

"Quality Improvement through Quality Data"

User Guide for the 2022 ACS NSQIP Participant Use Data File (PUF)

American College of Surgeons National Surgical Quality Improvement Program

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1. Introduction

This document is designed to accompany the 2022 Participant Use Data File (PUF) available for download on the American College of Surgeons National Surgical Quality Improvement Program (ACS NSQIP[®]) website (<u>https://www.facs.org/quality-programs/data-and-registries/acs-nsqip/</u>). The sections contained herein will provide the user with information on how to request the PUF, the contents of the data files, the data collection background, the inclusion and exclusion criteria for cases and hospitals, the data limitations, and the data point definitions and descriptions.

This user guide applies specifically to the 2022 PUF. Hospitals utilizing the PUF from a different year should refer to the user guide specifically tailored to that particular data set.

2. Data Request Process

An individual who has an official appointment at a fully enrolled site and wants to obtain a copy of the ACS NSQIP PUF can do so by visiting <u>https://www.facs.org/quality-programs/data-and-registries/acs-nsqip/participant-use-data-file/</u> and following the steps listed below:

- 1. From the ACS NSQIP PUF main page (<u>https://www.facs.org/quality-programs/data-and-registries/acs-nsqip/participant-use-data-file/</u>) the requestor can scroll down towards the bottom of the page. From there, you can click on the navy blue "Request Data Set" box.
- 2. This will take the requestor to the PUF request page and Data Use Agreement. The DUA is a 3-page document that implements the data protections of the Health Insurance Portability and Accountability Act of 1996 (HIPAA) and the ACS NSQIP Hospital Participation Agreement. Delivery of the PUF is contingent on agreement to the terms and conditions specified within the Data Use Agreement. You can read the Data Use Agreement from this page or download the 3-page document. The requestor is then required to type in their first and last name and click on "Request Data File." By clicking on "Request Data File" the requestor agrees to the terms and conditions of the Data Use Agreement.
- 3. Requestors will then be required to complete a brief online form to provide ACS with basic information about themselves, including the participating hospital in which they are currently employed and in what capacity, as well as how the requestor plans on using the PUF data. Once all of the required fields are completed, the requestor clicks "Submit."
- 4. ACS NSQIP staff will review the request in a timely manner. Program contacts at participating sites will be contacted at this time to confirm the requestor's affiliation with the hospital and confirm internal approval of the PUF request.

- 5. Following receipt and confirmation of the information submitted, an email will be sent to the requestor containing a username and password along with the URL to download the data. The web link will be active from the time of the email for 10 full days (240 hours).
- 6. The file will be available in three different formats (Text, SPSS, SAS) and depending on the connection speed should take between 5 and 30 minutes to download.
- 7. The requestor may be contacted to confirm receipt of the data file and allow for feedback on the delivery mechanism, data points contained, and data file format.

3. File Description

Each summer/fall a PUF will be made available for the previous calendar year's data. The PUF is available in one of three different formats - Text, SAS, and SPSS. In 2008, we provided an additional file that contains SAS and SPSS codes for constructing RACE variable that was available in previous years. The 2022 file contains 270 variables for each case, and a variable-by-variable description is provided starting on page 13.

File Name	Туре	Uncompressed File Size	Description
ACS_NSQIP_PUF22.txt	tab delimited TXT file	1.6 GB	Contains 270 HIPAA compliant variables on 1,011,899 cases submitted from 702 sites in 2022.
ACS_NSQIP_PUF22.sas7bdat	SAS 9.2 data file	6.2 GB	Same information as stated above in SAS data format.
ACS_NSQIP_PUF22.sav	SPSS 16.0 data file	6.8 GB	Same information as stated above in TXT and SAS data format.

A brief description of the different formats follows:

4. Data Variable Updates

The "Data Variables" list begins on Page 13 of this document.

The "Variable Definition" column (as it appeared in the PUF User Guides from 2005-2014) has been removed. It has been replaced by a column titled: "Search Term in Chapter 4…"

Beginning with the 2016 PUF, abbreviated definitions have been removed from the Variable Definition field. So that investigators will have ready access to complete and authoritative variable definitions (rather than past definitions which may be incomplete and potentially misleading with respect to nuanced clinical features of importance to the investigator), the "Search Term in Chapter 4..." field now contains a search term that will locate the complete definition in Chapter 4 of the "ACS NSQIP Operations Manual" - the authoritative variable definition reference manual used by SCRs. Please be aware that Chapter 4 definitions are year specific, though dramatic changes are rare.

Variables names have been reconciled so that you can copy the entire text within an individual cell from the column titled "Search Term in Chapter 4" in the User Guide and paste it into a search field (you can create a search field by simultaneously hitting Ctrl and F on your keyboard) in Chapter 4. Once the text is copied into the search field and enter is hit, you will see the variable definition and other information pertinent to that particular variable.

To support this new process, investigators receiving the PUF will have the opportunity to download a Chapter 4 corresponding to the specific PUF year (*beginning with data for 2015*). Appropriate definitions will continue to be provided in the "Search Term in Chapter 4…" field for those variables that are constructed specifically for the PUF and do not exist in Chapter 4.

Chapter 4 will be made available to you for download with the rest of your requested PUF files or by contacting your hospital's Surgical Clinical Reviewer (SCR). Data Use Agreements will now apply to the use and distribution of Chapter 4, as well as PUF data itself.

Beginning with the 2016 PUF, the variable, "PUFYEAR" has been added to the dataset. This variable will allow you to identify the appropriate Chapter 4 for data that has been merged across several years.

In prior years we have retained data fields for historical variables that are no longer collected and inserted missing values. Beginning this year, we are dropping all variables that are not currently collected. Thus, the number of variables included in the Essential PUF is fewer this year than in past years. Also, because the position of data fields is no longer consistent across years, it will no longer be possible to join data across years by merely concatenating files. Files will need to be merged by variable name using appropriate statistical software.

5. Data Collection Background and Data Quality

The ACS NSQIP collects data on over 150 variables, including preoperative risk factors, intraoperative variables, and 30-day postoperative mortality and morbidity outcomes for patients undergoing major surgical procedures in both the inpatient and outpatient setting. A site's trained and certified Surgical Clinical Reviewer (SCR) captures these data using a variety of methods including medical chart abstraction.

Required data variables are entered via web-based data collection to the ACS NSQIP website. Portions of the data may be automatically populated by a software program that was developed to extract data from the participating hospital's existing information systems. Requestors should contact the SCR(s) at their hospital for detailed information on how the hospital collects its ACS NSQIP data.

To ensure the data collected are of the highest quality, the ACS NSQIP has developed a host of different training mechanisms for the SCRs and conducts an Inter-Rater Reliability (IRR) Audit of selected participating sites. In addition to an initial web-based training program, the ACS NSQIP requires SCRs to complete a series of web-based training modules followed by a certification exam that must be retaken annually. The modules and certification exam focus on the program, processes, and analysis; preoperative, intraoperative, and postoperative definitions; and case studies. These modules are complemented by a growing online decision support system that ensures the SCRs have the knowledge and resources available to collect high-quality data.

The IRR Audit is a fundamental tool of ACS NSQIP to assess the quality of the data collected at participating sites. The process involves the review of multiple charts, some of which are selected randomly and others selected based on criteria designed to identify potential reporting errors. For example, cases with five or more preoperative risk factors and no reported mortality or morbidity or cases with two or fewer preoperative risk factors and reported mortality or morbidity will be selected for chart review. Operating room logs are also audited to ensure correct sampling of cases.

The combined results of the audits completed to date revealed an overall disagreement rate of approximately 2% for all assessed program variables. The ACS NSQIP has determined that an IRR Audit disagreement rate of 5% or less is acceptable. Sites that have higher than a 5% disagreement rate are not provided a hospital odds ratio in the ACS NSQIP Semiannual Report and may be required to undergo an additional audit following training and education recommendations from the ACS NSQIP.

6. Sampling Process and Case Exclusion Criteria

Sites participating in the ACS NSQIP can do so in a variety of options that cover general/vascular surgery, multispecialty surgery, or procedure targeted (reported separately). Each participation option includes a systematic sampling process that is described below.

Systematic Sampling Process

Larger institutions normally experience a significant volume of surgical cases. This presents the problem of managing an overwhelming workload. In order to prevent bias in choosing cases for assessment, a systematic sampling process was developed. An important tool to utilize while performing the systematic sampling process is the 8-Day Cycle Schedule. The 8-day cycle works as follows: If the first 'cycle' begins on a Monday, it continues through to include the following Monday (an 8-day period of time). The next cycle begins on Tuesday and continues through to include the following Tuesday. And so on. This process assures that over time cases have equal chances of being selected from each day of the week.

Note: There are some exceptions to the systematic sampling inclusion. Hospitals participating in the Small & Rural option will collect all ACS NSQIP-eligible cases at their hospital. Hospitals participating in Essentials or in the Procedure Targeted options are provided with sampling requirements specific to their site and may opt to collect more than the specified sampling requirements if resources allow.

Case Exclusion Criteria

The following exclusion criteria were applied to cases collected in 2022. For the current inclusion/exclusion criteria please contact the ACS NSQIP Clinical Support Team at clinicalsupport@acsnsqip.org.

- Minor Cases (all cases that are not considered Major)
- Patients under the age of 18 years.
- Patient for the case in question has been assigned with an ASA score of 6 (brain-death organ donors).
- Cases involving Hyperthermic Intraperitoneal Chemotherapy (HIPEC)
- Trauma cases: Any patient that meets the trauma exclusion criteria will be excluded.
- Transplant cases: For any patient who is admitted to the hospital and has a transplant procedure, that transplant procedure and any additional surgical procedure during the transplant hospitalization will be excluded.

- Cases beyond three per cycle for limited cases: For each program option (excluding Small & Rural), only a maximum of three cases from each of the below procedures should be included per 8-day cycle. Any case beyond the case limit of three for any of these procedures should be excluded.
 - Inguinal Herniorrhaphies
 - Breast Lumpectomies
 - Laparoscopic Cholecystectomies
 - TURPs and/or TURBTs (This limit does not apply for Procedure Targeted sites that are targeting TURPs.)
- Cases beyond the required number per your site's contract for each cycle.
- A return to the operating room that is related to an occurrence or complication of a prior procedure
- Multiple NSQIP assessed cases within 30 days: Any patient who already has a NSQIPassessed procedure entered within the previous 30 days at your site should be excluded. Only one NSQIP-assessed procedure can be abstracted patient, per 30 days, for each

Hospital Exclusion Criteria

In addition to the case inclusion/exclusion criteria, hospital inclusion/exclusion criteria are also imposed. To maintain the highest level of data quality, only cases included in the odds ratio analysis are included in the PUF. These cases go through an additional level of scrutiny as they are passed from data collection to statistical analysis. A site is excluded from the odds ratio calculations and the PUF if it fits any of the following criteria:

- Sites that exhibit issues with either data quality or 30-day follow-up may be excluded in order to ensure the integrity of PUF data
- Inter-Rater Reliability Audit disagreement rate is over 5%

7. Data Limitations

While every effort has been made to make the PUF as complete as possible, the data do have certain limitations. Some of these limitations have been deliberately introduced to safeguard the privacy of patients (such as removal of absolute dates). Other limitations are due to resource constraints (such as the collection of generic surgical variables only, except for the procedure targeted option, which is reported separately). The following items represent the most salient limitations of the data:

• Because such a wide variety of operations are tracked, the variables are necessarily generic in nature. This limitation may pose difficulties for researchers attempting in-depth research

on specific conditions or operations. However, surgical Targeted PUF datasets are now available which address target-specific predictors and outcomes for many types of operations.

- While the sex and race distributions are reasonably representative of the national surgery patient population, only patients over the age of 18 are available for assessment, so the age distribution is somewhat truncated. Patients over the age of 90 are also grouped into a 90+ category to prevent cases from being identifiable due to unique data.
- Patients are followed after surgery for 30 days. Complications or death after that period are not included. Hospitals may follow patients longer than 30 days, but this data is not reported by NSQIP.
- In order to comply with HIPAA requirements, all absolute dates have been removed. The most critical of these is the date of surgery, which has been reduced to year of surgery only. Some dates (hospital entry, dates of laboratory tests, and so on) have been recoded into durations e.g. Date of Admission and Date of Discharge is recoded into Hospital Length of Stay.
- In order to comply with the Hospital Participation Agreement (HPA) that is agreed to between the ACS and participating sites, facility identifiers as well as geographic information regarding the case have been removed. The HPA stipulates that the ACS does not identify participating sites. Site identification could be possible even with blinded identifiers through advanced statistics. A stipulation of access to the PUF is completion of the Data Use Agreement that strictly prohibits attempts to identify hospitals, health care providers, or patients.
- While many risk factors are tracked, preventative measures are not recorded which can lead to an underestimation of the risk of certain conditions when such measures are routinely taken before surgery.
- The data are submitted from hospitals that are participating in the ACS NSQIP and do not represent a statistically valid nationally representative sample. Furthermore, the PUF includes international sites so the data would not strictly represent the situation in U.S. hospitals. The inclusion of international sites may lead to other problems in interpretation. For example, many international sites are not permitted to provide patient race and ethnicity. As such, observed effects of missing race/ethnicity on outcomes would be confounded with the effects of country.

• Most patients do not receive all possible preoperative laboratory tests, so some of these variables have a high percentage of missing values (15% to 45%, depending on the tests). This high percentage of missing data can make it problematic to use these variables in a traditional logistic regression model as well as in many other types of analysis.

This list may not include all data limitations and additional limitations may apply in future versions of the data.

Graft failure, Coma, and Peripheral Nerve Injury Data Update

As first identified and reported in December of 2014, we have identified a problem in reported results for three outcome variables that existed in the Classic program, but did not exist in Essentials, between 2011 and 2013.

As it is mandatory to report outcome variables, we have historically converted the absence of an affirmative response (i.e., missing data) to "No Complication". This otherwise appropriate procedure was mistakenly applied to three outcome variables which were dropped from Essentials beginning in 2011 (Graft failure, Coma, Peripheral Nerve Injury). This logic resulted in "No complication" being assigned to missing data coming from Essential sites where, in fact, no data was being collected for these three outcomes. For the 2013 SAR (when Classic no longer existed) this isn't much of a problem as users would clearly know that something was wrong when 100% of the cases had "No complication" (for 2014 missing values were inserted for these historical outcome variables rather than "No complication"). However, for 2011 and 2012, when some sites were Essentials and some Classic, a PUF user would see a strange, precipitous, drop in event rates for these outcomes.

Because of this problem, Graft failure, Coma, and Peripheral Nerve Injury should not be considered accurate for any PUF after 2010.

8. Contact Information

All questions about the User Guide or PUF, as well as comments and suggestions for improvements are welcome and may be directed to Brian Matel, ACS NSQIP Statistical Report Manager, via email at <u>bmatel@facs.org</u>.

9. Frequently Asked Questions

Request Process

- Q: Who has access to this file?
- A: Any individual with an official appointment at a fully participating site will be given access to the file following completion of the Data Use Agreement and a short set of questions that are available on the website.
- Q: Is the file available to individuals from non-participating sites?
- A: At this time, the data files are only available to individuals with official appointments at fully participating sites.
- Q: I am at a NSQIP-participating site and would like to work on a research project with others from a different site that is not participating. Will I be allowed to do that?
- A: Yes, however, the NSQIP affiliated researcher must be the lead investigator on all PUFbased research projects and is responsible for the PUF dataset, even if forwarded to someone else. The non-participating collaborator must also sign the DUA.
- Q: How do I obtain a copy of this file?
- A: Please see the "Data Request Process" on page 1 of this document for a step-by-step approach on how to do so.

Contents of the Files

- Q: What is in this file?
- A: The file contains Health Insurance Portability and Accountability Act (HIPAA) deidentified data from sites participating in the ACS NSQIP that received risk-adjusted reports in 2022. The variable name, variable label, data definition, and other pertinent information are provided in Section 10: Data Variables and Definitions.
- Q: Are site identifiers included in the database?
- A: At this time, we do not provide any geographic or site-specific identification. We took this approach to ensure the privacy of both the participating sites and surgeons.
- Q: Are there surgeon-specific identifiers included in the database?
- A: At this time, we do not provide any surgeon-specific information. We took this approach to ensure the privacy of both the participating sites and surgeons.

- Are other PUF data sets available? Q:
- Between Essentials and Procedure Targeted, there are a total of 107 other PUF files A: available for request / download:

Essentials

PUF Year	PUF Type	Cases	Sites	PUF Year	PUF Type	Cases	Sites
2005/2006	Essentials	152,490	121	2014	Essentials	750,397	517
2007	Essentials	211,407	183	2015	Essentials	885,502	603
2008	Essentials	271,368	211	2016	Essentials	1,000,393	680
2009	Essentials	336,190	237	2017	Essentials	1,028,713	708
2010	Essentials	363,431	258	2018	Essentials	1,020,511	722
2011	Essentials	442,149	315	2019	Essentials	1,076,441	719
2012	Essentials	543,885	374	2020	Essentials	902,968	706
2013	Essentials	651,940	435	2021	Essentials	983,851	685

Procedure Targeted

PUF Year	PUF Type	Cases	Sites	PUF Yea	r PUF Type	Cases	Sites	PUF Yea	r PUF Type	Cases	Sites
2011/12	Vascular	655	71	2014	Hysterectomy	19,283	91	2016	Thyroidectomy	5,871	93
2013	Vascular	4,292	83	2015	Hysterectomy	23,360	109	2017	Thyroidectomy	5,755	91
2014	Vascular	4,029	83	2016	Hysterectomy	29,964	136	2018	Thyroidectomy	6,452	112
2015	Vascular	4,199	89	2017	Hysterectomy	34,070	147	2019	Thyroidectomy	6,864	83
2016	Vascular	4,071	95	2018	Hysterectomy	39,954	192	2020	Thyroidectomy	5,593	84
2017	Vascular	4,177	95	2019	Hysterectomy	43,857	173	2021	Thyroidectomy	7,233	89
2018	Vascular	3,807	98	2020	Hysterectomy	36,132	176	2016	Esophagectomy	1,034	71
2019	Vascular	3,912	85	2021	Hysterectomy	39,407	170	2017	Esophagectomy	1,066	76
2020	Vascular	2,398	78	2014	Hepatectomy	3,064	92	2018	Esophagectomy	1,179	82
2021	Vascular	2,572	69	2015	Hepatectomy	3,854	105	2019	Esophagectomy	1,290	85
2011/12	Colectomy	16,981	121	2016	Hepatectomy	4,325	116	2020	Esophagectomy	1,187	83
2013	Colectomy	21,505	154	2017	Hepatectomy	4,505	120	2021	Esophagectomy	1,057	83
2014	Colectomy	25,262	203	2018	Hepatectomy	4,773	133	2016	Appendectomy	12,376	115
2015	Colectomy	31,307	239	2019	Hepatectomy	5,074	141	2017	Appendectomy	12,406	113
2016	Colectomy	35,908	274	2020	Hepatectomy	4,895	141	2018	Appendectomy	12,667	131
2017	Colectomy	38,139	285	2021	Hepatectomy	5,170	149	2019	Appendectomy	15,110	112
2018	Colectomy	41,386	343	2014	Pancreatectomy	5,187	106	2020	Appendectomy	13,210	111
2019	Colectomy	47,425	336	2015	Pancreatectomy	6,032	120	2021	Appendectomy	14,296	106
2020	Colectomy	40,139	338	2016	Pancreatectomy	6,244	137	2016	Hip Fracture	9,390	117
2021	Colectomy	44,518	341	2017	Pancreatectomy	6,918	142	2017	Hip Fracture	10,506	115
2014	Gynecology	500	19	2018	Pancreatectomy	7,248	158	2018	Hip Fracture	11,855	152
2015	Gynecology	492	29	2019	Pancreatectomy	7,814	165	2019	Hip Fracture	14,523	140
2016	Gynecology	781	33	2020	Pancreatectomy	7,496	166	2020	Hip Fracture	13,657	141
2017	Gynecology	1,250	41	2021	Pancreatectomy	7,874	168	2021	Hip Fracture	12,395	119
2018	Gynecology	1,320	46	2016	Proctectomy	4,217	159	2019	Cystectomy	2,953	107
2019	Gynecology	1,313	41	2017	Proctectomy	4,576	176	2020	Cystectomy	3,150	107
2020	Gynecology	962	38	2018	Proctectomy	4,621	200	2021	Cystectomy	2,832	111
2021	Gynecology	1,061	36	2019	Proctectomy	4,905	193	2019	Nephrectomy	7,818	117
		-		2020	Proctectomy	4,189	190	2020	Nephrectomy	6,585	122
				2021	Proctectomy	4,328	201	2021	Nephrectomy	7,536	129
					• •	•	• • •	2019	Prostatectomy	8,256	125
								2020	Prostatectomy	7,133	116
									1		

2021

Prostatectomy

7,649

115

- Q: Why does the PUF exclude specific dates?
- A: In order to release the PUF, certain adjustments to the data are required to ensure proper protection of patient information. To meet these requirements, we remove all elements of dates (except quarter of admission and year) for dates directly related to an individual. For more information on the 18 data elements that are required for removal, please visit <u>http://privacyruleandresearch.nih.gov/</u>

or

http://privacyruleandresearch.nih.gov/pdf/HIPAA Booklet 4-14-2003.pdf.

- Q: I am the Surgeon Champion or Surgical Clinical Reviewer from a site that has records in the PUF and would like to know which specific records are ours.
- A: At this time, we do not provide site identification of any cases in the PUF, even selfidentification.

Values in the Data

- Q: For each of the following complications, Pneumonia, On Ventilator > 48 hours, Urinary Tract Infection, and Bleeding Transfusion, one case did not have a known duration from operation to complication. Why is that?
- A: In each of these complications the case had an invalid date which inhibited the calculation of duration. The number of days from operation to complication variable is coded as -99 for these cases.
- Q: What are the probability scores for mortality and morbidity and how often are they calculated?
- A: The probabilities of mortality and morbidity are provided in this database for all surgery cases in 2022. These probabilities are derived using hierarchical regression analysis but based only on patient-level effects. They represent the probability (0 to 1) that a case will experience a morbidity or mortality event based on pre-existing conditions. These probabilities are calculated every six months for the previous 12 months of data so the algorithm used to generate the predicted values changes over time as does the data used to create the algorithm.
- Q: Which calculated probabilities of mortality and morbidity are supplied in this data set?
- A: The probabilities of mortality and morbidity for all surgical cases used in the risk-adjusted analysis in 2022 are provided.

- Q: Why do some of the preoperative lab values have duration from lab to operation, but a value of -99 for the lab value?
- A: The results of the lab tests can be entered manually and thus are susceptible to data entry error. Depending on the preoperative lab variable roughly 1% of the cases had invalid values and these invalid values were set to -99 to simplify analysis. It is also possible that some cases have valid lab values but are missing duration from lab to operation variable. This discrepancy is also related to a data entry error and the program continues to improve the data collection software to minimize the potential for data entry errors.
- Q: When performing analysis on the five-digit CPT codes in the Other and Concurrent variables, how should I interpret those cases with a valid five-digit CPT code but a CPT description set to NULL?
- A: If the case has a valid five-digit CPT code that procedure occurred and should be evaluated as such. The CPT description is a secondary variable and provided for convenience. In the processing of large amounts of data some descriptions are purposefully or inadvertently removed.

File Formats

- Q: In what file formats are the data available?
- A: The data files are made available in a tab delimited TXT file, an SPSS file, and a SAS file.

osition #		Data		es. It is suggested that they evaluate variable categories across years and combine t		Commonto
	Variable Name	Data	Variable Label	Search Term in Chapter 4	Variable Options at Entry	Comments
		Туре		Notes: 'Variable Name:' needs to be included in Search Term;		
				*Variables not included in Chap 4		
	PUFYEAR	Char	Year of PUF	*Year of PUF		
	CaseID	Num	Case Identification Number	Variable Name: Identification Number (MRN/IDN)		
	SEX	Char	Gender	Variable Name:Sex	Male; Female;Non-binary	NULL = No Response
	RACE_NEW	Char	New Race	Variable Name:Race	American Indian or Alaska Native	NULL = No Response
					Asian	Race combinaitons with low
					Black or African American	frequency=Patients with Mult
					Native Hawaiian or Pacific Islander	races selected
					White	Multiple races can be selecte
					Race combinations with low frequency	
					Some Other Race	
					Unknown/Not Reported	
	ETHNICITY HISPANIC	Char	Ethnicity Hispanic	Variable Name:Hispanic Ethnicity	Yes; No; Unknown	NULL = No Response
	PRNCPTX	Char	Principal operative procedure CPT code description	Variable Name:Primary Procedure		
	CPT	Char	CPT	Variable Name:Primary Procedure		
	WORKRVU	Num	Work Relative Value Unit	*Work Relative Value Unit		-99 = No Response
	INOUT	Char	Inpatient/outpatient	Variable Name:In/Out-Patient Status	Outpatient; Inpatient	NULL = No Response
	TRANST	Char	Origin status	Variable Name:Origin Status	Home/Permanent residence	NULL = No Response
					Acute are hospital	
					Other facility	
					Unknown	
	Age	Char	Age of patient with patients over 89 coded as 90+	Variable Name:Date of Birth		-99 = No Response
	AdmYR	Num	Year of Admission	Variable Name:Hospital Admission Date/Time		-99 = No Response
	OperYR	Num	Year of Operation	Variable Name:Operation Date		-99 = No Response
	DISCHDEST	Char	Discharge Destination	Variable Name: Hospital Discharge Destination	Home/Permanent residence	NULL = No Response
	BIOGRIDEOT	ond.	biosnaige boolindion	ranasio namon topical biosnargo bootination	Acute care hospital	
					Other facility	
					Expired	
					Against Medical Advice (AMA)	
					Unknown	
	ANESTHES	Char	Principal anesthesia technique	Variable Name: Principal Anesthesia Technique	Epidural	NULL = No Response
					General	
					Local	
					Monitored Anesthesia care (MAC) / IV Sedation	
					None	
					Other	
					Regional	
					Spinal	
					Unknown	
	SURGSPEC	Char	Surgical Specialty	Variable Name:Surgical Specialty	Cardiac	
					General Surgery	
					Gynecology	
					Gynecology	
					Neurosurgery	_
					Neurosurgery Orthopedics	
					Neurosurgery Orthopedics Otolaryngology (ENT)	
					Neurosurgery Orthopedics Otolaryngology (ENT) Plastics	
					Neurosurgery Orthopedics Otolaryngology (ENT) Plastics Thoracic	
					Neurosurgery Orthopedics Otolaryngology (ENT) Plastics Thoracic Urology	
					Neurosurgery Orthopedics Otolaryngology (ENT) Plastics Thoracic Urology Vascular	
					Neurosurgery Orthopedics Otolaryngology (ENT) Plastics Thoracic Urology Vascular Obstetrics	
					Neurosurgery Orthopedics Otolaryngology (ENT) Plastics Thoracic Urology Vascular	
	HEIGHT	Num	Height in inches	Variable Name:Height	Neurosurgery Orthopedics Otolaryngology (ENT) Plastics Thoracic Urology Vascular Obstetrics	-99=No Response Units converted to inches
	WEIGHT	Num	- Weight in Ibs	Variable Name:Weight	Neurosurgery Orthopedics Otolaryngology (ENT) Plastics Thoracic Urology Vascular Obstetrics Interventional Radiologist	Units converted to inches -99=No Response Units converted to Ibs
	WEIGHT DIABETES		-	-	Neurosurgery Orthopedics Ottalaryngology (ENT) Plastics Thoracic Urology Vascular Obstetrics Interventional Radiologist No; Insulin; Non-insulin	Units converted to inches -99=No Response Units converted to lbs NULL = No Response
	WEIGHT	Num	- Weight in Ibs	Variable Name:Weight	Neurosurgery Orthopedics Otolaryngology (ENT) Plastics Thoracic Urology Vascular Obstetrics Interventional Radiologist	Units converted to inches -99=No Response Units converted to Ibs
	WEIGHT DIABETES	Num Char	Weight in Ibs Diabetes mellitus with oral agents or insulin	Variable Name:Weight Variable Name:Diabetes Mellitus	Neurosurgery Orthopedics Ottalaryngology (ENT) Plastics Thoracic Urology Vascular Obstetrics Interventional Radiologist No; Insulin; Non-insulin	Units converted to inches -99=No Response Units converted to lbs NULL = No Response
	WEIGHT DIABETES SMOKE FNSTATUS2	Num Char Char Char	Weight in Ibs Diabetes mellitus with oral agents or insulin Current smoker within one year Functional health status Prior to Surgery	Variable Name:Weight Variable Name:Diabetes Mellitus Variable Name:Current Smoker Variable Name:Functional Health Status	Neurosurgery Orthopedics Ottalaryngology (ENT) Plastics Thoracic Urology Vascular Obstetrics Interventional Radiologist No; Insulin; Non-insulin Yes; No Independent; Partially Dependent; Totally Dependent; Unknown	Units converted to inches -99=No Response Units converted to lbs NULL = No Response NULL = No Response NULL = No Response
	WEIGHT DIABETES SMOKE FNSTATUS2 VENTILAT	Num Char Char Char Char Char	Weight in Ibs Diabetes mellitus with oral agents or insulin Current smoker within one year Functional health status Prior to Surgery Ventilator dependent	Variable Name:Weight Variable Name:Diabetes Mellitus Variable Name:Current Smoker Variable Name:Functional Health Status Variable Name:Ventilator Dependent	Neurosurgery Orthopedics Ottolaryngology (ENT) Plastics Thoracic Urology Vascular Obstetrics Interventional Radiologist No; Insulin; Non-insulin Yes; No Independent; Partially Dependent; Totally Dependent; Unknown Yes; No	Units converted to inches -99=No Response Units converted to Ibs NULL = No Response NULL = No Response NULL = No Response NULL = No Response
	WEIGHT DIABETES SMOKE FNSTATUS2 VENTILAT HXCOPD	Num Char Char Char Char Char Char	Weight in Ibs Diabetes meliitus with oral agents or insulin Current smoker within one year Functional health status Prior to Surgery Ventilator dependent History of severe COPD	Variable Name:Weight Variable Name:Diabetes Mellitus Variable Name:Current Smoker Variable Name:Functional Health Status Variable Name:Ventilator Dependent Variable Name:History of Severe COPD	Neurosurgery Orthopedics Otolaryngology (ENT) Plastics Thoracic Urology Vascular Obstetrics Interventional Radiologist No; Insulin; Non-insulin Yes; No Independent; Partially Dependent; Totally Dependent; Unknown Yes; No Yes; No	Units converted to inches -99=No Response Units converted to Ibs NULL = No Response NULL = No Response NULL = No Response NULL = No Response NULL = No Response
	WEIGHT DIABETES SMOKE FNSTATUS2 VENTILAT HXCOPD ASCITES	Num Char Char Char Char Char Char Char	Weight in Ibs Diabetes mellitus with oral agents or insulin Current smoker within one year Functional health status Prior to Surgery Ventilator dependent History of severe COPD Ascites	Variable Name:Weight Variable Name:Diabetes Mellitus Variable Name:Current Smoker Variable Name:Functional Health Status Variable Name:Ventilator Dependent Variable Name:Ascites Variable Name:Ascites	Neurosurgery Orthopedics Ottalaryngology (ENT) Plastics Thoracic Urology Vascular Obstetrics Interventional Radiologist No; Insulin; Non-insulin Yes; No Independent; Partially Dependent; Totally Dependent; Unknown Yes; No Yes; No Yes; No Yes; No Yes; No Yes; No	Units converted to inches -99=No Response Units converted to Ibs NULL = No Response NULL = No Response
	WEIGHT DIABETES SMOKE FNSTATUS2 VENTILAT HXCOPD ASCITES HXCHF	Num Char Char Char Char Char Char Char Char	Weight in Ibs Diabetes mellitus with oral agents or insulin Current smoker within one year Functional health status Prior to Surgery Ventilator dependent History of severe COPD Ascites Heart failure (CHF) in 30 days before surgery	Variable Name:Weight Variable Name:Current Smoker Variable Name:Current Smoker Variable Name:Functional Health Status Variable Name:Ventilator Dependent Variable Name:History of Severe COPD Variable Name:History Severe COPD Variable Name:Heart Failure	Neurosurgery Orthopedics Otalaryngology (ENT) Plastics Thoracic Urology Vascular Obstetrics Interventional Radiologist No; Insulin; Non-insulin Yes; No Independent; Partially Dependent; Totally Dependent; Unknown Yes; No	Units converted to inches -99=No Response Units converted to Ibs NULL = No Response NULL = No Response
	WEIGHT DIABETES SMOKE FNSTATUS2 VENTILAT HXCOPD ASCITES	Num Char Char Char Char Char Char Char	Weight in Ibs Diabetes mellitus with oral agents or insulin Current smoker within one year Functional health status Prior to Surgery Ventilator dependent History of severe COPD Ascites	Variable Name:Weight Variable Name:Diabetes Mellitus Variable Name:Current Smoker Variable Name:Functional Health Status Variable Name:Ventilator Dependent Variable Name:Ascites Variable Name:Ascites	Neurosurgery Orthopedics Ottalaryngology (ENT) Plastics Thoracic Urology Vascular Obstetrics Interventional Radiologist No; Insulin; Non-insulin Yes; No Independent; Partially Dependent; Totally Dependent; Unknown Yes; No Yes; No Yes; No Yes; No Yes; No Yes; No	Units converted to inches -99=No Response Units converted to lbs NULL = No Response NULL = No Response NULL = No Response NULL = No Response NULL = No Response

Position #	Variable Name	Data	Variable Label	Search Term in Chapter 4	Variable Options at Entry	Comments
		Туре		Notes: 'Variable Name:' needs to be included in Search Term;		
				*Variables not included in Chap 4		
28	DIALYSIS	Char	Preop Dialysis	Variable Name:Preop Dialysis	Yes; No	NULL = No Response
29	DISCANCR STEROID	Char Char	Disseminated cancer	Variable Name:Disseminated Cancer	Yes; No	NULL = No Response NULL = No Response
30			Immunosuppressive Therapy	Variable Name:Immunosuppressive Therapy	Yes; No	
31	BLEEDDIS	Char	Bleeding disorders	Variable Name:Bleeding Disorders	Yes; No	NULL = No Response
32	TRANSFUS	Char	Preop Transfusion of >= 1 unit of whole/packed RBCs in 72 hours prior to surgery	Variable Name:RBC Transfusions	Yes; No	NULL = No Response
33	PRSEPIS	Char	Systemic Sepsis	Variable Name:SIRS/Sepsis/Septic Shock	SIRS; Sepsis; Septic Shock; None	NULL=No Response
34	DPRNA	Num	Days from Na Preoperative Labs to Operation	*Days from Na Preoperative Labs to Operation		-99 = Lab value not obtained or No Response
35	DPRBUN	Num	Days from BUN Preoperative Labs to Operation	*Days from BUN Preoperative Labs to Operation		-99 = Lab value not obtained or No Response
36	DPRCREAT	Num	Days from Creatinine Preoperative Labs to Operation	*Days from Creatinine Preoperative Labs to Operation		-99 = Lab value not obtained or No Response
37	DPRALBUM	Num	Days from Albumin Preoperative Labs to Operation	*Days from Albumin Preoperative Labs to Operation		-99 = Lab value not obtained or No Response
38	DPRBILI	Num	Days from Bilirubin Preoperative Labs to Operation	*Days from Bilirubin Preoperative Labs to Operation		-99 = Lab value not obtained or No Response
39	DPRSGOT	Num	Days from SGOT Preoperative Labs to Operation	*Days from SGOT Preoperative Labs to Operation		-99 = Lab value not obtained or No
40	DPRALKPH	Num	Days from ALKPHOS Preoperative Labs to Operation	*Days from ALKPHOS Preoperative Labs to Operation		Response -99 = Lab value not obtained or No
41	DPRWBC	Num	Days from WBC Preoperative Labs to Operation	*Days from WBC Preoperative Labs to Operation		Response -99 = Lab value not obtained or No
42	DPRHCT	Num	Days from HCT Preoperative Labs to Operation	*Days from HCT Preoperative Labs to Operation		Response -99 = Lab value not obtained or No
43	DPRPLATE	Num	Days from PlateCount Preoperative Labs to Operation	*Days from PlateCount Preoperative Labs to Operation		Response -99 = Lab value not obtained or No
44	DPRPTT	Num	Days from PTT Preoperative Labs to Operation	*Days from PTT Preoperative Labs to Operation		Response -99 = Lab value not obtained or No
45	DPRINR	Num	Days from INR Preoperative Labs to Operation	*Days from INR Preoperative Labs to Operation		Response -99 = Lab value not obtained or No
-						Response
46	PRSODM	Num	Pre-operative serum sodium	Variable Name:Preoperative Lab Value Information		-99 = Lab value not obtained or No Response
47	PRBUN	Num	Pre-operative BUN	Variable Name:Preoperative Lab Value Information		-99 = Lab value not obtained or No Response
48	PRCREAT	Num	Pre-operative serum creatinine	Variable Name:Preoperative Lab Value Information		-99 = Lab value not obtained or No Response
49	PRALBUM	Num	Pre-operative serum albumin	Variable Name:Preoperative Lab Value Information		-99 = Lab value not obtained or No Response
50	PRBILI	Num	Pre-operative total bilirubin	Variable Name:Preoperative Lab Value Information		-99 = Lab value not obtained or No Response
51	PRSGOT	Num	Pre-operative SGOT	Variable Name:Preoperative Lab Value Information		-99 = Lab value not obtained or No Response
52	PRALKPH	Num	Pre-operative alkaline phosphatase	Variable Name:Preoperative Lab Value Information		-99 = Lab value not obtained or No Response
53	PRWBC	Num	Pre-operative WBC	Variable Name:Preoperative Lab Value Information		-99 = Lab value not obtained or No Response
54	PRHCT	Num	Pre-operative hematocrit	Variable Name:Preoperative Lab Value Information		-99 = Lab value not obtained or No Response
55	PRPLATE	Num	Pre-operative platelet count	Variable Name:Preoperative Lab Value Information		-99 = Lab value not obtained or No
56	PRPTT	Num	Pre-operative PTT	Variable Name:Preoperative Lab Value Information		Response -99 = Lab value not obtained or No
57	PRINR	Num	Pre-operative International Normalized Ratio (INR) of PT values	Variable Name:Preoperative Lab Value Information		Response -99 = Lab value not obtained or No
50	OTHERPROOF	Char	Other Descedure 4	Variable NamerOther Descalues		Response
50	OTHERPROC1 OTHERCPT1	Char Char	Other Procedure 1 Other CPT Code 1	Variable Name:Other Procedures Variable Name:Other Procedures		NULL = No Procedure NULL = No Procedure
60	OTHERWRVU1	Num	Other CP1 Code 1 Other Work Relative Value Unit 1	Variable Name: Other Procedures *Other Work Relative Value Unit 1		-99 = No Procedure -99 = No Procedure/No Response
61	OTHERPROC2	Char	Variable Name:Other Procedure 2	Variable Name:Other Procedures		NULL = No Procedure
62	OTHERPROC2 OTHERCPT2	Char Char	Variable Name: Other Procedure 2 Other CPT Code 2	Variable Name:Other Procedures Variable Name:Other Procedures		NULL = No Procedure NULL = No Procedure
63	OTHERWRVU2	Num	Other CP1 Code 2 Other Work Relative Value Unit 2	*Other Work Relative Value Unit 2		-99 = No Procedure -99 = No Procedure/No Response
64	OTHERPROC3	Char	Variable Name:Other Procedure 3	Variable Name:Other Procedures		NULL = No Procedure
0 -1	OTHERPROCS OTHERCPT3	Char	Other CPT Code 3	Variable Name:Other Procedures		NULL = No Procedure

Type 66 OTHERWRVU3 Num Other Wo 67 OTHERPROC4 Char Variable 1 68 OTHERCPT4 Char Other Wo 69 OTHERCPT5 Char Variable 1 70 OTHERPROC5 Char Variable 1 71 OTHERPROC6 Char Variable 1 72 OTHERPROC6 Char Variable 1 73 OTHERPROC6 Char Variable 1 74 OTHERPROC7 Char Variable 1 75 OTHERPROC7 Char Other Wo 76 OTHERPROC8 Char Variable 1 77 OTHERPROC8 Char Variable 1 80 OTHERPROC9 Char Variable 1 81 OTHERPROC9 Char Variable 1 82 OTHERPROC9 Char Variable 1 83 OTHERPROC9 Char Variable 1 84 OTHERPROT10 Char Other Va 85<	And the first of	Occursts Terms for Objection 4	Madeble Ordens of Estim	0to
66 OTHERWRVU3 Num Other Wc 67 OTHERPROC4 Char Variable I 68 OTHERCPT4 Char Other Wc 69 OTHERWRVU4 Num Other CP 70 OTHERPROC5 Char Other CP 71 OTHERPROC5 Char Other CP 72 OTHERPROC6 Char Variable I 73 OTHERPROC6 Char Variable I 74 OTHERPROC7 Char Other Wc 75 OTHERPROC7 Char Variable I 76 OTHERPROC7 Char Variable I 77 OTHERPROC8 Char Variable I 80 OTHERWRVU8 Num Other Wc 81 OTHERWRVU8 Num Other Wc 82 OTHERWRVU9 Num Other Wc 83 <otherproc10< td=""> Char Variable I 84 OTHERWRVU9 Num Other Wc 85 OTHERWRVU10 Num Other W</otherproc10<>	ariable Label	Search Term in Chapter 4	Variable Options at Entry	Comments
OTHERPROC4 Char Variable 1 67 OTHERCPT4 Char Variable 1 68 OTHERWRVU4 Num Other Wc 70 OTHERPROC5 Char Variable 1 71 OTHERPROC5 Char Variable 1 72 OTHERPROC6 Char Variable 1 73 OTHERPROC6 Char Variable 1 74 OTHERPROC7 Char Variable 1 74 OTHERPROC7 Char Other Wc 76 OTHERPROC7 Char Other Wc 78 OTHERPROC8 Char Other Wc 79 OTHERPROC9 Char Variable 1 70 OTHERPROC9 Char Variable 1 71 OTHERPROC9 Char Other Wc 72 OTHERPROC10 Char Other Wc 73 OTHERPROT10 Char Other Wc 74 OTHERPROT10 Char Other Wc 75 OTHERPROC10 Char <t< td=""><td></td><td>Notes: 'Variable Name:' needs to be included in Search Term;</td><td></td><td></td></t<>		Notes: 'Variable Name:' needs to be included in Search Term;		
OTHERPROC4 Char Variable 1 67 OTHERCPT4 Char Variable 1 68 OTHERWRVU4 Num Other Wc 70 OTHERPROC5 Char Variable 1 71 OTHERPROC5 Char Variable 1 72 OTHERPROC6 Char Variable 1 73 OTHERPROC6 Char Variable 1 74 OTHERPROC7 Char Variable 1 74 OTHERPROC7 Char Other Wc 76 OTHERPROC7 Char Other Wc 78 OTHERPROC8 Char Other Wc 79 OTHERPROC9 Char Variable 1 70 OTHERPROC9 Char Variable 1 71 OTHERPROC9 Char Other Wc 72 OTHERPROC10 Char Other Wc 73 OTHERPROT10 Char Other Wc 74 OTHERPROT10 Char Other Wc 75 OTHERPROC10 Char <t< td=""><td></td><td>*Variables not included in Chap 4</td><td></td><td></td></t<>		*Variables not included in Chap 4		
8 OTHERCPT4 Char Other VC 9 OTHERWRVU4 Num Other VC 0 OTHERWRVU5 Char Variable I 1 OTHERCPT5 Char Other CP 2 OTHERWRVU5 Num Other CP 3 OTHERWRVU5 Num Other CP 4 OTHERCPT6 Char Variable I 4 OTHERCPT6 Char Other VC 6 OTHERPROC6 Char Variable I 7 OTHERPROC7 Char Variable I 8 OTHERVVU7 Num Other VC 9 OTHERVRVU8 Num Other VC 1 OTHERVRVU8 Num Other VC 2 OTHERVRVU8 Num Other VC 1 OTHERVRVU9 Num Other VC 2 OTHERVRVU9 Num Other VC 4 OTHERVRVU9 Num Other VC 5 OTHERVRV10 Num Other VC	ther Work Relative Value Unit 3	*Other Work Relative Value Unit 3		-99 = No Procedure/No Response
8 OTHERCPT4 Char Other VC 9 OTHERWRVU4 Num Other VC 0 OTHERPROC5 Char Variable I 1 OTHERVT5 Char Other CP 2 OTHERWRVU5 Num Other CP 3 OTHERWRVU5 Num Other CP 4 OTHERCPT6 Char Variable I 5 OTHERPROC6 Char Variable I 6 OTHERPROC7 Char Variable I 7 OTHERPROC8 Char Other Va 8 OTHERVU7 Num Other Va 9 OTHERVVU8 Num Other Va 1 OTHERVVU8 Num Other Va 2 OTHERVRVU8 Num Other Va 4 OTHERVRVU9 Num Other Va 4 OTHERVRVU9 Num Other Va 5 OTHERVRVU9 Num Other Va 6 OTHERVRV10 Num Other Va	i li Nue Otte Barrier (Madella News Other Development		NUUL No Decordance
9 OTHERWRVU4 Num Other Wc 0 OTHERPROC5 Char Variable I 1 OTHERPROC5 Char Other CP 2 OTHERPROC6 Char Other Wc 3 OTHERPROC6 Char Variable I 4 OTHERPROC6 Char Variable I 5 OTHERVRVU6 Num Other Wc 6 OTHERPROC7 Char Other Wc 7 OTHERVRVU6 Num Other Wc 8 OTHERVRVU7 Num Other Wc 9 OTHERPROC8 Char Variable I 10 OTHERVRVU8 Num Other Wc 11 OTHERVRVU8 Num Other Wc 12 OTHERCPT9 Char Variable I 13 OTHERVRVU9 Num Other Wc 14 OTHERCPT10 Char Concurre 15 OTHERVPT010 Num Other Wc 16 OTHERVRVU10 Num Concurr	ariable Name:Other Procedure 4	Variable Name:Other Procedures		NULL = No Procedure
0 OTHERPROC5 Char Variable 1 0 OTHERPROC5 Char Other CP 2 OTHERWRVU5 Num Other Wc 3 OTHERPROC6 Char Variable 1 4 OTHERPROC7 Char Other Wc 5 OTHERWRVU6 Num Other Wc 6 OTHERPROC7 Char Variable 1 7 OTHERPROC8 Char Variable 1 0 OTHERPROC8 Char Variable 1 0 OTHERPROC9 Char Variable 1 0 OTHERVRVU8 Num Other Variable 1 0 OTHERVRVU8 Num Other Variable 1 10 OTHERVRVU9 Num Other Variable 1 13 OTHERVRVU9 Num Other Variable 1 14 OTHERVRVU9 Num Other Variable 1 15 OTHERVRVU9 Num Other Variable 1 16 OTHERVRVU10 Num Char 17 OTHERVRVU10<		Variable Name:Other Procedures		NULL = No Procedure
71 OTHERCPT5 Char Other CP 72 OTHERWRVU5 Num Other Wc 73 OTHERPROC6 Char Variable I 74 OTHERCPT6 Char Other CP 75 OTHERWRVU6 Num Other Wc 76 OTHERRPOC7 Char Variable I 77 OTHERRPOC7 Char Other Wc 78 OTHERRPOC7 Char Other Wc 79 OTHERRPOC8 Char Variable I 80 OTHERPROC9 Char Other Wc 79 OTHERPROC9 Char Variable I 30 OTHERPROC9 Char Variable I 33 OTHERPROC10 Char Variable I 34 OTHERPROC10 Char Variable I 35 OTHERPROC10 Char Other Va 36 OTHERVRVU10 Num Other Va 35 OTHERWRVU10 Num Other Va 36 OTHERVRV11 Char Concurre 37 OTHERWRVU10 Num Concurre <td>ther Work Relative Value Unit 4</td> <td>*Other Work Relative Value Unit 4</td> <td></td> <td>-99 = No Procedure/No Response</td>	ther Work Relative Value Unit 4	*Other Work Relative Value Unit 4		-99 = No Procedure/No Response
22 OTHERWRVU5 Num Other Wc 73 OTHERPROC6 Char Variable 1 74 OTHERCPT6 Char Other CP 75 OTHERWRVU6 Num Other Wc 76 OTHERPROC7 Char Variable 1 77 OTHERPROC7 Char Other Wc 78 OTHERPROC8 Char Variable 1 70 OTHERPROC8 Char Variable 1 90 OTHERPROC8 Char Variable 1 91 OTHERPROC9 Char Other Variable 1 92 OTHERPROC9 Char Variable 1 93 OTHERVRVU8 Num Other Variable 1 94 OTHERVRVU9 Num Other Variable 1 93 OTHERVRVU9 Num Other Variable 1 94 OTHERVRVU9 Num Other Variable 1 95 OTHERVRVU10 Num Other Variable 1 96 OTHERVRVU9 Num Other Variable 1 97 OTHERWRVU9 Num Other Variable 1 98 CONCURR1 Char Concurre 10 99 CONCURR2 Char Concurre 10 90 CONCURR3 Char Conc	ariable Name:Other Procedure 5	Variable Name:Other Procedures		NULL = No Procedure
3 OTHERPROC6 Char Variable 14 OTHERCPT6 Char Other CP 5 OTHERWRVU6 Num Other Wc 76 OTHERPROC7 Char Variable 77 OTHERPROC7 Char Other Variable 78 OTHERWRVU7 Num Other Wc 79 OTHERPROC8 Char Variable 10 OTHERPROC9 Char Variable 10 OTHERPROC9 Char Other Wc 32 OTHERPROC9 Char Other Wc 33 OTHERPROC10 Char Other Wc 34 OTHERPROT10 Char Other Wc 35 OTHERPROT10 Char Other Wc 36 OTHERPROT10 Num Other Wc 38 CONCURR1 Char Concurre 39 CONWRVU1 Num Concurre 30 CONWRVU1 Num Concurre 31 CONCURR3 Char Conc	her CPT Code 5	Variable Name:Other Procedures		NULL = No Procedure
74 OTHERCPT6 Char Other CP 75 OTHERWRVU6 Num Other Wc 76 OTHERWRVU6 Num Other Wc 77 OTHERCPT7 Char Variable 1 77 OTHERRPROC8 Char Other Wa 78 OTHERRPROC8 Char Variable 1 80 OTHERRPROC8 Char Other Wc 81 OTHERRPROC9 Char Variable 1 82 OTHERPROC9 Char Variable 1 84 OTHERPROC10 Char Variable 1 84 OTHERPROC10 Char Variable 1 85 OTHERPROC10 Char Variable 1 86 OTHERVU10 Num Other Wc 88 CONCURR1 Char Concurre 2 90 CONWRVU1 Num Concurre 3 81 CONCURR2 Char Concurre 3 93 CONCURR3 Char Concurre 3 94 CONCURR3 Char <td>her Work Relative Value Unit 5</td> <td>*Other Work Relative Value Unit 5</td> <td></td> <td>-99 = No Procedure/No Response</td>	her Work Relative Value Unit 5	*Other Work Relative Value Unit 5		-99 = No Procedure/No Response
74 OTHERCPT6 Char Other CP 75 OTHERRVRVU6 Num Other WC 76 OTHERRVRVU6 Num Other WC 77 OTHERRPROC7 Char Variable I 77 OTHERRPROC8 Char Other Val 78 OTHERRPROC8 Char Variable I 80 OTHERRPROC9 Char Variable I 80 OTHERPROC9 Char Variable I 81 OTHERPROC9 Char Variable I 82 OTHERPROC9 Char Variable I 84 OTHERPROC10 Char Variable I 85 OTHERPROC10 Char Variable I 86 CONCUR1 Char Concurre 87 OTHERWRVU10 Num Other WC 88 CONCUR1 Char Concurre 89 CONCUR2 Char Concurre 91 CONCUR2 Char Concurre 92 CONCUR3 Char	ariable Name:Other Procedure 6	Variable Name:Other Procedures		NULL = No Procedure
75 OTHERWRVU6 Num Other Wc 76 OTHERPROC7 Char Variable 1 77 OTHERCPT7 Char Other Va 78 OTHERCPT7 Char Other Va 78 OTHERCPT7 Char Other Va 79 OTHERCPT3 Char Variable 1 30 OTHERCPT3 Char Other Va 31 OTHERCPT9 Char Other Va 32 OTHERCPT9 Char Other Va 34 OTHERPROC9 Char Other Va 34 OTHERVPU9 Num Other Va 35 OTHERPROC10 Char Other Va 36 OTHERVPU10 Num Other Va 37 OTHERWRVU10 Num Other Va 38 CONCURR1 Char Concurre 37 OTHERWRVU10 Num Other Va 38 CONCURR2 Char Concurre 39 CONCUR2 Char Concurre <td>ther CPT Code 6</td> <td>Variable Name:Other Procedures</td> <td></td> <td>NULL = No Procedure</td>	ther CPT Code 6	Variable Name:Other Procedures		NULL = No Procedure
76 OTHERPROC7 Char Variable I 77 OTHERCPT7 Char Other Variable I 78 OTHERPROC3 Char Other Variable I 78 OTHERPROC8 Char Variable I 30 OTHERPROC8 Char Other Variable I 31 OTHERPROC9 Char Other Wc 32 OTHERPROC9 Char Variable I 33 OTHERPROC10 Char Variable I 34 OTHERPROC10 Char Variable I 35 OTHERPROC10 Char Variable I 36 OTHERPROC10 Char Other Variable I 37 OTHERVU10 Num Other Variable I 36 OTHERVVU10 Num Other Variable I 37 OTHERVVU10 Num Other Variable I 38 CONCURR1 Char Concurre 39 CONCURR2 Char Concurre 30 CONCURR2 Char Concurre 32	ther Work Relative Value Unit 6	*Other Work Relative Value Unit 6		-99 = No Procedure/No Response
77 OTHERCPT7 Char Other Vai 78 OTHERWRVU7 Num Other Wai 79 OTHERPROC8 Char Variable I 30 OTHERCPT3 Char Other Vai 31 OTHERCPT3 Char Other Wai 32 OTHERPROC9 Char Variable I 33 OTHERCPT9 Char Other Wai 34 OTHERCPT9 Char Other Wai 35 OTHERCPT0 Char Other Wai 36 OTHERCPT10 Char Other Wai 37 OTHERCPT10 Char Other Wai 38 CONCURR1 Char Other Wai 37 OTHERWRVU10 Num Other Wai 38 CONCURR1 Char Concurre 39 CONCURR2 Char Concurre 30 CONCUR2 Char Concurre 31 CONCURR3 Char Concurre 32 CONCURR3 Char Concurre 33 CONCURR4 Char Concurre 34 CONCURR5 Char Concurre 35 CONCURR5 Char Concurre 36 CONCURR5 Char <td></td> <td></td> <td></td> <td></td>				
78 OTHERWRVU7 Num Other Wc 79 OTHERPROC8 Char Variable 1 30 OTHERCPT8 Char Other Va 31 OTHERCPT8 Char Other Wc 32 OTHERPROC9 Char Variable 1 32 OTHERPROC9 Char Variable 1 33 OTHERPROC10 Char Variable 1 34 OTHERPROC10 Char Variable 1 36 OTHERPROC10 Char Variable 1 36 OTHERVVU9 Num Other Va 37 OTHERVRVU10 Num Other Va 37 OTHERVRVU10 Num Other Va 38 CONCURR1 Char Concurre 39 CONCURR2 Char Concurre 30 CONCURR2 Char Concurre 31 CONCURR3 Char Concurre 32 CONCURR3 Char Concurre 33 CONCURA Char C	ariable Name:Other Procedure 7	Variable Name:Other Procedures		NULL = No Procedure
2 2 <th2< th=""> 2 <th2< th=""> <th2< th=""></th2<></th2<></th2<>	her Variable Name:Other Procedure 7	Variable Name:Other Procedures		NULL = No Procedure
80 OTHERCPT8 Char Other Val 31 OTHERWRVU8 Num Other Wo 32 OTHERPROC9 Char Variable I 33 OTHERCPT9 Char Other Wo 34 OTHERCPT9 Char Other Val 35 OTHERCPT9 Char Variable I 36 OTHERVRVU9 Num Other Val 36 OTHERCPT10 Char Variable I 36 OTHERVRVU10 Num Other Wo 37 OTHERWRVU10 Num Other Wo 38 CONCURR1 Char Concurre 39 CONCURR2 Char Concurre 30 CONCURR2 Char Concurre 31 CONCURR3 Char Concurre 32 CONCURR3 Char Concurre 33 CONCURR3 Char Concurre 34 CONCURR3 Char Concurre 35 CONCURR4 Char Concurre <td>her Work Relative Value Unit 7</td> <td>*Other Work Relative Value Unit 7</td> <td></td> <td>-99 = No Procedure/No Response</td>	her Work Relative Value Unit 7	*Other Work Relative Value Unit 7		-99 = No Procedure/No Response
80 OTHERCPT8 Char Other Val 31 OTHERWRVU8 Num Other Wo 32 OTHERPROC9 Char Variable I 33 OTHERCPT9 Char Other Wo 34 OTHERCPT9 Char Other Val 35 OTHERCPT9 Char Variable I 36 OTHERVRVU9 Num Other Val 36 OTHERCPT10 Char Variable I 36 OTHERVRVU10 Num Other Wo 37 OTHERWRVU10 Num Other Wo 38 CONCURR1 Char Concurre 39 CONCURR2 Char Concurre 30 CONCURR2 Char Concurre 31 CONCURR3 Char Concurre 32 CONCURR3 Char Concurre 33 CONCURR3 Char Concurre 34 CONCURR3 Char Concurre 35 CONCURR4 Char Concurre <td>ariable Name:Other Procedure 8</td> <td>Variable Name:Other Procedures</td> <td></td> <td>NULL = No Procedure</td>	ariable Name:Other Procedure 8	Variable Name:Other Procedures		NULL = No Procedure
31 OTHERWRVU8 Num Other Wc 32 OTHERPROC9 Char Variable 1 33 OTHERCPT9 Char Other Variable 1 34 OTHERPROC10 Char Variable 1 35 OTHERPROC10 Char Variable 1 36 OTHERPROC10 Char Variable 1 37 OTHERPROT10 Char Concurre 37 OTHERWRVU10 Num Other Wc 38 CONCURR1 Char Concurre 39 CONCURR2 Char Concurre 30 CONWRVU1 Num Concurre 31 CONCURR2 Char Concurre 32 CONVRVU2 Num Concurre 33 CONCURR3 Char Concurre 34 CONCURR3 Char Concurre 35 CONCURR3 Char Concurre 36 CONCURR4 Char Concurre 37 CONCURR5 Char Co	ther Variable Name:Other Procedure 8	Variable Name:Other Procedures		NULL = No Procedure
22 OTHERPROC9 Char Variable 33 OTHERCPT9 Char Other Variable 34 OTHERCPT9 Char Other Variable 35 OTHERCPT0 Char Other Variable 36 OTHERPROC10 Char Variable 37 OTHERPROC10 Char Other Variable 37 OTHERPROC11 Char Other Variable 37 OTHERPROC11 Char Concurre 38 CONCURR1 Char Concurre 39 CONCURR2 Char Concurre 30 CONCURR2 Char Concurre 31 CONCURR3 Char Concurre 32 CONCPT3 Char Concurre 33 CONCURR3 Num Concurre 34 CONCURR3 Char Concurre 35 CONCURA Char Concurre 36 CONVRVU3 Num Concurre 37 CONCURR5 Char	ther Work Relative Value Unit 8	*Other Work Relative Value Unit 8		-99 = No Procedure/No Response
83 OTHERCPT9 Char Other Val 84 OTHERRVRVU9 Num Other Wc 85 OTHERRVRVU9 Num Other Wc 86 OTHERRPROC10 Char Variable I 86 OTHERRVRVU10 Num Other Wc 87 OTHERWRVU10 Num Other Wc 88 CONCURR1 Char Concurre 90 CONCPT1 Char Concurre 91 CONCURR2 Char Concurre 92 CONCPT2 Char Concurre 93 CONWRVU2 Num Concurre 94 CONCURR3 Char Concurre 95 CONCURR4 Char Concurre 96 CONWRVU4 Num Concurre 97 CONCURR5 Char Concurre 98 CONCURR5 Char Concurre 100 CONCURR5 Char Concurre 101 CONCURR5 Num Concurre </td <td></td> <td></td> <td></td> <td> No i rocculicino Response</td>				No i rocculicino Response
84 OTHERWRVU9 Num Other Wc 85 OTHERPROC10 Char Variable 1 86 OTHERCPT10 Char Other Variable 1 87 OTHERCPT10 Char Other Variable 1 87 OTHERCPT10 Char Other Variable 1 87 OTHERWRVU10 Num Other Wc 88 CONCURR1 Char Concurre 90 CONVRVU1 Num Concurre 90 CONCURR2 Char Concurre 91 CONCURR2 Char Concurre 92 CONCPT2 Char Concurre 93 CONCURR3 Char Concurre 94 CONCURR3 Char Concurre 96 CONVRVU3 Num Concurre 97 CONCURR4 Char Concurre 98 CONCURS5 Char Concurre 100 CONCURR5 Char Concurre 103 CONCURR6 Char <	ariable Name:Other Procedure 9	Variable Name:Other Procedures		NULL = No Procedure
B5 OTHERPROC10 Char Variable I 86 OTHERCPT10 Char Other Variable I 87 OTHERCPT10 Char Other Variable I 87 OTHERWRVU10 Num Other Wc 88 CONCURR1 Char Concurre 90 CONCURR2 Char Concurre 91 CONCURR2 Char Concurre 92 CONWRVU1 Num Concurre 93 CONCURR3 Char Concurre 94 CONCURR3 Char Concurre 95 CONCURR3 Char Concurre 96 CONCURR4 Char Concurre 97 CONCURR4 Char Concurre 98 CONCURS5 Char Concurre 100 CONCURS5 Char Concurre 101 CONCURR5 Char Concurre 102 CONWRVU5 Num Concurre 103 CONCURR7 Char Concu	her Variable Name:Other Procedure 9	Variable Name:Other Procedures		NULL = No Procedure
86 OTHERCPT10 Char Other Val 87 OTHERWRVU10 Num Other Wc 87 OTHERWRVU10 Num Other Wc 88 CONCURR1 Char Concurre 89 CONCURT1 Char Concurre 90 CONWRVU1 Num Concurre 91 CONCURR2 Char Concurre 92 CONCPT2 Char Concurre 93 CONCPT2 Char Concurre 94 CONCURR3 Char Concurre 95 CONCURR3 Char Concurre 96 CONVRVU3 Num Concurre 97 CONCURR4 Char Concurre 98 CONCURS5 Char Concurre 100 CONCURS5 Num Concurre 101 CONCURR5 Num Concurre 102 CONWRVU5 Num Concurre 103 CONCURR6 Char Concurre <t< td=""><td>her Work Relative Value Unit 9</td><td>*Other Work Relative Value Unit 9</td><td></td><td>-99 = No Procedure/No Response</td></t<>	her Work Relative Value Unit 9	*Other Work Relative Value Unit 9		-99 = No Procedure/No Response
86 OTHERCPT10 Char Other Val 87 OTHERWRVU10 Num Other Wc 87 OTHERWRVU10 Num Other Wc 88 CONCURR1 Char Concurre 89 CONCURT1 Char Concurre 90 CONWRVU1 Num Concurre 91 CONCURR2 Char Concurre 92 CONCPT2 Char Concurre 93 CONCPT2 Char Concurre 94 CONCURR3 Char Concurre 95 CONCURR3 Char Concurre 96 CONVRVU3 Num Concurre 97 CONCURR4 Char Concurre 98 CONCURS5 Char Concurre 100 CONCURS5 Num Concurre 101 CONCURR5 Num Concurre 102 CONWRVU5 Num Concurre 103 CONCURR6 Char Concurre <t< td=""><td>ariable Name:Other Procedure 10</td><td>Variable Name:Other Procedures</td><td></td><td>NULL = No Procedure</td></t<>	ariable Name:Other Procedure 10	Variable Name:Other Procedures		NULL = No Procedure
87 OTHERWRVU10 Num Other Wc 88 CONCURR1 Char Concurre 89 CONCPT1 Char Concurre 90 CONWRVU1 Num Concurre 91 CONCURR2 Char Concurre 92 CONWRVU2 Num Concurre 93 CONVRVU2 Num Concurre 94 CONCURR3 Char Concurre 95 CONCPT3 Char Concurre 96 CONURRVU3 Num Concurre 97 CONCURR4 Char Concurre 98 CONURRVU4 Num Concurre 99 CONWRVU4 Num Concurre 100 CONCURR5 Char Concurre 101 CONCURS Num Concurre 102 CONWRVU5 Num Concurre 103 CONCURR6 Char Concurre 104 CONCPT6 Char Concurre	ther Variable Name:Other Procedure 10	Variable Name:Other Procedures		NULL = No Procedure
88 CONCURR1 Char Concurre 89 CONCPT1 Char Concurre 90 CONWRVU1 Num Concurre 91 CONCPT2 Char Concurre 92 CONCPT2 Char Concurre 93 CONWRVU2 Num Concurre 94 CONCURR3 Char Concurre 95 CONCPT3 Char Concurre 96 CONCURR4 Char Concurre 97 CONCURR4 Char Concurre 98 CONCPT4 Char Concurre 99 CONWRVU3 Num Concurre 90 CONCURR5 Char Concurre 100 CONCURS5 Num Concurre 101 CONCUR6 Char Concurre 102 CONWRVU5 Num Concurre 103 CONCURR6 Char Concurre 104 CONCUR77 Char Concurre	ther Work Relative Value Unit 10	*Other Work Relative Value Unit 10		-99 = No Procedure/No Response
89 CONCPT1 Char Concurre 90 CONWRVU1 Num Concurre 91 CONCURR2 Char Concurre 91 CONCURR2 Char Concurre 92 CONCPT2 Char Concurre 93 CONWRVU2 Num Concurre 94 CONCURR3 Char Concurre 95 CONCURR3 Char Concurre 96 CONCURR4 Char Concurre 97 CONCURR4 Char Concurre 98 CONCURR5 Char Concurre 99 CONWRVU4 Num Concurre 100 CONCURR5 Char Concurre 101 CONCURR5 Char Concurre 102 CONWRVU5 Num Concurre 103 CONCURR6 Char Concurre 104 CONCURR7 Char Concurre 105 CONWRVU6 Num Concurre				
90 CONWRVU1 Num Concurre 91 CONCURR2 Char Concurre 92 CONCPT2 Char Concurre 93 CONWRVU2 Num Concurre 94 CONCURR3 Char Concurre 95 CONCURR3 Char Concurre 96 CONCURR4 Char Concurre 97 CONCURR4 Char Concurre 98 CONCPT4 Char Concurre 99 CONVRVU4 Num Concurre 90 CONCURR5 Char Concurre 100 CONCURR5 Char Concurre 101 CONCURR5 Num Concurre 102 CONWRVU5 Num Concurre 103 CONCURR6 Char Concurre 104 CONCUR77 Char Concurre 105 CONURR7 Char Concurre 106 CONCURR8 Char Concurre	oncurrent Procedure 1	Variable Name:Concurrent Procedures		NULL = No Procedure
91 CONCURR2 Char Concurre 92 CONCPT2 Char Concurre 93 CONWRVU2 Num Concurre 94 CONCURR3 Char Concurre 95 CONCURR3 Char Concurre 96 CONWRVU3 Num Concurre 97 CONCURR4 Char Concurre 98 CONCPT4 Char Concurre 99 CONWRVU4 Num Concurre 100 CONCURR5 Char Concurre 101 CONCURR5 Char Concurre 102 CONWRVU5 Num Concurre 103 CONCURR6 Char Concurre 104 CONCUR7 Char Concurre 105 CONWRVU6 Num Concurre 106 CONCUR7 Char Concurre 108 CONCUR7 Char Concurre 109 CONCUR8 Char Concurre	oncurrent CPT 1	Variable Name:Concurrent Procedures		NULL = No Procedure
92 CONCPT2 Char Concurre 93 CONWRVU2 Num Concurre 94 CONCURR3 Char Concurre 95 CONCPT3 Char Concurre 96 CONCURR4 Char Concurre 97 CONCURR4 Char Concurre 98 CONCPT4 Char Concurre 99 CONVRVU3 Num Concurre 99 CONCURR5 Char Concurre 100 CONCURS5 Char Concurre 101 CONCURS5 Char Concurre 102 CONWRVU5 Num Concurre 103 CONCURR6 Char Concurre 104 CONCUR77 Char Concurre 105 CONWRVU6 Num Concurre 106 CONCURR8 Char Concurre 109 CONCURR8 Char Concurre 110 CONWRVU7 Num Concurre	oncurrent Work Relative Value Unit 1	*Concurrent Work Relative Value Unit 1		-99 = No Procedure/No Response
93 CONWRVU2 Num Concurre 94 CONCURR3 Char Concurre 95 CONCPT3 Char Concurre 96 CONWRVU3 Num Concurre 97 CONCURR4 Char Concurre 98 CONCURR4 Char Concurre 99 CONCURR5 Char Concurre 100 CONCURR5 Char Concurre 101 CONCURR5 Char Concurre 102 CONWRVU5 Num Concurre 103 CONCURR6 Char Concurre 104 CONCURR6 Char Concurre 105 CONWRVU5 Num Concurre 106 CONCUR77 Char Concurre 107 CONCUR72 Char Concurre 108 CONWRVU5 Num Concurre 109 CONCUR8 Char Concurre 110 CONCUR8 Char Concurre <tr< td=""><td>oncurrent Procedure 2</td><td>Variable Name:Concurrent Procedures</td><td></td><td>NULL = No Procedure</td></tr<>	oncurrent Procedure 2	Variable Name:Concurrent Procedures		NULL = No Procedure
94 CONCURR3 Char Concurre 95 CONCPT3 Char Concurre 96 CONWRVU3 Num Concurre 97 CONCURR4 Char Concurre 98 CONCPT4 Char Concurre 99 CONWRVU4 Num Concurre 100 CONCURR5 Char Concurre 101 CONCPT5 Char Concurre 102 CONWRVU5 Num Concurre 103 CONCURR6 Char Concurre 104 CONCPT6 Char Concurre 105 CONWRVU6 Num Concurre 106 CONCUR7 Char Concurre 108 CONWRVU7 Num Concurre 109 CONCURR8 Char Concurre 110 CONCUR8 Char Concurre 110 CONCUR8 Char Concurre 111 CONURR9 Char Concurre	oncurrent CPT 2	Variable Name:Concurrent Procedures		NULL = No Procedure
95 CONCPT3 Char Concurre 96 CONWRVU3 Num Concurre 97 CONCURR4 Char Concurre 98 CONCURA Char Concurre 99 CONWRVU4 Num Concurre 99 CONCURR5 Char Concurre 100 CONCURR5 Char Concurre 101 CONCURR5 Char Concurre 102 CONWRVU5 Num Concurre 103 CONCURR6 Char Concurre 104 CONCURR6 Char Concurre 105 CONWRVU6 Num Concurre 106 CONCUR77 Char Concurre 108 CONCUR78 Char Concurre 109 CONCUR8 Char Concurre 109 CONCUR8 Char Concurre 111 CONCUR8 Num Concurre 111 CONCUR9 Char Concurre	oncurrent Work Relative Value Unit 2	*Concurrent Work Relative Value Unit 2		-99 = No Procedure/No Response
96 CONWRVU3 Num Concurre 97 CONCURR4 Char Concurre 98 CONCPT4 Char Concurre 99 CONWRVU4 Num Concurre 100 CONCURR5 Char Concurre 101 CONCURR5 Char Concurre 102 CONWRVU5 Num Concurre 103 CONCURR6 Char Concurre 104 CONCPT6 Char Concurre 105 CONWRVU6 Num Concurre 106 CONCURR7 Char Concurre 108 CONCURR8 Char Concurre 109 CONCURR8 Char Concurre 110 CONCUR8 Char Concurre 111 CONCUR8 Char Concurre 112 CONCUR9 Char Concurre 113 CONCPT9 Char Concurre	oncurrent Procedure 3	Variable Name:Concurrent Procedures		NULL = No Procedure
96 CONWRVU3 Num Concurre 97 CONCURR4 Char Concurre 98 CONCPT4 Char Concurre 99 CONWRVU4 Num Concurre 100 CONCURR5 Char Concurre 101 CONCURR5 Char Concurre 102 CONWRVU5 Num Concurre 103 CONCURR6 Char Concurre 104 CONCPT6 Char Concurre 105 CONURR7 Char Concurre 106 CONCURR7 Char Concurre 107 CONCURR7 Char Concurre 108 CONWRVU7 Num Concurre 109 CONCURR8 Char Concurre 111 CONWRVU8 Num Concurre 111 CONCURR9 Char Concurre 113 CONCPT9 Char Concurre	oncurrent CPT 3	Variable Name:Concurrent Procedures		NULL = No Procedure
98 CONCPT4 Char Concurre 99 CONWRVU4 Num Concurre 100 CONCURR5 Char Concurre 101 CONCPT5 Char Concurre 102 CONWRVU5 Num Concurre 103 CONCURR6 Char Concurre 104 CONCPT6 Char Concurre 105 CONWRVU6 Num Concurre 106 CONCURR7 Char Concurre 107 CONCURR7 Char Concurre 108 CONWRVU7 Num Concurre 109 CONCURR8 Char Concurre 110 CONCURR8 Char Concurre 111 CONWRVU8 Num Concurre 112 CONCURR9 Char Concurre 113 CONCPT9 Char Concurre	oncurrent Work Relative Value Unit 3	*Concurrent Work Relative Value Unit 3		-99 = No Procedure/No Response
98 CONCPT4 Char Concurre 99 CONWRVU4 Num Concurre 100 CONCURR5 Char Concurre 101 CONCPT5 Char Concurre 102 CONWRVU5 Num Concurre 103 CONCURR6 Char Concurre 104 CONCPT6 Char Concurre 105 CONWRVU6 Num Concurre 106 CONCURR7 Char Concurre 107 CONCURR7 Char Concurre 108 CONWRVU7 Num Concurre 109 CONCURR8 Char Concurre 110 CONCURR8 Char Concurre 111 CONWRVU8 Num Concurre 112 CONCURR9 Char Concurre 113 CONCPT9 Char Concurre	oncurrent Procedure 4	Variable Name:Concurrent Procedures		NULL = No Procedure
99 CONWRVU4 Num Concurre 100 CONCURR5 Char Concurre 101 CONCURT5 Char Concurre 102 CONWRVU5 Num Concurre 103 CONCURR6 Char Concurre 104 CONCURR6 Char Concurre 105 CONWRVU6 Num Concurre 106 CONCURR7 Char Concurre 107 CONCPT7 Char Concurre 108 CONWRVU7 Num Concurre 109 CONCURR8 Char Concurre 110 CONCURR8 Char Concurre 111 CONCURR9 Char Concurre 113 CONCPT9 Char Concurre	oncurrent CPT 4	Variable Name:Concurrent Procedures		NULL = No Procedure
101 CONCPT5 Char Concurre 102 CONWRVU5 Num Concurre 103 CONCURR6 Char Concurre 104 CONCURR6 Char Concurre 105 CONWRVU6 Num Concurre 106 CONCURR7 Char Concurre 107 CONCPT7 Char Concurre 108 CONWRVU7 Num Concurre 109 CONCURR8 Char Concurre 110 CONCPT8 Char Concurre 111 CONWRVU8 Num Concurre 112 CONCURR9 Char Concurre 113 CONCPT9 Char Concurre	oncurrent Work Relative Value Unit 4	*Concurrent Work Relative Value Unit 4		-99 = No Procedure/No Response
101 CONCPT5 Char Concurre 102 CONWRVU5 Num Concurre 103 CONCURR6 Char Concurre 104 CONCURR6 Char Concurre 105 CONWRVU6 Num Concurre 106 CONCURR7 Char Concurre 107 CONCPT7 Char Concurre 108 CONWRVU7 Num Concurre 109 CONCPT8 Char Concurre 110 CONCPT8 Char Concurre 111 CONWRVU8 Num Concurre 112 CONCURR9 Char Concurre 113 CONCPT9 Char Concurre	oncurrent Procedure 5	Variable Name:Concurrent Procedures		NULL = No Procedure
102 CONWRVU5 Num Concurre 103 CONCURR6 Char Concurre 104 CONCPT6 Char Concurre 105 CONWRVU6 Num Concurre 106 CONCURR7 Char Concurre 107 CONCURR7 Char Concurre 108 CONWRVU7 Num Concurre 109 CONCURR8 Char Concurre 110 CONCVR8 Char Concurre 111 CONWRVU8 Num Concurre 112 CONCURR9 Char Concurre 113 CONCPT9 Char Concurre	oncurrent CPT 5	Variable Name:Concurrent Procedures		NULL = No Procedure
104 CONCPT6 Char Concurre 105 CONWRVU6 Num Concurre 106 CONCURR7 Char Concurre 107 CONCPT7 Char Concurre 108 CONWRVU7 Num Concurre 109 CONCURR8 Char Concurre 110 CONCURR8 Char Concurre 111 CONWRVU8 Num Concurre 112 CONCURR9 Char Concurre 113 CONCPT9 Char Concurre	oncurrent Work Relative Value Unit 5	*Concurrent Work Relative Value Unit 5		-99 = No Procedure/No Response
104 CONCPT6 Char Concurre 105 CONWRVU6 Num Concurre 106 CONCURR7 Char Concurre 107 CONCUR77 Char Concurre 108 CONWRVU7 Num Concurre 109 CONCURR8 Char Concurre 110 CONCVR8 Char Concurre 111 CONWRVU8 Num Concurre 112 CONCURR9 Char Concurre 113 CONCPT9 Char Concurre	oncurrent Procedure 6	Variable Name:Concurrent Procedures		NULL = No Procedure
105 CONWRVU6 Num Concurre 106 CONCURR7 Char Concurre 107 CONCPT7 Char Concurre 108 CONWRVU7 Num Concurre 109 CONCURR8 Char Concurre 110 CONCURR8 Char Concurre 111 CONWRVU8 Num Concurre 112 CONCURR9 Char Concurre 113 CONCPT9 Char Concurre	oncurrent CPT 6	Variable Name:Concurrent Procedures		NULL = No Procedure
107 CONCPT7 Char Concurre 108 CONWRVU7 Num Concurre 109 CONCURR8 Char Concurre 110 CONCURR8 Char Concurre 111 CONWRVU8 Num Concurre 112 CONCURR9 Char Concurre 113 CONCPT9 Char Concurre	oncurrent Work Relative Value Unit 6	*Concurrent Work Relative Value Unit 6		-99 = No Procedure/No Response
107 CONCPT7 Char Concurre 108 CONWRVU7 Num Concurre 109 CONCURR8 Char Concurre 110 CONCURR8 Char Concurre 111 CONWRVU8 Num Concurre 112 CONCURR9 Char Concurre 113 CONCPT9 Char Concurre	oncurrent Procedure 7	Variable Name:Concurrent Procedures		NULL = No Procedure
109 CONCURR8 Char Concurre 110 CONCPT8 Char Concurre 111 CONWRVU8 Num Concurre 112 CONCURR9 Char Concurre 113 CONCPT9 Char Concurre	oncurrent CPT 7	Variable Name:Concurrent Procedures		NULL = No Procedure
CONCPT8 Char Concurre 111 CONWRVU8 Num Concurre 112 CONCURR9 Char Concurre 113 CONCPT9 Char Concurre	oncurrent Work Relative Value Unit 7	*Concurrent Work Relative Value Unit 7		-99 = No Procedure/No Response
CONCPT8 Char Concurre 111 CONWRVU8 Num Concurre 112 CONCURR9 Char Concurre 113 CONCPT9 Char Concurre	oncurrent Procedure 8	Variable Name:Concurrent Procedures		NULL = No Procedure
CONWRVU8 Num Concurre 112 CONCURR9 Char Concurre 113 CONCPT9 Char Concurre	oncurrent CPT 8	Variable Name:Concurrent Procedures		NULL = No Procedure
113 CONCPT9 Char Concurre	oncurrent Work Relative Value Unit 8	*Concurrent Work Relative Value Unit 8		-99 = No Procedure/No Response
113 CONCPT9 Char Concurre	oncurrent Procedure 9	Variable Name:Concurrent Procedures		NULL = No Procedure
	oncurrent CPT 9	Variable Name:Concurrent Procedures		NULL = No Procedure
114 CONWRVU9 Num Concurre	oncurrent Work Relative Value Unit 9	*Concurrent Work Relative Value Unit 9		-99 = No Procedure/No Response
115 CONCURR10 Char Concurre	oncurrent Procedure 10	Variable Name:Concurrent Procedures		NULL = No Procedure

Position #	Variable Name	Data	Variable Label	Search Term in Chapter 4	Variable Options at Entry	Comments
		Туре		Notes: 'Variable Name:' needs to be included in Search Term;		
				*Variables not included in Chap 4		
16	CONCPT10	Char	Concurrent CPT 10	Variable Name:Concurrent Procedures		NULL = No Procedure
17	CONWRVU10	Num	Concurrent Work Relative Value Unit 10	*Concurrent Work Relative Value Unit 10		-99 = No Procedure/No Response
8	ASACLAS	Char	ASA classification	Variable Name:ASA Classification	1-No Disturb	NULL= No Response
					2-Mild Disturb	
					3-Severe Disturb	
					4-Life Threat	
					5-Moribund	
					None assigned	
19	MORTPROB	Num	Estimated Probability of Mortality	*Probability of mortality is developed for all cases based on a logistic regression analysis using the patient's preopeartive characteristics as the independent or predictive variables. Only cases included in the logistic regression analysis will have the associated probabilities of mortality.		System missing = case was not included in the logistic regression analysis
120	MORBPROB		Estimated Probability of Morbidity	*Probability of morbidity is developed for all cases based on a logistic regression analysis using the patient's preopeartive characteristics as the independent or predictive variables. Only cases included in the logistic regression analysis will have the associated probabilities of morbidity.		System missing = case was not included in the logistic regression analysis
121	OPTIME	Num	Total operation time	*Total operation time in minutes		-99 = No Response
122	HDISDT	Num	Hospital discharge Year	Variable Name:Acute Hospital Discharge Date		-99 = No Response
123	YRDEATH	Num	Year of death	Variable Name:Date of Death		-99 = Patient alive at 30 days Notes: include death >30days of procedure
124	TOTHLOS	Num	Length of total hospital stay	*Length of total hospital stay		
125	AdmQtr	Num	Quarter of Admission	Variable Name:Hospital Admission Date	1; 2; 3; 4	-99 = No Response
126	HtoODay	Num	Days from Hospital Admission to Operation	*Days from Hospital Admission to Operation		-99 = No Response
127	NSUPINFEC	Num	Number of Superficial Incisional SSI Occurrences	*Number of Superficial Incisional SSI Occurrences		
128	SUPINFEC	Char	Occurrences Superficial surgical site infection	Variable Name:Superficial Incisional SSI	No Complication; Superficial Incisional SSI	
29	SSSIPATOS	Char	Superficial Incisional SSI PATOS	Variable Name:Superficial Incisional SSI – PATOS	Yes; No	NULL = No response
130	DSUPINEEC	Num	Days from Operation until Superficial Incisional SSI Complication	*Days from Operation until Superficial Incisional SSI Complication		
31	NWNDINFD	Num	Number of Deep Incisional SSI Occurrences	*Number of Deep Incisional SSI Occurrences		
32	WNDINFD	Char	Occurrences Deep Incisional SSI	Variable Name:Deep Incisional SSI	Deep Incisional SSI; No Complication	
33	DSSIPATOS	Char	Deep Incisional SSI PATOS	Variable Name:Deep Incisional SSI – PATOS	Yes; No	NULL = No response
100	Dooli Aloo	Ondi			103,110	HOLE - Ho response
134	DWNDINFD	Num	Days from Operation until Deep Incisional SSI Complication	*Days from Operation until Deep Incisional SSI Complication		-99 = Patient did not experience thi complication at or before 30 days post operation
135	NORGSPCSSI	Num	Number of Organ/Space SSI Occurrences	*Number of Organ/Space SSI Occurrences		
136	ORGSPCSSI	Char	Occurrences Organ Space SSI	Variable Name:Organ/Space SSI	Organ/Space SSI; No Complication	
137	OSSIPATOS	Char	Organ/Space SSI PATOS	Variable Name:Organ/Space SSI – PATOS	Yes: No	NULL = No response
138	DORGSPCSSI	Num	Days from Operation until Organ/Space SSI Complication	*Days from Operation until Organ/Space SSI Complication		-99 = Patient did not experience thi complication at or before 30 days post operation
139	NDEHIS	Num	Number of Wound Disruption Occurrences	*Number of Wound Disruption Occurrences		
140	DEHIS	Char	Occurrences Wound Disrupt	Variable Name:Wound Disruption	Wound Disruption; No Complication	
141	DDEHIS	Num	Days from Operation until Wound Disruption Complication	*Days from Operation until Wound Disruption Complication		-99 = Patient did not experience thi complication at or before 30 days post operation
142	NOUPNEUMO	Num	Number of Pneumonia Occurrences	*Number of Pneumonia Occurrences		
143	OUPNEUMO	Char	Occurrences Pneumonia	Variable Name:Pneumonia	Pneumonia; No Complication	
144	PNAPATOS	Char	Pneumonia PATOS	Variable Name:Pneumonia – PATOS	Yes; No	NULL = No response
145	DOUPNEUMO	Num	Days from Operation until Pneumonia Complication	*Days from Operation until Pneumonia Complication		-99 = Patient did not experience thi complication at or before 30 days post operation
146	NREINTUB	Num	Number of Unplanned Intubation Occurrences	*Number of Unplanned Intubation Occurrences		
147	REINTUB	Char	Occurrences Unplanned Intubation	Variable Name:Unplanned Intubation	Unplanned Intubation; No Complication	
148	DREINTUB	Num	Days from Operation until Unplanned Intubation Complication	*Days from Operation until Unplanned Intubation Complication		-99 = Patient did not experience thi complication at or before 30 days post operation
149	NPULEMBOL	Num	Number of Pulmonary Embolism Occurrences	*Number of Pulmonary Embolism Occurrences		
			Occurrences Pulmonary Embolism	Variable Name:Pulmonary Embolism	Pulmonary Embolism; No Complication	
150	PULEMBOL	Char				

Position #	Variable Name	Data Type	Variable Label	Search Term in Chapter 4 Notes: "Variable Name:' needs to be included in Search Term; Modelble and is chapted in Chapted in Chapter 4	Variable Options at Entry	Comments
151	DPULEMBOL	Num	Days from Operation until Pulmonary Embolism Complication	Variables not included in Chap 4 *Days from Operation until Pulmonary Embolism Complication		-99 = Patient did not experience thi complication at or before 30 days post operation
152	NFAILWEAN	Num	Number of On Ventilator > 48 Hours Occurrences	*Number of On Ventilator > 48 Hours Occurrences		
	FAILWEAN	Char	Occurrences Ventilator > 48Hours	Variable Name:On Ventilator > 48 Hours	On Ventilator greater than 48 Hours; No Complication	
153 154	VENTPATOS	Char	On Ventilator > 48 Hours PATOS	Variable Name:On Ventilator > 48 Hours – PATOS	Yes; No	NULL = No response
155	DFAILWEAN	Num	Days from Operation until On Ventilator > 48 Hours Complication	*Days from Operation until On Ventilator > 48 Hours Complication		-99 = Patient did not experience thi complication at or before 30 days post operation
156	NRENAINSF	Num	Number of Postop Renal Insufficiency Occurrences	*Number of Postop Renal Insufficiency Occurrences		
157	RENAINSF	Char	Occurrences Postop Renal Insufficiency	Variable Name:Postop Renal Insufficiency	Postop Renal Insufficiency; No Complication	Definition changed July 2021
158	DRENAINSF	Num	Days from Operation until Postop Renal Insufficiency Complication	*Days from Operation until Postop Renal Insufficiency Complication		-99 = Patient did not experience thi complication at or before 30 days post operation
159	NOPRENAFL	Num	Number of Postop Dialysis Occurrences	*Number of Postop Dialysis Occurrences		
160	OPRENAFL	Char	Occurrences Postop Dialysis	Variable Name:Postop Dialysis	Postop Dialysis; No Complication	Definition changed July 2021
161	DOPRENAFL	Num	Days from Operation until Postop Dialysis Complication	*Days from Operation until Postop Dialysis Complication		-99 = Patient did not experience thi complication at or before 30 days post operation
162	NURNINFEC	Num	Number of Urinary Tract infection Occurrences	*Number of Urinary Tract infection Occurrences		
163	URNINFEC	Char	Occurrences Urinary Tract Infection	Variable Name:Urinary Tract Infection	Urinary Tract Infection; No Complication	
164	UTIPATOS	Char	UTI PATOS	Variable Name:UTI – PATOS	Yes; No	NULL = No response
165	DURNINFEC	Num	Days from Operation until Urinary Tract Infection Complication	*Days from Operation until Urinary Tract Infection Complication		-99 = Patient did not experience thi complication at or before 30 days post operation
166	NCNSCVA	Num	Number of Stroke/CVA Occurrences	*Number of Stroke/CVA Occurrences		
167	CNSCVA	Char	CVA/Stroke with neurological deficit	Variable Name:Stroke/CVA	Stroke/CVA: No Complication	
168	DCNSCVA	Num	Days from Operation until Stroke/CVA Complication	*Days from Operation until Stroke/CVA Complication		-99 = Patient did not experience thi complication at or before 30 days post operation
169	NCDARREST	Num	Number of Cardiac Arrest Requiring CPR Occurrences	*Number of Cardiac Arrest Requiring CPR Occurrences		
170	CDARREST	Char	Occurrences Cardiac Arrest Requiring CPR	Variable Name:Cardiac Arrest Requiring CPR	Cardiac Arrest Requiring CPR; No Complication	
171	DCDARREST	Num	Days from Operation until Cardiac Arrest Requiring CPR Complication	*Days from Operation until Cardiac Arrest Requiring CPR Complication		-99 = Patient did not experience thi complication at or before 30 days post operation
172	NCDMI	Num	Number of Myocardial Infarction Occurrences	*Number of Myocardial Infarction Occurrences		
173	CDMI	Char	Occurrences Myocardial Infarction	Variable Name:Myocardial Infarction	Myocardial Infarction; No Complication	
174	DCDMI	Num	Days from Operation until Myocardial Infarction Complication	*Days from Operation until Myocardial Infarction Complication		-99 = Patient did not experience thi complication at or before 30 days post operation
175	NOTHBLEED	Num	Number of Blood Transfusion Occurrences	*Number of Blood Tranfusion Occurrences		
176	OTHBLEED	Char	Occurrences Blood Transfusion	Variable Name:Blood Transfusion	Blood transfusion; No Complication	Definition changed 2018
177	DOTHBLEED	Num	Days from Operation until Blood Transfusion Complication	*Days from Operation until Blood Transfusion Complication		-99 = Patient did not experience th complication at or before 30 days post operation
178	NOTHDVT	Num	Number of Vein Thrombosis Requiring Therapy Occurrences	*Number of Vein Thrombosis Requiring Therapy Occurrences		
179	OTHDVT	Char	Occurrences Vein Thrombosis Requiring Therapy	Variable Name:Venous Thrombosis Requiring Therapy	Venous Thrombosis Requiring Therapy; No Complication	Definition changed July 2021
180	DOTHDVT	Num	Days from Operation until Vein Thrombosis Requiring Therapy Complication	*Days from Operation until Vein Thrombosis Requiring Therapy Complication		-99 = Patient did not experience th complication at or before 30 days post operation
181	NOTHSYSEP	Num	Number of Sensis Occurrences	*Number of Sensis Occurrences		
181 182	NOTHSYSEP OTHSYSEP	Num Char	Number of Sepsis Occurrences Occurrences Sepsis	*Number of Sepsis Occurrences Variable Name:Sepsis	Sepsis; No Complication	

Position #	Variable Name	Data	Variable Label	Search Term in Chapter 4	Variable Options at Entry	Comments
		Туре		Notes: 'Variable Name:' needs to be included in Search Term;		
				*Variables not included in Chap 4		
184	DOTHSYSEP	Num	Days from Operation until Sepsis Complication	*Days from Operation until Sepsis Complication		-99 = Patient did not experience this complication at or before 30 days post operation
185	NOTHSESHOCK	Num	Number of Septic Shock Occurrences	*Number of Septic Shock Occurrences		
186	OTHSESHOCK	Char	Occurrences Septic Shock	Variable Name:Septic Shock	Septic Shock; No Complication	
187	SEPSHOCKPATOS	Char	Septic Shock PATOS	Variable Name:Septic Shock – PATOS	Yes; No	NULL = No Response
188	DOTHSESHOCK	Num	Days from Operation until Septic Shock Complication	*Days from Operation until Septic Shock Complication		-99 = Patient did not experience this complication at or before 30 days post operation
189	PODIAG10	Char	Post-op diagnosis (ICD 10)	Variable Name:Postoperative ICD-10 Code		
190	PODIAGTX10	Char	Post-op Diagnosis Text	Variable Name:Postoperative ICD-10 Code		
191	RETURNOR	Char	Return to OR	Variable Name:Unplanned Reoperation	Yes; No	NULL= No Response
192	DOpertoD	Num	Days from Operation to Death	*Days from Operation to Death		-99 = Patient did not die at or before 30 days post operation Notes: deaths within 30 days of procedure included only
193	DOptoDis	Num	Days from Operation to Discharge	*Days from Operation to Discharge		-99 = No Response
194	STILLINHOSP	Char	Still in Hospital > 30 Days	Variable Name:Still in Hospital > 30 Days	Yes; No	NULL = No Response
195	REOPERATION1	Char	Unplanned Reoperation 1	Variable Name:30-Day Unplanned Return to OR	Yes; No	NULL=No Response
196	RETORPODAYS	Num	Days from Principal Operative Procedure to Unplanned Reoperation 1	*Days from Principal Operative Procedure to Unplanned Return to OR 1		-99 = Patient did not experience Unplanned Reoperation 1
197	REOPORCPT1	Char	Unplanned Reoperation 1 CPT	Variable Name:30-Day Unplanned Return to OR		NULL = No Response
198	RETORRELATED	Char	Unplanned Reoperation 1 related to principal operative procedure	Variable Name:30-Day Unplanned Return to OR	Yes	NULL = No Response
					No	
					Unknown	
199	REOPOR1ICD101	Char	Unplanned Reoperation 1 ICD-10	Variable Name:30-Day Unplanned Return to OR		
200	REOPERATION2	Char	Unplanned Reoperation 2	Variable Name:30-Day Unplanned Return to OR	Yes: No	NULL=No Response
200	RETOR2PODAYS	Num	Days from principal operative procedure to Unplanned Reoperation 2	*Days from Principal Operative Procedure to Unplanned Return to OR 2	165, NU	-99 = Patient did not experience Unplanned Reoperation 2
202	REOPOR2CPT1	Char	Unplanned Reoperation 2 CPT	Variable Name:30-Day Unplanned Return to OR		NULL = No Response
203	RETOR2RELATED	Char	Unplanned Reoperation 2 related to principal operative procedure	Variable Name:30-Day Unplanned Return to OR	Yes	NULL = No Response
	-	-			No	
					Unknown	
204	REOPOR2ICD101	Char	Unplanned Reoperation 2 ICD-10	Variable Name:30-Day Unplanned Return to OR		NULL = No Response
205	REOPERATION3	Char	More than 2 unplanned reoperations	Variable Name:30-Day Unplanned Return to OR	Yes; No	NULL=No Response
206	READMISSION1	Char	Any Readmission 1	Variable Name:30-Day Readmission	Yes; No	NULL=No Response
207	READMPODAYS1	Num	Days from Principal Operative Procedure to Any Readmission 1	*Days from Principal Operative Procedure to Any Readmission 1		-99 = Patient did not experience Any Readmission 1
208	UNPLANNEDREADMISSION1	Char	Unplanned Readmission 1	Variable Name:30-Day Readmission	Yes; No	NULL = No Response
209	READMRELATED1	Char	Unplanned Readmission 1 likely related to the principal procedure	Variable Name:30-Day Readmission	Yes; No	NULL = No Response

osition #	Variable Name	Data	Variable Label	Search Term in Chapter 4	Variable Options at Entry	Comments
		Туре		Notes: 'Variable Name:' needs to be included in Search Term;		
		. , , , , ,		*Variables not included in Chap 4		
10	READMSUSPREASON1	Char	Readmission related suspected reason 1	Variable Name:30-Day Readmission	Superficial Incisional SSI	NULL = No Response
10	READINGUST REASONT	Criai	ineaumission related suspected reason in	Variable Name.50-Day Neadmission	Deep Incisional SSI	NOLL - NO Response
					Organ/Space SSI	
					Wound Disruption	
					Pneumonia	
					Unplanned Intubation	
					Pulmonary Embolism	
					On Ventilator > 48 hours	
					Progressive Renal Insufficiency	
					Acute Renal Failure	
					Urinary Tract Infection	
					CVA	
					Cardiac Arrest Requiring CPR	
					Myocardial Infarction	
					Bleeding Requiring Transfusion (72h of surgery start time)	
					Vein Thrombosis Requiring Therapy	
					Sepsis	
	1	1			Septic Shock	
		1			Other (list ICD 9 code)	
	1	1			Other (list ICD 10 code)	
		1			C. diff	
1	READMUNRELSUSP1	Chor	Readmission unrelated suspected reason 1	Variable Nama: 20 Day Boodmission		
	READIVIONRELSUSPT	Char	Readmission unrelated suspected reason 1	Variable Name:30-Day Readmission	Superficial Incisional SSI	NULL = No Response
		1			Deep Incisional SSI	
		1			Organ/Space SSI	
					Wound Disruption	
					Pneumonia	
					Unplanned Intubation	
					Pulmonary Embolism	
					On Ventilator > 48 hours	
					Progressive Renal Insufficiency	
					Acute Renal Failure	
					Urinary Tract Infection	
					CVA	
					Cardiac Arrest Requiring CPR	
					Myocardial Infarction	
					Bleeding Requiring Transfusion (72h of surgery start time)	
					Vein Thrombosis Requiring Therapy	
					Sepsis	
					Septic Shock	
					Other (list ICD 9 code)	
					Other (list ICD 10 code)	
					C. diff	
,	READMRELICD101	Char	Readmission related ICD-10 code 1	Variable Name:30-Day Readmission		NULL = No Response
3	READMIRELICD101	Char	Readmission unrelated ICD-10 code 1	Variable Name:30-Day Readmission		NULL = No Response
)						NULL = No Response
	READMISSION2	Char	Any Readmission 2	Variable Name:30-Day Readmission	Yes; No	
5	READMPODAYS2	Num	Days from Principal Operative Procedure to Any Readmission 2	*Days from Principal Operative Procedure to Any Readmission 2		-99 = Patient did not experience A
	1	1				Readmission 2
	UNPLANNEDREADMISSION2	Char	Unplanned Readmission 2	Variable Name:30-Day Readmission	Yes;No	NULL = No Response
	READMRELATED2	Char	Unplanned Readmission 2 likely related to the principal procedure	Variable Name:30-Day Readmission	Yes;No	NULL = No Response
					. ==,	
	READMSUSPREASON2	Char	Readmission related suspected reason 2	Variable Nama:20 Day Beadmission	See "Beedmission related suspected reason #"	NULL = No Response
		Char		Variable Name:30-Day Readmission	See "Readmission related suspected reason 1"	
)	READMUNRELSUSP2	Char	Readmission unrelated suspected reason 2	Variable Name:30-Day Readmission	See "Readmission unrelated suspected reason 1"	NULL = No Response
	READMRELICD102	Char	Readmission related ICD-10 code 2	Variable Name:30-Day Readmission		NULL = No Response
	READMUNRELICD102	Char	Readmission unrelated ICD-10 code 2	Variable Name:30-Day Readmission		NULL = No Response
	READMISSION3	Char	Any Readmission 3	Variable Name:30-Day Readmission	Yes; No	
	READMPODAYS3	Num	Days from Principal Operative Procedure to Any Readmission 3	*Days from Principal Operative Procedure to Any Readmission 3		-99 = Patient did not experience A
	CE EM ODATOD		age nem i mapai operative i recoure to vity redullibatori o	Says nom namopal operative r recodure to hity readmission o		Readmission 3
		0	Handson al Desideriados A	Mariala Maria 00 Decembrative	March I.	
	UNPLANNEDREADMISSION3	Char	Unplanned Readmission 3	Variable Name:30-Day Readmission	Yes;No	NULL = No Response
	READMRELATED3	Char	Unplanned Readmission 3 likely related to the principal procedure	Variable Name:30-Day Readmission	Yes; No	NULL = No Response
	1	1				
	READMSUSPREASON3	Char	Readmission related suspected reason 3	Variable Name:30-Day Readmission	See "Readmission related suspected reason 1"	NULL = No Response
) ,	READMUNRELSUSP3	Char	Readmission unrelated suspected reason 3	Variable Name:30-Day Readmission	See "Readmission unrelated suspected reason 1"	NULL = No Response
	READMRELICD103		Readmission related ICD-10 code 3	Variable Name:30-Day Readmission		NULL = No Response
}		Char				
,	READMUNRELICD103	Char	Readmission unrelated ICD-10 code 3	Variable Name:30-Day Readmission		NULL = No Response
	READMISSION4	Char	Any Readmission 4	Variable Name:30-Day Readmission	Yes; No	
)						
	READMPODAYS4	Num	Days from Principal Operative Procedure to Any Readmission 4	*Days from Principal Operative Procedure to Any Readmission 4		-99 = Patient did not experience A Readmission 4

Position #	Variable Name	Data	Variable Label	Search Term in Chapter 4	Variable Options at Entry	Comments	
		Туре		Notes: 'Variable Name:' needs to be included in Search Term;			
				*Variables not included in Chap 4			
32	UNPLANNEDREADMISSION4	Char	Unplanned Readmission 4	Variable Name:30-Day Readmission	Yes; No	NULL = No Response	
33	READMRELATED4	Char	Unplanned Readmission 4 likely related to the principal procedure	Variable Name:30-Day Readmission	Yes; No	NULL = No Response	
34	READMSUSPREASON4	Char	Readmission related suspected reason 4	Variable Name:30-Day Readmission	See "Readmission related suspected reason 1"	NULL = No Response	
35	READMUNRELSUSP4	Char	Readmission unrelated suspected reason 4	Variable Name:30-Day Readmission	See "Readmission unrelated suspected reason 1"	NULL = No Response	
36	READMRELICD104	Char	Readmission related ICD-10 code 4	Variable Name:30-Day Readmission		NULL = No Response	
37	READMUNRELICD104	Char	Readmission unrelated ICD-10 code 4	Variable Name:30-Day Readmission		NULL = No Response	
38	READMISSION5	Char	Any Readmission 5	Variable Name:30-Day Readmission	Yes; No	· ·	
39	READMPODAYS5	Num	Days from Principal Operative Procedure to Any Readmission 5	*Days from Principal Operative Procedure to Any Readmission 5		-99 = Patient did not experience A Readmission 5	
40	UNPLANNEDREADMISSION5	Char	Unplanned Readmission 5	Variable Name:30-Day Readmission	Yes; No	NULL = No Response	
41	READMRELATED5	Char	Unplanned Readmission 5 likely related to the principal procedure	Variable Name:30-Day Readmission	Yes; No	NULL = No Response	
242	READMSUSPREASON5	Char	Readmission related suspected reason 5	Variable Name:30-Day Readmission	See "Readmission related suspected reason 1"	NULL = No Response	
43	READMUNRELSUSP5	Char	Readmission unrelated suspected reason 5	Variable Name:30-Day Readmission	See "Readmission unrelated suspected reason 1"	NULL = No Response	
44	READMRELICD105	Char	Readmission related ICD-10 code 5	Variable Name:30-Day Readmission		NULL = No Response	
45	READMUNRELICD105	Char	Readmission unrelated ICD-10 code 5	Variable Name:30-Day Readmission		NULL = No Response	
46	PODIAG OTHER10	Char	Other postoperative occurrence(ICD 10)	Variable Name:Other Occurrence (ICD-10 Code)		NULL=No Response	
47	ANESTHES OTHER	Char	Additional anesthesia technique	Variable Name:Additional Anesthesia Technique(s)	General	NULL = No Response	
		1			Epidural		
		1			Spinal	-	
					Regional		
					Local	_	
						Monitored Anesthesia Care/IV Sedation	
					Other		
48	OTHCDIFF	Char	Occurrences Clostridium Difficile (C.diff) Colitis	Variable Name:C. diff Colitis	No Complication; C. diff		
49	NOTHCDIFF	Num	Number of C. diff Occurrences	*Number of C. diff Colitis Occurrences			
49 50	DOTHCDIFF	Num	Days from operation until C.diff Complication	*Days from operation until C. diff Colitis Complication		-99=Patient did not experience	
						complication at or before 30 days post operations	
251	EOL WDCARE	Char	End of Life/Withdrawal of Care	Variable Name:End of Life/Withdrawal of Care	Yes; No		
52	BLEED UNITS TOT	Num	Postop total transfusion amount	Variable Name:Blood Transfusion		-99=No Transfusion	
53	PREOP COVID	Char	Preop COVID-19 Diagnosis	Variable Name:Preop COVID-19 Diagnosis	No	NULL= No Response	
			·····		Yes, lab-confirmed diagnosis (or ICD-10 code U07.1) Yes, suspected diagnosis (or ICD-10 code U07.2)		
54	POSTOP_COVID	Char	Postop COVID-19 Diagnosis	Variable Name:New Postop COVID-19 Diagnosis	No	NULL= No Response	
.04		Onai		Valiable Name.New Postop COVID-10 Diagnosis	Yes, lab-confirmed diagnosis (or ICD-10 code U07.1)	NOLL- NO Nesponse	
					Yes, suspected diagnosis (or ICD-10 code U07.2)		
55	IMMUNO CAT	Char	Immunosuppressive Therapy Category	Variable Name:Immunosuppressive Therapy	Corticosteroids	NULL = No Response	
00		Onai	minulosuppressive merupy outegory	valiable Name.immulosappressive mistapy	Anti-rejection/transplant immunosuppressants	Multiple categories can be selecte	
					Synthetic DMARDs/DMDs	manple sategories sair pe seleste	
					Biologic DMARDs/DMDs	_	
					Other		
56	OXYGEN SUPPORT	Char	Oxygen Support	Variable Name:Oxygen Support	Yes; No	-	
57	HEMO	Char	Hemoglobin A1c	Variable Name:Preoperative Lab Value Information	100, 100	-99 = Lab value not obtained or No	
		Griai		vanable mame. Teoperative Lab value information		Response	
58	CASETYPE	Char	Case Acuity	Variable Name:Case Acuity	Elective; Urgent; Emergent	i teoporiae	
59	HOMESUP	Char	Home Origin Status	Variable Name: Home Origin Status - Support	Lives alone at home; Lives at home with other individuals; Unknown	NULL=No Response	
60	HXFALL	Char	Fall History	Variable Name:Fall History	Yes,within 6 months; No; Unknown	NULL=No Response	
61	HXDEMENTIA	Char	History of Dementia or Cognitive Impairment	Variable Name:History of Dementia or Cognitive Impairment	Yes; No (no conclusive evidence)	NULL=No Response	
62	DELIRIUM	Char	Postoperative Delirium	Variable Name:Postoperative Delirium	Delirium present on screening	NULL=No Response	
02	DELINIOW	Griai		vanabie Name.r Ostoperative Demitum	No delirium present on screening	NOLL- NO Response	
		1			Not screened for delirium	-	
:63	DISHOMESVC	Char	Home Discharge Service	Variable Name:Home Discharge - Services	Discharged to home with services; Discharged to home without services	NULL=No Response	
64	DISFXNSTAT	Char	Functional health status on discharge	Variable Name:Functional Health Status on Discharge	Independent	NULL = No Response	
.0.4	DIGEANGTAT	Criar	i unononar fiediti status on usonarge	vanable Name.Functional meanin Status on Discharge		NOLL - NO Response	
		1			Partially Dependent	-	
					Totally Dependent	1	
					Unknown Expired		

Desition #	Variable Name	Data	Variable Label	Search Term in Chapter 4	Variable Options at Entry	Comments
	variable Name		Variable Label	Notes: "Variable Name:' needs to be included in Search Term:	variable Options at Entry	Comments
		Туре		*Variables not included in Chap 4		
265	PREOP_CREAT_MSINCR	Char	Most Severe Preop Creatinine Increase	Variable Name:Most Severe Preop Creatinine Increase (nested in variable ' Preop Acute Ki		NULL=No Response
					Increase in SCr to 1.5 to <2.0 times baseline (first value) within 7 days	
					Increase in SCr to 2.0 to <3.0 times baseline (first value) within 7 days	
					Increase in SCr to ≥3.0 times baseline (first value) within 7 days	
					Increase in SCr of ≥0.3 mg/dL to ≥4.0 mg/dL within 48 hours	
					Increase in SCr to ≥1.5 times baseline (first value) to ≥4.0 mg/dL within	
					7 days	
266	POSTOP_CREAT_MSINCR	Char	Most Severe Postop Creatinine Increase	Variable Name: Most Severe Postop Creatinine Increase (nested in variable 'Postop	Increase in SCr of ≥0.3 mg/dL within 48 hours	NULL=No Response
				Renal Insufficiency')	Increase in SCr to 1.5 to <2.0 times baseline (first value) within 7 days	
					Increase in SCr to 2.0 to <3.0 times baseline (first value) within 7 days	
					Increase in SCr to ≥3.0 times baseline (first value) within 7 days Increase in SCr of ≥0.3 mg/dL to ≥4.0 mg/dL within 48 hours	
					Increase in SCr to ≥1.5 times baseline (first value) to ≥4.0 mg/dL within	
					7 days	
1						
267	OP_APPROACH	Char	Operative Approach	Variable Name:Operative Approach	Open	Multiple approaches can be selected
					Laparoscopic	
1					Thoracoscopic	
					Arthroscopic	
					Percutaneous	
		1			Endoscopic	
					MIS through Single incision (e.g. SILS, Uni- VATS)	
		1			Natural Orifice Transluminal Endoscopic Surgery (NOTES)	
					Other MIS	
	ROBOT_USED	Char	Robot Used	Variable Name: Robot Used (nested in variable 'Operative Approach')	Yes; No	
269	UNPLANNED_CONV_OPEN	Char	Unplanned Conversion to Open	Variable Name:Unplanned Conversion to Open (nested in variable 'Operative Approach')	Yes; No	
270	HAND OPEN ASSIST	Char	Hand Open Assist	Variable Name:Hand/Open Assist (nested in variable 'Operative Approach')	Yes; No	NULL=No Response



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