

# METABOLIC AND BARIATRIC SURGERY ACCREDITATION AND QUALITY IMPROVEMENT PROGRAM

# User Guide for the 2018 Participant Use Data File (PUF)

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#### MBSAQIP 2018 PUF USER GUIDE | OCTOBER 2019

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#### 1. Introduction

The Metabolic and Bariatric Surgery Accreditation and Quality Improvement Program (MBSAQIP®) is pleased to introduce the 2018 Participant Use Data File (PUF) – including cases with operation dates between January 1, 2018 and December 31, 2018. The PUF is a Health Insurance Portability and Accountability Act (HIPAA)-compliant data file containing cases submitted to the MBSAQIP Registry. The PUF contains patient-level data and does not identify hospitals, health care providers, or patients. The intended purpose of these files is to provide researchers at participating centers with a data resource they can use to investigate and advance the quality of care delivered to the metabolic and bariatric surgical patient through the analysis of cases captured by MBSAQIP. The PUF is provided at no additional cost to employees (surgeons, researchers, bariatric program staff, etc.) of MBSAQIP participant centers. With over 200,000 metabolic and bariatric cases captured each year, the MBSAQIP PUF is the largest, bariatric-specific, clinical dataset in the country and serves as an invaluable resource to investigators looking to answer important clinical questions in this field. It is part of the mission of the MBSAQIP to make this data available to all participants to improve the power and reliability of clinical research and further propel innovation in the field of metabolic and bariatric surgery.

This guide is designed to accompany the 2018 Participant Use Data File available for download via the MBSAQIP website (<a href="https://www.facs.org/quality-programs/mbsaqip/participant-use">https://www.facs.org/quality-programs/mbsaqip/participant-use</a>). The sections contained herein will provide the user with information on how to request the PUF, contents of the data files, data collection background, data limitations, and answers to frequently asked questions.

This user guide applies specifically to the 2018 PUF and will be updated with each subsequent PUF.

#### 2. Data Request Process

An individual who has an official role at an actively enrolled MBSAQIP center and wants to obtain a copy of the MBSAQIP PUF can do so by visiting <a href="https://www.facs.org/quality-programs/mbsaqip/participant-use">https://www.facs.org/quality-programs/mbsaqip/participant-use</a> and following the steps listed below:

- 1. From the MBSAQIP main page (<a href="www.facs.org/quality-programs/mbsaqip">www.facs.org/quality-programs/mbsaqip</a>) the requestor can click on the "Participant Use Data File (PUF)" link. This will take you to the PUF information and request page.
- 2. Following a brief introduction and explanation of the PUF, the requestor can click on "Request PUF."
- 3. This will take the requestor to the Data Use Agreement. This is a three page document that implements the data protections of the Health Insurance Portability and Accountability Act of 1996 (HIPAA) and the MBSAQIP Participation Agreement. Delivery of the PUF is contingent on agreement to the terms and conditions specified within the Data Use Agreement. The Data Use Agreement can be read from this page or

- the three-page document can be downloaded. 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.
- 4. Requestors will then be required to complete a brief online form to provide ACS with basic information about themselves, including the participating center in which they are currently employed and in what capacity, as well as how the requestor plans to utilize the PUF data. Once all of the required fields are completed, the requestor clicks "Submit."
- 5. Upon approval 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 user's internet 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

The PUF consists of five distinct datasets which are referred to as main, reoperation, readmission, intervention, and BMI, respectively. Each dataset is available in one of three different formats - Text, SAS, and SPSS. The main dataset is a flat file containing preoperative, intraoperative, and postoperative patient and procedure characteristics for all metabolic and bariatric surgical cases that were eligible for the PUF in 2018. The reoperation, readmission, intervention, and BMI datasets are available in long form (i.e., multiple rows per case), and contain detailed information on readmissions, reoperations, interventions, and post-operative BMI measurements, respectively, associated with cases in the main dataset. All five datasets contain a unique key matching variable, CASEID, which allows users to merge datasets as necessary.

Postoperative BMI measurements recorded in the BMI dataset were taken in the 30-day follow-up time period, which runs from 0 to 30 days from the date of the index procedure. All postoperative events or outcomes (e.g., death, sepsis, reoperation, readmission, intervention, postop BMI, etc.) recorded in the main, reoperation, readmission, and intervention datasets are 30-day outcomes (i.e., occurred within 30 days of the index procedure).

The main dataset contains three variables (REOP30, READ30, and INTV30) derived from the reoperation, readmission, and intervention datasets, respectively. These variables represent whether at least one reoperation, readmission, or intervention occurred, respectively, *for any reason*, within 30 days of the index procedure. Investigators interested in other facets of reoperation, readmission, or intervention will need to manipulate the long datasets and merge them with the main dataset in a manner which is appropriate to the specified research question. For example, suppose a researcher is interested in estimating the overall 30-day *related* reoperation rate for metabolic and bariatric surgical procedures. The specific research question is: "What is the 30-day related reoperation rate for all cases included in the main dataset?" To

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answer this question, the researcher could use the variable REOP\_RELATED\_BAR in the reoperation dataset to identify and create a flat file of cases where at least one 30-day reoperation was recorded as most likely related to the index procedure. This flat file would then be merged (using the unique key matching variable CASEID) with the main dataset to construct a variable, say RELATED\_REOP30, taking values of either "Yes" or "No" to indicate whether at least one related 30-day reoperation occurred for each case in the main dataset. The 30-day related reoperation rate for all metabolic and bariatric surgical procedures could then be estimated by calculating the proportion of cases in the main dataset where RELATED\_REOP30 = "Yes."

Using the CASEID variable, other readmission, reoperation, intervention, or BMI-specific variables, or combinations thereof, can be merged to the main PUF dataset. A variable-by-variable description for each dataset is provided in the PUF User Guide Table in Section 9 of this document. A brief description of each dataset follows:

Dataset	File Types Available	Uncompressed File Size	Description
MBSAQIP_PUF_Main	SAS, SPSS, TXT	SAS: 310 MB SPSS: 302 MB TXT: 128 MB	Contains 173 HIPAA compliant variables on 204,837 cases submitted from 854 centers in 2018. Each row represents one case and there is exactly one row per case.
MBSAQIP_PUF_Read	SAS, SPSS, TXT	SAS: 1.6 MB SPSS: 1.5 MB TXT: 674 KB	Contains 9 HIPAA compliant variables on 8,940 readmissions. Each row represents a 30-day readmission associated with some case from the Main file. Multiple rows per case are possible in this file.
MBSAQIP_PUF_Reop	SAS, SPSS, TXT	SAS: 960 KB SPSS: 1.0 MB TXT: 370 KB	Contains 15 HIPAA compliant variables on 3,755 reoperations. Each row represents a 30-day reoperation associated with some case from the Main file. Multiple rows per case are possible in this file.
MBSAQIP_PUF_Intv	SAS, SPSS, TXT	SAS: 1.0 MB SPSS: 989 KB TXT: 316 KB	Contains 9 HIPAA compliant variables on 3,320 interventions. Each row represents a 30-day intervention associated with some case from the Main file. Multiple rows per case are possible in this file.
MBSAQIP_PUF_BMI	SAS, SPSS, TXT	SAS: 24.4 MB SPSS: 25.9 MB TXT: 13.2 MB	Contains 13 HIPAA compliant variables on 221,538 BMI measurements. Each row represents a BMI measurement from the 30-day follow-up time period associated with some case from the Main file. Multiple rows per case are possible in this file.

#### 4. Data Collection Background and Data Quality

MBSAQIP collects data on over 200 variables including preoperative risk factors, intraoperative variables, and 30-day postoperative mortality and morbidity outcomes for patients undergoing metabolic and bariatric surgical procedures in both the inpatient and outpatient setting.

Required data elements are entered via a web-based data collection tool. 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 Metabolic and Bariatric Surgical Clinical Reviewers (MBSCRs), at their hospital for detailed information on how the hospital collects its MBSAQIP data.

To ensure the data collected are of the highest quality, the MBSAQIP has developed a host of different training mechanisms for the MBSCRs and conducts a data integrity audit of selected participating centers. The MBSAQIP requires MBSCRs to complete a series of web-based training modules followed by an annual certification exam. 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 the availability of MBSAQIP Clinical Support Registered Nurse (RN) Specialists who are available to MBSCRs on an ongoing basis for one-on-one data abstraction support and web-based training. The Clinical Support staff makes available a host of written educational resources available through the MBSAQIP Resource Portal through a support system designed to ensure MBSCRs have the knowledge and resources available to collect high-quality data.

The data integrity audit is a fundamental tool of the MBSAQIP to assess the quality of the data collected at participating centers. 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.

MBSAQIP has determined that a data integrity audit disagreement rate of 5% or less is acceptable. Centers that have higher than a 5% disagreement rate are not included in the MBSAQIP Semiannual Report and may be required to undergo an additional audit following training and education recommendations from the MBSAQIP.

#### 5. Participation and Case Exclusion Criteria

#### **Case Collection Process**

All metabolic and bariatric surgical procedures and interventions, including those performed by non-metabolic and bariatric surgery credentialed general surgeons or other physician practitioners (i.e. gastroenterologists), must be entered into the MBSAQIP Registry. Documentation of each hospitalization and surgical procedure is required to obtain valid outcomes data. Data collection is ultimately the responsibility of the Metabolic and Bariatric Surgery (MBS) Director working collaboratively with the Metabolic and Bariatric Surgical Clinical Reviewers (MBSCR), the physician offices, and institutional departments to ensure accurate short and long-term results. Data is collected at 30 days, six months, one year, and annually thereafter.

#### **Case Exclusion Criteria**

The following exclusion criteria were applied to cases collected in 2018. For the current inclusion/exclusion criteria, please contact the MBSAQIP Clinical Support Team at clinicalsupport@mbsaqip.org.

Procedures which would not meet metabolic or bariatric inclusion criteria:

- Cancer cases: Any patient who is admitted to the hospital and has an included procedure to address cancer.
- Trauma cases: Any patient who is admitted to the hospital and has an included procedure to address a traumatic injury.
- Patient is under 10 years of age.
- Multiple MBSAQIP assessed cases within 30 days: Any patient who had an MBSAQIP assessed procedure entered within the previous 30 days at the center, the additional metabolic or bariatric procedure performed within 30 days is only entered as a reoperation or intervention. Only one MBSAQIP procedure can be entered into the data registry per patient, per 30 days, for a center.

#### **Hospital Exclusion Criteria**

In addition to the case inclusion/exclusion criteria, center inclusion/exclusion criteria are also imposed. To maintain the highest level of data quality, only cases that are eligible for the MBSAQIP Semiannual Report (SAR) 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 center's cases are not SAR-eligible and therefore may be excluded from the PUF if the center meets any of the following criteria:

- 30-day follow-up rate is under 80% for the SAR timeframe
- Data Integrity Audit disagreement rate is over 5%
- The MBSCR(s) at the center does not successfully complete the annual MBSCR Certification Exam
- The center is found not to be in compliance with MBSAQIP Standard 6, "Data Collection"

#### 6. 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). The following items represent the most salient limitations of the data:

- While the sex and race distributions are reasonably representative of the national surgery patient population, only patients over the age of 10 are available for assessment, so the age distribution is somewhat truncated. Patients over the age of 80 also have their ages de-identified in the PUF (age is set to missing with an indicator variable included to identify patients over the age of 80).
- 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 are recoded into Days to Discharge from Hospital Admit).
- In order to comply with the Participation Agreement (PA) that is agreed to between the ACS and participating centers, facility identifiers as well as geographic information regarding the case have been removed. The PA stipulates that the ACS does not identify participating centers. Facility 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 centers that are participating in the MBSAQIP and do not represent a statistically valid nationally representative sample.
- Many patients do not receive all possible preoperative laboratory tests, so some of these variables have a high percentage of missing values (10% to 70%, 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.

#### 7. 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 Rasa Krapikas, MS, MBSAQIP Data Registry Manager, at rkrapikas@facs.org.

#### 8. Frequently Asked Questions

#### **Request Process**

#### Q: Who has access to this file?

A: Any individual from an actively participating MBSAQIP center will be given access to the file following completion of the PUF Data Use Agreement and a short set of questions that are available on the website.

#### Q: Is the file available to individuals from nonparticipating centers?

A: At this time the data files are only available to individuals at MBSAQIP participating centers.

#### Q: Is the PUF only available to the MBSAQIP-accredited centers?

A: The only requirement is that centers must be actively participating in the MBSAQIP either as a data collection or accredited center. PUF access is not contingent on accreditation status.

# Q: I am at a participating MBSAQIP center and would like to work on a research project with others from a different center that is <u>not</u> participating. Will I be allowed to do that?

A: No. At this time use of the file is restricted to individuals at participating MBSAQIP centers

#### 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 each file?

A: Each file contains Health Insurance Portability and Accountability Act (HIPAA) deidentified data from centers participating in the MBSAQIP that were eligible for the corresponding SAR period. See the PUF User Guide Table in Section 9 of this document for a list.

#### Q: What procedures (CPTs) are included in the PUF?

A: See Appendix B: Case Inclusion and Follow-up within the MBSAQIP Data Registry Operations Manual for a listing of procedure types. Any primary or revisional case that meets inclusion criteria for creation as a "New Case" is included in the PUF.

#### Q: Are revisional procedures included in the PUF?

A: Yes. All cases that meet inclusion criteria for creation as a "New Case" (see *Appendix B: Case Inclusion and Follow-up within the MBSAQIP Data Registry Operations Manual*) are included in the PUF.

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#### Q: Does the PUF contain long-term (1 year, 2 year, 3 year, etc.) outcomes?

A: At this time the 2018 PUF only contains 30-day outcomes.

#### Q: How is the PUF different from the SAR?

A: The Main PUF is a raw, flat file of HIPAA-compliant variables captured within the data registry. The data has been cleaned (e.g., removal of invalid dates, truncation of variable bounds, etc.), but no analysis (e.g., risk adjustment, quality assessments, etc.) has been performed.

#### Q: Can we publish data from the PUF?

A: Yes. Please see the terms of the PUF Data Use Agreement within the PUF request portal.

#### Q: Can we publish data from the PUF individually or collaboratively?

A: Pursuant to the MBSAQIP PUF Data Use Agreement, centers will not grant access to or share the PUF either in its entirety or as a subset to any party who is not an employee of the participating center at which the Data Recipient is employed, and centers will not sublease or permit other parties to use the PUF without advance written approval of the ACS MBSAQIP.

#### Q: Are other MBSAQIP PUF data sets available?

A: Yes, the 2015 PUF was the first MBSAQIP PUF available. Subsequent PUFs have been released on a yearly basis.

#### Q: Are center identifiers included in the database?

A: At this time we do not provide any geographic or center-specific identification. We took this approach to ensure the privacy of both the participating MBSAQIP centers 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 centers and surgeons.

#### 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 year of operation) for dates directly related to an individual.

## Q: I am the MBS Director from a center that has records in the PUF and would like to know which specific records are ours.

A: At this time we do not provide center identification of any cases in the PUF, even self-identification.

#### Values in the Data

#### Why is age missing for 85 records in the main dataset?

- A: Records will have a missing value for age if the calculated age of the patient was less than 10 years or greater than 80 years.
- Q: Why are some records in the main dataset missing a pre-op BMI measurement?
- A: Records will have a missing pre-op BMI measurement (either closest to surgery or highest recorded within one year prior to the surgery) if the pre-op BMI was unknown or the calculated pre-op BMI was less than 15 or greater than 150.
- Q: Some of the duration variables (e.g., Days from Operation Date to Readmission, Days from Operation Date to Reoperation, etc.) have unknown durations. Why is that?
- A: Records will have unknown durations for duration variables if an unknown or invalid date was entered which inhibited the calculation of duration. The duration (i.e., number of days) will be missing for such records.
- Q: Some of the required variables have missing values. Why is that?
- A: In the processing of large amounts of data, a small percentage of descriptions or data fields are inadvertently removed through either software glitches, automated uploader issues, or data entry errors. The program continues to improve the data collection software to minimize the potential for such issues and errors.

#### **File Formats**

- Q: In what file formats are the data available?
- A: The datasets are made available as tab delimited TXT files, SPSS data files, or SAS data files. Please note that SAS or SPSS files require special software. You can run the Text file, then save, and convert to an Excel File.
- Q: Do you provide training on how to use these file formats?
- A: MBSAQIP does not provide training, instruction, or guidance in the use of statistical analysis software.

#### General

- Q: As an MBSAQIP Accredited Center, do we have any obligation to request or use the PUF?
- A: No. The PUF is solely a benefit of participation for centers who are interested in using the data for research purposes. There are no PUF requirements related to your center's MBSAQIP Accreditation status.

#### 9. PUF User Guide Table

The PUF User Guide Table provides a variable-by-variable description for each of the five datasets available in the PUF. This table contains a column titled "Page Number in Variables and Definitions." To provide investigators with ready access to complete and authoritative variable definitions, the "Page Number in Variables and Definitions" column contains the page number that will locate the complete definition in the MBSAQIP PUF Variables and Definitions Manual.

The MBSAQIP PUF Variables and Definitions Manual is derived directly from Chapter 4 of the MBSAQIP Operations Manual - the authoritative variable definition reference manual used by the Metabolic and Bariatric Surgical Clinical Reviewers (MBSCRs). Please be aware that these definitions are year specific, though dramatic changes are rare. Investigators receiving the PUF will have the opportunity to download the PUF Variables and Definitions Manual corresponding to the specific PUF year.

The PUF User Guide Table also contains a column titled "Search Term in Variables and Definitions." As an alternative to searching for variable definitions by page number in the *PUF Variables and Definitions Manual*, users can copy the entire text within an individual cell from the "Search Term in Variables and Definitions" column in the PUF User Guide Table, and paste it into a search field (you can create a search field by simultaneously hitting Ctrl and F on your keyboard) in the *PUF Variables and Definitions Manual*. 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. Appropriate definitions are provided in the "Search Term in Variables and Definitions" column for those variables that are constructed specifically for the PUF and do not exist in Chapter 4 of the MBSAQIP Operations Manual.

The *PUF Variables and Definitions Manual* will be made available to you for download with the rest of your requested PUF files. Data Use Agreements apply to the use and distribution of the *PUF Variables and Definitions Manual*, as well as all PUF datasets

Variable added in 2016

Wariable added in 2017

Notable Data Updates

	Variable added in 2017						
Position #	Variable Name	Data Type	Variable Label	Search Term in Variables and Definitions	Page Number in Variables and Definitions	Variable Options	Comments
	CASEID	Num	Case Identification Number	Each case or record in the database has a unique CaseID number.			
	SEX	Char	Sex	Variable Name: Gender	2	Male; Female	
	AGE		Age	Variable Name: Date of Birth	1	-	Values capped between 10 and 80
	ageGT80	Char	Age Greater Than 80 Years	Indicator for patients with recorded age greater than 80	1	Yes; No	
	RACE_PUF	Char	Race	Variable Name: Race	3	White	
						Black or African American	
						American Indian or Alaska Native	
						Native Hawaiian or Other Pacific Islander	
						Asian	
						Unknown	
	HISPANIC		Hispanic Ethnicity	Variable Name: Hispanic Ethnicity	4	Yes; No; Unknown	
	CPT	Char	CPT principal operative procedure	Variable Name: CPT® (Current Procedural Terminology) Code for the Principal Operative Procedure	5		
	CPTUNLISTED_REVCONV	Num	Revision/Conversion Flag	Variable Name: Revision/Conversion Principal Operative Procedure	7	0 = No; 1 = Yes	
	CPTUNLISTED_GASBYPASS	Num	Miniloop Gastric Bypass Flag	Variable Name: Mini-Loop Gastric Bypass (MGB) Principal Operative Procedure	8	0 = No; 1 = Yes	
	CPTUNLISTED_GASPLICATION	Num	Gastric Plication Flag	Variable Name: Gastric Plication Principal Operative Procedure	9	0 = No; 1 = Yes	
	CPTUNLISTED_ENDOTHER	Num	Endoscopic Therapy Flag	Variable Name: Endoscopic Therapy Principal Operative Procedure	10	0 = No; 1 = Yes	
	CPTUNLISTED_OTHER	Num	Other Flag	Variable Name: Other Principal Operative Procedure	13	0 = No; 1 = Yes	
	CPTUNLISTED_BALLOON	Num	Intragastric Balloon Flag	Variable Name: Intragastric Balloon	11	0 = No; 1 = Yes	
	CPTUNLISTED_140101	Char	CPT when Principal CPT entered is unlisted (43659 or 43999)	Variable Name: CPT® (Current Procedural Terminology) Code for Revisions/Other Reasons	14		
	CPTUNLISTED_VBTHERAPY	Char	Vagal Blocking Therapy Flag	Variable Name: Vagal Blocking Therapy (VBLOC™ Therapy)	12	Yes; No	1
	STAPLING_PROC	Char	Stapling Procedure	Variable Name: Is this a Stapling Procedure? (Bariatric Stapling Procedures)	61	Yes; No	<u> </u>
	GERD MOBILITY_DEVICE	Char	Pre-Op GERD requiring medication  Patient's ambulation limited most or all of	Variable Name: Gastroesophageal Reflux Disease (GERD) Requiring Medication (within 30 days prior to surgery)  Variable Name: Preoperative Is the Patient's Ambulation Limited Most or all of the Time	27	Yes; No Yes; No	
•			the time pre-op				
	MI_ALL_HISTORY	Char	History of MI	Variable Name: History of Myocardial Infarction	29	Yes; No	
	PTC	Char	Previous PCI/PTCA	Variable Name: Previous PCI/PTCA	30	Yes; No	
	PCARD	Char	Previous Cardiac Surgery	Variable Name: Previous Cardiac Surgery	31	Yes; No	
	HIP	Char	Pre-Op Hypertension requiring medication	Variable Name: Preoperative Hypertension Requiring Medication	32	Yes; No	
	HTN_MEDS	Char	Number of Hypertensive Medications	Variable Name: Preoperative Number of Anti-Hypertensive Medications	33	0	Per Data Update (October 2017):
						1	
						<u>2</u> 3+	A problem with reported values for the variable HTN_MEDS was identified in the 2015 PUF. For this variable, the majority of values equal to zero were inadvertently set to erroneous values of three. It is for this reason that HTN_MEDS should not be consider accurate for the 2015 PUF. Note this issue has beer resolved for the 2016 and subsequent PUFs.
1	HYPERLIPIDEMIA	Char	Pre-Op Hyperlipidemia	Variable Name: Preoperative Hyperlipidemia Requiring Medication	34	Yes; No	
i	HGT	Num	Height	Variable Name: Preoperative Height	17		
	HGTUNIT	Char	Height Unit	Height Measurement Units	17	cm	
						in	
	WGT_HIGH_BAR	Num	Highest pre-op weight recorded	Variable Name: Highest Recorded Weight within 1 year at the Program	18		
	WGT_HIGH_UNIT_BAR	Char	Highest pre-op weight recorded unit	Highest Pre-op Weight Measurement Units	18	kg Ibs	
	WGT_CLOSEST	Num	Pre-Op Weight closest to bariatric surgery	Variable Name: Weight Closest to Surgery	19		
	WGTUNIT_CLOSEST	Char	Pre-op Weight closest to bariatric surgery unit	Closest to Surgery Pre-op Weight Measurement Units	19	kg lbs	-
	BMI	Num	Pre-op BMI closest to bariatric surgery	Calculated from pre-op weight closest to surgery and height	19		Values capped between 15 and 150
	BMI_HIGH_BAR	Num	Highest Recorded Pre-op BMI	Calculated from highest recorded pre-op weight and height	18		Values capped between 15 and 150
	HISTORY_DVT	Char	Pre-Op Vein Thrombosis Requiring Therapy	Variable Name: Preoperative Vein Thrombosis Requiring Therapy	35	Yes; No	
	VENOUS_STASIS	Char	Pre-Op Venous Stasis	Variable Name: Preoperative Venous Stasis	36	Yes; No	
	DIALYSIS	Char	Pre-Op Requiring or on dialysis	Variable Name: Preoperative Currently Requiring or On Dialysis	38	Yes; No	
	RENAL_INSUFFICIENCY THERAPEUTIC_ANTICOAGULATIO	Char Char	Pre-Op Renal Insufficiency Pre-Op Therapeutic Anticoagulation	Variable Name: Preoperative Renal Insufficiency Variable Name: Preoperative Therapeutic Anticoagulation	39 41	Yes; No Yes; No	
	N				1		
3	PREVIOUS_SURGERY	Char	Previous Obesity surgery/foregut surgery	Variable Name: Previous Obesity Surgery/Foregut Surgery	42	Yes; No	
)	DIABETES	Char	Pre-Op Diabetes Mellitus	Variable Name: Preoperative Diabetes Mellitus Requiring Therapy with Non-Insulin Agents or Insulin	20	Non-Insulin Insulin	
						No	
	SMOKER	Char	Current Smoker within 1 year	Variable Name: Current Smoker within One Year	21	Yes; No	
	FUNSTATPRESURG	Char	Pre-Op Functional Health Status	Variable Name: Preoperative Functional Health Status	22	Independent	
				1	1	Dortielly Dependent	1
						Partially Dependent	
1						Totally Dependent Unknown	

Position #	Variable Name	Data Type	Variable Label	Search Term in Variables and Definitions	Page Number in Variables and Definitions	Variable Options	Comments
42	COPD	Char	Pre-Op history of COPD	Variable Name: History of Severe COPD	23	Yes; No	
43	OXYGEN_DEPENDENT		Pre-Op Oxygen Dependent	Variable Name: Preoperative Oxygen Dependent	24	Yes: No	
44	HISTORY_PE		History of PE	Variable Name: History of Pulmonary Embolism	25	Yes: No	
45	SLEEP_APNEA	Char	Pre-Op Obstructive Sleep Apnea	Variable Name: Preoperative Obstructive Sleep Apnea Requiring CPAP/BiPAP (or similar technology)	26	Yes; No	
46	CHRONIC_STEROIDS	Char	Pre-Op Steroid/Immunosuppressant Use for Chronic Condition	Variable Name: Preoperative Steroid/Immunosuppressant Use for a Chronic Condition	40	Yes; No	
47	PREV_ORGTRANS	Char	Previous Organ Transplant	Variable Name: Previous Organ Transplant	43	Yes; No	
48	IVC_FILTER	Char	Pre-Op IVC Filter	Variable Name: Preoperative Does the patient have an IVC filter	37	Yes; No	
49	IVC_TIMING	Char	Pre-Op IVC Filter Timing	IVC Filter Timing	37	IVC filter placed in anticipation of the metabolic or	If IVC_FILTER = "No" then this variable will be
						bariatric procedure	missing
						IVC filter was preexisting	
		ļ.,				Unknown	
50	ALBUMIN		Pre-op Albumin Lab Value	Variable Name: Preoperative Lab Value Information	46 46		Values capped between 1 and 10
51	DPRALBUM	Num	Days from Albumin Pre-Op Labs to Operation	Days from pre-operative Albumin to initial bariatric surgery operation date			Values capped between 0 and 90
52	HCT	Num	Pre-op Hematocrit Lab Value	Variable Name: Preoperative Lab Value Information	46		Values capped between 8 and 60
53	DPRHCT	Num	Days from Hematocrit Pre-Op Labs to Operation	Days from pre-operative Hematocrit to initial bariatric surgery operation date	46		Values capped between 0 and 90
E4	CREATININE	Num	Pre-Op Creatinine Lab Value	Variable Name: Preoperative Lab Value Information	46		Values capped between 0.1 and 15
55	DPRCREAT	Num	Days from Creatinine Pre-Op Labs to	Days from pre-operative Creatinine to initial bariatric surgery operation date	46	<del> </del>	Values capped between 0.1 and 15 Values capped between 0 and 90
55	HEMO		Operation Pre-Op Hemoglobin A1c Value	Variable Name: Preoperative Lab Value Information	46		Values capped between 4 and 20
56 57	DPRHEMO	Num	Days from Hemoglobin A1c Value  Days from Hemoglobin A1c Pre-Op Labs	Days from pre-operative Hemoglobin A1c to initial bariatric surgery operation date	46	+	Values capped between 4 and 20 Values capped between 0 and 90
31	DENTILIVIO	Num	to Operation	Days from pre-operative memogroum ATC to initial barratic surgery operation date	40		values capped between 0 and 90
58	ASSISTANT_TRAINING_LEVEL	Char	First Assist Training Level	Variable Name: First Assistant Principal Operative Procedure	47	None (no assist or scrub tech/RN only) Physician Assistant/Nurse Practitioner/Registered Nurse First Assist Resident (PGY 1-5+)	
						Minimally Invasive Surgery Fellow	
						Attending - Weight Loss Surgeon	
						Attending - Other	
59	PRIORITY	Char	Emergency Case	Variable Name: Emergency Case Principal Operative Procedure	48	Yes; No	
60	SURGICAL_APPROACH	Char	Surgical Approach	Variable Name: Surgical Approach Principal Operative Procedure	50		
00	SOKOIOAE_ALT KOAOIT	Onai	Odrgical Approach	Variable Name. Ourgical Approach i micipal Operative i rocedure	30	N.O.T.E.S. (Natural Orifice Transluminal Endoscopic Surgery)	
						Single Incision  Robotic-assisted Conventional laparoscopic (thoracoscopic) Laparoscopic assisted (thoracoscopic assisted) Hand-assisted	
61	APPROACH_CONVERTED	Char	Procedure converted to another approach	Variable Name: Was the Principal Operative Procedure converted to another approach?	51	Open Yes; No	
62	CONVERSION	Char	If approach was converted, what was the	Variable Name: Was the Principal Operative Procedure converted to another approach?	51	Single Incision	If APPROACH_CONVERTED = "No" then this
			final operative approach			Robotic-assisted	variable will be missing
						Conventional laparoscopic (thoracoscopic) Laparoscopic assisted (thoracoscopic assisted) Hand-assisted	
63	BOUGIE_SIZE	Num	Sleeve Bougie Size	Variable Name: Bougie (or sizing device) size for Gastric Sleeve	55	Open	
64	BOUGIE_SIZE_UNITS	Num	Sleeve Bougle Size Sleeve Bougle Size Units	Bougie Size Measurement Units	55	1 = French	
			2.2.3 Bodgio Oizo Offica		300	2 = cm	
65	PYLORUS_DISTANCE	Num	Sleeve Distance to Pylorus	Variable Name: Distance from the Pylorus (in cm) for Gastric Sleeve	56		
66	STAPLE_LINE_REINFORCEMENT	Char	Sleeve Staple Line Reinforcement	Variable Name: Staple Line Reinforcement for Gastric Sleeve	57	Yes; No	
67	OVERSEW	Char	Sleeve Oversew	Variable Name: Oversew for Gastric Sleeve	58	Yes; No	
68	DRAIN_PLACED	Char	Drain placed at the time of the initial operation	Variable Name: Was a Drain Placed at Time of the Initial Operation	52	Yes; No	
69	SWALLOW_STUDY	Char	Swallow study performed day of or day after procedure	Variable Name: Was a Swallow Study Performed the Day of or the Day After the Procedure	53	Yes, routine Yes, selective No	
70	ANASTOMOSIS_CHECKED	Char	Anastomosis/staple line checked	Variable Name: Was the Anastomosis Checked with a Provocative Test to Assess for a Leak	54	Yes	
	=	1	w/provocative test to assess for leak			No	
		<u></u>	-			N/A	
71	ASACLASS	Char	ASA Class	Variable Name: ASA Classification Principal Operative Procedure	49	ASA 1 - No Disturb	<u> </u>
		1				ASA 2 - Mild Disturb	
						ASA 3 - Severe Disturbance	
						ASA 4 - Life Threatening	
		1				ASA 5 - Moribund	
	OTHORT4	Ob	Other OPT 4	Verlahla Nava Othar Providen	50	None Assigned	
<i>[</i> 2	OTHCPT1		Other CPT 1	Variable Name: Other Procedure	59		
/3	OTHCPT2	Char	Other CPT 2	Variable Name: Other Procedure	4		
14	OTHCPT3 OTHCPT4	Char	Other CPT 3 Other CPT 4	Variable Name: Other Procedure Variable Name: Other Procedure	=	-	
75							
75 76	OTHCPT5		Other CPT 5	Variable Name: Other Procedure	-		

Company   Comp								
Company	Position #	Variable Name		Variable Label	Search Term in Variables and Definitions		Variable Options	Comments
Part			Type					
1.						Definitions		
1.								
1.								
Control   Cont				Other CPT 6	Variable Name: Other Procedure			
10	78	OTHCPT7	Char	Other CPT 7				
Company   Comp			Char	Other CPT 8				
Concentration   Company of P1	80	OTHCPT9	Char	Other CPT 9	Variable Name: Other Procedure			
10   10   10   10   10   10   10   10	01							
1.	82	CONCPT1	Char		Variable Name: Concurrent Procedure	60		
Control of Part		CONCPT2	Char	Concurrent CPT 2	Variable Name: Concurrent Procedure			
Control of Part	84	CONCPT3	Char	Concurrent CPT 3	Variable Name: Concurrent Procedure			
7		CONCPT4	Char					
7	86	CONCPT5	Char	Concurrent CPT 5	Variable Name: Concurrent Procedure	1		
CONCEPT   Concept SPT   Conc								
Compared by Compared PT   Content Processing   Content PT   Content	88		Char					
Control   Cont								
1		CONCPT9		Concurrent CPT 9				
10   1750   Num								
10   1000C1 OF   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000								Values canned between 0 and 30
Control   Application   Control   Application   Control   Contro	32	5101	14GIII	Days to operation from hospital admit	bays to initial bariatic of inclabolic surgery operation date from hospital admission date			values capped between 6 and 56
Control   Application   Control   Application   Control   Contro	02	DTDISCH OB	Nium	Days to discharge from eneration	Dave to becaltal discharge from initial hariatric or metabolic curgons date			Values cannot between 0 and 150
Proceedings   Proceedings   Proceedings   Procedure	93 94					+	<del> </del>	Values capped between 0 and 150
						1	<b> </b>	
OPTION					Days to poet engrative accessment from initial barietie aurean engration date	+	<del> </del>	
PAPER   Supplement   Company   Com	96	DIMOSESS_UP	ivum		Days to post-operative assessment from initial pariatric surgery operation date			values capped between 0 and 30
PACKEPTIFE   Pack   New Yorks   Pack   New Yorks   Pack	07	ODVEAD	Niue		Venu of initial hariatria or matchalia augusta	1		
MASSYRE   One   Accessment Type					rear or initial pariatric or metabolic surgery	1		Value and between 4 1 200
Building						1		
SUBSPECUALTY_BAR	99	ANESTYPE	Char	Anesthesia Type	Variable Name: Anesthesia Type	15	Monitored anesthesia care (MAC)/IV Sedation	If CPTUNLISTED_BALLOON = 0 then this variable
Build September   Control of the physion   C				1				will be missing
BURGSPECIALTY_DARK				1				]
SERGISPECIALTY_BARK   Char							Other	
Procedure   Proc							None	
	100	SURGSPECIALTY_BAR	Char	Medical specialty of the physician	Variable Name: Medical Specialist	16	Metabolic and Bariatric Surgeon	
Procedure   Procedure   Processing   Proce		_			·			1
Comparison   Com								1
CTEMENALFALURE   Char   Acute Renal Failure   Number of Production Production Progressive Renal Insufficiency Production Acute Renal Relations   Section Production							Other Healthcare Professional	1
ACTERENLE   Char   Char   Action Reade Failure   Variable Name. Prosponative Progressive Renal mutations of Prosponative Action Renal   Display							Interventional Radiologist	1
Part	101	ACTERENAL FAILURE	Char	Acute Renal Failure	Variable Name: Postonerative Progressive Renal Insufficiency/ Postonerative Acute Renal	80		
ARBIDACRRESTORN   Chart   Project Control Annual Project Project Control Annual Requiring CPR   S		/ OTENERALE / NEOTIC	Oriai	/ todo rtonar r andro			100,110	
MacAdeHoURS   Char   Cimar > 24 Hours   Variable Name Postoperative Corms > 24 Hours   Variable Name Postoperative Corms > 24 Hours   Variable Name Postoperative Orans > 24 Hours   Variable Name   Variab	102	CARDIACARRESTOR	Char	Intra-On or Post-On Cardiac Arrest		85	Vec. No	
COMAZ-BITOURS   Ontar   Comaz - 28 Hours   Variable Name Protoperative Cortan - 284 Hours   Ontar   Comaz - 284 Hours   Variable Name Protoperative Stroke/Cerbral Vascular Accident (CV, A)   64   Vex. No	102	OARDIAOARRESTOTIC	Oriai		variable frame. Intraoperative of Fostoperative dardiad Affect Requiring of R	00	163,140	
CVA	102	COMVANHOLIBS	Char		Variable Name: Postonorative Come > 24 Hours	00	Vac: No	
POSTOPDEEPINCISIONALSS  Num						90		
October   Commence	104	CVA	Cital	Sticke/CVA	variable Name. Intraoperative of Postoperative Stroke/Cerebial Vascular Accident (CVA)	04	165, 140	
October   Commence	10E	DOSTODDEEDINGISIONAL SSI	Nium	Number of Boot On Doon Indicional SSI	Variable Name: Deep Incidenal SSI	ee.		
OSSIPATOS   Onlar   Deep Incisional SS   PATOS   Variable Name: Deep Incisional SS   PATOS   Variable Name: Experiment Pycardial Infarction   66   Yes. No	105	FOSTOF DEEF INCISIONALSSI	Nulli		variable Name. Deep mosional 331	03		
MYCCARDALNRR	400	DOGUDATOO	01		Verleble News Research of the PATON	00	VN-	
Post Top Vent Till ATOR   Number of On Ventillator > 48 hours   Variable Name: Postoperative On Ventilator > 48 hours   Variable Name: On Ventilator > 48		MYOCARDIALINED		Deep incisional SSI PATOS	Variable Name: Deep Incisional SSI - PATOS	06		
Cocurrences	107	WITOCARDIALINFR	Chai	intra-op or Post-op Myocardiai miarction	variable Name. Intraoperative or Postoperative Myocardial Intarction	00	res, No	
Cocurrences		DOCTOR (FLITH ATOR			V	=-		
VENTPATOS	108	POSTOPVENTILATOR	Num		Variable Name: Postoperative On Ventilator > 48 Hours	78		
POSTOPORGANSPACESSI		VENTENTOO	01		NATIONAL PARTIES		V 1	
Occurrences							Yes; No	
11	110	PUSTOPURGANSPACESSI	Num	Number of Post-Op Organ/Space SSI	variable Name: Organ/Space SSI	0/		
POSTOPPNEUMONIA Num Number of Post-Op Pneumonia Occurrences Variable Name: Postoperative Pneumonia 5 (2) Pneumonia PATOS (3) Pneumonia PATOS (4) Pneumonia PATOS (4) Pneumonia PATOS (5) P		000004700	01		L		<u> </u>	
13						69	Yes; No	1
PARPATOS	112	POSTOPPNEUMONIA	Num		Variable Name: Postoperative Pneumonia	71		
PREIFIRATIVIN Char Peripheral Nerve Injury Variable Name: Postoperative Peripheral Nerve Injury 99 Vest. No Progressive Renal Insufficiency Postoperative Acute Renal Postoperative Acute Renal Palure Requiring Dialysis Failure Requiring Dialysis PULMONARYEMBOLSM Char Pulmonary Embolism Variable Name: Postoperative Postoperative Postoperative Acute Renal Requiring Dialysis Failure Requiring Dialysis Pulmonary Embolism Variable Name: Postoperative Pulmonary Embolism 77 Vest. No Pulmonary Embolism Variable Name: Postoperative Sepsis 92 Vest. No Postoperative Sepsis PATOS Variable Name: Postoperative Sepsis 92 Vest. No Postoperative Sepsis PATOS Variable Name: Postoperative Sepsis PATOS 95 Vest. No Postoperative Sepsis PATOS Variable Name: Postoperative Sepsis PATOS 95 Vest. No Postoperative Sepsis PATOS Variable Name: Postoperative Sepsis PATOS 95 Vest. No Postoperative Sepsis PATOS Postoperative Sepsis PATOS 95 Vest. No Postoperative Sepsis PATOS Postoperative Sepsis PATOS 95 Vest. No Postoperative Diagnosis Requiring Patos Postoperative Unplanned Intubation 95 Vest. No Postoperative Ve						1		
PROGRSRENALINSUF Char Progressive Renal Insufficiency Faiture Repair Progressive Renal Insufficiency/ Postoperative Acute Renal 80 Yes; No 158 PULMONARYEMBOLISM Char Pulmonary Embolism Variable Name: Postoperative Pulmonary Embolism 77 Yes; No 157 Post-Op Sepsis Cocurrences Variable Name: Postoperative Sepsis 92 Variable Name: Postoperative Sepsis 93 Variable Name: Postoperative Sepsis 94 Variable Name: Postoperative Sepsis 95 Ves; No								
Failure Requiring Dialysis PULMONARYEMBOLSM Char Pulmonary Embolism Variable Name: Postoperative Sepsis 77 Yes; No 17 POSTOPSEPSIS Num Number of Post-Op Sepsis Occurrences Variable Name: Postoperative Sepsis 92 Yes; No 18 SEPSISPATOS Char Sepsis PATOS POSTOPSEPTICSHOCK Num Number of Post-Op Septic Shock Occurrences Variable Name: Sepsis PATOS SEPSHOCKPATOS Occurrences Variable Name: Postoperative Septic Shock Occurrences Variable Name: Septic Shock PATOS Variable Name: Septic Shock PATOS Variable Name: Septicial Incisional SSI 62 SSISIPATOS Char Supericial Incisional SSI PATOS Variable Name: Supericial Incisional SSI 62 SSISIPATOS Variable Name: Septicial Incisional SSI 62 Variable Name: Septicial Incisional SSI PATOS Variable Name: Supericial Incisional SSI PATOS Variable Name: Supericial Incisional SSI PATOS Variable Name: Supericial Incisional SSI PATOS Variable Name: Transfusion Intra/Postop (RBC within the First 72 Hrs of Surgery Start Time) Values capped between 1 and 20. If TRANSFINTOPPSTOP  Values capped between 1 and 20. If TRANSFINTOPPSTOP = "No" then this variable we missing  Values capped between 1 and 20. If TRANSFINTOPPSTOP = "No" then this variable we missing  Values capped between 1 and 20. If TRANSFINTOPPSTOP = "No" then this variable we missing  Values capped between 1 and 20. If TRANSFINTOPPSTOP = "No" then this variable we missing  Values capped between 1 and 20. If TRANSFINTOPPSTOP = "No" then this variable we missing  Values capped between 1 and 20. If TRANSFINTOPPSTOP = "No" then this variable we missing  Values capped between 1 and 20. If TRANSFINTOPPSTOP = "No" then this variable we missing  Values capped between 1 and 20. If TRANSFINTOPPSTOP = "No" then this variable we missing  Values capped between 1 and 20. If TRANSFINTOPPSTOP = "No" then this variable we missing  Values								
Failure Requiring Dialysis PULMONARYEMBOLSM Char Pulmonary Embolism Variable Name: Postoperative Sepsis 77 Yes; No 17 POSTOPSEPSIS Num Number of Post-Op Sepsis Occurrences Variable Name: Postoperative Sepsis 92 Yes; No 18 SEPSISPATOS Char Sepsis PATOS POSTOPSEPTICSHOCK Num Number of Post-Op Septic Shock Occurrences Variable Name: Sepsis PATOS SEPSHOCKPATOS Occurrences Variable Name: Postoperative Septic Shock Occurrences Variable Name: Septic Shock PATOS Variable Name: Septic Shock PATOS Variable Name: Septicial Incisional SSI 62 SSISIPATOS Char Supericial Incisional SSI PATOS Variable Name: Supericial Incisional SSI 62 SSISIPATOS Variable Name: Septicial Incisional SSI 62 Variable Name: Septicial Incisional SSI PATOS Variable Name: Supericial Incisional SSI PATOS Variable Name: Supericial Incisional SSI PATOS Variable Name: Supericial Incisional SSI PATOS Variable Name: Transfusion Intra/Postop (RBC within the First 72 Hrs of Surgery Start Time) Values capped between 1 and 20. If TRANSFINTOPPSTOP  Values capped between 1 and 20. If TRANSFINTOPPSTOP = "No" then this variable we missing  Values capped between 1 and 20. If TRANSFINTOPPSTOP = "No" then this variable we missing  Values capped between 1 and 20. If TRANSFINTOPPSTOP = "No" then this variable we missing  Values capped between 1 and 20. If TRANSFINTOPPSTOP = "No" then this variable we missing  Values capped between 1 and 20. If TRANSFINTOPPSTOP = "No" then this variable we missing  Values capped between 1 and 20. If TRANSFINTOPPSTOP = "No" then this variable we missing  Values capped between 1 and 20. If TRANSFINTOPPSTOP = "No" then this variable we missing  Values capped between 1 and 20. If TRANSFINTOPPSTOP = "No" then this variable we missing  Values capped between 1 and 20. If TRANSFINTOPPSTOP = "No" then this variable we missing  Values	115	PROGRSRENALINSUF	Char	Progressive Renal Insufficiency	Variable Name: Postoperative Progressive Renal Insufficiency/ Postoperative Acute Renal	80	Yes; No	
17 POSTOPSEPSIS Num Number of Post-Op Sepsis Occurrences Variable Name: Postoperative Sepsis 92					Failure Requiring Dialysis			
SEPSISPATOS   Char   Sepsis PATOS   Variable Name: Sepsis - PATOS   Sepsis PATOS   Variable Name: Sepsis - PATOS   Sepsis PATOS   Sepsis PATOS   Variable Name: Post-Op Septic Shock   Sepsis PATOS   Sepsis PATOS   Sepsis PATOS   Sepsis PATOS   Variable Name: Septic Shock - PATOS   Sepsis PATOS   Sepsis PATOS   Sepsis PATOS   Variable Name: Septic Shock - PATOS   Sepsis PATOS   Sepsis PATOS   Sepsis PATOS   Sepsis PATOS   Sepsis PATOS   Sepsis PATOS   Variable Name: Septic Shock - PATOS   Sepsis							Yes; No	
POSTOPSEPTICSHOCK Num Number of Post-Op Septic Shock Variable Name: Postoperative Septic Shock Special Number of Post-Op Supericial Incisional Sile PATOS Sile Shock PATOS Sile Shock PATOS Supericial Incisional Sile Sile Shock PATOS Sile Shock PATOS Sile PATOS Sile Shock PATOS S	117	POSTOPSEPSIS	Num	Number of Post-Op Sepsis Occurrences	Variable Name: Postoperative Sepsis	92		
POSTOPSEPTICSHOCK Num Number of Post-Op Septic Shock Variable Name: Postoperative Septic Shock Special Number of Post-Op Supericial Incisional Sile PATOS Sile Shock PATOS Sile Shock PATOS Supericial Incisional Sile Sile Shock PATOS Sile Shock PATOS Sile PATOS Sile Shock PATOS S			<u></u>	1	<u> </u>	1	<u> </u>	<u> </u>
Courrences   Courrences   Char Septis Shock PATOS   Variable Name: Septic Shock - PATOS   Variable Name: Septic Shock - PATOS   Variable Name: Septic Shock - PATOS   Variable Name: Superficial Incisional SSI   SSI   Variable Name: Superficial Incisional SSI   Variable Name: Superficial Incisional SSI   Variable Name: Superficial Incisional SSI   PATOS   Variable Name: Transfusion Intra-Postop (RBC within the First 72 Hrs of Surgery Start Time)   S7   Ves; No   Variable Name: Transfusion Intra-Postop (RBC within the First 72 Hrs of Surgery Start Time)   S7   Ves; No   Variable Name: Transfusion Intra-Postop (RBC within the First 72 Hrs of Surgery Start Time)   S7   Ves; No   Variable Name: Transfusion Intra-Postop (RBC within the First 72 Hrs of Surgery Start Time)   S7   Ves; No   Variable Name: Transfusion Intra-Postop (RBC within the First 72 Hrs of Surgery Start Time)   S7   Ves; No   Variable Name: Intra-Postop (RBC within the First 72 Hrs of Surgery Start Time)   S7   Ves; No   Variable Name: Intra-Postop (RBC within the First 72 Hrs of Surgery Start Time)   S7   Ves; No   Variable Name: Intra-Postop (RBC within the First 72 Hrs of Surgery Start Time)   S7   Ves; No   Variable Name: Intra-Postop (RBC within the First 72 Hrs of Surgery Start Time)   S7   Ves; No   Variable Name: Intra-Postop (RBC within the First 72 Hrs of Surgery Start Time)   S7   Ves; No   Variable Name: Intra-Postop (RBC within the First 72 Hrs of Surgery Start Time)   S7   Ves; No   Variable Name: Intra-Postop (RBC within the First 72 Hrs of Surgery Start Time)   S7   Ves; No   Variable Name: Intra-Postop (RBC within the First 72 Hrs of Surgery Start Time)   S7   Ves; No   Variable Name: Intra-Postop (RBC within the First 72 Hrs of Surgery Start Time)   S7   Ves; No   Variable Name: Intra-Postop (RBC within the First 72 Hrs of Su			Char			95	Yes; No	
Courrences   Courrences   Char Septis Shock PATOS   Variable Name: Septic Shock - PATOS   Variable Name: Septic Shock - PATOS   Variable Name: Septic Shock - PATOS   Variable Name: Superficial Incisional SSI   SSI   Variable Name: Superficial Incisional SSI   Variable Name: Superficial Incisional SSI   Variable Name: Superficial Incisional SSI   PATOS   Variable Name: Transfusion Intra-Postop (RBC within the First 72 Hrs of Surgery Start Time)   S7   Ves; No   Variable Name: Transfusion Intra-Postop (RBC within the First 72 Hrs of Surgery Start Time)   S7   Ves; No   Variable Name: Transfusion Intra-Postop (RBC within the First 72 Hrs of Surgery Start Time)   S7   Ves; No   Variable Name: Transfusion Intra-Postop (RBC within the First 72 Hrs of Surgery Start Time)   S7   Ves; No   Variable Name: Transfusion Intra-Postop (RBC within the First 72 Hrs of Surgery Start Time)   S7   Ves; No   Variable Name: Intra-Postop (RBC within the First 72 Hrs of Surgery Start Time)   S7   Ves; No   Variable Name: Intra-Postop (RBC within the First 72 Hrs of Surgery Start Time)   S7   Ves; No   Variable Name: Intra-Postop (RBC within the First 72 Hrs of Surgery Start Time)   S7   Ves; No   Variable Name: Intra-Postop (RBC within the First 72 Hrs of Surgery Start Time)   S7   Ves; No   Variable Name: Intra-Postop (RBC within the First 72 Hrs of Surgery Start Time)   S7   Ves; No   Variable Name: Intra-Postop (RBC within the First 72 Hrs of Surgery Start Time)   S7   Ves; No   Variable Name: Intra-Postop (RBC within the First 72 Hrs of Surgery Start Time)   S7   Ves; No   Variable Name: Intra-Postop (RBC within the First 72 Hrs of Surgery Start Time)   S7   Ves; No   Variable Name: Intra-Postop (RBC within the First 72 Hrs of Surgery Start Time)   S7   Ves; No   Variable Name: Intra-Postop (RBC within the First 72 Hrs of Su	119	POSTOPSEPTICSHOCK	Num	Number of Post-Op Septic Shock	Variable Name: Postoperative Septic Shock	96		
SSI SI			l		·			
SSI SI			Char				Yes; No	
SSI Decurrences SI SSI Occurrences SI SSI SSI SSI SSI SSI SSI SSI SSI SSI	121							
SSIPATOS Char Superficial Incisional SSI PATOS Variable Name: Superficial Incisional SSI – PATOS 4  TRANSFINTOPPSTOP Char Transfusion Intra-op Post-Op (72h of Variable Name: Transfusion Intra-Postop (RBC within the First 72 Hrs of Surgery Start Time) 87 Yes; No  Values capped between 1 and 20. If TRANSFINTOPPSTOP = "No" then this variable was period in the properties of		SSI			· · · · · · · · · · · · · · · · · · ·			
TRANSFINTOPPSTOP Char Transfusion Intra-op/Post-Op (72h of surgery Start time)  Aum Variable Name: Transfusion Intra/Postop (RBC within the First 72 Hrs of Surgery Start Time)  TRANSFINTOPPSTOP (RBC within the First 72 Hrs of Surgery Start Time)  TRANSFINTOPPSTOP (RBC within the First 72 Hrs of Surgery Start Time)  TRANSFINTOPPSTOP = "No" then this variable with be missing  TRANSFINTOPPSTOP = "No" then this variable with be missing  TRANSFINTOPPSTOP = "No" then this variable with be missing  TRANSFINTOPPSTOP = "No" then this variable with be missing  TRANSFINTOPPSTOP = "No" then this variable with be missing  TRANSFINTOPPSTOP = "No" then this variable with be missing  TRANSFINTOPPSTOP = "No" then this variable with be missing  TRANSFINTOPPSTOP = "No" then this variable with be missing  TRANSFINTOPPSTOP = "No" then this variable with be missing  TRANSFINTOPPSTOP = "No" then this variable with be missing  TRANSFINTOPPSTOP = "No" then this variable with be missing  TRANSFINTOPPSTOP = "No" then this variable with be missing  TRANSFINTOPPSTOP = "No" then this variable with be missing  TRANSFINTOPPSTOP = "No" then this variable with be missing  TRANSFINTOPPSTOP = "No" then this variable with the first 72 Hrs of Surgery Start Time)  TRANSFINTOPPSTOP = "No" then this variable with the first 72 Hrs of Surgery Start Time)  TRANSFINTOPPSTOP = "No" then this variable with the first 72 Hrs of Surgery Start Time)  TRANSFINTOPPSTOP = "No" then this variable with the first 72 Hrs of Surgery Start Time)  TRANSFINTOPPSTOP = "No" then this variable with the first 72 Hrs of Surgery Start Time)  TRANSFINTOPPSTOP = "No" then this variable with the first 72 Hrs of Surgery Start Time)  TRANSFINTOPPSTOP = "No" then this variable with the first 72 Hrs of Surgery Start Time)  TRANSFINTOPPSTOP = "No" then this variable with the first 72 Hrs of Surgery Start Time)  TRANSFINTOPSTOP = "No" then this variable with the first 72 Hrs of Surgery Start Time)  TRANSFINTOPSTOP = "No" then this variable with the first 72 Hrs of Surgery Start Time)  T	122	SSSIPATOS	Char		Variable Name: Superficial Incisional SSI – PATOS	64	Yes; No	
surgery start time)  24 BLEEDING_UNITS  Num  Number of Units transfused (1-200)  Variable Name: Transfusion Intra/Postop (RBC within the First 72 Hrs of Surgery Start Time)  25 UNPLINTUBATION  Char  Unplanned Intubation  Variable Name: Intraoperative OR Postoperative Unplanned Intubation  75 Yes; No  26 POSTOPUTI  Num  Number of Post-Op Urinary Tract Infection PATOS  Variable Name: Postoperative Urinary Tract Infection  27 UTIPATOS  Char  Ufinary Tract Infection PATOS  Variable Name: UTI – PATOS  Variable Name: Postoperative Vein Thrombosis Requiring Therapy								
SEEDING_UNITS   Num   Number of Units transfused (1-200)   Variable Name: Transfusion Intra/Postop (RBC within the First 72 Hrs of Surgery Start Time)   37	-			surgery start time)	and the second s			
TRANSFINTOPPSTOP = "No" then this variable we be missing  25 UNPLINTUBATION Char Unplanned Intubation Variable Name: Intraoperative OR Postoperative Unplanned Intubation 75 Yes; No  26 POSTOPUTI Num Number of Post-Op Uninary Tract Infection occurrences Intraoperative Uninary Tract Infection Name: Postoperative Uninary Tract Infection Name: UTI – PATOS  27 UTIPATOS Char Uninary Tract Infection PATOS Variable Name: UTI – PATOS 83 Yes; No  28 VEINTHROMBREQTER Char Post-Op Vein Thrombosis Requiring Therapy Name: Postoperative Vein Thrombosis Requiring Thrombosis Requir	124	BLEEDING UNITS	Num	Number of Units transfused (1-200)	Variable Name: Transfusion Intra/Poston (RBC within the First 72 Hrs of Surgery Start Time)	87		Values capped between 1 and 20. If
25 UNPLINTUBATION Char Unplanned Intubation Variable Name: Intraoperative OR Postoperative Unplanned Intubation 75 Yes; No  26 POSTOPUTI Num Number of Post-Op Urinary Tract Variable Name: Postoperative Urinary Tract Infection Courrences Infection Courrences Variable Name: UTI – PATOS 83 Yes; No  27 UTIPATOS Char Uninary Tract Infection PATOS Variable Name: UTI – PATOS 83 Yes; No  28 VEINTHROMBREGTER Char Post-Op Velin Thrombosis Requiring Therapy Variable Name: Postoperative Vein Thrombosis Requiring Therapy 89 Yes; No	124	522251140_014110	. 40111	Tambér of Office translused (1-200)	Tanada Tana. Transidatori initari ostop (NDO Within the Filst /2 Fils of Surgery Stall Hille)	· ·		
25 UNPLINTUBATION   Char   Unplanned Intubation   Variable Name: Intraoperative Unplanned Intubation   75   Yes; No				1				
26 POSTOPUTI Num Number of Post-Op Urinary Tract Variable Name: Postoperative Urinary Tract Infection 27 UTIPATOS Char Urinary Tract Infection PATOS Variable Name: UTI - PATOS 83 Yes; No 28 VEINTHROMBREGTER Char Post-Op Vein Thrombosis Requiring Threapy Variable Name: Postoperative Vein Thrombosis Requiring Threapy 39 Yes; No 49 Yes; No 40 Yes; No 41 Yes; No 41 Yes; No 42 Yes; No 43 Yes; No 44 Yes; No 45 Yes; No 46 Yes; No 47 Yes; No 48 Yes; No 48 Yes; No 48 Yes; No 48 Yes; No 49 Yes; No 49 Yes; No 40	125	LINDLINT IBATION	Cher	Unplanned Intubation	Variable Name: Intraggerative OR Postonerative Unplayed Intubation	75	Vee: No	DG THISSHING
Infection occurrences   Infe						04	165, NO	
27     UTIPATOS     Char     Urinary Tract Infection PATOS     Variable Name: UTI – PATOS     83     Yes; No       28     VEINTHROMBREQTER     Char     Post-Op Velin Thrombosis Requiring Therapy     Variable Name: Postoperative Vein Thrombosis Requiring Therapy     89     Yes; No	126	PUSTUPUTI	ivum		variable Name: Postoperative Urinary Tract Infection	01		
28 VEINTHROMBREQTER Char Post-Op Vein Thrombosis Requiring Variable Name: Postoperative Vein Thrombosis Requiring Therapy 89 Yes; No		LITIDATOO	Ob.		Verdeble News (UTL DATO)	00	VN-	ļ
Therapy								
1 Inerapy Iner	128	VEINTHROMBREQTER	Char		Variable Name: Postoperative Vein Thrombosis Requiring Therapy	89	Yes; No	
29   WOUNDUISKUPTION   Char   Wound Disruption   Variable Name: Wound Disruption   70   Yes; No		WOUND ION ION	01		L		<u> </u>	
				Involund Digruption	Lyariable Name: Wound Disruption	1/0	IYes: No	1

	Variable Name	Data	Variable Label	Search Term in Variables and Definitions	Page Number in	Variable Options	Comments
		Туре			Variables and		
					Definitions		
130 L	UNPLANNEDADMISSIONICU30	Char	Unplanned Admission to ICU within 30	Variable Name: Postoperative Unplanned Admission to ICU within 30 Days	100	Yes: No	
30	ON EANNEDADINIOGIONIOGGO	Onai	days	Variable Name. I ostoperative oripianned Admission to 100 within 50 Days	100	163, 140	
	CDIFF	Char	Clostridium difficile (C. diff) Colitis	Variable Name: Postoperative Clostridium difficile (C.diff) Colitis	90	Yes; No	
132	CDIFF_TSTTYPE	Char	Type of C. diff Test performed	Variable Name: Postoperative Clostridium difficile (C.diff) Colitis	90	Toxin	If CDIFF = "No" then this variable will be missing
						DNA Other-C. diff	
						Unknown	
						None	
133 C	CDIFF_TSTRSLT	Char	Result of C. diff Test	Variable Name: Postoperative Clostridium difficile (C.diff) Colitis	90	Positive; Negative	If CDIFF = "No" then this variable will be missing
134 C	CDIFF_TRTMT	Char	Was the patient given treatment for C.	Variable Name: Postoperative Clostridium difficile (C.diff) Colitis	90	Yes; No	If CDIFF = "No" then this variable will be missing
135 C	CDIFF_DIA	Char	diff? Did the patient have diarrhea/loose	Variable Name: Postoperative Clostridium difficile (C.diff) Colitis	90	Yes; No	If CDIFF = "No" then this variable will be missing
135	CDIFF_DIA	Char	stools?	variable Name. Postoperative Clostindium difficile (C.diff) Collids	90	res, No	II CDIFF = NO then this variable will be missing
136	DEHYD_TRTMT_OUT	Char	Did the patient receive treatment for	Variable Name: Did the Patient Receive Treatment for Dehydration (Nausea and Vomiting,	106	Yes; No	
			dehydration (nausea and vomiting, fluid,	Fluid, Electrolyte, or Nutritional Depletion) as an Outpatient?			
			electrolyte, or nutritional depletion) as an				
107	DELIVE MUM TOTATO	Num	outpatient?	Verlahla Name Diddha Datlant Danaha Taratarant (a Dahadarilar (Name and Versitian	100		
137	DEHYD_NUM_TRTMTS	Num	Number of times the patient received treatment for dehydration (nausea and	Variable Name: Did the Patient Receive Treatment for Dehydration (Nausea and Vomiting, Fluid, Electrolyte, or Nutritional Depletion) as an Outpatient?	106		
			vomiting, fluid, electrolyte, or nutritional	Tida, Electrolyte, or Nathitolial Depiction) as an Odipation:			
			depletion) as an outpatient				
138 E	EMERG_VISIT_OUT	Char	Was the patient seen in an emergency	Variable Name: Was the Patient Seen in any Emergency Department (ED) which did not result	107	Yes; No	
			department (ED) which did not result in an inpatient admission?	in an Inpatient Admission?	1		
139 E	EMERG_NUM_TIMES	Num	Number of times the patient was seen in	Variable Name: Was the Patient Seen in any Emergency Department (ED) which did not result	107		
.39	EMERG_NOW_TIMES	INGIII	an emergency department (ED) which did	in an Inpatient Admission?	107		
			not result in an inpatient admission				
140	DEATH30	Char	Death during Operation (Intra-Op Death)	Variable Name: Death During Operation (Intraoperative Death) OR Postoperative Death w/in 30	102	Yes; No	
			or Post-Op Death within 30 Days of	Days of Procedure			
141 C	DEATH_RELATED_BAR	Char	Procedure  Death Likely Related to the Operation	Variable Name: Was the Death Likely Related to the Operation	103	Yes: No	
	DEATH_CAUSE_BAR	Char	Most likely cause of death	Variable Name: Most Likely Cause of Death	104	See "Most Likely Cause of Death Guidance Table" on	
						page 104 in Variables and Definitions	
143 E	DEATHREVIEW_BAR	Char	Death reviewed by the bariatric committee	Variable Name: Was the Death Reviewed by the Bariatric Committee within 60 Days of Death?	105	Yes; No	
	DISCULLED SE DESTRUCTION	01	within 60 days of death	No. 11 to 12	101	OLUM A	
144	DISCHARGE_DESTINATION	Char	Discharge Destination	Variable Name: Hospital Discharge Destination	101	Skilled care, not home Unskilled facility, not home	
						Facility which was home	
						Home	
						Separate acute care	
						Rehab	
						Expired	
45 F	FOLLOW 30DAYS BAR	Char	Able to follow the patient for the full 30	Variable Name: Were you able to follow the patient for the full 30 days?	122	Expired Unknown	
145 F	FOLLOW_30DAYS_BAR	Char	Able to follow the patient for the full 30 days	Variable Name: Were you able to follow the patient for the full 30 days?	122	Expired	
	FOLLOW_30DAYS_BAR  EXAM_PERFORMED_PERSON_BA	Char	days  Exam performed by a bariatric physician	Variable Name: Was the Postoperative Exam Performed by a Bariatric Physician, Nurse	122 123	Expired Unknown	
146 E	EXAM_PERFORMED_PERSON_BA	Char	days  Exam performed by a bariatric physician or PA/NP	Variable Name: Was the Postoperative Exam Performed by a Bariatric Physician, Nurse Practitioner, or Physician's Assistant?	123	Expired Unknown Yes; No Yes; No	
146 E			days  Exam performed by a bariatric physician	Variable Name: Was the Postoperative Exam Performed by a Bariatric Physician, Nurse		Expired Unknown Yes; No	
146 E R 147 R	EXAM_PERFORMED_PERSON_BA R REOP30	Char	days  Exam performed by a bariatric physician or PA/NP  At least one reoperation within 30 days of op	Variable Name: Was the Postoperative Exam Performed by a Bariatric Physician, Nurse Practitioner, or Physician's Assistant?  Variable Name: Did the Patient have a Reoperation within the 30 Day Postoperative Period?	123	Expired Unknown Yes, No Yes; No Yes; No	
146 E R 147 R	EXAM_PERFORMED_PERSON_BA	Char	days  Exam performed by a bariatric physician or PA/NP  At least one reoperation within 30 days of op	Variable Name: Was the Postoperative Exam Performed by a Bariatric Physician, Nurse Practitioner, or Physician's Assistant? Variable Name: Did the Patient have a Reoperation within the 30 Day Postoperative Period? Variable Name: Did the Patient have a Hospital Readmission within 30 days of the Principal	123	Expired Unknown Yes; No Yes; No	
146 E R 147 R	EXAM_PERFORMED_PERSON_BA R REOP30 READ30	Char Char Char	days Exam performed by a bariatric physician or PAINP At least one reoperation within 30 days of op At least one readmission within 30 days of op	Variable Name: Was the Postoperative Exam Performed by a Bariatric Physician, Nurse Practitioner, or Physician's Assistant?  Variable Name: Did the Patient have a Reoperation within the 30 Day Postoperative Period?  Variable Name: Did the Patient have a Hospital Readmission within 30 days of the Principal Procedure?	123 110 108	Expired Unknown Yes; No Yes; No Yes; No Yes; No	
146 E R 147 R	EXAM_PERFORMED_PERSON_BA R REOP30	Char	days  Exam performed by a bariatric physician or PA/NP  At least one reoperation within 30 days of op	Variable Name: Was the Postoperative Exam Performed by a Bariatric Physician, Nurse Practitioner, or Physician's Assistant? Variable Name: Did the Patient have a Reoperation within the 30 Day Postoperative Period? Variable Name: Did the Patient have a Hospital Readmission within 30 days of the Principal	123	Expired Unknown Yes, No Yes; No Yes; No	
146 E R 147 R 148 R	EXAM_PERFORMED_PERSON_BA R REOP30 READ30	Char Char Char Char	days  Exam performed by a bariatric physician or PA/NP  At least one reoperation within 30 days of op  At least one readmission within 30 days of op  At least one intervention within 30 days of op  At least one intervention within 30 days of op  Anticoagulation initiated or	Variable Name: Was the Postoperative Exam Performed by a Bariatric Physician, Nurse Practitioner, or Physician's Assistant?  Variable Name: Did the Patient have a Reoperation within the 30 Day Postoperative Period?  Variable Name: Did the Patient have a Hospital Readmission within 30 days of the Principal Procedure?  Variable Name: Did the Patient have an Intervention within the 30 day Postoperative Period?  Variable Name: Was Anticoagulation Initiated for Presumed/Confirmed Venous Thrombosis/PE	123 110 108 116	Expired Unknown Yes; No Yes; No Yes; No Yes; No	
146 E R 147 R 148 R	EXAM_PERFORMED_PERSON_BA R REOP30 READ30 INTV30	Char Char Char Char	days  Exam performed by a bariatric physician or PAINP  At least one reoperation within 30 days of op  At least one readmission within 30 days of op  At least one intervention within 30 days of op  At least one intervention within 30 days of op	Variable Name: Was the Postoperative Exam Performed by a Bariatric Physician, Nurse Practitioner, or Physician's Assistant?  Variable Name: Did the Patient have a Reoperation within the 30 Day Postoperative Period?  Variable Name: Did the Patient have a Hospital Readmission within 30 days of the Principal Procedure?  Variable Name: Did the Patient have an Intervention within the 30 day Postoperative Period?	123 110 108 116	Expired Unknown Yes; No Yes; No Yes; No Yes; No Yes; No	
146 E R 147 R 148 R 149 III	EXAM_PERFORMED_PERSON_BA R REOP30 READ30 INTV30 ANTICOAGULATION_INITIATED_B AR	Char Char Char Char Char	days  Exam performed by a bariatric physician or PA/NP  At least one reoperation within 30 days of op  At least one readmission within 30 days of op  At least one intervention within 30 days of op  At least one intervention within 30 days of op  Anticoagulation initiated or presumed/confirmed vein thrombosis/PE	Variable Name: Was the Postoperative Exam Performed by a Bariatric Physician, Nurse Practitioner, or Physician's Assistant?  Variable Name: Did the Patient have a Reoperation within the 30 Day Postoperative Period?  Variable Name: Did the Patient have a Hospital Readmission within 30 days of the Principal Procedure?  Variable Name: Did the Patient have an Intervention within the 30 day Postoperative Period?  Variable Name: Did the Patient have an Intervention within the 30 day Postoperative Period?  Variable Name: Was Anticoagulation Initiated for Presumed/Confirmed Venous Thrombosis/PE Postoperatively	123 110 108 116 125	Expired Unknown Yes; No	
146 E R 147 R 148 R 149 III	EXAM_PERFORMED_PERSON_BA R REOP30 READ30 INTV30	Char Char Char Char Char	days  Exam performed by a bariatric physician or PA/NP  At least one reoperation within 30 days of op  At least one readmission within 30 days of op  At least one intervention within 30 days of op  At least one intervention within 30 days of op  Anticoagulation initiated or	Variable Name: Was the Postoperative Exam Performed by a Bariatric Physician, Nurse Practitioner, or Physician's Assistant?  Variable Name: Did the Patient have a Reoperation within the 30 Day Postoperative Period?  Variable Name: Did the Patient have a Hospital Readmission within 30 days of the Principal Procedure?  Variable Name: Did the Patient have an Intervention within the 30 day Postoperative Period?  Variable Name: Was Anticoagulation Initiated for Presumed/Confirmed Venous Thrombosis/PE	123 110 108 116	Expired Unknown Yes; No Yes; No Yes; No Yes; No Yes; No	
146 E R R R R R R R R R R R R R R R R R R	EXAM_PERFORMED_PERSON_BA R REOP30 READ30 IINTV30 ANTICOAGULATION_INITIATED_B AR IINCISIONAL_HERNIA_NOTED_BAR	Char Char Char Char Char	days  Exam performed by a bariatric physician or PA/NP  At least one reoperation within 30 days of op  At least one readmission within 30 days of op  At least one intervention within 30 days of op  At least one intervention within 30 days of op  Anticoagulation initiated or presumed/confirmed vein thrombosis/PE	Variable Name: Was the Postoperative Exam Performed by a Bariatric Physician, Nurse Practitioner, or Physician's Assistant?  Variable Name: Did the Patient have a Reoperation within the 30 Day Postoperative Period?  Variable Name: Did the Patient have a Hospital Readmission within 30 days of the Principal Procedure?  Variable Name: Did the Patient have an Intervention within the 30 day Postoperative Period?  Variable Name: Did the Patient have an Intervention within the 30 day Postoperative Period?  Variable Name: Was Anticoagulation Initiated for Presumed/Confirmed Venous Thrombosis/PE Postoperatively	123 110 108 116 125	Expired Unknown Yes; No	
146 E R R 1447 R 148 R 149 III 150 A A 151 III 152 C C 153 C C	EXAM_PERFORMED_PERSON_BA R REOP30 READ30 INTV30 ANTICOAGULATION_INITIATED_B AR INCISIONAL_HERNIA_NOTED_BAR DRAIN_PRESENT_30DAY_BAR DTPOSTOPSUPERFICIAL INCISION	Char Char Char Char Char Char Char	days  Exam performed by a bariatric physician or PAINP At least one reoperation within 30 days of op At least one readmission within 30 days of op At least one intervention within 30 days of op At least one intervention within 30 days of op Anticoagulation initiated or presumed/confirmed vein thrombosis/PE Incisional Hernia Noted on Exam Operative drain still present at 30 days Days from operation date to first recorded	Variable Name: Was the Postoperative Exam Performed by a Bariatric Physician, Nurse Practitioner, or Physician's Assistant?  Variable Name: Did the Patient have a Reoperation within the 30 Day Postoperative Period?  Variable Name: Did the Patient have a Hospital Readmission within 30 days of the Principal Procedure?  Variable Name: Did the Patient have an Intervention within the 30 day Postoperative Period?  Variable Name: Was Anticoagulation Initiated for Presumed/Confirmed Venous Thrombosis/PE Postoperatively  Variable Name: Was an Incisional Hernia Noted on Exam Postoperatively  Variable Name: Was an Operative Drain Still Present at 30 days Postoperative  Days to first recorded Superficial Incisional SSI occurrence from initial bariatric surgery	123 110 108 116 125	Expired Unknown Yes; No	Values capped between 0 and 30. If
146 E R R 1447 R 148 R 149 III 150 A A 151 III 152 C C 153 C C	EXAM_PERFORMED_PERSON_BA R REOP30  READ30  INTV30  ANTICOAGULATION_INITIATED_B AR  INCISIONAL_HERNIA_NOTED_BAR  DRAIN_PRESENT_30DAY_BAR	Char Char Char Char Char Char Char	days  Exam performed by a bariatric physician or PA/NP  At least one reoperation within 30 days of op  At least one readmission within 30 days of op  At least one intervention within 30 days of op  At least one intervention within 30 days of op  Anticoagulation initiated or presumed/confirmed vein thrombosis/PE  Incisional Hernia Noted on Exam  Operative drain still present at 30 days	Variable Name: Was the Postoperative Exam Performed by a Bariatric Physician, Nurse Practitioner, or Physician's Assistant?  Variable Name: Did the Patient have a Reoperation within the 30 Day Postoperative Period?  Variable Name: Did the Patient have a Hospital Readmission within 30 days of the Principal Procedure?  Variable Name: Did the Patient have an Intervention within the 30 day Postoperative Period?  Variable Name: Was Anticoagulation Initiated for Presumed/Confirmed Venous Thrombosis/PE Postoperatively  Variable Name: Was an Incisional Hernia Noted on Exam Postoperatively  Variable Name: Was an Operative Drain Still Present at 30 days Postoperative	123 110 108 116 125	Expired Unknown Yes; No	POSTOPSUPERFICIALINCISIONALSSI = 0 then this
146 E R R 1447 R 148 R 149 III 150 A A 151 III 152 C C 153 C C	EXAM_PERFORMED_PERSON_BA R REOP30 READ30 INTV30 ANTICOAGULATION_INITIATED_B AR INCISIONAL_HERNIA_NOTED_BAR DRAIN_PRESENT_30DAY_BAR DTPOSTOPSUPERFICIAL INCISION	Char Char Char Char Char Char Char	days  Exam performed by a bariatric physician or PAINP At least one reoperation within 30 days of op At least one readmission within 30 days of op At least one intervention within 30 days of op At least one intervention within 30 days of op Anticoagulation initiated or presumed/confirmed vein thrombosis/PE Incisional Hernia Noted on Exam Operative drain still present at 30 days Days from operation date to first recorded	Variable Name: Was the Postoperative Exam Performed by a Bariatric Physician, Nurse Practitioner, or Physician's Assistant?  Variable Name: Did the Patient have a Reoperation within the 30 Day Postoperative Period?  Variable Name: Did the Patient have a Hospital Readmission within 30 days of the Principal Procedure?  Variable Name: Did the Patient have an Intervention within the 30 day Postoperative Period?  Variable Name: Was Anticoagulation Initiated for Presumed/Confirmed Venous Thrombosis/PE Postoperatively  Variable Name: Was an Incisional Hernia Noted on Exam Postoperatively  Variable Name: Was an Operative Drain Still Present at 30 days Postoperative  Days to first recorded Superficial Incisional SSI occurrence from initial bariatric surgery	123 110 108 116 125	Expired Unknown Yes; No	
146 E F F F F F F F F F F F F F F F F F F	EXAM_PERFORMED_PERSON_BA R REOP30 READ30 INTV30 ANTICOAGULATION_INITIATED_B AR INCISIONAL_HERNIA_NOTED_BAR DRAIN_PRESENT_30DAY_BAR DTPOSTOPSUPERFICIAL INCISION	Char Char Char Char Char Char Char	days  Exam performed by a bariatric physician or PA/NP At least one reoperation within 30 days of op At least one readmission within 30 days of op At least one intervention within 30 days of op Anticoagulation initiated or presumed/confirmed vein thrombosis/PE Incisional Hernia Noted on Exam Operative drain still present at 30 days Days from operation date to first recorded date of Superficial Incisional SSI  Days from operation date to first recorded	Variable Name: Was the Postoperative Exam Performed by a Bariatric Physician, Nurse Practitioner, or Physician's Assistant?  Variable Name: Did the Patient have a Reoperation within the 30 Day Postoperative Period?  Variable Name: Did the Patient have a Hospital Readmission within 30 days of the Principal Procedure?  Variable Name: Did the Patient have an Intervention within the 30 day Postoperative Period?  Variable Name: Was Anticoagulation Initiated for Presumed/Confirmed Venous Thrombosis/PE Postoperatively  Variable Name: Was an Incisional Hernia Noted on Exam Postoperatively  Variable Name: Was an Operative Drain Still Present at 30 days Postoperative  Days to first recorded Superficial Incisional SSI occurrence from initial bariatric surgery	123 110 108 116 125	Expired Unknown Yes; No	POSTOPSUPERFICIALINCISIONALSSI = 0 then this variable will be missing  Values capped between 0 and 30. If
146 E F F F F F F F F F F F F F F F F F F	EXAM_PERFORMED_PERSON_BA R REOP30 READ30 INTV30 ANTICOAGULATION_INITIATED_B AR INCISIONAL_HERNIA_NOTED_BAR DRAIN_PRESENT_30DAY_BAR DTPOSTOPSUPERFICIALINCISION ALSSI	Char Char Char Char Char Char Char Num	days  Exam performed by a bariatric physician or PA/NP  At least one reoperation within 30 days of op  At least one readmission within 30 days of op  At least one intervention within 30 days of op  At least one intervention within 30 days of op  Anticoagulation initiated or presumed/confirmed vein thrombosis/PE  Incisional Hernia Noted on Exam  Operative drain still present at 30 days  Days from operation date to first recorded date of Superficial Incisional SSI	Variable Name: Was the Postoperative Exam Performed by a Bariatric Physician, Nurse Practitioner, or Physician's Assistant?  Variable Name: Did the Patient have a Reoperation within the 30 Day Postoperative Period?  Variable Name: Did the Patient have a Hospital Readmission within 30 days of the Principal Procedure?  Variable Name: Did the Patient have an Intervention within the 30 day Postoperative Period?  Variable Name: Was Anticoagulation Initiated for Presumed/Confirmed Venous Thrombosis/PE Postoperatively  Variable Name: Was an Incisional Hernia Noted on Exam Postoperatively  Variable Name: Was an Operative Drain Still Present at 30 days Postoperative  Days to first recorded Superficial Incisional SSI occurrence from initial bariatric surgery operation date	123 110 108 116 125	Expired Unknown Yes; No	POSTOPSUPERFICIALINCISIONALSSI = 0 then this variable will be missing  Values capped between 0 and 30. If POSTOPDEEPINCISIONALSSI = 0 then this variable
146 E F F F F F F F F F F F F F F F F F F	EXAM_PERFORMED_PERSON_BA R REOP30 READ30 INTV30 ANTICOAGULATION_INITIATED_B AR INCISIONAL_HERNIA_NOTED_BAR DRAIN_PRESENT_30DAY_BAR DTPOSTOPSUPERFICIALINCISION ALSSI	Char Char Char Char Char Char Char Num	days  Exam performed by a bariatric physician or PA/NP At least one reoperation within 30 days of op At least one readmission within 30 days of op At least one intervention within 30 days of op Anticoagulation initiated or presumed/confirmed vein thrombosis/PE Incisional Hernia Noted on Exam Operative drain still present at 30 days Days from operation date to first recorded date of Superficial Incisional SSI  Days from operation date to first recorded	Variable Name: Was the Postoperative Exam Performed by a Bariatric Physician, Nurse Practitioner, or Physician's Assistant?  Variable Name: Did the Patient have a Reoperation within the 30 Day Postoperative Period?  Variable Name: Did the Patient have a Hospital Readmission within 30 days of the Principal Procedure?  Variable Name: Did the Patient have an Intervention within the 30 day Postoperative Period?  Variable Name: Was Anticoagulation Initiated for Presumed/Confirmed Venous Thrombosis/PE Postoperatively  Variable Name: Was an Incisional Hernia Noted on Exam Postoperatively  Variable Name: Was an Operative Drain Still Present at 30 days Postoperative  Days to first recorded Superficial Incisional SSI occurrence from initial bariatric surgery operation date	123 110 108 116 125	Expired Unknown Yes; No	POSTOPSUPERFICIALINCISIONALSSI = 0 then this variable will be missing  Values capped between 0 and 30. If
146 E E E E E E E E E E E E E E E E E E E	EXAM_PERFORMED_PERSON_BA R REOP30 READ30 INTV30 ANTICOAGULATION_INITIATED_B AR INCISIONAL_HERNIA_NOTED_BAR DRAIN_PRESENT_30DAY_BAR DTPOSTOPSUPERFICIALINCISION ALSSI	Char Char Char Char Char Char Char Num	days  Exam performed by a bariatric physician or PA/NP  At least one reoperation within 30 days of op  At least one readmission within 30 days of op  At least one intervention within 30 days of op  At least one intervention within 30 days of op  At least one intervention within 30 days of op  Anticoagulation initiated or presumed/confirmed vein thrombosis/PE  Incisional Hernia Noted on Exam  Operative drain still present at 30 days  Days from operation date to first recorded date of Superficial Incisional SSI  Days from operation date to first recorded date of Deep Incisional SSI	Variable Name: Was the Postoperative Exam Performed by a Bariatric Physician, Nurse Practitioner, or Physician's Assistant?  Variable Name: Did the Patient have a Reoperation within the 30 Day Postoperative Period?  Variable Name: Did the Patient have a Hospital Readmission within 30 days of the Principal Procedure?  Variable Name: Did the Patient have an Intervention within the 30 day Postoperative Period?  Variable Name: Was Anticoagulation Initiated for Presumed/Confirmed Venous Thrombosis/PE Postoperatively  Variable Name: Was an Incisional Hernia Noted on Exam Postoperatively  Variable Name: Was an Operative Drain Still Present at 30 days Postoperative  Days to first recorded Superficial Incisional SSI occurrence from initial bariatric surgery operation date	123 110 108 116 125	Expired Unknown Yes; No	POSTOPSUPERFICIALINCISIONALSSI = 0 then this variable will be missing  Values capped between 0 and 30. If POSTOPDEEPINCISIONALSSI = 0 then this variable will be missing  Values capped between 0 and 30. If
146 E E E E E E E E E E E E E E E E E E E	EXAM_PERFORMED_PERSON_BA R REOP30 READ30 INTV30 ANTICOAGULATION_INITIATED_B AR INCISIONAL_HERNIA_NOTED_BAR DRAIN_PRESENT_30DAY_BAR DTPOSTOPSUPERFICIALINCISION ALSSI DTPOSTOPDEEPINCISIONALSSI	Char Char Char Char Char Char Num	days  Exam performed by a bariatric physician or PA/NP  At least one reoperation within 30 days of op  At least one readmission within 30 days of op  At least one intervention within 30 days of op  At least one intervention within 30 days of op  At least one intervention within 30 days of op  Anticoagulation initiated or presumed/confirmed vein thrombosis/PE  Incisional Hernia Noted on Exam  Operative drain still present at 30 days  Days from operation date to first recorded date of Superficial Incisional SSI  Days from operation date to first recorded date of Deep Incisional SSI	Variable Name: Was the Postoperative Exam Performed by a Bariatric Physician, Nurse Practitioner, or Physician's Assistant?  Variable Name: Did the Patient have a Reoperation within the 30 Day Postoperative Period?  Variable Name: Did the Patient have a Hospital Readmission within 30 days of the Principal Procedure?  Variable Name: Did the Patient have an Intervention within the 30 day Postoperative Period?  Variable Name: Was Anticoagulation Initiated for Presumed/Confirmed Venous Thrombosis/PE Postoperatively  Variable Name: Was an Incisional Hernia Noted on Exam Postoperatively  Variable Name: Was an Operative Drain Still Present at 30 days Postoperative  Days to first recorded Superficial Incisional SSI occurrence from initial bariatric surgery operation date  Days to first recorded Deep Incisional SSI occurrence from initial bariatric surgery operation date	123 110 108 116 125	Expired Unknown Yes; No	POSTOP SUPERFICIALINCISIONALSSI = 0 then this variable will be missing Yalues capped between 0 and 30. If POSTOPDEEPINCISIONALSSI = 0 then this variable will be missing Values capped between 0 and 30. If POSTOPORGANSPACESSI = 0 then this variable
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146 E R 147 F 148 F 149 III 150 A 151 II 152 C 153 C A 155 C	EXAM_PERFORMED_PERSON_BA R REOP30 READ30 INTV30 ANTICOAGULATION_INITIATED_B AR INCISIONAL_HERNIA_NOTED_BAR DRAIN_PRESENT_30DAY_BAR DTPOSTOPSUPERFICIALINCISION ALSSI DTPOSTOPDEEPINCISIONALSSI	Char Char Char Char Char Char Num	days  Exam performed by a bariatric physician or PA/NP  At least one reoperation within 30 days of op  At least one readmission within 30 days of op  At least one intervention within 30 days of op  At least one intervention within 30 days of op  At least one intervention within 30 days of op  Anticoagulation initiated or presumed/confirmed vein thrombosis/PE  Incisional Hernia Noted on Exam  Operative drain still present at 30 days Days from operation date to first recorded date of Superficial Incisional SSI  Days from operation date to first recorded date of Deep Incisional SSI  Days from operation date to first recorded date of Organ/Space SSI	Variable Name: Was the Postoperative Exam Performed by a Bariatric Physician, Nurse Practitioner, or Physician's Assistant?  Variable Name: Did the Patient have a Reoperation within the 30 Day Postoperative Period?  Variable Name: Did the Patient have a Hospital Readmission within 30 days of the Principal Procedure?  Variable Name: Did the Patient have an Intervention within the 30 day Postoperative Period?  Variable Name: Was Anticoagulation Initiated for Presumed/Confirmed Venous Thrombosis/PE Postoperatively  Variable Name: Was an Incisional Hernia Noted on Exam Postoperatively  Variable Name: Was an Operative Drain Still Present at 30 days Postoperative Days to first recorded Superficial Incisional SSI occurrence from initial bariatric surgery operation date  Days to first recorded Deep Incisional SSI occurrence from initial bariatric surgery operation date  Days to first recorded Organ/Space SSI occurrence from initial bariatric surgery operation date	123 110 108 116 125	Expired Unknown Yes; No	POSTOPOSUPERFICIALINCISIONALSSI = 0 then this variable will be missing Values capped between 0 and 30. If POSTOPDEEPINCISIONALSSI = 0 then this variable will be missing Values capped between 0 and 30. If POSTOPORGANSPACESSI = 0 then this variable will be missing
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146 E R 147 F 148 F 149 III 150 A 151 II 152 C 153 C A 155 C	EXAM_PERFORMED_PERSON_BA R REOP30 READ30 INTV30 ANTICOAGULATION_INITIATED_B AR INCISIONAL_HERNIA_NOTED_BAR DRAIN_PRESENT_30DAY_BAR DTPOSTOPSUPERFICIALINCISION ALSSI DTPOSTOPDEEPINCISIONALSSI	Char Char Char Char Char Num Num	days  Exam performed by a bariatric physician or PA/NP At least one reoperation within 30 days of op At least one readmission within 30 days of op At least one intervention within 30 days of op At least one intervention within 30 days of op At least one intervention within 30 days of op Anticoagulation initiated or presumed/confirmed vein thrombosis/PE Incisional Hernia Noted on Exam Operative drain still present at 30 days Days from operation date to first recorded date of Superficial Incisional SSI Days from operation date to first recorded date of Deep Incisional SSI Days from operation date to first recorded date of Organ/Space SSI Days from operation date to first recorded date of Organ/Space SSI	Variable Name: Was the Postoperative Exam Performed by a Bariatric Physician, Nurse Practitioner, or Physician's Assistant?  Variable Name: Did the Patient have a Reoperation within the 30 Day Postoperative Period?  Variable Name: Did the Patient have a Hospital Readmission within 30 days of the Principal Procedure?  Variable Name: Did the Patient have an Intervention within the 30 day Postoperative Period?  Variable Name: Was Anticoagulation Initiated for Presumed/Confirmed Venous Thrombosis/PE Postoperatively  Variable Name: Was an Incisional Hernia Noted on Exam Postoperatively  Variable Name: Was an Operative Drain Still Present at 30 days Postoperative  Days to first recorded Superficial Incisional SSI occurrence from initial bariatric surgery operation date  Days to first recorded Deep Incisional SSI occurrence from initial bariatric surgery operation date  Days to first recorded Organ/Space SSI occurrence from initial bariatric surgery operation date  Days to first recorded Organ/Space SSI occurrence from initial bariatric surgery operation date	123 110 108 116 125	Expired Unknown Yes; No	POSTOPSUPERFICIALINCISIONALSSI = 0 then this variable will be missing  Values capped between 0 and 30. If POSTOPDEEPINCISIONALSSI = 0 then this variable will be missing  Values capped between 0 and 30. If POSTOPORGANSPACESSI = 0 then this variable will be missing  Values capped between 0 and 30. If
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Position #	Variable Name	Data	Variable Label	Search Term in Variables and Definitions	Page Number in	Variable Options	Comments
		Type			Variables and Definitions		
158	DTPOSTOPSEPSIS	Num	Days from operation date to first recorded	Days to first recorded Sepsis occurrence from initial bariatric surgery operation date			Values capped between 0 and 30. If POSTOPSEPSIS
136	DIFOSTOFSEFSIS	Num	date of Sepsis	bays to linst recorded Sepsis occurrence from findar banding surgery operation date			= 0 then this variable will be missing
159	DTPOSTOPSEPTICSHOCK	Num	Days from operation date to first recorded date of Septic Shock	Days to first recorded Septic Shock occurrence from initial bariatric surgery operation date			Values capped between 0 and 30. If POSTOPSEPTICSHOCK = 0 then this variable will be missing
160	DTPOSTOPUTI	Num	Days from operation date to first recorded date of Urinary Tract Infection	Days to first recorded Urinary Tract Infection occurrence from initial bariatric surgery operation date			Values capped between 0 and 30. If POSTOPUTI = 0 then this variable will be missing
161	DTWOUNDDISRUPTION	Num	Days from operation date to Wound Disruption	Days to Wound Disruption occurrence from initial bariatric surgery operation date			Values capped between 0 and 30. If WOUNDDISRUPTION = "No" then this variable will be missing
162	DTUNPLINTUBATION	Num	Days from operation date to Unplanned Intubation	Days to Unplanned Intubation occurrence from initial bariatric surgery operation date			Values capped between 0 and 30. If UNPLINTUBATION = "No" then this variable will be missing
163	DTPULMONARYEMBOLSM	Num	Days from operation date to Pulmonary Embolism	Days to Pulmonary Embolism occurrence from initial bariatric surgery operation date			Values capped between 0 and 30. If PULMONARYEMBOLSM = "No" then this variable will be missing
164	DTPROGRSRENALINSUF	Num	Days from operation date to Progressive Renal Insufficiency	Days to Progressive Renal Insufficiency occurrence from initial bariatric surgery operation date			Values capped between 0 and 30. If PROGRSRENALINSUF = "No" then this variable will be missing
165	DTACTERENALFAILURE	Num	Days from operation date to Acute Renal Failure	Days to Acute Renal Failure occurrence from initial bariatric surgery operation date			Values capped between 0 and 30. If ACTERENALFAILURE = "No" then this variable will be missing
166	DTCVA	Num	Days from operation date to Stroke/CVA	Days to Stroke/CVA occurrence from initial bariatric surgery operation date			Values capped between 0 and 30. If CVA = "No" then this variable will be missing
167	DTCOMA24HOURS	Num	Days from operation date to Coma > 24 Hours	Days to Coma > 24 Hours occurrence from initial bariatric surgery operation date			Values capped between 0 and 30. If COMA24HOURS = "No" then this variable will be missing
168	DTPREIFNRVINJ	Num	Days from operation date to Peripheral Nerve Injury	Days to Peripheral Nerve Injury occurrence from initial bariatric surgery operation date			Values capped between 0 and 30. If PREIFNRVINJ = "No" then this variable will be missing
169	DTCARDIACARRESTCPR	Num	Days from operation date to Cardiac Arrest Requiring CPR	Days to Cardiac Arrest Requiring CPR occurrence from initial bariatric surgery operation date			Values capped between 0 and 30. If CARDIACARRESTCPR = "No" then this variable will be missing
170	DTMYOCARDIALINFR	Num	Days from operation date to Myocardial Infarction	Days to Myocardial Infarction occurrence from initial bariatric surgery operation date			Values capped between 0 and 30. If MYOCARDIALINFR = "No" then this variable will be missing
171	DTTRANSFINTOPPSTOP	Num	Days from operation date to Transfusion	Days to Transfusion (72h) occurrence from initial bariatric surgery operation date			Values capped between 0 and 3. If TRANSFINTOPPSTOP = "No" then this variable will be missing Note: Previous PUF files capped this value between 0 and 30. The cap between 0 and 3 is revised for the current (2018) PUF file.
172	DTVEINTHROMBREQTER	Num	Days from operation date to Vein Thrombosis Requiring Therapy	Days to Vein Thrombosis Requiring Therapy occurrence from initial bariatric surgery operation date			Values capped between 0 and 30. If VEINTHROMBREQTER = "No" then this variable will be missing
173	DTCDIFF	Num	Days from operation date to C. diff Infection	Days to C. diff Infection occurrence from initial bariatric surgery operation date			Values capped between 0 and 30. If CDIFF = "No" then this variable will be missing

Position	¥ Variable Name	Data	Variable Label	Search Term in Variables and Definitions	Page Number in	Variable Options	Comments
		Type			Variables and		
					Definitions		

#### Reoperation

1	CASEID	Num	Case Identification Number	Each case or record in the database has a unique CaseID number.			
2	REOP_INFORMATION_SOURCE_B	Char	Information Source	Variable Name: Information Source for Reoperation	115	Medical record	
	AR					Patient/Family Report	
						Other	
3	REOP_RELATED_BAR	Char	Reoperation related to metabolic/bariatric	Variable Name: Was this Reoperation likely related to a Metabolic or Bariatric procedure?	110	Yes; No	
			procedure				
4	REOP_SUSPECTED_REASON_BAR	Char	Most likely reason for reoperation	Variable Name: Most Likely Reason for Reoperation	113	See "Most Likely Reason for Reoperation Guidance	
						Table" on page 113 in Variables and Definitions	
5	REOP_CODE_BAR	Char	Reoperation Type	Variable Name: Reoperation Type	111	See "Reoperation Guidance Table" on page 111 in	
						Variables and Definitions	
6	REOP_CPT_BAR	Char	Reoperation CPT	Variable Name: CPT code for Reoperation	111		
7	REOP_UNPLANNED	Char	Unplanned reoperation	Variable Name: Was this reoperation unplanned at the time of the principal procedure?	112	Yes; No	
8	REOP_CENTER	Char	Reoperation performed at reporting center	Variable Name: Was this reoperation performed at your hospital?	110	Yes; No	
9	REOP_EMERGENCY	Char	Emergency Reoperation	Variable Name: Reoperation Emergency Case	110	Yes; No	
10	REOP_STAPLING_PROC	Char	Reoperation Stapling Procedure	Variable Name: Was this Reoperation a Stapling Procedure?	110	Yes; No	
11	REOP_REVCONV_PROC	Char	Reoperation Revision/Conversion	Was this procedure a Revision/Conversion?	110	Yes; No	
12	REOP_MINILOOP	Char	Reoperation Mini-Loop Gastric Bypass	Was this procedure a mini-loop gastric bypass?	110	Yes; No	
13	REOP_GAS_PLICATION	Char	Reoperation Gastric Plication	Was this procedure a gastric plication?	110	Yes; No	
14	REOP_ENDO_THER	Char	Reoperation Endoscopic Therapy	Was this procedure an endoscopic therapy?	110	Yes; No	
15	DTREOP	Num	Days to Reoperation	Days from initial bariatric or metabolic surgery procedure to reoperation.			Values capped between 0 and 30

#### Readmission

4	CASEID	Num	Case Identification Number	Each case or record in the database has a unique CaseID number.	1		1
2	READ INFO SOURCE		Information Source	Variable Name: Did the Patient have a Hospital Readmission within 30 days of the Principal	108	Medical record	
_	KEND_INI O_OOOKOE	Onai	Information Course	Procedure?	100	Patient/Family Report	
						Other	
3	READ_RELATED	Char	Readmission related to metabolic/bariatric procedure	Variable Name: Did the Patient have a Hospital Readmission within 30 days of the Principal Procedure?	108	Yes; No	
4	SUSPREASON	Char	Most Likely Reason for Readmission	Variable Name: Did the Patient have a Hospital Readmission within 30 days of the Principal Procedure?	109	See "Most Likely Reason for Readmission Guidance Table" on page 111 in in Variables and Definitions	
5	READ_UNPLANNED	Char	Unplanned Readmission	Was this readmission unplanned at the time of the principal procedure?	108	Yes; No	
6	READ_HOSPITAL	Char	Readmission Occurred at Reporting Center	Did this readmission occur at your hospital?	108	Yes; No	
7	DTREAD	Num	Days from Operation date to Readmission	Days from initial bariatric or metabolic surgery procedure to readmission			Values capped between 0 and 30
8	DTREAD_DISCH		Readmission	Days to readmission from original hospital stay discharge			Values capped between 0 and 30
9	DTDISDT_READ		Days from Readmission to Readmission Discharge	Days to readmission discharge from readmission date			Values capped between 0 and 150

#### Intervention

1	CASEID	Num	Case Identification Number	Each case or record in the database has a unique CaseID number.			
2	INTV_INFORMATION_SOURCE_BA	Char	Information Source	Variable Name: Information Source for Intervention	121	Medical Record	
	R					Patient/Family Report	
						Other	
3	INTV_RELATED_BAR	Char	Intervention related to metabolic/bariatric procedure	Variable Name: Was the Intervention likely related to a Metabolic or Bariatric procedure?	116	Yes; No	
4	INTV_REASON_BAR	Char	Most Likely Reason for Intervention	Variable Name: Most Likely Reason for Intervention	119	See "Most Likely Reason for Intervention Guidance Table" on page 119 in Variables and Definitions	
5	INTV_CODE_BAR	Char	Intervention Type	Variable Name: Intervention Type	118	See options on page 118 in in Variables and Definitions	
6	INTV_UNPLANNED_BAR	Char	Unplanned Intervention	Variable Name: Was this intervention unplanned at the time of the principal procedure?	117	Yes; No	
7	INTV_EMERGENCY_BAR	Char	Emergency Intervention	Variable Name: Intervention Emergency Case	116	Yes; No	
8	INTV_THER_BAR	Char	Intervention Therapeutic Endoscopy	Therapeutic Endoscopy	118		If INTV_CODE_BAR does not equal "Therapeutic Endoscopy" then this variable will be missing
9	DTINTV	Num	Days from Operation date to Intervention	Days from the initial metabolic and bariatric surgical operation to the intervention procedure			Values capped between 0 and 30

Position #	Variable Name	Data	Variable Label	Search Term in Variables and Definitions	Page Number in	Variable Options	Comments
		Type			Variables and		
					Definitions		
BMI							
1	CASEID	Num	Case Identification Number	Each case or record in the database has a unique CaseID number.			
2	HGT		Height	Variable Name: Preoperative Height	17		Same variable found in the main dataset
2	HGTUNIT	Char		Height Measurement Units	17	in. cm	Same variable found in the main dataset
3			Pre-Op Weight closest to bariatric surgery		10	iii, uiii	Same variable found in the main dataset
4	WGT_CLOSEST	Num	Pre-Op Weight closest to bariatric surgery	variable Name: Weight Closest to Surgery	19		Same variable found in the main dataset
5	WGTUNIT_CLOSEST	Char	Pre-Op Weight closest to bariatric surgery	Closest to Surgery Pre-op Weight Measurement Units	19	lbs, kg	Same variable found in the main dataset
	_		Unit			. •	
6	WGT_HIGH_BAR	Num	Highest Pre-Op Weight recorded	Variable Name: Highest Recorded Weight within 1 year at the Program	18		Same variable found in the main dataset
7	WGT_HIGH_UNIT_BAR	Char	Highest Pre-Op Weight recorded Unit	Highest Recorded Pre-op Weight Measurement Units	18	lbs, kg	Same variable found in the main dataset
8	WGT_DISCH	Num	Post-Op Weight	Variable Name: Postoperative Weight	124	-	
9	WGTUNIT_DISCH	Char	Post-Op Weight Unit	Post-op Weight Measurement Units	124	lbs, kg	İ
10	BMI	Num	Pre-Op BMI closest to bariatric surgery	Calculated from closest to surgery recorded pre-op weight and height		-	Same variable found in the main dataset. Values
							capped between 15 and 150
11	BMI_HIGH_BAR	Num	Highest Recorded Pre-Op BMI	Calculated from highest recorded pre-op weight and height			Same variable found in the main dataset. Values
		1					capped between 15 and 150
12	BMI_DISCH	Num	Post-Op BMI	Calculated from post-op weight and height			Values capped between 15 and 150
13	DTBMI	Num	Days from bariatric surgery to Post-Op	Days from bariatric or metabolic surgery to post-op BMI measurement	1		Values capped between 0 and 30
		1	BMI measurement				**



# METABOLIC AND BARIATRIC SURGERY ACCREDITATION AND QUALITY IMPROVEMENT PROGRAM



