User Guide for the 2020 Participant Use Data File (PUF)

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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

Case Exclusion Criteria

The following exclusion criteria were applied to cases collected in 2020. 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 5 years of age.
- Primary Procedure not performed by the reporting site.
- 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 as a new case into the data registry per patient, per 30 days, for a center.
- Cases completed due to complication or occurrences from a prior metabolic and bariatric procedure (with the exception of GERD). For example, cases in which a portion of the metabolic and bariatric procedure was revised, or the metabolic and bariatric procedure was converted due to ulcer, perforation, stricture, nausea, vomiting, or excessive weight loss, the procedure would not be captured on a case form, rather captured as a Reoperation or Intervention. Note: Only Reoperations and Interventions which occurred within the 30 day postoperative timeframe of a case captured on a case form are included in the PUF.

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 saved as complete on a case form in the MBSAQIP registry 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 may also 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 5 are available for assessment, so the age distribution is somewhat truncated. Patients under the age of 13 and over the age of 80 also have their ages de-identified in the PUF (age is set to missing with added indicator variables included to identify patients under the age of 13 and over the age of 80, respectively).
- 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

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 3 of this document for a step-by-step approach on how to do so.
- Q: Is there a time limit for downloading the files after the PUF request is approved?
- A: Yes, users have 10 days from the time the PUF approval notification is sent to download the files.

Contents of the Files

- O: 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 Tables 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 Followp- within the MBSAQIP Data Registry Operations Manualfor a listing of procedure types. Any primary, conversion, or revisional case that meets inclusion criteria for creation as a "New Case" is included in the PUF.

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- 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 MBQIP Data Registry Operations Manual are included in the PUF.

Q:

- 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.
- Q: Are other PUF data sets available?
- A: There are five previous MBSAQIP PUF files available for request / download:

PUF Year	PUF Type	Cases	Centers
2019	MBSAQIP	206,570	868
2018	MBSAQIP	204,837	854
2017	MBSAQIP	200,374	832
2016	MBSAQIP	186,772	791
2015	MBSAQIP	168,903	742

Values in the Data

- Q: Why is age missing for somecords in the main dataset?
- A: Records will have a missing value for age if the calculated age of the patient was less than 13 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 variableshave 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.

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- 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 Tables

The PUF User Guide Tables provides a variable-by-variable description for each of the four datasets available in the PUF. This tables contains a column titled "Page Number in Variables

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M	ΑI	Ν

MAIN							
Position #	Variable Name	Data Type	Variable Label	Search Term in Variables and Definitions	Page Number in Variables and Definitions	Variable Options	Comments
1	CASEID	Num	Case Identification Number	Each case or record in the database has a unique CaseID number.			
2	SEX	Char	Sex	Variable Name: Sex	2	Male; Female; Non-binary	
3	AGE	Num	Age (years)	Variable Name: Date of Birth	1	,,	Values capped between 13 and 80
4	ageLT13	Char	Age Less Than 13 Years	Indicator for patients with recorded age less than 13	+	Yes; No	
5	ageGT80	Char	Age Greater Than 80 Years	Indicator for patients with recorded age greater than 80	+	Yes; No	
6	RACE_PUF	Char	Race	Variable Name: Race		White	Field is multi-select. Selections are separated by " ~ ". Any
						Black or African American	unique categories with frequency < 50 are set to 'Race
						American Indian or Alaska Native	combinations with low frequency'.
						Native Hawaiian or Other Pacific	-
					3	Islander	
						Asian	
						Some Other Race	1
						Unknown/Not Reported	1
7	HISPANIC	Char	Hispanic Ethnicity	Variable Name: Hispanic Ethnicity	4	Yes; No; Unknown	
8	PROCEDURE_TYPE	Char	Procedure Type	Variable Name: Procedure Type		Conversion; Initial; Revision	Please refer to the Case Exclusion Criteria section in the
				21	7	,,	accompanying User Guide for procedure types and cases eligible for inclusion in these data files.
9	CPT	Char	Primary Procedure CPT	Variable Name: Primary Procedure	8		
10	CPT_DESCR	Char	Primary Procedure CPT Description	Variable Name: Primary Procedure	8		
11	INIT_PROC_DESC	Char	Initial Procedure Description	Variable Name: Initial Procedure Description	9	See "Variable Name: Initial Procedure Description" "Options" List on page 9 of Variables and Definitions	Required if 43659 or 43999 is entered for the Primary Procedure CPT®. If PROCEDURE_TYPE not = 'Initial', then this field will be missing.
12	CONV_PREV_PROC	Char	Conversion Previous Procedure	Variable Name: Conversions Previous Procedure	10	See "Variable Name: Conversions Previous Procedure" "Options" List on	Field is multi-select. Selections are separated by " ~ ". If PROCEDURE_TYPE not = 'Conversion', then this field will be
13	CONV_CURR_PROC	Char	Conversion Current Primary Procedure	Variable Name: Conversions Current Primary Procedure		page 10 of Variables and Definitions See "Variable Name: Conversions	missing. If PROCEDURE_TYPE not = 'Conversion', then this field will be
					11	Current Primary Procedure" "Options" List on page 11 of Variables and Definitions	missing.
14	REV_PROC	Char	Revision Procedure Type	Variable Name: Revisions Procedure Type	12	See "Variable Name: Revisions Procedure Type" "Options" List on page 12 of Variables and Definitions	If PROCEDURE_TYPE not = 'Revision', then this field will be missing.
15	REV_CONV_EMERGCASE	Char	Revision/Conversion Emergency Case	Variable Name: Emergency Case	13	Yes; No	If PROCEDURE_TYPE = 'Initial', this field will be missing.
16	REV_CONV_FININDIC	Char	Revision/Conversion Final Indication	Variable Name: Final Indication	14	See "Variable Name: Final Indication" "Options" List on page 14 of Variables and Definitions	If PROCEDURE_TYPE = 'Initial', this field will be missing.
17	OTHCPT1	Char	Other CPT 1	Variable Name: Other Procedures			Any additional CPT® code. If none entered field will be 'NULL'.
18	OTHCPT2	Char	Other CPT 2	7			
19	OTHCPT3	Char	Other CPT 3	1			1
20	OTHCPT4	Char	Other CPT 4	1			
21	OTHCPT5	Char	Other CPT 5				1
22	OTHCPT6	Char	Other CPT 6		15		1
23	OTHCPT7	Char	Other CPT 7	┪			1
24	OTHCPT8	Char	Other CPT 8	₫			1
25	OTHCPT9	Char	Other CPT 9	†			1
26	OTHCPT10	Char	Other CPT 10	╡			1
27	CONCPT1	Char	Concurrent CPT 1	Variable Name: Concurrent Procedures			Any additional CPT® code. If none entered field will be 'NULL'.
28	CONCPT2	Char	Concurrent CPT 2	†			1
29	CONCPT3	Char	Concurrent CPT 3	╡			1
30	CONCPT4	Char	Concurrent CPT 4	†			1
31	CONCPT5	Char	Concurrent CPT 5	┥			1
32	CONCPT6	Char	Concurrent CPT 6	┥	16		1
33	CONCPT7	Char	Concurrent CPT 7	┥			-
	CONCPT8			┥			-
34		Char	Concurrent CPT 8	-∤			4
35	CONCPT9	Char	Concurrent CPT 9	4			-
36	CONCPT10	Char	Concurrent CPT 10				
37	STAPLING_PROC	Char	Stapler Used/Anastomosis Completed	Variable Name: Stapler Used/Anastomosis Completed	17	Yes; No	

						Home	
						Rehab	
						Separate acute care	
						Skilled care, not home	
						Unknown	
						Unskilled facility, not home	
						Gastroenterologist	
						General surgeon	
						Interventional radiologist	
						Metabolic and bariatric surgeon	,
						Other	,
40		Num		Year of initial bariatric or metabolic surgery	6		,
41	DTOP	Num			18		Values capped between 0 and 30.
42	DTDISCH OP	Num		from hospital admission date Days to hospital discharge from initial bariatric or metabolic			Values capped between 0 and 150.
42	DIDIOCH_Oi	Num		surgery date	19		values capped between 0 and 150.
43		Num	Days to discharge from hospital admit date		19		Values capped between 0 and 180.
44		Num	Height	Variable Name: Height	22		,
45	HGTUNIT	Char	Height Unit	Variable Name: Height	22	cm; in	,
46		Num		Variable Name: Highest Recorded Weight	23		,
47		Char		Variable Name: Highest Recorded Weight	23	kg; lbs	,
48		Num		Calculated from highest recorded pre-op weight and height	23		Values capped between 15 and 150.
49		Num		Variable Name: Weight Closest to Procedure	24		,
50	WGTUNIT_CLOSEST	Char		Variable Name: Weight Closest to Procedure	24	kg; lbs	,
51	BMI	Num	Unit Pre-Op BMI closest to bariatric surgery	Calculated from pre-op weight closest to procedure and height	24		Values capped between 15 and 150.
31	DIVII	Num	Pre-Op Divil Glosest to banding sarger,	Calculated from pre-up weight diodest to processio and height	24	Independent	Values Capped between 13 and 150.
						Partially dependent	,
						Totally dependent	
						Unknown	
53	SMOKER	Char	Current smoker within one year	Variable Name: Current Smoker	26	Yes; No	
55	OWOTE.	Onai	Outlott Stroker main one year	Valiable Name. Carron. Smoke.	20	Yes, insulin	
						Yes, non-insulin	
						No	
55	CHRONIC STEROIDS	Char	Pre-Op Steroid/Immunosuppressant Use	Variable Name: Steroid/Immunosuppressant for Chronic	20	Yes; No	
	_		for Chronic Condition	Condition	28		
56		Char		Variable Name: History of Severe COPD	30	Yes; No	
57	· · · =	Char	*	Variable Name: History of Pulmonary Embolism	31	Yes; No	
58	_	Char		Variable Name: Sleep Apnea	32	Yes; No	
59		Char	·	Variable Name: GERD	33	Yes; No	
60	_	Char		Variable Name: Previous Foregut Surgery	34	Yes; No	
61		Char		Variable Name: History of Myocardial Infarction	35	Yes; No	
62		Char		Variable Name: Previous PCI/PTCA	36	Yes; No	
63		Char	9 ,	Variable Name: Previous Cardiac Surgery	37	Yes; No	,
64	HIP	Char	Pre-Op Hypertension	Variable Name: Hypertension	38	Yes; No	,
						0	,
						1	
						2 3 or more	,
20	: " (DEDI IDIDEMIA	Ot	5 O Hamiltonia	The state of the s		3 or more	,
66 67		Char Char		Variable Name: Vein Thrombosis Requiring Therapy	40	Yes; No	
6/	HISTORY_DVT	Char	Pre-Op Vein Thrombosis Requiring Therapy	Variable Name: Vein Thrombosis Requiring Therapy	41	Yes; No	
68	THERAPEUTIC_ANTICOAGU	Char		Variable Name: Therapeutic Anticoagulation	42	Yes; No	
	LATION			· -		•	
69	· · · · - · · · · ·	Char		Variable Name: Venous Stasis	44	Yes; No	
70	IVC_FILTER	Char	Pre-Op IVC Filter	Variable Name: IVC Filter	45	Yes; No	
						IVC filter placed in anticipation of the	
						metabolic or bariatric procedure IVC filter was preexisting	
						Unknown	
72	DIALYSIS	Char	Pre-Op Requiring or on dialysis	Variable Name: Currently Requiring/On Dialysis	46	Yes; No	
73							Td (64)Tj /TT0 1 Tf 3.5ALBUMI256 TD (LAEMIA)Tj 1NumC.1170 0.023 TAlbumiltLab Value (g/dL)rdia
	NEW L	3.020	10 1.010 1.012 12 (O.I.I.I.O.II.) Gaine 22222	3.11b1 0.020111 (1 0.020 10 011 11.122 (12.110 11 0.1121 1.122 1.1).	0 , . ,] ((00) 1] 0.0p0000 0.020 10 [(14 (04)1)7110 1 11 0.01 (ED 0111200 10 (E1 1211111)1) 11 11 11 0 0 0 12 0 11 10 11 11 11 11 11 11 11 11 11 11

Expired

Facility which was home

76 77	CREATININE DPRCREAT	Num Num	Pre-Op Creatinine Lab Value (mg/dL) Days from Creatinine Pre-Op Labs to	Variable Name: Preoperative Lab Value Information Days from pre-operative Creatinine to initial bariatric surgery	48		Values capped between 0.1 and 15. Values capped between 0 and 180.
			Operation	operation date	48		
78	HCT DPRHCT	Num	Pre-Op Hematocrit Lab Value (%) Days from Hematocrit Pre-Op Labs to	Variable Name: Preoperative Lab Value Information Days from pre-operative Hematocrit to initial bariatric surgery	48		Values capped between 8 and 60. Values capped between 0 and 180.
79	DPRIICT	Num	Operation	operation date	48		values capped between 0 and 160.
80 81	HEMO DPRHEMO	Num Num	Pre-Op Hemoglobin A1c Value Days from Hemoglobin A1c Pre-Op Labs to	Variable Name: Preoperative Lab Value Information Days from pre-operative Hemoglobin A1c to initial bariatric	48 48		Values capped between 4 and 20. Values capped between 0 and 180.
82			Operation ASA Class	surgery operation date	40	ASA I - Normal/Healthy	
-						ASA II - Mild systemic disease ASA III - Severe systemic disease ASA IV - Severe systemic disease threat to life ASA V - Moribund None assigned	
83	ANESTYPE	Char	Intragastric Balloon Anesthesia Type			General Monitored anesthesia care/IV None Other Local	If INIT_PROC_DESC not ="Intragastric balloon placement' then this field will be missing.
84	BALLOON_TYPE	Char	Intragastric Balloon Type	Variable Name: Intragastric Balloon Type	51	Absorbable Adjustable	If INIT_PROC_DESC not ='Intragastric balloon placement' then this field will be missing.
					51	Air-filled Fluid-filled	
85	SURGICAL_APPROACH	Char	Procedural Approach	Variable Name: Procedural Approach		Endoscopic	
					52	Laparoscopic Open	
86	ROBOTIC ASST	Char	Robotic Assist	Variable Name: Procedural Approach	52	Yes; No	
87	APPROACH_CONVERTED	Char	Procedure converted to another approach	Variable Name: Procedure Converted to Another Approach	53	Yes; No	
88	CONVERSION	Char	Procedure Converted - Final Procedural	Variable Name: Procedure Converted to Another Approach		Endoscopic	If APPROACH_CONVERTED = "No" then this variable will be
			Approach		53	Laparoscopic	missing.
						Open	
89	ROBOTIC_ASST_CONV	Char	Procedure Converted - Final Procedural Approach Robotic Assist	Variable Name: Procedure Converted to Another Approach	53	Yes; No	If APPROACH_CONVERTED = "No" then this variable will be missing.
90	DRAIN_PLACED	Char	Drain Placed	Variable Name: Drain Placed	54	Yes; No	moonig.
91	ANASTOMOSIS_CHECKED	Char	Anastomosis/Staple Line Leak Test	Variable Name: Anastomosis/Staple Line Leak Test	55	Yes; No	
92	OPLENGTH	Num	Operation Length (minutes)	Length of bariatric/metabolic surgery, in minutes	56		Values capped between 1 and 720.
93	METH_VTEPROPHYL	Char	VTE Prophylaxis Method(s)	Variable Name: VTE Prophylaxis	57	Mechanical only Pharmacologic only Mechanical and pharmacologic	
						None	
94		Char	Intraop/Postop Occurrence	Postprocedural Information – Occurrences	58	Yes; No	
95	POSTOPSUPERFICIALINCISI ONALSSI	l Num	Number of Post-Op Superficial Incisional SSI occurrences	Variable Name: Superficial Incisional SSI	59		
96	SSSIPATOS	Char	Superficial Incisional SSI PATOS	Variable Name: Superficial Incisional SSI – PATOS	61	Yes; No	
97	POSTOPDEEPINCISIONALS	Num	Number of Post-Op Deep Incisional SSI	Variable Name: Deep Incisional SSI	62		
98	SI DSSIPATOS	Char	occurrences Deep Incisional SSI PATOS	Variable Name: Deep Incisional SSI – PATOS	64	Yes; No	
99	POSTOPORGANSPACESSI	Num	Number of Post-Op Organ/Space SSI	Variable Name: Organ/Space SSI		res, No	
33			occurrences		65		
100	OSSIPATOS	Char	Organ/Space SSI PATOS	Variable Name: Organ/Space SSI – PATOS	67	Yes; No	
101	POSTOPANASTSLLEAK	Num	Number of Post-Op Anastomotic/Staple Line Leak occurrences	Variable Name: Anastomotic/Staple Line Leak	68		Post-op Organ/Space SSI occurrence must be assigned in order to assign Anastomotic/Staple Line Leak.
102	WOUNDDISRUPTION	Num	Number of Post-Op Wound Disruption occurrences	Variable Name: Wound Disruption	69		to accign, mactorious, ocapio 2000.
103	POSTOPPNEUMONIA	Num	Number of Post-Op Pneumonia	Variable Name: Pneumonia	70		
104	PNAPATOS	Char	occurrences Pneumonia PATOS	Variable Name: Pneumonia – PATOS	73	Yes; No	
105	UNPLINTUBATION	Num	Number of Post-Op Unplanned Intubation	Variable Name: Unplanned Intubation	74		
106	PULMONARYEMBOLSM	Num	occurrences Number of Post-Op Pulmonary Embolism	Variable Name: Pulmonary Embolism	76		
107	POSTOPVENTILATOR	Char	occurences Post-Op On Ventilator > 48 hours	Variable Name: On Ventilator > 48 Hours	77	Yes; No	
108	VENTPATOS	Char	On Ventilator > 48 hours PATOS	Variable Name: On Ventilator > 48 Hours – PATOS	78	Yes; No	
109	PROGRSRENALINSUF	Char	Progressive Renal Insufficiency	Variable Name: Progressive Renal Insufficiency/Acute Renal	79	Yes; No	
110	ACTERENALFAILURE	Char	Acute Renal Failure	Failure Requiring Dialysis Variable Name: Progressive Renal Insufficiency/Acute Renal	79	Yes; No	
				Failure Requiring Dialysis			

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1977 1977	111	DOCTORUTI	Mirror	Number of Deat On Usings Treat Infection	Variable Name I Irinan Treat Infection			T
173 OWARDS New Name of Period Specific Price (1985) Name of Period Specific Price (1985) Septiminary (111	POSTOPUTI	Num		variable Name: Urinary Tract Infection	80		
130 War March of Processor Control Section Sec	112	UTIPATOS	Char		Variable Name: UTI – PATOS	82	Yes; No	
March Marc	113	CVA	Num	Number of Post-Op Stroke/CVA				
150 CONCARDALASER Number Security of Part Contact Cont	114	CARDIACARRESTCPR	Num	Number of Intra-Op or Post-Op Cardiac	Variable Name: Cardiac Arrest Requiring CPR	84		
15 MASSPATCHPRITTON CALL Translation transport parts (pt. 17 Validation Name (pt. 17	115	MYOCARDIALINFR	Num	Number of Intra-op or Post-op Myocardial	Variable Name: Myocardial Infarction	85		
LECKING_UNTS	116	TRANSFINTOPPSTOP	Char	Transfusion Intra-op/Post-Op (72h of	Variable Name: Blood Transfusion	87	Yes; No	
High	117	BLEEDING_UNITS	Num		Variable Name: Blood Transfusion	87		
19	118	VEINTHROMBREQTER	Num		Variable Name: Vein Thrombosis Requiring Therapy	89		and 20. If TRANSFINTOFFSTOF = NO then this variable = 0.
PROFESSIONATION Characteristics Characteri	119	POSTOPSEPSIS	Char		Variable Name: Sepsis	92	Yes; No	
121 POSICYPERPITCHOCK Char Prox 05 Septen Shoots Variotic Name Septen Shoots 90 Versible Name Septen Shoots			Char					
122 SEPS-BOOK-AT LOSS Character Service			Char					
129 IMP-LANSENDAMISSIONICU No.					•			
1.5 OFFIRED No.				Number of Unplanned Admission to ICU			res, No	
200 SOMELORS INJUCTION	124	30 GITRACTBLEED	Num		Variable Name: Gastrointestinal Tract Bleeding			
COFF One Output	125	BOWELOBSTRUCTION	Num		Variable Name: Bowel Obstruction			
127 COFF_TRTMT Our Cult Treatment Given Variable Name. C. off Collis 90 Vers. No 1CDFF = Nor then this variable will be missing. 228 REPG_VIST_OUT			<u> </u>					
RECPTION RECORDS RECORDS RECORDS RECORDS RECORDS RECORDS RECORDS READSO RECORDS READSO RECORDS READSO READSO READSO READSO RECORDS READSO RECORDS READSO RECORDS RECOR						90	·	
See Spans (See Separate Readmission with 30 days from Initial 107 Yes, No. See separate Readmission file. 130 NTV30 Char A Least One Readmission with 30 days from Initial 107 Yes, No. See separate Readmission file. 131 DEFIVE TRENT OUT Char (IV) Treatment as on Output in 100 to 1	127	CDIFF_TRTMT	Char	C. diff Treatment Given	Variable Name: C. diff Colitis	90	Yes; No	If CDIFF = "No" then this variable will be missing.
READ30	128	REOP30	Char			111	Yes; No	See separate Reoperation file.
AT At Least One Intervention within 30 days from notice 120 New, NO See separate Intervention file. 120 New, NO See Separate Inter	129	READ30	Char		Any Readmission date recorded within 30 days from initial	107	Yes; No	See separate Readmission file.
DEHYD_NEM_TRIMES Char Number of IV Treatment as an Outpatient Variable Name: IV Treatment as an Outpatient Variable Name: IV Treatment as an Outpatient 1	130	INTV30	Char	At Least One Intervention within 30 days of	Any Intervention date recorded within 30 days from initial	120	Yes; No	See separate Intervention file.
Setting	131	DEHYD_TRTMT_OUT	Char			101	Yes; No	
EMERG_VISIT_OUT Char Emergency Department (ED) Visits Variable Name: Emergency Department (ED) Visits Common		DEHYD NUM TRTMTS	Char				1	If DEHYD_TRTMT_OUT = 'No' then this variable will be missing.
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### EMERG_VISIT_OUT Char Emergency Department (ED) Visits 102 Vers. No.						101	4	4
### EMERG_VISIT_OUT Char Emergency Department (ED) Visits 102 Vers. No.							4	
MeReg_NUM_TIMES Num								
Visits V						102	Yes; No	
136 ED_VSTNM_2				Visits		102		If EMERG_VISIT_OUT= 'No' then this variable will be missing.
137 ED_VSTNM_3 Char Discharge Diagnosis - ED Visit 3 138 ED_VSTNM_4 Char Discharge Diagnosis - ED Visit 4 139 ED_VSTNM_5 Char Discharge Diagnosis - ED Visit 5 140 ED_VSTNM_6 Char Discharge Diagnosis - ED Visit 6 141 ED_VSTNM_6 Char Discharge Diagnosis - ED Visit 6 142 ED_VSTNM_8 Char Discharge Diagnosis - ED Visit 7 142 ED_VSTNM_9 Char Discharge Diagnosis - ED Visit 8 143 ED_VSTNM_9 Char Discharge Diagnosis - ED Visit 8 144 DT_EDVISIT_1 Num Days from operation date to ED Visit 1 146 DT_EDVISIT_2 Num Days from operation date to ED Visit 1 147 DT_EDVISIT_3 Num Days from operation date to ED Visit 3 148 DT_EDVISIT_5 Num Days from operation date to ED Visit 6 150 DT_EDVISIT_5 Num Days from operation date to ED Visit 7 151 DT_EDVISIT_7 Num Days from operation date to ED Visit 8 152 DT_EDVISIT_8 Num Days from operation date to ED Visit 8 153 DTPOSTOPSUPERFINCSSI Num Days from operation date to ED Visit 9 154 DT_EDVISIT_8 Num Days from operation date to ED Visit 9 155 DT_EDVISIT_9 Num Days from operation date to ED Visit 9 154 DT_EDVISIT_9 Num Days from operation date to ED Visit 9 155 DT_EDVISIT_9 Num Days from operation date to ED Visit 9 154 DT_EDVISIT_9 Num Days from operation date to ED Visit 9 155 DT_EDVISIT_9 Num Days from operation date to ED Visit 9 156 DTPOSTOPSUPERFINCSSI Num Days from operation date to ED Visit 9 156 DTPOSTOPORGANSPACES Num Days from operation date to ED Visit 9 157 DT_EDVISIT_9 Num Days from operation date to ED Visit 9 158 DTPOSTOPORGANSPACES Num Days from operation date to ED Visit 9 159 DTPOSTOPORGANSPACES Num Days from operation date to ED Visit 9 150 DTPOSTOPORGANSPACES Num Days from operation date to ED Visit 9 156 DTPOSTOPORGANSPACES Num Days from operation date to ED Visit 10 157 DTPOSTOPORGANSPACES Num Days from operation date to ED Visit 10 158 DTPOSTOPORGANSPACES Num Days from operation date to ED Visit 10 159 DTPOSTOPORGANSPACES Num Days from operation date to ED Visit 10 150 DTPOSTOPORGANSPACES Num Days from operation date to ED Visit 10 150 DTPOSTOPORGANSPACES Num Days from					Variable Name: Emergency Department (ED) Visits			
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	155	DTPOSTOPORGANSPACES SI	Num					POSTOPORGANSPACESSI = 0 then this variable will be missing.
	156	DTANASTSLLEAK	Num					Values capped between 0 and 30. If POSTOPANASTSLLEAK = 0 then this variable will be missing.

REOPERATION

Position Variable Name Variable Label Data

Type

Search Term in Variables and

Definitions

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and **Definitions**

1 CASEID Num Case Identification Number Each case or record in the database has a unique CaseID number.

Comments





