

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 (https://www.facs.org/quality-programs/mbsaqip/participant-use). 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 https://www.facs.org/quality-programs/mbsaqip/participant-use and following the steps listed below:

1. From the MBSAQIP main page (www.facs.org/quality-programs/mbsaqip) the requestor can click on the "Participant Use Data 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

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. gastroente

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:

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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.

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		Notable Data Updates				
Main	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
1 2 3	CASEID SEX AGE	Num Char Num	Case Identification Number Sex Age	Each case or record in the database has a unique CaseID number. Variable Name: Gender Variable Name: Date of Birth	2	Male; Female	Values capped between 10 and 80
4	ageGT80	Char	Age Greater Than 80 Years	Indicator for patients with recorded age greater than 80	1	Yes; No White Black or African American American Indian or Alaska Native Native Hawaiian or Other Pacific Islander Asian Unknown	
6 7	HISPANIC CPT	Char Char	Hispanic Ethnicity CPT principal operative procedure	Variable Name: Hispanic Ethnicity Variable Name: CPT® (Current Procedural Terminology) Code for the Principal Operative Procedure	4 5	Yes; No; Unknown	
8	CPTUNLISTED_REVCONV	Num	Revision/Conversion Flag	Variable Name: Revision/Conversion Principal Operative Procedure	7	0 = No; 1 = Yes	
9	CPTUNLISTED_GASBYPASS	Num	Miniloop Gastric Bypass Flag	Variable Name: Mini-Loop Gastric Bypass (MGB) Principal Operative Procedure	8	0 = No; 1 = Yes	
10	FETTHY LISTER GOOSS LOCATION LIST	TERVE	Restric Plication Flags Blocknotherapy	Agriable Name: Gastric Plication Principal Operative Procedure Variable Name: Endoscopic Therapy Principal Operative Procedure	9	0 = No; 1 = Yes	
11					10	0 = No; 1 = Yes	
12	CPTUNLISTED_OTHER	Num	Other Flag	Variable Name: Other Principal Operative Procedure	13	0 = No; 1 = Yes	
13 14	CPTUNLISTED_BALLOON CPTUNLISTED_140101	Num	Intragastric Balloon Flag	Variable Name: Intragastric Balloon	11	0 = No; 1 = Yes	

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Position #	Variable Name	Data	Variable Label	Search Term in Variables and Definitions	Page Number in Variables and	Variable Options	Comments
		Type			Variables and Definitions	1	
					Deminions		
42	COPD	Char	Pre-Op history of COPD	Variable Name: History of Severe COPD	23	Yes; No	
	OXYGEN_DEPENDENT	Char	Pre-Op Oxygen Dependent	Variable Name: Preoperative Oxygen Dependent	24	Yes; No	
	HISTORY_PE	Char	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	
	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	
					37	IVC filter placed in anticipation of the metabolic or bariatric procedure IVC filter was preexisting Unknown	
50 51	ALBUMIN DPRALBUM	Num Num	Pre-op Albumin Lab Value Days from Albumin Pre-Op Labs to	Variable Name: Preoperative Lab Value Information Days from pre-operative Albumin to initial bariatric surgery operation date	46 46		Values capped between 1 and 10 Values capped between 0 and 90
52	HCT	Num	Operation Pre-op Hematocrit Lab Value	Variable Name: Preoperative Lab Value Information	46		Values capped between 8 and 60
	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
54	CREATININE	Num	Pre-Op Creatinine Lab Value	Variable Name: Preoperative Lab Value Information	46		Values capped between 0.1 and 15
	DPRCREAT	Num	Days from Creatinine Pre-Op Labs to Operation	Days from pre-operative Creatinine to initial bariatric surgery operation date	46		Values capped between 0 and 90
56	HEMO	Num	Pre-Op Hemoglobin A1c Value	Variable Name: Preoperative Lab Value Information	46		Values capped between 4 and 20
57	DPRHEMO	Num	Days from Hemoglobin A1c Pre-Op Labs to Operation	Days from pre-operative Hemoglobin A1c to initial bariatric surgery operation date	46		Values capped between 0 and 90
	70	•			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 50	Yes; No N.O.T.E.S. (Natural Orifice Transluminal Endoscopic Surgery) Single Incision	
	APPROACH_CONVERTED CONVERSION	Char	Procedure converted to another approach	Variable Name: Was the Principal Operative Procedure converted to another approach?	51 51	Robotic-assisted Conventional laparoscopic (thoracoscopic) Laparoscopic assisted (thoracoscopic assisted) Hand-assisted Open Yes; No Single Incision Robotic-assisted Conventional laparoscopic (thoracoscopic) Laparoscopic assisted (thoracoscopic assisted) Hand-assisted	
	BOUGIE SIZE	Num	Sleeve Bougie Size	Variable Name: Bougie (or sizing device) size for Gastric Sleeve	55	Open	
63	DOUGIE_GIZE	INUIII	Glosve Dougle Gize	variable Name. Dougle (or sizing device) size (Of Gastric Sieeve	55	1 = French	
						2 = cm	
	PYLORUS_DISTANCE STAPLE_LINE_REINFORCEMENT	Num Char	Sleeve Distance to Pylorus Sleeve Staple Line Reinforcement	Variable Name: Distance from the Pylorus (in cm) for Gastric Sleeve Variable Name: Staple Line Reinforcement for Gastric Sleeve	56 57	Yes; No	
	OVERSEW DRAIN_PLACED	Char Char	Sleeve Oversew Drain placed at the time of the initial	Variable Name: Oversew for Gastric Sleeve Variable Name: Was a Drain Placed at Time of the Initial Operation	58 52	Yes; No Yes; No	
			operation	Variable Name: Was a Swallow Study Performed the Day of or the Day After the Procedure		Yes, routine Yes, selective No	
70	ANASTOMOSIS_CHECKED	Char	Anastomosis/staple line checked w/provocative test to assess for leak	Variable Name: Was the Anastomosis Checked with a Provocative Test to Assess for a Leak	54 49	No Yes No N/A ASA 1 - No Disturb ASA 2 - Mild Disturb ASA 3 - Severe Disturbance ASA 4 - Life Threatening ASA 5 - Moribund None Assigned	
	OTHCPT1		Other CPT 1	Variable Name: Other Procedure	59	-	
	OTHCPT2	Char	Other CPT 2	Variable Name: Other Procedure			
	OTHCPT3 OTHCPT4	Char Char	Other CPT 3 Other CPT 4	Variable Name: Other Procedure Variable Name: Other Procedure			
	OTHCP14 OTHCPT5		Other CPT 4 Other CPT 5	Variable Name: Other Procedure Variable Name: Other Procedure			
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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		
					Deminions		
77	OTHCPT6	Char	Other CPT 6	Variable Name: Other Procedure			
78	OTHCPT7		Other CPT 7	Variable Name: Other Procedure			
79			Other CPT 8	Variable Name: Other Procedure	=		
80	OTHCPT9		Other CPT 9	Variable Name: Other Procedure			
81	OTHCPT10	Char	Other CPT 10	Variable Name: Other Procedure			
82	CONCPT1	Char	Concurrent CPT 1	Variable Name: Concurrent Procedure	60		
83	CONCPT2	Char	Concurrent CPT 2	Variable Name: Concurrent Procedure			
84	CONCPT3	Char	Concurrent CPT 3	Variable Name: Concurrent Procedure			
04					_		
85	CONCPT4	Char	Concurrent CPT 4	Variable Name: Concurrent Procedure			
86	CONCPT5	Char	Concurrent CPT 5	Variable Name: Concurrent Procedure			
87	CONCPT6	Char	Concurrent CPT 6	Variable Name: Concurrent Procedure			
	CONCPT7	Char	Concurrent CPT 7	Variable Name: Concurrent Procedure			
88							
89	CONCPT8		Concurrent CPT 8	Variable Name: Concurrent Procedure			
90	CONCPT9	Char	Concurrent CPT 9	Variable Name: Concurrent Procedure			
91	CONCPT10	Char	Concurrent CPT 10	Variable Name: Concurrent Procedure			
92	DTOP	Num	Days to operation from hospital admit	Days to initial bariatric or metabolic surgery operation date from hospital admission date			Values capped between 0 and 30
32	DIOF	Nulli	Days to operation from nospital autilit	Days to illust bariatic of metabolic surgery operation date from nospital autilission date			values capped between 0 and 30
	DETRICOLL OR	ļ.,			+	1	11
	DTDISCH_OP		Days to discharge from operation	Days to hospital discharge from initial bariatric or metabolic surgery date			Values capped between 0 and 150
	DTDISCH_ADMIT		Days to discharge from hospital admit	Days to hospital discharge from hospital admission date			Values capped between 0 and 150
	DTDEATH_OP	Num	Days to death from operation	Days to death from initial bariatric surgery operation date	1		Values capped between 0 and 30
96	DTASSESS_OP	Num		Days to death hom mittal bariatile sargery operation date Days to post-operative assessment from initial bariatric surgery operation date	1	<u> </u>	Values capped between 0 and 30
90	DIAGGEGG_UP	NUITI	Days to Post-Op assessment from	Days to post-operative assessment from initial parlatric surgery operation date			values capped between 0 and 30
			operation				
97	OPYEAR	Num	Year of Operation	Year of initial bariatric or metabolic surgery			
98			Operation Length (minutes)	Length of bariatric/metabolic surgery, in minutes			Values capped between 1 and 720
		Char	Anasthasia Tuna		15	Manitared anaethosis save (MAC)/IV/ Cc 1-1-1	
99	ANESTYPE	Char	Anesthesia Type	Variable Name: Anesthesia Type	15	Monitored anesthesia care (MAC)/IV Sedation	If CPTUNLISTED_BALLOON = 0 then this variable
		l				General	will be missing
1		l			1	Unknown	
						Other	
						None	-
100	SURGSPECIALTY_BAR	Char	Medical specialty of the physician	Variable Name: Medical Specialist	16	Metabolic and Bariatric Surgeon	
			performing the principal operative			General Surgeon	
			procedure			Gastroenterologist	-
			procedure			Other Healthcare Professional	
						Interventional Radiologist	
101	ACTERENALFAILURE	Char	Acute Renal Failure	Variable Name: Postoperative Progressive Renal Insufficiency/ Postoperative Acute Renal	80	Yes; No	
_				Failure Requiring Dialysis			
102	CARDIACARRESTCPR	Char	Intra-Op or Post-Op Cardiac Arrest	Variable Name: Intraoperative or Postoperative Cardiac Arrest Requiring CPR	85	Yes; No	
102	CARDIACARRESTOR	Chai	initia-Op of Post-Op Cardiac Arrest	variable Name. Intraoperative of Postoperative Cardiac Arrest Requiring CPR	00	res, No	
			Requiring CPR				
103	COMA24HOURS	Char	Coma > 24 hours	Variable Name: Postoperative Coma >24 Hours	98	Yes; No	
104	CVA	Char	Stroke/CVA	Variable Name: Intraoperative or Postoperative Stroke/Cerebral Vascular Accident (CVA)	84	Yes; No	
104	· · · ·	Onai	0.101.0,077	variable mane. Intrasperative of 1 detection detection variable mane.	٠.	100,110	
	000700005500000000000000000000000000000			N			
105	POSTOPDEEPINCISIONALSSI	Num	Number of Post-Op Deep Incisional SSI	Variable Name: Deep Incisional SSI	65		
			occurrences				
106	DSSIPATOS	Char	Deep Incisional SSI PATOS	Variable Name: Deep Incisional SSI – PATOS	66	Yes; No	
107	MYOCARDIALINFR	Char	Intra-op or Post-op Myocardial Infarction	Variable Name: Intraoperative or Postoperative Myocardial Infarction	86	Yes; No	
107			mad op or root op myodardidi midrotton	variable mane. Intraperative of a determination in the state of the st	00	1 00, 110	
108							
	POSTOPVENTILATOR	Num	Number of On Ventilator > 48 hours	Variable Name: Postoperative On Ventilator > 48 Hours	78		
	POSTOPVENTILATOR	Num	Number of On Ventilator > 48 hours occurrences	Variable Name: Postoperative On Ventilator > 48 Hours	78		
	POSTOPVENTILATOR VENTPATOS	Num	occurrences		78 79	Yes: No	
109	VENTPATOS	Char	occurrences Ventilator > 48 hours PATOS	Variable Name: On Ventilator > 48 Hours – PATOS		Yes; No	
			occurrences Ventilator > 48 hours PATOS Number of Post-Op Organ/Space SSI			Yes; No	
109 110	VENTPATOS POSTOPORGANSPACESSI	Char Num	occurrences Ventilator > 48 hours PATOS Number of Post-Op Organ/Space SSI occurrences	Variable Name: On Ventilator > 48 Hours – PATOS Variable Name: Organ/Space SSI			
109 110	VENTPATOS POSTOPORGANSPACESSI OSSIPATOS	Char	occurrences Ventilator > 48 hours PATOS Number of Post-Op Organ/Space SSI	Variable Name: On Ventilator > 48 Hours – PATOS		Yes; No Yes; No	
109 110	VENTPATOS POSTOPORGANSPACESSI	Char Num	occurrences Ventilator > 48 hours PATOS Number of Post-Op Organ/Space SSI occurrences Organ/Space SSI PATOS	Variable Name: On Ventilator > 48 Hours – PATOS Variable Name: Organ/Space SSI			
109 110	VENTPATOS POSTOPORGANSPACESSI OSSIPATOS	Char Num Char	occurrences Ventilator > 48 hours PATOS Number of Post-Op Organ/Space SSI occurrences Organ/Space SSI PATOS Number of Post-Op Pneumonia	Variable Name: On Ventilator > 48 Hours – PATOS Variable Name: Organ/Space SSI Variable Name: Organ/Space SSI – PATOS	79 67 69		
109 110 111 111 112	VENTPATOS POSTOPORGANSPACESSI OSSIPATOS POSTOPPNEUMONIA	Char Num Char Num	occurrences Ventilator > 48 hours PATOS Number of Post-Op Organ/Space SSI occurrences Organ/Space SSI PATOS Number of Post-Op Pneumonia occurrences	Variable Name: On Ventilator > 48 Hours – PATOS Variable Name: Organ/Space SSI Variable Name: Organ/Space SSI – PATOS Variable Name: Postoperative Pneumonia	79 67 69 71	Yes; No	
109 110 111 111 112	VENTPATOS POSTOPORGANSPACESSI OSSIPATOS POSTOPPNEUMONIA PNAPATOS	Char Num Char Num Char	occurrences Ventilator > 48 hours PATOS Number of Post-Op Organ/Space SSI occurrences Organ/Space SSI PATOS Number of Post-Op Pneumonia occurrences Pneumonia PATOS	Variable Name: On Ventilator > 48 Hours – PATOS Variable Name: Organ/Space SSI Variable Name: Organ/Space SSI – PATOS Variable Name: Postoperative Pneumonia Variable Name: Pneumonia – PATOS	79 67 69 71	Yes; No Yes; No	
109 110 111 111 112 113 114	VENTPATOS POSTOPORGANSPACESSI OSSIPATOS POSTOPPNEUMONIA PNAPATOS PREIFNEVINJ	Char Num Char Num Char Char	occurrences Ventilator > 48 hours PATOS Number of Post-Op Organ/Space SSI occurrences Organ/Space SSI PATOS Number of Post-Op Pneumonia occurrences Pneumonia PATOS Peripheral Nerve Injury	Variable Name: On Ventilator > 48 Hours – PATOS Variable Name: Organ/Space SSI Variable Name: Organ/Space SSI – PATOS Variable Name: Postoperative Pneumonia Variable Name: Pneumonia – PATOS Variable Name: Postoperative Peripheral Nerve Injury	79 67 69 71 72 99	Yes; No Yes; No Yes; No	
109 110 111 111 112	VENTPATOS POSTOPORGANSPACESSI OSSIPATOS POSTOPPNEUMONIA PNAPATOS	Char Num Char Num Char	occurrences Ventilator > 48 hours PATOS Number of Post-Op Organ/Space SSI occurrences Organ/Space SSI PATOS Number of Post-Op Pneumonia occurrences Pneumonia PATOS	Variable Name: On Ventilator > 48 Hours – PATOS Variable Name: Organ/Space SSI Variable Name: Organ/Space SSI – PATOS Variable Name: Postoperative Pneumonia Variable Name: Pneumonia – PATOS	79 67 69 71	Yes; No Yes; No	
109 110 111 111 112 113 114	VENTPATOS POSTOPORGANSPACESSI OSSIPATOS POSTOPPNEUMONIA PNAPATOS PREIFNEVINJ	Char Num Char Num Char Char	occurrences Ventilator > 48 hours PATOS Number of Post-Op Organ/Space SSI occurrences Organ/Space SSI PATOS Number of Post-Op Pneumonia occurrences Pneumonia PATOS Peripheral Nerve Injury	Variable Name: On Ventilator > 48 Hours – PATOS Variable Name: Organ/Space SSI Variable Name: Organ/Space SSI – PATOS Variable Name: Postoperative Pneumonia Variable Name: Pneumonia – PATOS Variable Name: Postoperative Peripheral Nerve Injury Variable Name: Postoperative Progressive Renal Insufficiency/ Postoperative Acute Renal	79 67 69 71 72 99	Yes; No Yes; No Yes; No	
109 110 111 112 113 114 115	VENTPATOS POSTOPORGANSPACESSI OSSIPATOS POSTOPPNEUMONIA PNAPATOS PREIFNRVINJ PROGRSRENALINSUF	Char Num Char Num Char Char Char	occurrences Ventilator > 48 hours PATOS Number of Post-Op Organ/Space SSI occurrences Organ/Space SSI PATOS Number of Post-Op Pneumonia occurrences Pneumonia PATOS Peripheral Nerve Injury Progressive Renal Insufficiency	Variable Name: On Ventilator > 48 Hours – PATOS Variable Name: Organ/Space SSI Variable Name: Organ/Space SSI – PATOS Variable Name: Postoperative Pneumonia Variable Name: Pneumonia – PATOS Variable Name: Postoperative Peripheral Nerve Injury Variable Name: Postoperative Progressive Renal Insufficiency/ Postoperative Acute Renal Failure Requiring Dialysis	79 67 69 71 72 99 80	Yes; No Yes; No Yes; No Yes; No	
109 110 111 112 113 114 115	VENTPATOS POSTOPORGANSPACESSI OSSIPATOS POSTOPPNEUMONIA PNAPATOS PREIFNRVINJ PROGRSRENALINSUF PULMONARYEMBOLSM	Char Num Char Num Char Char Char	occurrences Ventilator y 48 hours PATOS Number of Post-Op Organ/Space SSI occurrences Organ/Space SSI PATOS Number of Post-Op Pneumonia occurrences Pneumonia PATOS Peripheral Nerve Injury Progressive Renal Insufficiency	Variable Name: On Ventilator > 48 Hours – PATOS Variable Name: Organ/Space SSI Variable Name: Organ/Space SSI – PATOS Variable Name: Postoperative Pneumonia Variable Name: Pneumonia – PATOS Variable Name: Postoperative Peripheral Nerve Injury Variable Name: Postoperative Progressive Renal Insufficiency/ Postoperative Acute Renal Failure Requiring Dialysis Variable Name: Postoperative Pulmonary Embolism	79 67 69 71 72 99 80	Yes; No Yes; No Yes; No	
109 110 111 112 113 114 115	VENTPATOS POSTOPORGANSPACESSI OSSIPATOS POSTOPPNEUMONIA PNAPATOS PREIFNRVINJ PROGRSRENALINSUF	Char Num Char Num Char Char Char	occurrences Ventilator > 48 hours PATOS Number of Post-Op Organ/Space SSI occurrences Organ/Space SSI PATOS Number of Post-Op Pneumonia occurrences Pneumonia PATOS Peripheral Nerve Injury Progressive Renal Insufficiency	Variable Name: On Ventilator > 48 Hours – PATOS Variable Name: Organ/Space SSI Variable Name: Organ/Space SSI – PATOS Variable Name: Postoperative Pneumonia Variable Name: Pneumonia – PATOS Variable Name: Postoperative Peripheral Nerve Injury Variable Name: Postoperative Progressive Renal Insufficiency/ Postoperative Acute Renal Failure Requiring Dialysis	79 67 69 71 72 99 80	Yes; No Yes; No Yes; No Yes; No	
109 110 111 112 113 114 115 116 117	VENTPATOS POSTOPORGANSPACESSI OSSIPATOS POSTOPPNEUMONIA PNAPATOS PREIFNRVINJ PROGRSRENALINSUF PULMONARYEMBOLSM POSTOPSEPSIS	Char Num Char Num Char Char Char Char Char	occurrences Vertilator : 48 hours PATOS Number of Post-Op Organ/Space SSI occurrences Organ/Space SSI PATOS Number of Post-Op Pneumonia occurrences Pneumonia PATOS Peripheral Nerve Injury Progressive Renal Insufficiency	Variable Name: On Ventilator > 48 Hours – PATOS Variable Name: Organ/Space SSI Variable Name: Organ/Space SSI – PATOS Variable Name: Postoperative Pneumonia Variable Name: Pesuporative Pneumonia Variable Name: Postoperative Peripheral Nerve Injury Variable Name: Postoperative Progressive Renal Insufficiency/ Postoperative Acute Renal Failure Requiring Dialysis Variable Name: Postoperative Pulmonary Embolism Variable Name: Postoperative Pulmonary Embolism Variable Name: Postoperative Sepsis	79 67 69 71 72 99 80	Yes; No Yes; No Yes; No Yes; No Yes; No	
109 110 111 112 113 114 115	VENTPATOS POSTOPORGANSPACESSI OSSIPATOS POSTOPPNEUMONIA PNAPATOS PREIFNRVINJ PROGRSRENALINSUF PULMONARYEMBOLSM	Char Num Char Num Char Char Char	occurrences Ventilator y 48 hours PATOS Number of Post-Op Organ/Space SSI occurrences Organ/Space SSI PATOS Number of Post-Op Pneumonia occurrences Pneumonia PATOS Peripheral Nerve Injury Progressive Renal Insufficiency	Variable Name: On Ventilator > 48 Hours – PATOS Variable Name: Organ/Space SSI Variable Name: Organ/Space SSI – PATOS Variable Name: Postoperative Pneumonia Variable Name: Pneumonia – PATOS Variable Name: Postoperative Peripheral Nerve Injury Variable Name: Postoperative Progressive Renal Insufficiency/ Postoperative Acute Renal Failure Requiring Dialysis Variable Name: Postoperative Pulmonary Embolism	79 67 69 71 72 99 80	Yes; No Yes; No Yes; No Yes; No	
109 110 111 112 113 114 115 116 117	VENTPATOS POSTOPORGANSPACESSI OSSIPATOS POSTOPPNEUMONIA PNAPATOS PREIFINEVINJ PROGRSRENALINSUF PULMONARYEMBOLSM POSTOPSEPSIS SEPSISPATOS	Char Num Char Num Char Char Char Char Char Num	occurrences Ventilator > 48 hours PATOS Number of Post-Op Organ/Space SSI occurrences Organ/Space SSI PATOS Number of Post-Op Pneumonia occurrences Pneumonia PATOS Peripheral Nerve Injury Progressive Renal Insufficiency Pulmonary Embolism Number of Post-Op Sepsis Occurrences Sepsis PATOS	Variable Name: On Ventilator > 48 Hours – PATOS Variable Name: Organ/Space SSI Variable Name: Organ/Space SSI – PATOS Variable Name: Postoperative Pneumonia Variable Name: Postoperative Pneumonia Variable Name: Postoperative Peripheral Nerve Injury Variable Name: Postoperative Progressive Renal Insufficiency/ Postoperative Acute Renal Failure Requiring Dialysis Variable Name: Postoperative Pulmonary Embolism Variable Name: Postoperative Psicoperative Pulmonary Embolism Variable Name: Postoperative Sepsis Variable Name: Sepsis – PATOS	79 67 69 71 72 99 80 77 92	Yes; No Yes; No Yes; No Yes; No Yes; No	
109 110 111 112 113 114 115 116 117	VENTPATOS POSTOPORGANSPACESSI OSSIPATOS POSTOPPNEUMONIA PNAPATOS PREIFNRVINJ PROGRSRENALINSUF PULMONARYEMBOLSM POSTOPSEPSIS	Char Num Char Num Char Char Char Char Char Num	occurrences Ventilator > 48 hours PATOS Number of Post-Op Organ/Space SSI occurrences Organ/Space SSI PATOS Number of Post-Op Pneumonia occurrences Pneumonia PATOS Peripheral Nerve Injury Progressive Renal Insufficiency Pulmonary Embolism Number of Post-Op Sepsis Occurrences Sepsis PATOS Number of Post-Op Sepsis Occurrences Sepsis PATOS Number of Post-Op Septic Shock	Variable Name: On Ventilator > 48 Hours – PATOS Variable Name: Organ/Space SSI Variable Name: Organ/Space SSI – PATOS Variable Name: Postoperative Pneumonia Variable Name: Pesuporative Pneumonia Variable Name: Postoperative Peripheral Nerve Injury Variable Name: Postoperative Progressive Renal Insufficiency/ Postoperative Acute Renal Failure Requiring Dialysis Variable Name: Postoperative Pulmonary Embolism Variable Name: Postoperative Pulmonary Embolism Variable Name: Postoperative Sepsis	79 67 69 71 72 99 80	Yes; No Yes; No Yes; No Yes; No Yes; No	
109 110 111 112 113 114 115 116 117 118 119	VENTPATOS POSTOPORGANSPACESSI OSSIPATOS POSTOPPNEUMONIA PNAPATOS PREIFNRVINJ PROGRSRENALINSUF PULMONARYEMBOLSM POSTOPSEPSIS SEPSISPATOS POSTOPSEPTICSHOCK	Char Num Char Num Char Char Char Char Num Char	occurrences Ventilator > 48 hours PATOS Number of Post-Op Organ/Space SSI occurrences Organ/Space SSI PATOS Number of Post-Op Pneumonia occurrences Pneumonia PATOS Peripheral Nerve Injury Progressive Renal Insufficiency Pulmonary Embolism Number of Post-Op Sepsis Occurrences Sepsis PATOS Number of Post-Op Septic Shock Occurrences	Variable Name: On Ventilator > 48 Hours – PATOS Variable Name: Organ/Space SSI Variable Name: Organ/Space SSI – PATOS Variable Name: Postoperative Pneumonia Variable Name: Postoperative Pneumonia Variable Name: Postoperative Preipheral Nerve Injury Variable Name: Postoperative Progressive Renal Insufficiency/ Postoperative Acute Renal Failure Requiring Dialysis Variable Name: Postoperative Pulmonary Embolism Variable Name: Postoperative Sepsis Variable Name: Postoperative Sepsis Variable Name: Postoperative Sepsis	79 67 69 71 72 99 80 77 92 95 96	Yes; No Yes; No Yes; No Yes; No Yes; No Yes; No	
109 1110 1111 1112 1113 1114 1115 1116 117 118 119	VENTPATOS POSTOPORGANSPACESSI OSSIPATOS POSTOPPNEUMONIA PNAPATOS PREIFIREVINU PROGRSRENALINSUF PULMONARYEMBOLSM POSTOPSEPSIS SEPSISPATOS POSTOPSEPTICSHOCK SEPSHOCKPATOS	Char Num Char Num Char Char Char Char Num	occurrences Ventilator > 48 hours PATOS Number of Post-Op Organ/Space SSI occurrences Organ/Space SSI PATOS Number of Post-Op Pneumonia occurrences Pneumonia PATOS Peripheral Nerve Injury Progressive Renal Insufficiency Pulmonary Embolism Number of Post-Op Sepsis Occurrences Sepsis PATOS Number of Post-Op Septic Shock Occurrences Septic Shock PATOS	Variable Name: On Ventilator > 48 Hours – PATOS Variable Name: Organ/Space SSI Variable Name: Organ/Space SSI – PATOS Variable Name: Postoperative Pneumonia Variable Name: Postoperative Pneumonia Variable Name: Postoperative Peripheral Nerve Injury Variable Name: Postoperative Progressive Renal Insufficiency/ Postoperative Acute Renal Failure Requiring Dialysis Variable Name: Postoperative Pulmonary Embolism Variable Name: Postoperative Sepsis Variable Name: Sepsis – PATOS Variable Name: Sepsis – PATOS Variable Name: Postoperative Septic Shock Variable Name: Septic Shock – PATOS	79 67 69 71 72 99 80 77 92 95 96	Yes; No Yes; No Yes; No Yes; No Yes; No	
109 110 111 112 113 114 115 116 117 118 119	VENTPATOS POSTOPORGANSPACESSI OSSIPATOS POSTOPPNEUMONIA PNAPATOS PREIFIREVINU PROGRSRENALINSUF PULMONARYEMBOLSM POSTOPSEPSIS SEPSISPATOS POSTOPSEPTICSHOCK SEPSHOCKPATOS	Char Num Char Num Char Char Char Char Num	occurrences Ventilator > 48 hours PATOS Number of Post-Op Organ/Space SSI occurrences Organ/Space SSI PATOS Number of Post-Op Pneumonia occurrences Pneumonia PATOS Peripheral Nerve Injury Progressive Renal Insufficiency Pulmonary Embolism Number of Post-Op Sepsis Occurrences Sepsis PATOS Number of Post-Op Septic Shock Occurrences	Variable Name: On Ventilator > 48 Hours – PATOS Variable Name: Organ/Space SSI Variable Name: Organ/Space SSI – PATOS Variable Name: Postoperative Pneumonia Variable Name: Postoperative Pneumonia Variable Name: Postoperative Preipheral Nerve Injury Variable Name: Postoperative Progressive Renal Insufficiency/ Postoperative Acute Renal Failure Requiring Dialysis Variable Name: Postoperative Pulmonary Embolism Variable Name: Postoperative Sepsis Variable Name: Postoperative Sepsis Variable Name: Postoperative Sepsis	79 67 69 71 72 99 80 77 92 95 96	Yes; No Yes; No Yes; No Yes; No Yes; No Yes; No	
109 1110 1111 1112 1113 1114 1115 1116 117 118 119	VENTPATOS POSTOPORGANSPACESSI OSSIPATOS POSTOPPNEUMONIA PNAPATOS PREIFIREVINU PROGRSRENALINSUF PULMONARYEMBOLSM POSTOPSEPSIS SEPSISPATOS POSTOPSEPTICSHOCK SEPSHOCKPATOS	Char Num Char Num Char Char Char Char Num	occurrences Ventilator > 48 hours PATOS Number of Post-Op Organ/Space SSI occurrences Organ/Space SSI PATOS Number of Post-Op Pneumonia occurrences Pneumonia PATOS Peripheral Nerve Injury Progressive Renal Insufficiency Pulmonary Embolism Number of Post-Op Sepsis Occurrences Sepsis PATOS Number of Post-Op Septic Shock Occurrences Septic Shock PATOS	Variable Name: On Ventilator > 48 Hours – PATOS Variable Name: Organ/Space SSI Variable Name: Organ/Space SSI – PATOS Variable Name: Postoperative Pneumonia Variable Name: Postoperative Pneumonia Variable Name: Postoperative Peripheral Nerve Injury Variable Name: Postoperative Progressive Renal Insufficiency/ Postoperative Acute Renal Failure Requiring Dialysis Variable Name: Postoperative Pulmonary Embolism Variable Name: Postoperative Sepsis Variable Name: Sepsis – PATOS Variable Name: Sepsis – PATOS Variable Name: Postoperative Septic Shock Variable Name: Septic Shock – PATOS	79 67 69 71 72 99 80 77 92 95 96	Yes; No Yes; No Yes; No Yes; No Yes; No Yes; No	
1109 1110 1111 1112 113 114 115 116 117 118 119 120 121	VENTPATOS POSTOPORGANSPACESSI OSSIPATOS POSTOPPNEUMONIA PNAPATOS PREIFINEVINJ PROGRSRENALINSUF PULMONARYEMBOLSM POSTOPSEPSIS SEPSISPATOS POSTOPSEPTICSHOCK SEPSHOCKPATOS POSTOPSUPERFICIALINCISIONAL SSI	Char Num Char Char Char Char Char Char Num Char Num Char Num Char Num	occurrences Ventilator > 48 hours PATOS Number of Post-Op Organ/Space SSI occurrences Organ/Space SSI PATOS Number of Post-Op Pneumonia occurrences Pneumonia PATOS Peripheral Nerve Injury Progressive Renal Insufficiency Pulmonary Embolism Number of Post-Op Sepsis Occurrences Sepsis PATOS Number of Post-Op Septic Shock Occurrences Septic Shock PATOS Number of Post-Op Superficial Incisional SSI occurrences	Variable Name: On Ventilator > 48 Hours – PATOS Variable Name: Organ/Space SSI Variable Name: Organ/Space SSI – PATOS Variable Name: Postoperative Pneumonia Variable Name: Postoperative Pneumonia Variable Name: Postoperative Peripheral Nerve Injury Variable Name: Postoperative Progressive Renal Insufficiency/ Postoperative Acute Renal Failure Requiring Dialysis Variable Name: Postoperative Pulmonary Embolism Variable Name: Postoperative Sepsis Variable Name: Sepsis – PATOS Variable Name: Postoperative Septic Shock Variable Name: Septic Shock – PATOS Variable Name: Septic Shock – PATOS Variable Name: Superficial Incisional SSI	79 67 69 71 72 99 80 77 92 95 96 97 62	Yes; No	
1109 1110 1111 112 113 114 115 116 117 118 119 120 121	VENTPATOS POSTOPORGANSPACESSI OSSIPATOS POSTOPPNEUMONIA PNAPATOS PREIFINRVINI PROGRSRENALINSUF PULMONARYEMBOLSM POSTOPSEPSIS SEPSISPATOS POSTOPSEPTICSHOCK SEPSHOCKPATOS POSTOPSUPERFICIALINCISIONAL SSI SSSIPATOS	Char Num Char Char Char Char Char Char Num	occurrences Vertilator v. 48 hours PATOS Number of Post-Op Organ/Space SSI occurrences Organ/Space SSI PATOS Number of Post-Op Pneumonia occurrences Organ/Space SSI PATOS Number of Post-Op Pneumonia occurrences Pneumonia PATOS Peripheral Nerve Injury Progressive Renal Insufficiency Pulmonary Embolism Number of Post-Op Sepsis Occurrences Sepsis PATOS Sepsis PATOS Septic Shock PATOS Septic Shock PATOS Superficial Incisional SSI occurrences	Variable Name: On Ventilator > 48 Hours – PATOS Variable Name: Organ/Space SSI Variable Name: Organ/Space SSI – PATOS Variable Name: Postoperative Pneumonia Variable Name: Postoperative Properative Injury Variable Name: Postoperative Peripheral Nerve Injury Variable Name: Postoperative Progressive Renal Insufficiency/ Postoperative Acute Renal Failure Requiring Dialysis Variable Name: Postoperative Pulmonary Embolism Variable Name: Postoperative Sepsis Variable Name: Sepsis – PATOS Variable Name: Sepsis – PATOS Variable Name: Sepsis – PATOS Variable Name: Septic Shock – PATOS Variable Name: Septic Shock – PATOS Variable Name: Superficial Incisional SSI Variable Name: Superficial Incisional SSI	79 67 69 71 72 99 80 77 92 95 96 97 62	Yes; No	
1109 1110 1111 1112 113 114 115 116 117 118 119 120 121	VENTPATOS POSTOPORGANSPACESSI OSSIPATOS POSTOPPNEUMONIA PNAPATOS PREIFINEVINJ PROGRSRENALINSUF PULMONARYEMBOLSM POSTOPSEPSIS SEPSISPATOS POSTOPSEPTICSHOCK SEPSHOCKPATOS POSTOPSUPERFICIALINCISIONAL SSI	Char Num Char Char Char Char Char Char Num Char Num Char Num Char Num	occurrences Ventilator 7 48 hours PATOS Number of Post-Op Organ/Space SSI occurrences Organ/Space SSI PATOS Number of Post-Op Pneumonia occurrences Pneumonia PATOS Peripheral Nerve Injury Progressive Renal Insufficiency Pulmonary Embolism Number of Post-Op Sepsis Occurrences Sepsis PATOS Number of Post-Op Sepsis Occurrences Septic Shock PATOS Number of Post-Op Superficial Incisional SSI occurrences Superficial Incisional SSI PATOS Tiransfusion Intra-op/Post-Op (7th of	Variable Name: On Ventilator > 48 Hours – PATOS Variable Name: Organ/Space SSI Variable Name: Organ/Space SSI – PATOS Variable Name: Postoperative Pneumonia Variable Name: Postoperative Pneumonia Variable Name: Postoperative Peripheral Nerve Injury Variable Name: Postoperative Progressive Renal Insufficiency/ Postoperative Acute Renal Failure Requiring Dialysis Variable Name: Postoperative Pulmonary Embolism Variable Name: Postoperative Sepsis Variable Name: Sepsis – PATOS Variable Name: Postoperative Septic Shock Variable Name: Septic Shock – PATOS Variable Name: Septic Shock – PATOS Variable Name: Superficial Incisional SSI	79 67 69 71 72 99 80 77 92 95 96 97 62	Yes; No	
109 110 111 112 113 114 115 116 117 118 119 120 121 122 123	VENTPATOS POSTOPORGANSPACESSI OSSIPATOS POSTOPPNEUMONIA PNAPATOS PREIFNRVINJ PROGRSRENALINSUF PULMONARYEMBOLSM POSTOPSEPSIS SEPSISPATOS POSTOPSEPTICSHOCK SEPSHOCKPATOS POSTOPSUPERFICIALINCISIONAL SI SSSIPATOS TRANSFINTOPPSTOP	Char Num Char Num Char Char Char Char Num Char Num Char Num Char	occurrences Vernilator v. 48 hours PATOS Number of Post-Op Organ/Space SSI occurrences Organ/Space SSI PATOS Number of Post-Op Pneumonia occurrences Organ/Space SSI PATOS Number of Post-Op Pneumonia occurrences Pneumonia PATOS Peripheral Nerve Injury Progressive Renal Insufficiency Pulmonary Embolism Number of Post-Op Sepsis Occurrences Sepsis PATOS Number of Post-Op Septic Shock Occurrences Septic Shock PATOS Number of Post-Op Superficial Incisional SSI occurrences Superficial Incisional SSI PATOS Transfusion Intra-op/Post-Op (72h of surgery starter)	Variable Name: On Ventilator > 48 Hours – PATOS Variable Name: Organ/Space SSI Variable Name: Organ/Space SSI – PATOS Variable Name: Postoperative Pneumonia Variable Name: Postoperative Progressive Renal Insufficiency/ Postoperative Acute Renal Failure Requiring Dialysis Variable Name: Postoperative Progressive Renal Insufficiency/ Postoperative Acute Renal Failure Requiring Dialysis Variable Name: Postoperative Pulmonary Embolism Variable Name: Postoperative Sepsis Variable Name: Sepsis – PATOS Variable Name: Sepsis – PATOS Variable Name: Septic Shock – PATOS Variable Name: Superficial Incisional SSI Variable Name: Superficial Incisional SSI – PATOS Variable Name: Superficial Incisional SSI – PATOS Variable Name: Transfusion Intra/Postop (RBC within the First 72 Hrs of Surgery Start Time)	79 67 69 71 72 99 80 77 92 95 96 97 62	Yes; No	
109 110 111 112 113 114 115 116 117 118 119 120 121 122 123	VENTPATOS POSTOPORGANSPACESSI OSSIPATOS POSTOPPNEUMONIA PNAPATOS PREIFNRVINJ PROGRSRENALINSUF PULMONARYEMBOLSM POSTOPSEPSIS SEPSISPATOS POSTOPSEPTICSHOCK SEPSHOCKPATOS POSTOPSUPERFICIALINCISIONAL SI SSSIPATOS TRANSFINTOPPSTOP	Char Num Char Num Char Char Char Char Num Char Num Char Num Char	occurrences Vernilator v. 48 hours PATOS Number of Post-Op Organ/Space SSI occurrences Organ/Space SSI PATOS Number of Post-Op Pneumonia occurrences Organ/Space SSI PATOS Number of Post-Op Pneumonia occurrences Pneumonia PATOS Peripheral Nerve Injury Progressive Renal Insufficiency Pulmonary Embolism Number of Post-Op Sepsis Occurrences Sepsis PATOS Number of Post-Op Septic Shock Occurrences Septic Shock PATOS Number of Post-Op Superficial Incisional SSI occurrences Superficial Incisional SSI PATOS Transfusion Intra-op/Post-Op (72h of surgery starter)	Variable Name: On Ventilator > 48 Hours – PATOS Variable Name: Organ/Space SSI Variable Name: Organ/Space SSI – PATOS Variable Name: Postoperative Pneumonia Variable Name: Postoperative Progressive Renal Insufficiency/ Postoperative Acute Renal Failure Requiring Dialysis Variable Name: Postoperative Progressive Renal Insufficiency/ Postoperative Acute Renal Failure Requiring Dialysis Variable Name: Postoperative Pulmonary Embolism Variable Name: Postoperative Sepsis Variable Name: Sepsis – PATOS Variable Name: Sepsis – PATOS Variable Name: Septic Shock – PATOS Variable Name: Superficial Incisional SSI Variable Name: Superficial Incisional SSI – PATOS Variable Name: Superficial Incisional SSI – PATOS Variable Name: Transfusion Intra/Postop (RBC within the First 72 Hrs of Surgery Start Time)	79 67 69 71 72 99 80 77 92 95 96 97 62	Yes; No	Values capped between 1 and 20. If
109 110 111 112 113 114 115 116 117 118 119 120 121 122 123	VENTPATOS POSTOPORGANSPACESSI OSSIPATOS POSTOPPNEUMONIA PNAPATOS PREIFINRVINI PROGRSRENALINSUF PULMONARYEMBOLSM POSTOPSEPSIS SEPSISPATOS POSTOPSEPTICSHOCK SEPSHOCKPATOS POSTOPSUPERFICIALINCISIONAL SSI SSSIPATOS	Char Num Char Num Char Char Char Char Num Char Num Char Num Char	occurrences Ventilator 7 48 hours PATOS Number of Post-Op Organ/Space SSI occurrences Organ/Space SSI PATOS Number of Post-Op Pneumonia occurrences Pneumonia PATOS Peripheral Nerve Injury Progressive Renal Insufficiency Pulmonary Embolism Number of Post-Op Sepsis Occurrences Sepsis PATOS Number of Post-Op Sepsis Occurrences Septic Shock PATOS Number of Post-Op Superficial Incisional SSI occurrences Superficial Incisional SSI PATOS Tiransfusion Intra-op/Post-Op (7th of	Variable Name: On Ventilator > 48 Hours – PATOS Variable Name: Organ/Space SSI Variable Name: Organ/Space SSI – PATOS Variable Name: Postoperative Pneumonia Variable Name: Postoperative Properative Injury Variable Name: Postoperative Peripheral Nerve Injury Variable Name: Postoperative Progressive Renal Insufficiency/ Postoperative Acute Renal Failure Requiring Dialysis Variable Name: Postoperative Pulmonary Embolism Variable Name: Postoperative Sepsis Variable Name: Sepsis – PATOS Variable Name: Sepsis – PATOS Variable Name: Sepsis – PATOS Variable Name: Septic Shock – PATOS Variable Name: Septic Shock – PATOS Variable Name: Superficial Incisional SSI Variable Name: Superficial Incisional SSI	79 67 69 71 72 99 80 77 92 95 96 97 62	Yes; No	Values capped between 1 and 20. If
109 110 111 112 113 114 115 116 117 118 119 120 121 122 123	VENTPATOS POSTOPORGANSPACESSI OSSIPATOS POSTOPPNEUMONIA PNAPATOS PREIFNRVINJ PROGRSRENALINSUF PULMONARYEMBOLSM POSTOPSEPSIS SEPSISPATOS POSTOPSEPTICSHOCK SEPSHOCKPATOS POSTOPSUPERFICIALINCISIONAL SI SSSIPATOS TRANSFINTOPPSTOP	Char Num Char Num Char Char Char Char Num Char Num Char Num Char	occurrences Vernilator v. 48 hours PATOS Number of Post-Op Organ/Space SSI occurrences Organ/Space SSI PATOS Number of Post-Op Pneumonia occurrences Organ/Space SSI PATOS Number of Post-Op Pneumonia occurrences Pneumonia PATOS Peripheral Nerve Injury Progressive Renal Insufficiency Pulmonary Embolism Number of Post-Op Sepsis Occurrences Sepsis PATOS Number of Post-Op Septic Shock Occurrences Septic Shock PATOS Number of Post-Op Superficial Incisional SSI occurrences Superficial Incisional SSI PATOS Transfusion Intra-op/Post-Op (72h of surgery starter)	Variable Name: On Ventilator > 48 Hours – PATOS Variable Name: Organ/Space SSI Variable Name: Organ/Space SSI – PATOS Variable Name: Postoperative Pneumonia Variable Name: Postoperative Progressive Renal Insufficiency/ Postoperative Acute Renal Failure Requiring Dialysis Variable Name: Postoperative Progressive Renal Insufficiency/ Postoperative Acute Renal Failure Requiring Dialysis Variable Name: Postoperative Pulmonary Embolism Variable Name: Postoperative Sepsis Variable Name: Sepsis – PATOS Variable Name: Sepsis – PATOS Variable Name: Septic Shock – PATOS Variable Name: Superficial Incisional SSI Variable Name: Superficial Incisional SSI – PATOS Variable Name: Superficial Incisional SSI – PATOS Variable Name: Transfusion Intra/Postop (RBC within the First 72 Hrs of Surgery Start Time)	79 67 69 71 72 99 80 77 92 95 96 97 62	Yes; No	TRANSFINTOPPSTOP = "No" then this variable will
109 110 111 112 113 114 115 116 117 118 119 120 120 121 121 122 123	VENTPATOS POSTOPORGANSPACESSI OSSIPATOS POSTOPPNEUMONIA PNAPATOS PREIFNRVINJ PROGRSRENALINSUF PULMONARYEMBOLSM POSTOPSEPSIS SEPSISPATOS POSTOPSEPTICSHOCK SEPSHOCKPATOS POSTOPSUPERFICIALINCISIONAL SSI SSIPATOS TRANSFINTOPPSTOP BLEEDING_UNITS	Char Num Char Char Char Char Char Num Char Char Num	occurrences Ventilator 7 48 hours PATOS Number of Post-Op Organ/Space SSI occurrences Organ/Space SSI PATOS Number of Post-Op Pneumonia occurrences Organ/Space SSI PATOS Number of Post-Op Pneumonia occurrences Pneumonia PATOS Peripheral Nerve Injury Progressive Renal Insufficiency Pulmonary Embolism Number of Post-Op Sepsis Occurrences Sepsis PATOS Number of Post-Op Septic Shock Occurrences Septic Shock PATOS Number of Post-Op Septic Inicisional SSI occurrences Superficial Incisional SSI PATOS Transfusion Intra-op/Post-Op (72h of surgery start time) Number of Units transfused (1-200)	Variable Name: On Ventilator > 48 Hours – PATOS Variable Name: Organ/Space SSI Variable Name: Organ/Space SSI – PATOS Variable Name: Postoperative Pneumonia Variable Name: Postoperative Progressive Renal Insufficiency/ Postoperative Acute Renal Failure Requiring Dialysis Variable Name: Postoperative Prigheral Nerve Injury Variable Name: Postoperative Pulmonary Embolism Variable Name: Postoperative Sepsis Variable Name: Postoperative Sepsis Variable Name: Postoperative Sepsis Variable Name: Sepsis – PATOS Variable Name: Sepsis – PATOS Variable Name: Septic Shock – PATOS Variable Name: Superficial Incisional SSI Variable Name: Superficial Incisional SSI Variable Name: Transfusion Intra/Postop (RBC within the First 72 Hrs of Surgery Start Time) Variable Name: Transfusion Intra/Postop (RBC within the First 72 Hrs of Surgery Start Time)	79 67 69 71 72 99 80 77 92 95 96 96 97 62 64 87 87	Yes; No	Values capped between 1 and 20. If TRANSFINTOPPSTOP = "No" then this variable will be missing
109 110 111 112 113 114 115 116 117 118 119 120 121 122 123	VENTPATOS POSTOPORGANSPACESSI OSSIPATOS POSTOPPNEUMONIA PNAPATOS PREIFNRVINJ PROGRSRENALINSUF PULMONARYEMBOLSM POSTOPSEPSIS SEPSISPATOS POSTOPSEPTICSHOCK SEPSHOCKPATOS POSTOPSUPERFICIALINCISIONAL SI SSSIPATOS TRANSFINTOPPSTOP	Char Num Char Num Char Char Char Char Num Char Num Char Num Char	occurrences Vernilator v. 48 hours PATOS Number of Post-Op Organ/Space SSI occurrences Organ/Space SSI PATOS Number of Post-Op Pneumonia occurrences Organ/Space SSI PATOS Number of Post-Op Pneumonia occurrences Pneumonia PATOS Peripheral Nerve Injury Progressive Renal Insufficiency Pulmonary Embolism Number of Post-Op Sepsis Occurrences Sepsis PATOS Number of Post-Op Septic Shock Occurrences Septic Shock PATOS Number of Post-Op Superficial Incisional SSI occurrences Superficial Incisional SSI PATOS Transfusion Intra-op/Post-Op (72h of surgery starter)	Variable Name: On Ventilator > 48 Hours – PATOS Variable Name: Organ/Space SSI Variable Name: Organ/Space SSI – PATOS Variable Name: Postoperative Pneumonia Variable Name: Postoperative Progressive Renal Insufficiency/ Postoperative Acute Renal Failure Requiring Dialysis Variable Name: Postoperative Progressive Renal Insufficiency/ Postoperative Acute Renal Failure Requiring Dialysis Variable Name: Postoperative Pulmonary Embolism Variable Name: Postoperative Sepsis Variable Name: Sepsis – PATOS Variable Name: Sepsis – PATOS Variable Name: Septic Shock – PATOS Variable Name: Superficial Incisional SSI Variable Name: Superficial Incisional SSI – PATOS Variable Name: Superficial Incisional SSI – PATOS Variable Name: Transfusion Intra/Postop (RBC within the First 72 Hrs of Surgery Start Time)	79 67 69 71 72 99 80 77 92 95 96 97 62	Yes; No	TRANSFINTOPPSTOP = "No" then this variable will
109 110 111 112 113 114 115 116 117 118 119 120 120 121 121 122 123	VENTPATOS POSTOPORGANSPACESSI OSSIPATOS POSTOPPNEUMONIA PNAPATOS PREIFINRVINJ PROGRSRENALINSUF PULMONARYEMBOLSM POSTOPSEPSIS SEPSISPATOS POSTOPSEPTICSHOCK SEPSHOCKPATOS POSTOPSUPERFICIALINCISIONAL SSI SSSIPATOS TRANSFINTOPPSTOP BLEEDING_UNITS	Char Num Char Num Char Char Char Num Char Num Char Num Char Num	occurrences Ventilator > 48 hours PATOS Number of Post-Op Organ/Space SSI occurrences Organ/Space SSI PATOS Number of Post-Op Pneumonia occurrences Pneumonia PATOS Peripheral Nerve Injury Progressive Renal Insufficiency Pulmonary Embolism Number of Post-Op Sepsis Occurrences Sepsis PATOS Number of Post-Op Sepsis Occurrences Sepsis PATOS Number of Post-Op Superficial Incisional SSI occurrences Septic Shock PATOS Number of Post-Op Superficial Incisional SSI occurrences Superficial Incisional SSI PATOS Transfusion Intar-op/Post-Op (72h of surgery start time) Number of Units transfused (1-200)	Variable Name: On Ventilator > 48 Hours – PATOS Variable Name: Organ/Space SSI Variable Name: Organ/Space SSI – PATOS Variable Name: Postoperative Pneumonia Variable Name: Postoperative Pneumonia Variable Name: Postoperative Peripheral Nerve Injury Variable Name: Postoperative Progressive Renal Insufficiency/ Postoperative Acute Renal Failure Requiring Dialysis Variable Name: Postoperative Pulmonary Embolism Variable Name: Postoperative Sepsis Variable Name: Postoperative Sepsis Variable Name: Sepsis – PATOS Variable Name: Sepsis – PATOS Variable Name: Superficial Incisional SSI Variable Name: Superficial Incisional SSI Variable Name: Transfusion Intra/Postop (RBC within the First 72 Hrs of Surgery Start Time) Variable Name: Transfusion Intra/Postop (RBC within the First 72 Hrs of Surgery Start Time) Variable Name: Intraoperative OR Postoperative Unplanned Intubation	79 67 69 71 72 99 80 77 92 95 96 96 97 62 64 87 87	Yes; No	TRANSFINTOPPSTOP = "No" then this variable will
109 110 111 112 113 114 115 116 117 118 119 120 121 122 123	VENTPATOS POSTOPORGANSPACESSI OSSIPATOS POSTOPPNEUMONIA PNAPATOS PREIFNRVINJ PROGRSRENALINSUF PULMONARYEMBOLSM POSTOPSEPSIS SEPSISPATOS POSTOPSEPTICSHOCK SEPSHOCKPATOS POSTOPSUPERFICIALINCISIONAL SSI SSIPATOS TRANSFINTOPPSTOP BLEEDING_UNITS	Char Num Char Char Char Char Char Num Char Char Num	occurrences Vertilator 7 - 48 hours PATOS Number of Post-Op Organ/Space SSI occurrences Organ/Space SSI PATOS Number of Post-Op Pneumonia occurrences Organ/Space SSI PATOS Number of Post-Op Pneumonia occurrences Pneumonia PATOS Peripheral Nerve Injury Progressive Renal Insufficiency Pulmonary Embolism Number of Post-Op Sepsis Occurrences Sepsis PATOS Sepsis PATOS Number of Post-Op Septic Shock Occurrences Septic Shock PATOS Number of Post-Op Superficial Incisional SSI occurrences Superficial Incisional SSI PATOS Transfusion Intra-op/Post-Op (72h of surgery start time) Number of Units transfused (1-200) Unplanned Intubation Number of Post-Op Urinary Tract	Variable Name: On Ventilator > 48 Hours – PATOS Variable Name: Organ/Space SSI Variable Name: Organ/Space SSI – PATOS Variable Name: Postoperative Pneumonia Variable Name: Postoperative Progressive Renal Insufficiency/ Postoperative Acute Renal Failure Requiring Dialysis Variable Name: Postoperative Prigheral Nerve Injury Variable Name: Postoperative Pulmonary Embolism Variable Name: Postoperative Sepsis Variable Name: Postoperative Sepsis Variable Name: Postoperative Sepsis Variable Name: Sepsis – PATOS Variable Name: Sepsis – PATOS Variable Name: Septic Shock – PATOS Variable Name: Superficial Incisional SSI Variable Name: Superficial Incisional SSI Variable Name: Transfusion Intra/Postop (RBC within the First 72 Hrs of Surgery Start Time) Variable Name: Transfusion Intra/Postop (RBC within the First 72 Hrs of Surgery Start Time)	79 67 69 71 72 99 80 77 92 95 96 96 97 62 64 87 87	Yes; No	TRANSFINTOPPSTOP = "No" then this variable will
109 110 111 112 113 114 115 116 117 118 119 120 120 121 121 122 123	VENTPATOS POSTOPORGANSPACESSI OSSIPATOS POSTOPPNEUMONIA PNAPATOS PREIFINRVINJ PROGRSRENALINSUF PULMONARYEMBOLSM POSTOPSEPSIS SEPSISPATOS POSTOPSEPTICSHOCK SEPSHOCKPATOS POSTOPSUPERFICIALINCISIONAL SSI SSSIPATOS BLEEDING_UNITS UNPLINTUBATION POSTOPUTI	Char Num Char Num Char Char Char Char Num Char Num Char Num Char Num	occurrences Ventilator 7 48 hours PATOS Number of Post-Op Organ/Space SSI occurrences Organ/Space SSI PATOS Number of Post-Op Pneumonia occurrences Pneumonia PATOS Peripheral Nerve Injury Progressive Renal Insufficiency Pulmonary Embolism Number of Post-Op Sepsis Occurrences Sepsis PATOS Number of Post-Op Septic Shock Occurrences Septic Shock PATOS Number of Post-Op Superficial Incisional SSI occurrences Superficial Incisional SSI PATOS Transfusion Intra-op/Post-Op (Transfusion Intra-op/Post-Op Superpost Start time) Number of Post-Op Superficial Incisional SSI occurrences Unperficial Incisional SSI PATOS Transfusion Intra-op/Post-Op (Transfusion Intra-op/Pos	Variable Name: On Ventilator > 48 Hours – PATOS Variable Name: Organ/Space SSI Variable Name: Organ/Space SSI – PATOS Variable Name: Postoperative Pneumonia Variable Name: Postoperative Pneumonia Variable Name: Postoperative Progressive Renal Insufficiency/ Postoperative Acute Renal Pailure Requiring Dialysis Variable Name: Postoperative Progressive Renal Insufficiency/ Postoperative Acute Renal Pailure Requiring Dialysis Variable Name: Postoperative Pulmonary Embolism Variable Name: Postoperative Sepsis Variable Name: Postoperative Sepsis Variable Name: Sepsis – PATOS Variable Name: Superficial Incisional SSI Variable Name: Superficial Incisional SSI Variable Name: Transfusion Intra/Postop (RBC within the First 72 Hrs of Surgery Start Time) Variable Name: Transfusion Intra/Postop (RBC within the First 72 Hrs of Surgery Start Time) Variable Name: Intraoperative OR Postoperative Unplanned Intubation Variable Name: Postoperative Urinary Tract Infection	79 67 69 71 72 99 80 77 92 95 96 97 62 64 87 87 87 81	Yes; No	TRANSFINTOPPSTOP = "No" then this variable will
109 110 111 111 112 113 114 115 116 117 118 119 120 121 122 123 124	VENTPATOS POSTOPORGANSPACESSI OSSIPATOS POSTOPPNEUMONIA PNAPATOS PREIFINRVINJ PROGRSRENALINSUF PULMONARYEMBOLSM POSTOPSEPSIS SEPSISPATOS POSTOPSEPTICSHOCK SEPSHOCKPATOS POSTOPSUPERFICIALINCISIONAL SSI SSSIPATOS TRANSFINTOPPSTOP BLEEDING_UNITS UNPLINTUBATION POSTOPUTI UTIPATOS	Char Num Char Num Char Char Char Char Num	occurrences Vernitator v. 48 hours PATOS Number of Post-Op Organ/Space SSI occurrences Organ/Space SSI PATOS Number of Post-Op Pneumonia occurrences Organ/Space SSI PATOS Number of Post-Op Pneumonia occurrences Pneumonia PATOS Peripheral Nerve Injury Progressive Renal Insufficiency Pulmonary Embolism Number of Post-Op Sepsis Occurrences Sepsis PATOS Number of Post-Op Septic Shock Occurrences Septic Shock PATOS Number of Post-Op Superficial Incisional SSI occurrences Superficial Incisional SSI PATOS Transfusion Intra-op/Post-Op (72h of surgery start time) Number of Units transfused (1-200) Unplanned Intubation Number of Post-Op Urinary Tract Infection occurrences Urinary Tract Infection PATOS	Variable Name: On Ventilator > 48 Hours – PATOS Variable Name: Organ/Space SSI Variable Name: Organ/Space SSI – PATOS Variable Name: Postoperative Pneumonia Variable Name: Postoperative Pneumonia Variable Name: Postoperative Progressive Renal Insufficiency/ Postoperative Acute Renal Failure Requiring Dialysis Variable Name: Postoperative Progressive Renal Insufficiency/ Postoperative Acute Renal Failure Requiring Dialysis Variable Name: Postoperative Sepsis Variable Name: Postoperative Sepsis Variable Name: Sepsis – PATOS Variable Name: Sepsis – PATOS Variable Name: Sepsis – PATOS Variable Name: Septic Shock – PATOS 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) Variable Name: Transfusion Intra/Postop (RBC within the First 72 Hrs of Surgery Start Time) Variable Name: Intraoperative OR Postoperative Unplanned Intubation Variable Name: Postoperative Urinary Tract Infection Variable Name: UTI – PATOS	79 67 69 71 72 99 80 77 92 95 96 96 97 62 64 87 75 81 83	Yes; No	TRANSFINTOPPSTOP = "No" then this variable will
109 110 111 112 113 114 115 116 117 118 119 120 120 121 121 122 123	VENTPATOS POSTOPORGANSPACESSI OSSIPATOS POSTOPPNEUMONIA PNAPATOS PREIFINRVINJ PROGRSRENALINSUF PULMONARYEMBOLSM POSTOPSEPSIS SEPSISPATOS POSTOPSEPTICSHOCK SEPSHOCKPATOS POSTOPSUPERFICIALINCISIONAL SSI SSSIPATOS BLEEDING_UNITS UNPLINTUBATION POSTOPUTI	Char Num Char Num Char Char Char Char Num Char Num Char Num Char Num	occurrences Ventilator 7 48 hours PATOS Number of Post-Op Organ/Space SSI occurrences Organ/Space SSI PATOS Number of Post-Op Pneumonia occurrences Organ/Space SSI PATOS Number of Post-Op Pneumonia occurrences Pneumonia PATOS Peripheral Nerve Injury Progressive Renal Insufficiency Pulmonary Embolism Number of Post-Op Sepsis Occurrences Sepsis PATOS Number of Post-Op Septic Shock Occurrences Septic Shock PATOS Number of Post-Op Septic Incisional SSI occurrences Superficial Incisional SSI PATOS Transfusion Intar-op/Post-Op (72h of surgery start time) Number of Ontis transfused (1-200) Unplanned Intubation Number of Post-Op Uninary Tract Infection occurrences Uninary Tract Infection PATOS Post-Op Veninary Tract Infection occurrences Uninary Tract Infection PATOS	Variable Name: On Ventilator > 48 Hours – PATOS Variable Name: Organ/Space SSI Variable Name: Organ/Space SSI – PATOS Variable Name: Postoperative Pneumonia Variable Name: Postoperative Pneumonia Variable Name: Postoperative Progressive Renal Insufficiency/ Postoperative Acute Renal Pailure Requiring Dialysis Variable Name: Postoperative Progressive Renal Insufficiency/ Postoperative Acute Renal Pailure Requiring Dialysis Variable Name: Postoperative Pulmonary Embolism Variable Name: Postoperative Sepsis Variable Name: Postoperative Sepsis Variable Name: Sepsis – PATOS Variable Name: Superficial Incisional SSI Variable Name: Superficial Incisional SSI Variable Name: Transfusion Intra/Postop (RBC within the First 72 Hrs of Surgery Start Time) Variable Name: Transfusion Intra/Postop (RBC within the First 72 Hrs of Surgery Start Time) Variable Name: Intraoperative OR Postoperative Unplanned Intubation Variable Name: Postoperative Urinary Tract Infection	79 67 69 71 72 99 80 77 92 95 96 97 62 64 87 87 87 81	Yes; No	TRANSFINTOPPSTOP = "No" then this variable will
109 110 111 111 112 113 114 115 116 117 118 119 120 121 122 123 124	VENTPATOS POSTOPORGANSPACESSI OSSIPATOS POSTOPPNEUMONIA PNAPATOS PREIFINRVINJ PROGRSRENALINSUF PULMONARYEMBOLSM POSTOPSEPSIS SEPSISPATOS POSTOPSEPTICSHOCK SEPSHOCKPATOS POSTOPSUPERFICIALINCISIONAL SSI SSSIPATOS TRANSFINTOPPSTOP BLEEDING_UNITS UNPLINTUBATION POSTOPUTI UTIPATOS VEINTHROMBREQTER	Char Num Char Num Char Char Char Char Num	occurrences Vernitator v. 48 hours PATOS Number of Post-Op Organ/Space SSI occurrences Organ/Space SSI PATOS Number of Post-Op Pneumonia occurrences Organ/Space SSI PATOS Number of Post-Op Pneumonia occurrences Pneumonia PATOS Peripheral Nerve Injury Progressive Renal Insufficiency Pulmonary Embolism Number of Post-Op Sepsis Occurrences Sepsis PATOS Number of Post-Op Septic Shock Occurrences Septic Shock PATOS Number of Post-Op Superficial Incisional SSI occurrences Superficial Incisional SSI PATOS Transfusion Intra-op/Post-Op (72h of surgery start time) Number of Units transfused (1-200) Unplanned Intubation Number of Post-Op Urinary Tract Infection occurrences Urinary Tract Infection PATOS	Variable Name: On Ventilator > 48 Hours – PATOS Variable Name: Organ/Space SSI Variable Name: Organ/Space SSI – PATOS Variable Name: Postoperative Pneumonia Variable Name: Postoperative Progressive Renal Insufficiency/ Postoperative Acute Renal Failure Requiring Dialysis Variable Name: Postoperative Pulmonary Embolism Variable Name: Postoperative Pulmonary Embolism Variable Name: Postoperative Sepsis Variable Name: Postoperative Sepsis Variable Name: Postoperative Sepsis Variable Name: Sepsis – PATOS Variable Name: Sepsis – PATOS Variable Name: Superficial Incisional SSI Variable Name: Superficial Incisional SSI Variable Name: Transfusion Intra/Postop (RBC within the First 72 Hrs of Surgery Start Time) Variable Name: Transfusion Intra/Postop (RBC within the First 72 Hrs of Surgery Start Time) Variable Name: Intraoperative OR Postoperative Unplanned Intubation Variable Name: Postoperative Urinary Tract Infection Variable Name: Postoperative Urinary Tract Infection Variable Name: UTI – PATOS Variable Name: Postoperative Urinary Tract Infection	79 67 69 71 72 99 80 77 92 95 96 96 97 62 64 87 75 81 83	Yes; No	TRANSFINTOPPSTOP = "No" then this variable will
109 1110 1111 112 113 114 115 116 117 118 119 120 121 122 123 124	VENTPATOS POSTOPORGANSPACESSI OSSIPATOS POSTOPPNEUMONIA PNAPATOS PREIFINRVINJ PROGRSRENALINSUF PULMONARYEMBOLSM POSTOPSEPSIS SEPSISPATOS POSTOPSEPTICSHOCK SEPSHOCKPATOS POSTOPSUPERFICIALINCISIONAL SSI SSSIPATOS TRANSFINTOPPSTOP BLEEDING_UNITS UNPLINTUBATION POSTOPUTI UTIPATOS VEINTHROMBREQTER	Char Num Char Num Char Num Char Char Char Char Num Char Num Char Num Char Num Char Num Char Num Char Char Char Char Char Char Char Char	occurrences Vernitator v. 48 hours PATOS Number of Post-Op Organ/Space SSI occurrences Organ/Space SSI PATOS Number of Post-Op Pneumonia occurrences Organ/Space SSI PATOS Number of Post-Op Pneumonia occurrences Pneumonia PATOS Peripheral Nerve Injury Progressive Renal Insufficiency Pulmonary Embolism Number of Post-Op Sepsis Occurrences Sepsis PATOS Number of Post-Op Septic Shock Occurrences Septic Shock PATOS Number of Post-Op Superficial Incisional SSI occurrences Superficial Incisional SSI PATOS Superficial Incisional SSI PATOS Transfusion Intra-op/Post-Op (72h of surgery start time) Number of Units transfused (1-200) Unplanned Intubation Number of Post-Op Urinary Tract Infection occurrences Post-Op Vein Thrombosis Requiring Therapy Post-Op Vein Thrombosis Requiring Therapy	Variable Name: On Ventilator > 48 Hours – PATOS Variable Name: Organ/Space SSI Variable Name: Organ/Space SSI – PATOS Variable Name: Postoperative Pneumonia Variable Name: Postoperative Progressive Renal Insufficiency/ Postoperative Acute Renal Failure Requiring Dialysis Variable Name: Postoperative Pulmonary Embolism Variable Name: Postoperative Pulmonary Embolism Variable Name: Postoperative Sepsis Variable Name: Postoperative Sepsis Variable Name: Postoperative Sepsis Variable Name: Sepsis – PATOS Variable Name: Sepsis – PATOS Variable Name: Superficial Incisional SSI Variable Name: Superficial Incisional SSI Variable Name: Transfusion Intra/Postop (RBC within the First 72 Hrs of Surgery Start Time) Variable Name: Transfusion Intra/Postop (RBC within the First 72 Hrs of Surgery Start Time) Variable Name: Intraoperative OR Postoperative Unplanned Intubation Variable Name: Postoperative Urinary Tract Infection Variable Name: Postoperative Urinary Tract Infection Variable Name: UTI – PATOS Variable Name: Postoperative Urinary Tract Infection	79 67 69 71 72 99 80 77 92 95 96 97 62 64 87 87 87 88 88 89	Yes; No	TRANSFINTOPPSTOP = "No" then this variable will
109 1110 1111 1112 113 114 115 116 117 118 119 120 121 122 123 124	VENTPATOS POSTOPORGANSPACESSI OSSIPATOS POSTOPPNEUMONIA PNAPATOS PREIFINRVINJ PROGRSRENALINSUF PULMONARYEMBOLSM POSTOPSEPSIS SEPSISPATOS POSTOPSEPTICSHOCK SEPSHOCKPATOS POSTOPSEPTICSHOCK SEPSHOCKPATOS POSTOPSEPTICHALINCISIONAL SSI SSI SSI SSI LEEDING_UNITS UNPLINTUBATION POSTOPUTI UTIPATOS VEINTHROMBREQTER	Char Num Char Num Char Num Char Char Char Char Num Char Num Char Num Char Num Char Num Char Num Char Char Char Char Char Char Char Char	occurrences Ventilator 7 48 hours PATOS Number of Post-Op Organ/Space SSI occurrences Organ/Space SSI PATOS Number of Post-Op Pneumonia occurrences Organ/Space SSI PATOS Number of Post-Op Pneumonia occurrences Pneumonia PATOS Peripheral Nerve Injury Progressive Renal Insufficiency Pulmonary Embolism Number of Post-Op Sepsis Occurrences Sepsis PATOS Number of Post-Op Septic Shock Occurrences Septic Shock PATOS Number of Post-Op Septic Incisional SSI occurrences Superficial Incisional SSI PATOS Transfusion Intar-op/Post-Op (72h of surgery start time) Number of Ontis transfused (1-200) Unplanned Intubation Number of Post-Op Uninary Tract Infection occurrences Uninary Tract Infection PATOS Post-Op Veninary Tract Infection occurrences Uninary Tract Infection PATOS	Variable Name: On Ventilator > 48 Hours – PATOS Variable Name: Organ/Space SSI Variable Name: Organ/Space SSI – PATOS Variable Name: Postoperative Pneumonia Variable Name: Postoperative Pneumonia Variable Name: Postoperative Progressive Renal Insufficiency/ Postoperative Acute Renal Failure Requiring Dialysis Variable Name: Postoperative Progressive Renal Insufficiency/ Postoperative Acute Renal Failure Requiring Dialysis Variable Name: Postoperative Sepsis Variable Name: Postoperative Sepsis Variable Name: Sepsis – PATOS Variable Name: Sepsis – PATOS Variable Name: Sepsis – PATOS Variable Name: Septic Shock – PATOS 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) Variable Name: Transfusion Intra/Postop (RBC within the First 72 Hrs of Surgery Start Time) Variable Name: Intraoperative OR Postoperative Unplanned Intubation Variable Name: Postoperative Urinary Tract Infection Variable Name: UTI – PATOS	79 67 69 71 72 99 80 77 92 95 96 96 97 62 64 87 75 81 83	Yes; No	TRANSFINTOPPSTOP = "No" then this variable will

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Position #	Variable Name	Data Type	Variable Label	Search Term in Variables and Definitions	Page Number in Variables and Definitions	Variable Options	Comments
130	UNPLANNEDADMISSIONICU30	Char	Unplanned Admission to ICU within 30 days	Variable Name: Postoperative Unplanned Admission to ICU within 30 Days	100	Yes; No	
131	CDIFF	Char	Clostridium difficile (C. diff) Colitis	Variable Name: Postoperative Clostridium difficile (C.diff) Colitis Variable Name: Postoperative Clostridium difficile (C.diff) Colitis	90	Yes; No Toxin	
						DNA Other-C. diff Unknown None	
133	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	CDIFF_TRTMT	Char	Was the patient given treatment for C. diff?	Variable Name: Postoperative Clostridium difficile (C.diff) Colitis	90	Yes; No	If CDIFF = "No" then this variable will be missing
135	CDIFF_DIA	Char	Did the patient have diarrhea/loose stools?	Variable Name: Postoperative Clostridium difficile (C.diff) Colitis	90	Yes; No	If CDIFF = "No" then this variable will be missing
136	DEHYD_TRTMT_OUT	Char		Variable Name: Did the Patient Receive Treatment for Dehydration (Nausea and Vomiting, Fluid, Electrolyte, or Nutritional Depletion) as an Outpatient?	106	Yes; No	
137	DEHYD_NUM_TRTMTS	Num		Variable Name: Did the Patient Receive Treatment for Dehydration (Nausea and Vomiting, Fluid, Electrolyte, or Nutritional Depletion) as an Outpatient?	106		
138	EMERG_VISIT_OUT	Char	Was the patient seen in an emergency department (ED) which did not result in an inpatient admission?	Variable Name: Was the Patient Seen in any Emergency Department (ED) which did not result in an Inpatient Admission?	107	Yes; No	
139	EMERG_NUM_TIMES	Num	Number of times the patient was seen in an emergency department (ED) which did not result in an inpatient admission	Variable Name: Was the Patient Seen in any Emergency Department (ED) which did not result in an Inpatient Admission?	107		
140	DEATH30	Char		Variable Name: Death During Operation (Intraoperative Death) OR Postoperative Death w/in 30 Days of Procedure	102	Yes; No	

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Position #	Variable Name	Data Type	Variable Label	Search Term in Variables and Definitions	Page Number in Variables and Definitions	Variable Options	Comments
158	DTPOSTOPSEPSIS	Num	Days from operation date to first recorded date of Sepsis	Days to first recorded Sepsis occurrence from initial bariatric surgery operation date			Values capped between 0 and 30. If POSTOPSEPSIS = 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 TRANSEINTOPPSTOP = "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

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Position #	Variable Name	Data	Variable Label	Search Term in Variables and Definitions	Page Number in	Variable Options	Comments
Position #	variable Name	Type	Variable Label	Search Term in Variables and Demittons	Variables and	variable Options	Comments
		·ypc			Definitions		
	•		•		•	•	
1	CASEID	Num	Case Identification Number	Each case or record in the database has a unique CaseID number.			
•	CAGLID	ream	Case identification (variable)	Lacif case of record in the database has a drigge Gaserb humber.	115	Medical record	
						Patient/Family Report	
_	0500 051 1750 010					Other	
3	REOP_RELATED_BAR	Char	Reoperation related to metabolic/bariatric procedure	Variable Name: Was this Reoperation likely related to a Metabolic or Bariatric procedure?	110	Yes; No	
4	REOP SUSPECTED REASON BAR	R 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	variables and Delimitions	
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	r Variable Name: Was this reoperation performed at your hospital?	110	Yes; No	
	DEAD EMEDATION			W		v. v.	
9 10	REOP_EMERGENCY REOP_STAPLING_PROC	Char Char	Emergency Reoperation Reoperation Stapling Procedure	Variable Name: Reoperation Emergency Case Variable Name: Was this Reoperation a Stapling Procedure?	110 110	Yes; No 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 15	REOP_ENDO_THER DTREOP	Char Num	Reoperation Endoscopic Therapy Days to Reoperation	Was this procedure an endoscopic therapy? Days from initial bariatric or metabolic surgery procedure to reoperation.	110	Yes; No	Values capped between 0 and 30
13	BIREOI	ream	Days to Reoperation	Days normalitate ballatile of metabolic surgery procedure to reoperation.			values capped between 6 and 36
1	CASEID	Num	Case Identification Number	Each case or record in the database has a unique CaseID number.			
					108	Medical record	
						Patient/Family Report	
•	READ_RELATED	Char	Deadmission related to matchelia/horistria	2 Variable Name: Did the Patient have a Hospital Readmission within 30 days of the Principal	108	Other Yes; No	
3	READ_RELATED	Chai	procedure	Procedure?	106	res, 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	
				riocedule:		Table on page 111 in variables and belimitions	
5	READ_UNPLANNED	Char	Unplanned Readmission	Was this readmission unplanned at the time of the principal procedure?	108	Yes; No	
6	READ_ONPLANNED	Char	Readmission Occurred at Reporting	Did this readmission occur at your hospital?	108	Yes; No	
-	_		Center		-	•	
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	Num	Days from Original Discharge to	Days to readmission from original hospital stay discharge			Values capped between 0 and 30
0	DINEAD_DISON	Null	Readmission	Days to readmission north original hospital stay discharge			чаниез сарреи венчест о апи зо
9	DTDISDT_READ	Num	Days from Readmission to Readmission	Days to readmission discharge from readmission date			Values capped between 0 and 150
			Discharge				
1	CASEID	Num	Case Identification Number	Each case or record in the database has a unique CaseID number.			
1	CASEID	(NUII)	Case idefilification number	Lauri case or record in the database has a unique caserb number.	121	Medical Record	
						Patient/Family Report	
						Other	
3	INTV_RELATED_BAR	Char	Intervention related to metabolic/bariatric				
			procedure				

Position #	Variable Name	Data	Variable Label	Search Term in Variables and Definitions	Page Number in	Variable Options	Comments
		Type			Variables and		
					Definitions		
ВМІ							
1	CASEID	Num	Case Identification Number	Each case or record in the database has a unique CaseID number.			
2	HGT	Num	Height	Variable Name: Preoperative Height	17		Same variable found in the main dataset
3	HGTUNIT	Char	Height Unit	Height Measurement Units	17	in, cm	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		Closest to Surgery Pre-op Weight Measurement Units	19	lbs, kg	Same variable found in the main dataset
		<u> </u>	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			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	
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
							capped between 15 and 150
12	BMI_DISCH	Num	Post-Op BMI	Calculated from post-op weight and height	1		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	ĺ		Values capped between 0 and 30
1		1	BMI measurement				

Section 9 - PUF User Guide Table

