
| QSURGN\_PADX | 6 | Facility | N/A | R | TEXT | 3 | 7 |  | BOTH |  | N |

The table below describes the PROVTBL extract. It is different from the rest of the extracts in that it does not output extracted records of data. It only provides the DUZs and names of all persons involved in the cases from the New Person File 200 for the given date range. It is only intended as a means to match the DUZs of the providers with their names as stored in file 200. It will allow a user to look up a provider name based on the DUZ found in the record of question. Because it is built along with the Surgery Extracts it includes all the providers involved in all of the extracted Surgery records in the provided date range, and only those providers. Duplicates are not allowed in this table.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| PROVTBL | 1 | DUZ | \* | R | POINTER | 3 | 35 |  | BOTH |  | N |
| PROVTBL | 2 | NAME | \* | R | POINTER | 3 | 35 |  | BOTH |  | N |

**\*List of Fields used in PROVTBL**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Vista Field Name** | **GL Loc** | **Field #** | **Extracted In** | **ExtractHdr** |  |  |  |  |  |  |  |
| HAIR REMOVAL BY | SRF(D0,.1) | .12 | QSURGC | HairRemBy |  |  |  |  |  |  |  |
| SURGEON | SRF(D0,.1) | .14 | QSURG | Surgeon |  |  |  |  |  |  |  |
| FIRST ASST | SRF(D0,.1) | .15 | QSURGC | 1stAsst |  |  |  |  |  |  |  |
| SECOND ASST | SRF(D0,.1) | .16 | QSURGC | 2ndAsst |  |  |  |  |  |  |  |
| ATTEND SURG | SRF(D0,.1) | .164 | QSURG | AttendSurg |  |  |  |  |  |  |  |
| PERFUSIONIST | SRF(D0,.1) | .167 | QSURGC | Perfusionist |  |  |  |  |  |  |  |
| ASST PERFUSIONIST | SRF(D0,.1) | .168 | QSURGC | AsstPerfusionist |  |  |  |  |  |  |  |
| SKIN PREPPED BY (1) | SRF(D0,.1) | .18 | QSURGC | SkinPreppedBy1 |  |  |  |  |  |  |  |
| SKIN PREPPED BY (2) | SRF(D0,.1) | 4 | QSURGC | SkinPreppedBy2 |  |  |  |  |  |  |  |
| SKIN PREPPED BY (3) | SRF(D0,.1) | 5 | QSURGC | SkinPreppedBy3 |  |  |  |  |  |  |  |
| PRINC ANESTHETIST | SRF(D0,.3) | .31 | QSURGC | PrincAnes |  |  |  |  |  |  |  |
| RELIEF ANESTHETIST | SRF(D0,.3) | .32 | QSURGC | ReliefAnes |  |  |  |  |  |  |  |
| ASST ANESTHETIST | SRF(D0,.3) | .33 | QSURGC | AsstAnes |  |  |  |  |  |  |  |
| ANESTHESIOLOGIST SUPVR | SRF(D0,.3) | .34 | QSURG | AnesthesiologistSupvr |  |  |  |  |  |  |  |
| IV STARTED BY | SRF(D0,.3) | 63 | QSURGC | IVStartedBy |  |  |  |  |  |  |  |
| VERIFIER | SRF(D0,.5) | .522 | QSURGC | Verifier |  |  |  |  |  |  |  |
| INST CNT VERF BY | SRF(D0,.5) | .525 | QSURGC | InstCntVerfBy |  |  |  |  |  |  |  |
| FOLEY CATHETER INSERTED BY | SRF(D0,.5) | .57 | QSURGC | FoleyCathInsertBy |  |  |  |  |  |  |  |
| CHECKLIST CONFIRMED BY | SRF(D0,.6) | .69 | QSURGD | ValidID/ConsentConfBy |  |  |  |  |  |  |  |
| DIAGNOSTIC RESULTS CONFIRM BY | SRF(D0,.6) | 61 | QSURGD | DiagResultsConfBy |  |  |  |  |  |  |  |
| RN VERIFIER | SRF(D0,1,D1,2) | 10 | QSURGN1 | RN\_Verif |  |  |  |  |  |  |  |
| SURG SCHED PERSON | SRF(D0,1.0) | 1.099 | QSURGI | SurgSchedPerson |  |  |  |  |  |  |  |
| TOURNIQUET APPL. BY | SRF(D0,2,D1,0) | 2 | QSURGN2 | TournAppBy |  |  |  |  |  |  |  |
| CATHETER REMOVED BY | SRF(D0,6,D1,3) | 35 | QSURGN6 | CathRemBy |  |  |  |  |  |  |  |
| EXTUBATED BY | SRF(D0,6,D1,6) | 39 | QSURGN6 | ExtubBy |  |  |  |  |  |  |  |
| REF PHY 200 LINK | SRF(D0,18,D1,0) | 6 | QSURGN18 | RefPhy200Link |  |  |  |  |  |  |  |
| OR CIRC SUPPORT | SRF(D0,19,D1,0) | .01 | QSURGN19 | OR\_CircSup |  |  |  |  |  |  |  |
| APPLIED BY | SRF(D0,20,D1,0) | 1 | QSURGN20 | AppBy |  |  |  |  |  |  |  |
| ORDERED BY | SRF(D0,22,D1,1,D2,0) | 2 | QSURGN22A | OrdBy |  |  |  |  |  |  |  |
| ADMIN BY | SRF(D0,22,D1,1,D2,0) | 3 | QSURGN22A | AdminBy |  |  |  |  |  |  |  |
| OR SCRUB SUPPORT | SRF(D0,23,D1,0) | .01 | QSURGN23 | OR\_ScrubSupp |  |  |  |  |  |  |  |
| SPONGE, SHARPS, & INST COUNTER | SRF(D0,25) | 47 | QSURGE | SpongeSharpsInstrCntr |  |  |  |  |  |  |  |
| COUNT VERIFIER | SRF(D0,25) | 48 | QSURGE | CntVerifier |  |  |  |  |  |  |  |
| PROVIDER | SRF(D0,26,D1,1,D2,0) | 2 | QSURGN26A | Provider |  |  |  |  |  |  |  |
| APPLIED BY | SRF(D0,27,D1,0) | 3 | QSURGN27 | AppBy |  |  |  |  |  |  |  |
| OTHER SCRUBBED ASSISTANTS | SRF(D0,28,D1,0) | .01 | QSURGN28 | OtherScrubAssts |  |  |  |  |  |  |  |
| CANCELLED BY | SRF(D0,30) | 70 | QSURGE | CancelledBy |  |  |  |  |  |  |  |
| LASER OPERATOR | SRF(D0,44,D1,0) | 3 | QSURGN44 | LaserOp |  |  |  |  |  |  |  |
| CELL SAVER OPERATOR | SRF(D0,45,D1,0) | 1 | QSURGN45 | CellSaverOp |  |  |  |  |  |  |  |
| PROVIDER | SRF(D0,NON) | 123 | QSURGI | Provider |  |  |  |  |  |  |  |
| ATTEND PROVIDER | SRF(D0,NON) | 124 | QSURGI | AttdProvider |  |  |  |  |  |  |  |
| CODING VERIFIER | SRF(D0,VER) | 69 | QSURGI | CodingVerifier |  |  |  |  |  |  |  |

# Patient Table

The table below describes the PATTBL extract. It is different from the rest of the extracts in that it does not output extracted records of data. It only provides the DFNs, names, and birthdates of **all** patients extracted in a given DSIHX extract run. It is only intended as a means to match the DFNs of the patients with their names and birthdates as stored in the PATIENT file. It will allow a user to look up a patient name based on the DFN found in the record of question. It is not intended for any other purpose than to serve as a look-up table for patient names and birthdates. Duplicates are not allowed in this table.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| PATTBL | 1 | DFN | \* | R | TEXT | 1 | 40 |  | BOTH |  | N |
| PATTBL | 2 | NAME | NAME | R | TEXT | 1 | 100 |  | BOTH |  | N |
| PATTBL | 2 | DOB | DATE OF BIRTH | R | DATE | 8 | 10 |  | BOTH |  | N |
|  |  |  |  |  |  |  |  |  |  |  |  |

# Extract Log

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Extract File** | **Extract Position** | **Extract Header** | **VistA Field Name** | **Required** | **Data Type** | **Char Min** | **Char Max** | **Precision** | **OR / NON-OR** | **Code Values** | **Repetition** |
| Extract Log | 1 | NUMBER | RECORD NUMBER | R | NUMERIC | 1 | 9 |  | BOTH |  | N |
| Extract Log | 2 | RUN\_DATE | EXTRACT DATE | O | DATE | 0 | 10 | MM/DD/YYYY | BOTH |  | N |
| Extract Log | 3 | DATA\_TYPE | TYPE | O | TEXT | 0 | 20 |  | BOTH |  | N |
| Extract Log | 4 | START\_DATE | START DATE/TIME | O | DATE | 0 | 19 | MM/DD/YYYY@hh:mm:ss | BOTH |  | N |
| Extract Log | 5 | END\_DATE | END DATE/TIME | O | DATE | 0 | 19 | MM/DD/YYYY@hh:mm:ss | BOTH |  | N |
| Extract Log | 6 | NUM\_REC | NUMBER OF RECORDS | O | NUMERIC | 0 | 6 |  | BOTH |  | N |
| Extract Log | 7 | EXTRACT\_GROUP | EXTRACT GROUP | O | POINTER | 0 | 30 |  | BOTH |  | N |

**Extract Log Field Descriptions:**

**NUMBER -** Sequential number for this extract record

**RUN\_DATE –** The date the extract was run

**DATA\_TYPE –** The type/name of the extract run

**START\_DATE -** The beginning date for the block of time covered by the extract.

**END\_DATE -** The ending date for the block of time covered by the extract.

**NUM\_REC** – The number of records included in this extract. A value of -1 in this field means no surgery records were extracted for that file.

**EXTRACT\_GROUP -** The Extract Group definition which defined the parameters for this extract.