



**NATIONAL ANESTHESIA CLINICAL
OUTCOMES REGISTRY**

User Guide for the Participant Use Data File

**National Anesthesia Clinical
Outcomes Registry**

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1. Introduction

This document accompanies the NACOR Participant Use Data File (PUF) available for download on the Anesthesia Quality Institute (AQI) website (<http://www.aqihq.org>). The following sections will provide the user with information on how to request the PUF, the contents of the data files, the data collection methodology, the inclusion and exclusion criteria for cases, important data limitations, and the definitions and descriptions of each field.

This user guide applies to all NACOR PUF files (including subsequent versions).

2. Data Request Process

The NACOR PUF is available to researchers employed in any anesthesia practice which contributes data to NACOR. A copy of the PUF can be downloaded by visiting <http://www.aqihq.org> and following the steps below:

1. From the main menu, select the Research -> PUF -> Request Access tab.
2. Complete a brief form to provide AQI with basic information about the researcher, including AQI participating group in which they are currently employed, and in what capacity, as well as how the requestor plans on using the PUF data.
3. Click the submit button.
4. Within 5 to 10 minutes, you will receive an automated e-mail response to the email address you provided.
5. Download the Participant Use File (PUF) Data Use Agreement (via the “Data Use Agreement” link) in the automated e-mail. This is a document which implements the data protection of the Health Insurance Portability and Accountability Act of 1996 (HIPAA) and the AQI Participation Agreement. Access to the PUF is contingent on agreement to the terms and conditions specified within the Data Use Agreement.
6. Return the Data Use Agreement to Ashley Kieta at a.kieta@asahq.org.
7. AQI staff will review the requests in a timely manner. Requestors and AQI contacts in the participating groups may be contacted to confirm the requestor’s affiliation.
8. Following the receipt of confirmation of the information submitted, an email will be sent to the requestor containing the instructions to download the data.
 - a. The PUF will be made available via the AQI secure FTP server.
 - b. Requestors will need to use an FTP client to download the file. Some FTP clients are available for free download – FileZilla is a popular program.
9. The file will be available in a single format: Comma-Separated-Values. Depending on the connection, the download may take several hours, so please plan accordingly. To assist in downloading, there are three downloadable options; for fast connections, the .txt file is available, for average connections, the file has been compressed as a .rar file, and for slow connections, the compressed file has been divided into several parts consisting of 100MB each (note: all parts must be downloaded before extracting).

10. Once the file has been downloaded, it will need to be converted to the proper format for importing into a statistical package, please consult your statistical package documentation for instructions.
11. The requestor is responsible for all institutional review board approvals required to work with, present, or publish data from the AQI. Advice on this subject is available from AQI Executive Director, Richard P. Dutton, M.D., M.B.A. at r.dutton@asahq.org.
12. The requestor should confirm receipt of the data file and provide feedback on the request process, delivery mechanism, data points contained, and data file format.

3. File Description

The NACOR PUF is a collection of data files constructed close to the date of the request. NACOR data is not static. As NACOR receives data from new contributors, they may contribute case information going back in time as far as Jan 1, 2010. PUF's generated on different dates may therefore contain different data, even for preceding years.

There are a total of 10 files for this version of the PUF. When these files are re-constructed into a single dataset, there are 164 distinct variables, a variable-by-variable description is provided in Section 9. Data is divided into several subsections; the first division is by the year of service. Each file will indicate which year of service the data contains by the name of the file. The second division is for patient / anesthesia case demographics and outcomes. The demographics portion are the same 70 variables used in previous versions of the PUF, the outcomes section is divided into three parts, the anesthesia "caseID" variable which is used to link to the "caseID" variable in the demographics file, outcome numerators and outcome denominators. There are a total of 47 outcomes, each with a numerator and denominator variable. The numerator variable indicates the occurrence of the outcome whereas the denominator variable indicates if the facility reports that particular outcome. AQI does not receive outcomes for every anesthesia practice or every facility which submits data. The outcomes file will not contain data for groups who do not submit outcomes data, thus eliminating missing data from that file. It is also possible for a single anesthesia group to operate out of more than one facility, but only collect outcome data from one of their facilities. Data for the facility which reports outcomes will be found in the outcomes file whereas data for the facility which does not report outcomes will not be found in the outcomes file. For groups who submit outcomes data, not all groups report the same outcomes, for example if a group does not submit anaphylaxis as an outcome, the denominator for anaphylaxis will be 0 for each row in the dataset for that group (indicating partial missing data), however the same group may report on post-operative nausea and or vomiting and the denominator variable will indicate a value of 1 for that outcome.

To insure that the data file has been downloaded correctly, please verify the counts listed in the readme file accompanying the PUF file, a brief overview of the current PUF is:

File Name	N of Practices	N of Facilities	N of Providers	N of Cases
PUF_2010_v2014_Q3.txt	117	740	6062	3099667
PUF_2011_v2014_Q3.txt	143	919	8153	3739160
PUF_2012_v2014_Q3.txt	186	1266	10625	4815101
PUF_2013_v2014_Q3.txt	216	1424	13667	5579522
PUF_2014_v2014_Q3.txt	206	1417	12146	3389112
PUF_2010_Outcomes_v2014_Q3.txt	-	-	-	967489
PUF_2011_Outcomes_v2014_Q3.txt	-	-	-	1008852
PUF_2012_Outcomes_v2014_Q3.txt	-	-	-	1361864
PUF_2013_Outcomes_v2014_Q3.txt	-	-	-	1705930
PUF_2014_Outcomes_v2014_Q3.txt	-	-	-	823442

*Note, please review the accompanying readme file for more details

4. Data Collection Background

AQI NACOR collects data on 150+ variables, including preoperative risk factors, intraoperative variables, intraoperative medications and medical device readings for patients undergoing both surgical procedures and anesthesia procedures in all types of inpatient and outpatient settings. Data is captured in the local group’s electronic systems – billing, AIMS, and EMR. AQI does not include chart review as a means of data collection. The digital data available from different groups varies widely, as not every group sends all data fields.

Collected data elements are extracted from the local systems and formatted into an AQI approved format. These files are then uploaded to the AQI’s secure FTP server. AQI has a series of data audits that each file must pass in order to be included in the registry.

AQI also conducts a nightly audit of the NACOR registry. A series of ‘exception’ reports is produced nightly and reviewed by AQI on a daily basis.

These combined audits ensure that the data in NACOR maintains referential integrity and is clinically consistent both with previous data received from the group and with the broad boundaries of national anesthesia practice.

5. Case Inclusion/Exclusion Criteria

NACOR is a census registry. AQI does not sample cases from its contributors. Every case or procedure a group performs is included in the registry, which is why there are categories for both procedural anesthesia (where the anesthetic is given to facilitate an operation or study) and non-procedural anesthesia (e.g. pain management blocks, ICU intubations, central line placement, labor epidurals). We hope that NACOR is as inclusive as possible.

Case Inclusion

- All cases in NACOR are eligible for inclusion in the PUF

Case Exclusion

- Case Date of Service prior to Jan 1, 2010.
- Case does not contain a primary CPT code (either an Anesthesia or Procedural CPT is acceptable)

6. Data Limitations

While every effort has been made to make the PUF as complete as possible, the data does have some limitations. Some of these are intentional to safeguard the privacy of patients, providers, and facilities. Other limitations are due to a lack of data. Practices don't have to report every element. Only the elements with "enough" data are included. Additional data elements will be included in future PUFs as the density of reporting increases.

The following outlines the key data limitations:

- AQI collects data from a wide-variety of procedures at all types of facilities. Data includes endoscopies in an office setting through Coronary Artery Bypass Grafts at Academic Medical centers – and everything in between.
- Age of patient represents the age at the time of surgery in whole years only.
- Patients are followed after surgery for a variable length of time, based on practice logistics. This varies from discharge from the PACU to 24hr follow-up to 1-week follow-up. This variability is problematic when comparing outcomes from different practices.
- In order to comply with HIPAA requirements, some data has been scrubbed. Some dates/times have been expressed as durations, including length of surgery and hospital length of stay.
- Many risk factors are reported as ICD codes and co-morbidities. The corresponding preventative measures are not recorded which may statistically affect the reporting of such conditions.
- The data is received from groups that are participating in the AQI NACOR. This data may not represent a statistically valid, nationally representative sample.
- 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 improvement are welcome and may be directed to Lance Mueller, Director of AQI, via email at l.mueller@asahq.org.

8. Frequently Asked Questions

Request Process

Q: Who has access to the data?

A: The NACOR PUF is available to researchers in AQI participant practices.

Q: Is the file available to individuals from nonparticipating sites?

A: No, the data files are only available to individuals with official standing at fully participating groups.

Q: Can I share the data with researchers at non-participating sites?

A: No, the data file is restricted to individuals at fully participating sites.

Q: How do I request a file?

A: Please see above – Section #2 in this document – for the process to request a copy of the file.

Contents of the file

Q: What's in the file?

A: The NACOR PUF contains HIPAA de-identified data from contributors to AQI. The variable name, data definition, and other pertinent information are provided in Section 9: Data Variables and Definitions.

Q: Are site identifiers included in the database?

A: We do provide geographic identifiers based on the US Census Regions. We do not provide site specific identification.

Q: Are there provider specific identifiers included in the database?

A: We do include a de-identified numeric provider id. This is an AQI internal id and not related to the providers NPI # in any way.

Q: I am a researcher from a specific group. The PUF contains cases from our group. How do I identify which specific records are mine.

A: You should contact Lance Mueller, Director of AQI, via email: l.mueller@asahq.org to request a file which contains the Case ID's from your group.

Q: Does the data in the PUF change?

A: Yes, as groups join NACOR, they can send in historical data – back to Jan 1, 2010. On a periodic basis, AQI will create a new version of the PUF. The new version will contain all cases for the designate timeframe based on date of service of the case. Thus a 2011 file produced on Jan 1, 2013 may contain fewer cases than the 2011 file produced on July 1, 2013.

Values in the Data

Q: Why do some data elements contain the value -1?

A: A data element will be set to -1 for a variety of reasons:

- Value is unknown
- Value could not be imputed
- Value provided was outside pre-defined range (e.g. negative age or age > 125)

File Format

Q: In what file formats are the data available?

A: The data is available in a single file format – Comma-Separated-Values (expressed as a text “.txt” file).

9. Data Variables and Definitions

Variable 1 Anesthesia Case ID

Variable Name: caseID

Data Type: int

Description: Each case or record in the database has a randomly assigned unique ID

Permitted values / value range:

positive integer (-1 if unknown)

Variable 2 Anesthesia Practice ID

Variable Name: practiceID

Data Type: int

Description: Each group or practice in the database has a randomly assigned unique ID

Permitted values / value range:

positive integer (-1 if unknown)

Variable 3 Anesthesia Facility ID

Variable Name: facilityID

Data Type: int

Description: Each facility in the database has a randomly assigned unique ID

Permitted values / value range:

positive integer (-1 if unknown)

Variable 4 Anesthesia Start Hour

Variable Name: procedure_start_hour

Data Type: int

Description: Reported anesthesia start time represented in hours

Permitted values / value range:

positive integer (0 through 23, -1 if unknown)

Variable 5 Anesthesia Start Minute

Variable Name: procedure_start_minute

Data Type: int

Description: Reported anesthesia start time represented in minutes

Permitted values / value range:

positive integer (0 through 59, -1 if unknown)

Variable 6 Anesthesia Finish Hour

Variable Name: procedure_finish_hour

Data Type: int

Description: Reported anesthesia finish time represented in hours

Permitted values / value range:

positive integer (0 through 23, -1 if unknown)

Variable 7 Anesthesia Finish Minute

Variable Name: procedure_finish_minute

Data Type: int

Description: Reported anesthesia finish time represented in minutes

Permitted values / value range:

positive integer (0 through 59, -1 if unknown)

Variable 8 Year of Service

Variable Name: YY

Data Type: int

Description: Year of Date of Service

Permitted values / value range:

positive integer (2010 - current, -1 if unknown)

Variable 9 Quarter of Service

Variable Name: QQ

Data Type: int

Description: Quarter of Date of Service

Permitted values / value range:

positive integer (1 through 4, -1 if unknown)

Variable 10 Month of Service

Variable Name: MM

Data Type: int

Description: Month of Date of Service

Permitted values / value range:

positive integer (1 through 12, -1 if unknown)

Variable 11 Day of Service

Variable Name: DD

Data Type: int

Description: Day of Date of Service

Permitted values / value range:

positive integer (1 through 31, -1 if unknown)

Variable 12 Case Duration in Minutes

Variable Name: case_duration_minutes

Data Type: int

Description: Duration (in minutes) from the recorded Anesthesia Start to Anesthesia Stop

Permitted values / value range:

positive integer (-1 if unknown)

Variable 13 Residents Present

Variable Name: res_present

Data Type: int

Description: Number of Residents recorded on the case

Permitted values / value range:

positive integer (-1 if unknown)

Variable 14 MD / DO Present

Variable Name: md_present

Data Type: int

Description: Number of MD/DO recorded on the case

Permitted values / value range:

positive integer (-1 if unknown)

Variable 15 CRNA Present

Variable Name: crna_present

Data Type: int

Description: Number of CRNA recorded on the case

Permitted values / value range:

positive integer (-1 if unknown)

Variable 16 Anesthesia Board Certified

Variable Name: board_cert_anes_md_present

Data Type: int

Description: MD/DO with anesthesia board certification was recorded on the case

Permitted values / value range:

1 = yes

0 = no

-1 = unknown

Variable 17 Patient Age

Variable Name: patient_age

Data Type: int

Description: Age of patient (years) on date of surgery

Permitted values / value range:

All patients > 90 are listed as 90

-1 if unknown

Variable 18 Patient Age Grouped

Variable Name: patient_age_group

Data Type: char

Description: Age of patient by pre-determined AQI grouping

Permitted values / value range:

Under 1

1 - 18

19 - 49

50 - 64

65 - 79

80+

-1 if unknown

Variable 19 Patient Gender

Variable Name: patient_sex

Data Type: int

Description: Reported gender of the patient at the time of surgery

Permitted values / value range:

0 = Female

1 = Male

-1 = Unknown

Variable 20 ASA Physical Status

Variable Name: asaps

Data Type: int

Description: The ASA Physical Status Classification of the patient's physical condition on a scale from 1 - 6 at the time of surgery

Permitted values / value range:

ASA 1 - Normal healthy patient

ASA 2 - Patient with mild systemic disease

ASA 3 - Patient with severe systemic disease

ASA 4 - Patient with severe systemic disease that is a constant threat to life

ASA 5 - Moribund patient who is not expected to survive

Variable 21 Imputed ASA Physical Status

Variable Name: asaps_imputed

Data Type: int

Description: For billing purposes some groups report ASA 1 and 2 in a single category (ASA 1), ASA12 is imputed for any case where a 1 or 2 is reported. For some cases reported_anesthesia_code suggests ASA 6 (reported_anesthesia_code = 01990), but ASA 6 is not report

Permitted values / value range:

ASA 12 - Normal healthy patient or patient with mild systemic disease

ASA 3 - Patient with severe systemic disease

ASA 4 - Patient with severe systemic disease that is a constant threat to life

ASA 5 - Moribund patient who is not expected to survive with

Variable 22 Inpatient/Outpatient

Variable Name: in_or_out_patient

Data Type: int

Description: The group's definition of inpatient or outpatient status.

Permitted values / value range:

1 = Outpatient

2 = Inpatient

-1 = Unknown

Variable 23 Number of Active Providers

Variable Name: n_active_providers

Data Type: int

Description: Number of MD/DO/CRNA's contributing cases in the practice. This number is based on number of providers found in cases from 12 months to 6 months prior to the most recent case found in the dataset for the practice.

Permitted values / value range:

Positive Integer (-1 if unknown)

Variable 24 US Region

Variable Name: location_region

Data Type: char

Description: Census region as defined by the US Census (http://www.census.gov/geo/maps-data/maps/pdfs/reference/us_regdiv.pdf)

Permitted values / value range:

Region 1: Northeast

Region 2: Midwest

Region 3: South

Region 4: West

Variable 25 Facility Type

Variable Name: facility_type

Data Type: int

Description: CMS - (Medicare) defined facility type

Permitted values / value range:

1 University Hospital

2 Large Community Hospital (over 500 beds)

3 Medium Community Hospital (100-500 beds)

4 Small Community Hospital (less than 100 beds)

5 Specialty Hospital

6 Attached Surgery Center

7 Freestanding Surgery Center

8 Pain Clinic

Variable 26 Procedrue Status

Variable Name: procedure_status

Data Type: int

Description: Procedure status

Permitted values / value range:

1 = Emergency

0 = Elective

-1 = Unknown

Variable 27 ICD Code Rank 1

Variable Name: ICD1

Data Type: char

Description: ICD code

Permitted values / value range:

All valid diagnostic ICD codes (see

<https://www.cms.gov/Medicare/Coding/ICD9ProviderDiagnosticCodes/codes.html>)

-1 if unknown or not reported

Variable 28 ICD Code Rank 2

Variable Name: ICD2

Data Type: char

Description: ICD code

Permitted values / value range:

All valid diagnostic ICD codes (see

<https://www.cms.gov/Medicare/Coding/ICD9ProviderDiagnosticCodes/codes.html>)

-1 if unknown or not reported

Variable 29 ICD Code Rank 3

Variable Name: ICD3

Data Type: char

Description: ICD code

Permitted values / value range:

All valid diagnostic ICD codes (see

<https://www.cms.gov/Medicare/Coding/ICD9ProviderDiagnosticCodes/codes.html>)

-1 if unknown or not reported

Variable 30 ICD Code Rank 4

Variable Name: ICD4

Data Type: char

Description: ICD code

Permitted values / value range:

All valid diagnostic ICD codes (see

<https://www.cms.gov/Medicare/Coding/ICD9ProviderDiagnosticCodes/codes.html>)

-1 if unknown or not reported

Variable 31 Principal Anesthesia Technique

Variable Name: primary_anesthesia_type

Data Type: int

Description: The principal anesthesia technique. General takes precedence over other forms of anesthesia if more than one is listed.

Permitted values / value range:

1 General

- 2 Epidural / Spinal
- 3 Regional
- 4 Monitored Anesthesia Care
- 5 Sedation
- 6 Local
- 7 Other

Variable 32 Primary Surgical CPT

Variable Name: surgical_cpt

Data Type: int

Description: The CPT of the principal operative procedure.

Permitted values / value range:

5 digit alphanumeric value

-1 if unknown or not reported

Variable 33 Modifier: 22 - Based on CPT modifiers listed in ASA Relative Value Guide

Variable Name: mod_22_present

Data Type: int

Description: Increased Procedural Services

Permitted values / value range:

1 if present

-1 if unknown or not reported

Variable 34 Modifier: 23 - Based on CPT modifiers listed in ASA Relative Value Guide

Variable Name: mod_23_present

Data Type: int

Description: Unusual Anesthesia

Permitted values / value range:

1 if present

-1 if unknown or not reported

Variable 35 Modifier: 25 - Based on CPT modifiers listed in ASA Relative Value Guide

Variable Name: mod_25_present

Data Type: int

Description: Significant, Separately Identifiable Evaluation and Management Service by the Same Physician.

Permitted values / value range:

1 if present

-1 if unknown or not reported

Variable 36 Modifier: 26 - Based on CPT modifiers listed in ASA Relative Value Guide

Variable Name: mod_26_present

Data Type: int

Description: Professional Component

Permitted values / value range:

1 if present

-1 if unknown or not reported

Variable 37 Modifier: 50 - Based on CPT modifiers listed in ASA Relative Value Guide

Variable Name: mod_50_present

Data Type: int

Description: Bilateral Procedure

Permitted values / value range:

1 if present

-1 if unknown or not reported

Variable 38 Modifier: 51 - Based on CPT modifiers listed in ASA Relative Value Guide

Variable Name: mod_51_present

Data Type: int

Description: Multiple Procedures

Permitted values / value range:

1 if present

-1 if unknown or not reported

Variable 39 Modifier: 59 - Based on CPT modifiers listed in ASA Relative Value Guide

Variable Name: mod_59_present

Data Type: int

Description: Distinct Procedural Service

Permitted values / value range:

1 if present

-1 if unknown or not reported

Variable 40 Modifier: AA - HCPCS Modifier Codes

Variable Name: mod_AA_present

Data Type: int

Description: Anesthesia services personally performed by an anesthesiologist.

Permitted values / value range:

1 if present

-1 if unknown or not reported

Variable 41 Modifier: AD - HCPCS Modifier Codes

Variable Name: mod_AD_present

Data Type: int

Description: Medical supervision by a physician for more than four concurrent anesthesia services.

Permitted values / value range:

1 if present

-1 if unknown or not reported

Variable 42 Modifier: QK - HCPCS Modifier Codes

Variable Name: mod_QK_present

Data Type: int

Description: Medical direction of two, three, or four concurrent anesthesia procedures involving qualified individuals.

Permitted values / value range:

1 if present

-1 if unknown or not reported

Variable 43 Modifier: QS - HCPCS Modifier Codes

Variable Name: mod_QS_present

Data Type: int

Description: Monitored anesthesia services.

Permitted values / value range:

1 if present

-1 if unknown or not reported

Variable 44 Modifier: QX - HCPCS Modifier Codes

Variable Name: mod_QX_present

Data Type: int

Description: CRNA service with medical direction by a physician.

Permitted values / value range:

1 if present

-1 if unknown or not reported

Variable 45 Modifier: QY - HCPCS Modifier Codes

Variable Name: mod_QY_present

Data Type: int

Description: CRNA and anesthesiologist are involved in a single procedure and the physician is performing the medical direction.

Permitted values / value range:

1 if present

-1 if unknown or not reported

Variable 46 Modifier: QZ - HCPCS Modifier Codes

Variable Name: mod_QZ_present

Data Type: int

Description: Supervising anesthesiologist not recorded. In NACOR, by specific auditing, there are very few cases done in which an anesthesiologist is not involved in case assignment, preoperative evaluation, postoperative care or available for breaks or emergencies.

Permitted values / value range:

1 if present

-1 if unknown or not reported

Variable 47 Case Type

Variable Name: case_type

Data Type: char

Description: Derived from surgical_cpt. AQI defined groupings of surgical cases.

Permitted values / value range:

OR (Operating Room)

NORA (Non-Operating Room Anesthesia Procedure)

NORA Cardiac (Non-Operating Room Anesthesia, Cardiac Procedure)

NORA GI (Non-Operating Room Anesthesia, Gastrointestinal Procedure)

NORA Radiology (Non-Operating Room Anesthesia, Radiology)

Variable 48 System Code

Variable Name: system_code

Data Type: char

Description: Derived from surgical_cpt. Contains Body region of procedure

Permitted values / value range:

Forearm Wrist Hand

Head

Intra-Thoracic

Knee & Popliteal Area

Lower Abdomen

Lower Leg (below Knee)

Neck

Obstetric - NON Surgical

Obstetric - Surgical

Other

Pelvis (except Hip)

Perineum

Radiological

Shoulder & Axilla

Spine & Spinal Cord

Thoracic

Upper Abdom

Variable 49 CCS Label

Variable Name: ccs label

Data Type: char

Description: Clinical Classifications Software (CCS) coding system defined by Healthcare Cost and Utilization Project (HCUP) groupings of CPT codes (http://www.hcup-us.ahrq.gov/toolssoftware/ccs_svcsproc/ccssvcproc.jsp).

Permitted values / value range:

CCS: AHRQ's Clinical Classification System

Variable 50 CCS Code

Variable Name: ccs

Data Type: int

Description: Clinical Classifications Software (CCS) coding system defined by Healthcare Cost and Utilization Project (HCUP) groupings of CPT codes (http://www.hcup-us.ahrq.gov/toolssoftware/ccs_svcsproc/ccssvcproc.jsp).

Permitted values / value range:

CCS: AHRQ's Clinical Classification System

Variable 51 ASA Crosswalk CPT code

Variable Name: asa_crosswalk_code

Data Type: char

Description: The corresponding anesthesia CPT code based on the primary surgical CPT code - derived from ASA Crosswalk

Permitted values / value range:

5 digit alphanumeric value

-1 if unknown or not reported

Based on the ASA Crosswalk (2014)

Variable 52 ASA Crosswalk alternate CPT code

Variable Name: asa_crosswalk_code_alternate

Data Type: char

Description: Alternate Anesthesia Code from ASA Crosswalk

Permitted values / value range:

5 digit alphanumeric value

-1 if unknown or not reported

Based on the ASA Crosswalk (2014)

Variable 53 Reported ASA CPT code

Variable Name: reported_anesthesia_code

Data Type: char

Description: Anesthesia CPT code

Permitted values / value range:

5 digit alphanumeric value

-1 if unknown or not reported

Based on the ASA Crosswalk (2014)

Variable 54 CPT code 1

Variable Name: CPT1

Data Type: int

Description: Additional CPT code if provided

Permitted values / value range:

5 digit alphanumeric value

-1 if unknown or not reported

Variable 55 CPT code 2

Variable Name: CPT2

Data Type: int

Description: Additional CPT code if provided

Permitted values / value range:

5 digit alphanumeric value

-1 if unknown or not reported

Variable 56 CPT code 3

Variable Name: CPT3

Data Type: int

Description: Additional CPT code if provided

Permitted values / value range:

5 digit alphanumeric value

-1 if unknown or not reported

Variable 57 CPT code 4

Variable Name: CPT4

Data Type: int

Description: Additional CPT code if provided

Permitted values / value range:

5 digit alphanumeric value

-1 if unknown or not reported

Variable 58 AIMS Medications Available

Variable Name: aims_meds

Data Type: int

Description: Reported medications for this case in NACOR

Permitted values / value range:

1 if present

-1 if unknown or not reported

Variable 59 AIMS Fluids Available

Variable Name: aims_fluids

Data Type: int

Description: Reported fluids for this case in NACOR

Permitted values / value range:

1 if present

-1 if unknown or not reported

Variable 60 AIMS Labs Available

Variable Name: aims_labs

Data Type: int

Description: Reported Labs for this case in NACOR

Permitted values / value range:

1 if present

-1 if unknown or not reported

Variable 61 AIMS Physiometrics Available

Variable Name: aims_physiometrics

Data Type: int

Description: Reported device readings for this case in NACOR

Permitted values / value range:

1 if present

-1 if unknown or not reported

Variable 62 CRNA's work at this practice

Variable Name: crna_work_this_practice

Data Type: int

Description: Practice reports (survey) working with CRNA's

Permitted values / value range:

0 = No

1 = Yes

-1 if unknown or not reported

Variable 63 CRNA's reported in data

Variable Name: crna_reported_this_practice

Data Type: int

Description: Practice reports (data) working with CRNA's

Permitted values / value range:

0 = No

1 = Yes

-1 if unknown or not reported

Variable 64 1st Provider ID

Variable Name: prov1

Data Type: int

Description: Unique provider ID associated with a case

Permitted values / value range:

positive integer (-1 if not present)

Variable 65 2nd Provider ID

Variable Name: prov2

Data Type: int

Description: Unique provider ID associated with a case

Permitted values / value range:

positive integer (-1 if not present)

Variable 66 3rd Provider ID

Variable Name: prov3

Data Type: int

Description: Unique provider ID associated with a case

Permitted values / value range:

positive integer (-1 if not present)

Variable 67 4th Provider ID

Variable Name: prov4

Data Type: int

Description: Unique provider ID associated with a case

Permitted values / value range:

positive integer (-1 if not present)

Variable 68 5th Provider ID

Variable Name: prov5

Data Type: int

Description: Unique provider ID associated with a case

Permitted values / value range:

positive integer (-1 if not present)

Variable 69 6th Provider ID

Variable Name: prov6

Data Type: int

Description: Unique provider ID associated with a case

Permitted values / value range:

positive integer (-1 if not present)

Variable 70 7th Provider ID

Variable Name: prov7

Data Type: int

Description: Unique provider ID associated with a case

Permitted values / value range:

positive integer (-1 if not present)

Variable 71 8th Provider ID

Variable Name: prov8

Data Type: int

Description: Unique provider ID associated with a case

Permitted values / value range:

positive integer (-1 if not present)

Variable 72 9th Provider ID

Variable Name: prov9

Data Type: int

Description: Unique provider ID associated with a case

Permitted values / value range:

positive integer (-1 if not present)

Variable 73 10th Provider ID

Variable Name: prov10

Data Type: int

Description: Unique provider ID associated with a case

Permitted values / value range:

positive integer (-1 if not present)

Variable 74 Primary Surgical CPT Base Value Time Units

Variable Name: cpt_time_units

Data Type: int

Description: Base value time unit used in conjunction with other factors to create compensation level for services provided

Permitted values / value range:

positive integer (0 through 30, -1 if unknown)

Variable 75 Concurrent Cases

Variable Name: concurrent_cases

Data Type: int

Description: Total number of concurrent cases taking place in the facility at the time of the procedure

Permitted values / value range:

positive integer (-1 if imputation is not possible)

Variable 76 Number of Providers

Variable Name: number_of_providers

Data Type: int

Description: Total number of anesthesia providers present

Permitted values / value range:

positive integer (-1 if unknown)

Variable 77 US Government defined holidays

Variable Name: holiday

Data Type: int

Description: Procedure date of service holiday indicator

Permitted values / value range:

1 = New Year's Day

2 = Martin Luther King Day

3 = Presidents' Day

4 = Easter

5 = Memorial Day

6 = Independence Day

7 = Labor Day

8 = Columbus Day

9 = Veterans Day

10 = Thanksgiving Day

11 = Christmas Day

Variable 78 Day of the week of procedure date of service

Variable Name: day_of_week

Data Type: int

Description: Day of the week for procedure date of service

Permitted values / value range:

1 = Sunday

2 = Monday

3 = Tuesday

4 = Wednesday

5 = Thursday

6 = Friday

7 = Saturday

Variable 79 Time of day of date of service

Variable Name: shift

Data Type: int

Description: Time of day of day of service represented as working shift

Permitted values / value range:

1 = Day shift (time of service between 7:00 and 17:00)

2 = After hours shift (time of service between 17:01 and 06:59)

Variable 80 Surgical Group

Variable Name: surgical_group

Data Type: char

Description: Surgical group identified by the primary CPT code

Permitted values / value range:

Auditory System

Cardiovascular

Category III Codes

Digestive

Endocrine

Eye & Ocular Adnexa

Female Genital

Integumentary

Male Genital

Maternity / Delivery

Medicine

Musculoskeletal

Nervous System

Radiology

Respiratory

Unknown

Urinary System

Variable 81 Quality Indicator Denominator: Airway obstruction

Variable Name: QI_001_denominator

Data Type: int

Description: Obstructed airway

Permitted values / value range:

0 = Case not eligible for outcome

1 = Case eligible for outcome

Variable 82 Quality Indicator Numerator: Airway obstruction

Variable Name: QI_001_numerator

Data Type: int

Description: Obstructed airway

Permitted values / value range:

0 = No Event

1 = Event Occurred

Variable 83 Quality Indicator Denominator: Adverse drug reaction

Variable Name: QI_002_denominator

Data Type: int

Description: Adverse drug reaction

Permitted values / value range:

0 = Case not eligible for outcome

1 = Case eligible for outcome

Variable 84 Quality Indicator Numerator: Adverse drug reaction

Variable Name: QI_002_numerator

Data Type: int

Description: Adverse drug reaction

Permitted values / value range:

0 = No Event

1 = Event Occurred

Variable 85 Quality Indicator Denominator: Case cancelled

Variable Name: QI_004_denominator

Data Type: int

Description: Case cancelled, Case cancelled medical

Permitted values / value range:

0 = Case not eligible for outcome

1 = Case eligible for outcome

Variable 86 Quality Indicator Numerator: Case cancelled

Variable Name: QI_004_numerator

Data Type: int

Description: Case cancelled, Case cancelled medical

Permitted values / value range:

0 = No Event

1 = Event Occurred

Variable 87 Quality Indicator Denominator: Case Delay

Variable Name: QI_005_denominator

Data Type: int

Description: Case delay, Case delay equipment, Case delay medical, Case delay staffing

Permitted values / value range:

0 = Case not eligible for outcome

1 = Case eligible for outcome

Variable 88 Quality Indicator Numerator: Case Delay

Variable Name: QI_005_numerator

Data Type: int

Description: Case delay, Case delay equipment, Case delay medical, Case delay staffing

Permitted values / value range:

0 = No Event

1 = Event Occurred

Variable 89 Quality Indicator Denominator: Arrhythmia

Variable Name: QI_006_denominator

Data Type: int

Description: Arrhythmia, Bradyarrhythmia, Tachyarrhythmia

Permitted values / value range:

0 = Case not eligible for outcome

1 = Case eligible for outcome

Variable 90 Quality Indicator Numerator: Arrhythmia

Variable Name: QI_006_numerator

Data Type: int

Description: Arrhythmia, Bradyarrhythmia, Tachyarrhythmia

Permitted values / value range:

0 = No Event

1 = Event Occurred

Variable 91 Quality Indicator Denominator: Bradycardia

Variable Name: QI_007_denominator

Data Type: int

Description: Bradycardia, Fetal bradycardia, Sinus Bradycardia

Permitted values / value range:

0 = Case not eligible for outcome

1 = Case eligible for outcome

Variable 92 Quality Indicator Numerator: Bradycardia

Variable Name: QI_007_numerator

Data Type: int

Description: Bradycardia, Fetal bradycardia, Sinus Bradycardia

Permitted values / value range:

0 = No Event

1 = Event Occurred

Variable 93 Quality Indicator Denominator: Cardiac arrest

Variable Name: QI_008_denominator

Data Type: int

Description: Cardiac arrest

Permitted values / value range:

0 = Case not eligible for outcome

1 = Case eligible for outcome

Variable 94 Quality Indicator Numerator: Cardiac arrest

Variable Name: QI_008_numerator

Data Type: int

Description: Cardiac arrest

Permitted values / value range:

0 = No Event

1 = Event Occurred

Variable 95 Quality Indicator Denominator: Death

Variable Name: QI_009_denominator

Data Type: int

Description: Death

Permitted values / value range:

0 = Case not eligible for outcome

1 = Case eligible for outcome

Variable 96 Quality Indicator Numerator: Death

Variable Name: QI_009_numerator

Data Type: int

Description: Death

Permitted values / value range:

0 = No Event

1 = Event Occurred

Variable 97 Quality Indicator Denominator: Anaphylaxis

Variable Name: QI_010_denominator

Data Type: int

Description: Anaphylaxis

Permitted values / value range:

0 = Case not eligible for outcome

1 = Case eligible for outcome

Variable 98 Quality Indicator Numerator: Anaphylaxis

Variable Name: QI_010_numerator

Data Type: int

Description: Anaphylaxis

Permitted values / value range:

0 = No Event

1 = Event Occurred

Variable 99 Quality Indicator Denominator: CNS Injury

Variable Name: QI_011_denominator

Data Type: int

Description: Injury

Permitted values / value range:

0 = Case not eligible for outcome

1 = Case eligible for outcome

Variable 100 Quality Indicator Numerator: CNS Injury

Variable Name: QI_011_numerator

Data Type: int

Description: Injury

Permitted values / value range:

0 = No Event

1 = Event Occurred

Variable 101 Quality Indicator Denominator: Awareness

Variable Name: QI_012_denominator

Data Type: int

Description: Awareness

Permitted values / value range:

0 = Case not eligible for outcome

1 = Case eligible for outcome

Variable 102 Quality Indicator Numerator: Awareness

Variable Name: QI_012_numerator

Data Type: int

Description: Awareness

Permitted values / value range:

0 = No Event

1 = Event Occurred

Variable 103 Quality Indicator Denominator: Aspiration

Variable Name: QI_013_denominator

Data Type: int

Description: Aspiration

Permitted values / value range:

0 = Case not eligible for outcome

1 = Case eligible for outcome

Variable 104 Quality Indicator Numerator: Aspiration

Variable Name: QI_013_numerator

Data Type: int

Description: Aspiration

Permitted values / value range:

0 = No Event

1 = Event Occurred

Variable 105 Quality Indicator Denominator: Extended PACU Stay

Variable Name: QI_014_denominator

Data Type: int

Description: Extended PACU stay, Extended PACU stay medical, Extended PACU stay staffing

Permitted values / value range:

0 = Case not eligible for outcome

1 = Case eligible for outcome

Variable 106 Quality Indicator Numerator: Extended PACU Stay

Variable Name: QI_014_numerator

Data Type: int

Description: Extended PACU stay, Extended PACU stay medical, Extended PACU stay staffing

Permitted values / value range:

0 = No Event

1 = Event Occurred

Variable 107 Quality Indicator Denominator: Difficult airway

Variable Name: QI_015_denominator

Data Type: int

Description: Difficult airway

Permitted values / value range:

0 = Case not eligible for outcome

1 = Case eligible for outcome

Variable 108 Quality Indicator Numerator: Difficult airway

Variable Name: QI_015_numerator

Data Type: int

Description: Difficult airway

Permitted values / value range:

0 = No Event

1 = Event Occurred

Variable 109 Quality Indicator Denominator: Hemodynamic instability

Variable Name: QI_016_denominator

Data Type: int

Description: Hemodynamic instability

Permitted values / value range:

0 = Case not eligible for outcome

1 = Case eligible for outcome

Variable 110 Quality Indicator Numerator: Hemodynamic instability

Variable Name: QI_016_numerator

Data Type: int

Description: Hemodynamic instability

Permitted values / value range:

0 = No Event

1 = Event Occurred

Variable 111 Quality Indicator Denominator: Hypotension

Variable Name: QI_017_denominator

Data Type: int

Description: Hypotension

Permitted values / value range:

0 = Case not eligible for outcome

1 = Case eligible for outcome

Variable 112 Quality Indicator Numerator: Hypotension

Variable Name: QI_017_numerator

Data Type: int

Description: Hypotension

Permitted values / value range:

0 = No Event

1 = Event Occurred

Variable 113 Quality Indicator Denominator: Equipment failure

Variable Name: QI_018_denominator

Data Type: int

Description: Equipment failure

Permitted values / value range:

0 = Case not eligible for outcome

1 = Case eligible for outcome

Variable 114 Quality Indicator Numerator: Equipment failure

Variable Name: QI_018_numerator

Data Type: int

Description: Equipment failure

Permitted values / value range:

0 = No Event

1 = Event Occurred

Variable 115 Quality Indicator Denominator: Eye injury

Variable Name: QI_019_denominator

Data Type: int

Description: Corneal abrasion, Injury

Permitted values / value range:

0 = Case not eligible for outcome

1 = Case eligible for outcome

Variable 116 Quality Indicator Numerator: Eye injury

Variable Name: QI_019_numerator

Data Type: int

Description: Corneal abrasion, Injury

Permitted values / value range:

0 = No Event

1 = Event Occurred

Variable 117 Quality Indicator Denominator: Delayed emergence

Variable Name: QI_020_denominator

Data Type: int

Description: Delayed emergence

Permitted values / value range:

0 = Case not eligible for outcome

1 = Case eligible for outcome

Variable 118 Quality Indicator Numerator: Delayed emergence

Variable Name: QI_020_numerator

Data Type: int

Description: Delayed emergence

Permitted values / value range:

0 = No Event

1 = Event Occurred

Variable 119 Quality Indicator Denominator: Infection

Variable Name: QI_021_denominator

Data Type: int

Description: Epidural abcess, Sepsis, SSI

Permitted values / value range:

0 = Case not eligible for outcome

1 = Case eligible for outcome

Variable 120 Quality Indicator Numerator: Infection

Variable Name: QI_021_numerator

Data Type: int

Description: Epidural abcess, Sepsis, SSI

Permitted values / value range:

0 = No Event

1 = Event Occurred

Variable 121 Quality Indicator Denominator: Malignant Hyperthermia

Variable Name: QI_022_denominator

Data Type: int

Description: Malignant Hyperthermia

Permitted values / value range:

0 = Case not eligible for outcome

1 = Case eligible for outcome

Variable 122 Quality Indicator Numerator: Malignant Hyperthermia

Variable Name: QI_022_numerator

Data Type: int

Description: Malignant Hyperthermia

Permitted values / value range:

0 = No Event

1 = Event Occurred

Variable 123 Quality Indicator Denominator: Medication error

Variable Name: QI_023_denominator

Data Type: int

Description: Medication error, Medication error missed dose, Medication error not prescribed, Medication error wrong dose, Medication error wrong drug

Permitted values / value range:

0 = Case not eligible for outcome

1 = Case eligible for outcome

Variable 124 Quality Indicator Numerator: Medication error

Variable Name: QI_023_numerator

Data Type: int

Description: Medication error, Medication error missed dose, Medication error not prescribed, Medication error wrong dose, Medication error wrong drug

Permitted values / value range:

0 = No Event

1 = Event Occurred

Variable 125 Quality Indicator Denominator: Local Anesthetic Toxicity

Variable Name: QI_024_denominator

Data Type: int

Description: Local anesthetic toxicity

Permitted values / value range:

0 = Case not eligible for outcome

1 = Case eligible for outcome

Variable 126 Quality Indicator Numerator: Local Anesthetic Toxicity

Variable Name: QI_024_numerator

Data Type: int

Description: Local anesthetic toxicity

Permitted values / value range:

0 = No Event

1 = Event Occurred

Variable 127 Quality Indicator Denominator: Inadequate pain control

Variable Name: QI_025_denominator

Data Type: int

Description: Inadequate pain control

Permitted values / value range:

0 = Case not eligible for outcome

1 = Case eligible for outcome

Variable 128 Quality Indicator Numerator: Inadequate pain control

Variable Name: QI_025_numerator

Data Type: int

Description: Inadequate pain control

Permitted values / value range:

0 = No Event

1 = Event Occurred

Variable 129 Quality Indicator Denominator: ICU admission

Variable Name: QI_027_denominator

Data Type: int

Description: ICU admission

Permitted values / value range:

0 = Case not eligible for outcome

1 = Case eligible for outcome

Variable 130 Quality Indicator Numerator: ICU admission

Variable Name: QI_027_numerator

Data Type: int

Description: ICU admission

Permitted values / value range:

0 = No Event

1 = Event Occurred

Variable 131 Quality Indicator Denominator: Myocardial infarction

Variable Name: QI_028_denominator

Data Type: int

Description: Myocardial infarction

Permitted values / value range:

0 = Case not eligible for outcome

1 = Case eligible for outcome

Variable 132 Quality Indicator Numerator: Myocardial infarction

Variable Name: QI_028_numerator

Data Type: int

Description: Myocardial infarction

Permitted values / value range:

0 = No Event

1 = Event Occurred

Variable 133 Quality Indicator Denominator: Myocardial ischemia

Variable Name: QI_029_denominator

Data Type: int

Description: Myocardial ischemia

Permitted values / value range:

0 = Case not eligible for outcome

1 = Case eligible for outcome

Variable 134 Quality Indicator Numerator: Myocardial ischemia

Variable Name: QI_029_numerator

Data Type: int

Description: Myocardial ischemia

Permitted values / value range:

0 = No Event

1 = Event Occurred

Variable 135 Quality Indicator Denominator: Neurologic deficit

Variable Name: QI_030_denominator

Data Type: int

Description: Neurologic deficit, Neurologic deficit

Permitted values / value range:

0 = Case not eligible for outcome

1 = Case eligible for outcome

Variable 136 Quality Indicator Numerator: Neurologic deficit

Variable Name: QI_030_numerator

Data Type: int

Description: Neurologic deficit, Neurologic deficit

Permitted values / value range:

0 = No Event

1 = Event Occurred

Variable 137 Quality Indicator Denominator: Peripheral Injury

Variable Name: QI_031_denominator

Data Type: int

Description: Injury

Permitted values / value range:

0 = Case not eligible for outcome

1 = Case eligible for outcome

Variable 138 Quality Indicator Numerator: Peripheral Injury

Variable Name: QI_031_numerator

Data Type: int

Description: Injury

Permitted values / value range:

0 = No Event

1 = Event Occurred

Variable 139 Quality Indicator Denominator: Patient Injury

Variable Name: QI_032_denominator

Data Type: int

Description: Bruising, Burns, DVT, Dysphagia, Edema, Epidural hematoma, Facial necrosis, Fall, Hearing loss, Injury, Medical error, Organ failure, Renal failure, Skin injury, Subcutaneous emphysema, Ulcer, Vascular injury

Permitted values / value range:

0 = Case not eligible for outcome

1 = Case eligible for outcome

Variable 140 Quality Indicator Numerator: Patient Injury

Variable Name: QI_032_numerator

Data Type: int

Description: Bruising, Burns, DVT, Dysphagia, Edema, Epidural hematoma, Facial necrosis, Fall, Hearing loss, Injury, Medical error, Organ failure, Renal failure, Skin injury, Subcutaneous emphysema, Ulcer, Vascular injury

Permitted values / value range:

0 = No Event

1 = Event Occurred

Variable 141 Quality Indicator Denominator: Post dural puncture headache

Variable Name: QI_034_denominator

Data Type: int

Description: Post dural puncture headache

Permitted values / value range:

0 = Case not eligible for outcome

1 = Case eligible for outcome

Variable 142 Quality Indicator Numerator: Post dural puncture headache

Variable Name: QI_034_numerator

Data Type: int

Description: Post dural puncture headache

Permitted values / value range:

0 = No Event

1 = Event Occurred

Variable 143 Quality Indicator Denominator: Pneumothorax

Variable Name: QI_035_denominator

Data Type: int

Description: Pneumothorax

Permitted values / value range:

0 = Case not eligible for outcome

1 = Case eligible for outcome

Variable 144 Quality Indicator Numerator: Pneumothorax

Variable Name: QI_035_numerator

Data Type: int

Description: Pneumothorax

Permitted values / value range:

0 = No Event

1 = Event Occurred

Variable 145 Quality Indicator Denominator: Pulmonary edema

Variable Name: QI_036_denominator

Data Type: int

Description: Negative-pressure pulmonary edema , Pulmonary edema

Permitted values / value range:

0 = Case not eligible for outcome

1 = Case eligible for outcome

Variable 146 Quality Indicator Numerator: Pulmonary edema

Variable Name: QI_036_numerator

Data Type: int

Description: Negative-pressure pulmonary edema , Pulmonary edema

Permitted values / value range:

0 = No Event

1 = Event Occurred

Variable 147 Quality Indicator Denominator: Nausea / Vomiting

Variable Name: QI_037_denominator

Data Type: int

Description: Nausea, PONV, Vomiting

Permitted values / value range:

0 = Case not eligible for outcome

1 = Case eligible for outcome

Variable 148 Quality Indicator Numerator: Nausea / Vomiting

Variable Name: QI_037_numerator

Data Type: int

Description: Nausea, PONV, Vomiting

Permitted values / value range:

0 = No Event

1 = Event Occurred

Variable 149 Quality Indicator Denominator: Seizure

Variable Name: QI_038_denominator

Data Type: int

Description: Seizure

Permitted values / value range:

0 = Case not eligible for outcome

1 = Case eligible for outcome

Variable 150 Quality Indicator Numerator: Seizure

Variable Name: QI_038_numerator

Data Type: int

Description: Seizure

Permitted values / value range:

0 = No Event

1 = Event Occurred

Variable 151 Quality Indicator Denominator: Stroke

Variable Name: QI_039_denominator

Data Type: int

Description: Stroke, TIA

Permitted values / value range:

0 = Case not eligible for outcome

1 = Case eligible for outcome

Variable 152 Quality Indicator Numerator: Stroke

Variable Name: QI_039_numerator

Data Type: int

Description: Stroke, TIA

Permitted values / value range:

0 = No Event

1 = Event Occurred

Variable 153 Quality Indicator Denominator: Reintubation

Variable Name: QI_040_denominator

Data Type: int

Description: Unplanned reintubation

Permitted values / value range:

0 = Case not eligible for outcome

1 = Case eligible for outcome

Variable 154 Quality Indicator Numerator: Reintubation

Variable Name: QI_040_numerator

Data Type: int

Description: Unplanned reintubation

Permitted values / value range:

0 = No Event

1 = Event Occurred

Variable 155 Quality Indicator Denominator: Respiratory Arrest

Variable Name: QI_041_denominator

Data Type: int

Description: Respiratory Arrest

Permitted values / value range:

0 = Case not eligible for outcome

1 = Case eligible for outcome

Variable 156 Quality Indicator Numerator: Respiratory Arrest

Variable Name: QI_041_numerator

Data Type: int

Description: Respiratory Arrest

Permitted values / value range:

0 = No Event

1 = Event Occurred

Variable 157 Quality Indicator Denominator: Respiratory failure

Variable Name: QI_042_denominator

Data Type: int

Description: Respiratory failure

Permitted values / value range:

0 = Case not eligible for outcome

1 = Case eligible for outcome

Variable 158 Quality Indicator Numerator: Respiratory failure

Variable Name: QI_042_numerator

Data Type: int

Description: Respiratory failure

Permitted values / value range:

0 = No Event

1 = Event Occurred

Variable 159 Quality Indicator Denominator: Transfusion

Variable Name: QI_043_denominator

Data Type: int

Description: Transfusion

Permitted values / value range:

0 = Case not eligible for outcome

1 = Case eligible for outcome

Variable 160 Quality Indicator Numerator: Transfusion

Variable Name: QI_043_numerator

Data Type: int

Description: Transfusion

Permitted values / value range:

0 = No Event

1 = Event Occurred

Variable 161 Quality Indicator Denominator: Transfusion reaction

Variable Name: QI_045_denominator

Data Type: int

Description: Transfusion reaction

Permitted values / value range:

0 = Case not eligible for outcome

1 = Case eligible for outcome

Variable 162 Quality Indicator Numerator: Transfusion reaction

Variable Name: QI_045_numerator

Data Type: int

Description: Transfusion reaction

Permitted values / value range:

0 = No Event

1 = Event Occurred

Variable 163 Quality Indicator Denominator: Unplanned admission

Variable Name: QI_046_denominator

Data Type: int

Description: Unplanned admission

Permitted values / value range:

0 = Case not eligible for outcome

1 = Case eligible for outcome

Variable 164 Quality Indicator Numerator: Unplanned admission

Variable Name: QI_046_numerator

Data Type: int

Description: Unplanned admission

Permitted values / value range:

0 = No Event

1 = Event Occurred

Variable 165 Quality Indicator Denominator: Urinary retention

Variable Name: QI_047_denominator

Data Type: int

Description: Urinary retention

Permitted values / value range:

0 = Case not eligible for outcome

1 = Case eligible for outcome

Variable 166 Quality Indicator Numerator: Urinary retention

Variable Name: QI_047_numerator

Data Type: int

Description: Urinary retention

Permitted values / value range:

0 = No Event

1 = Event Occurred

Variable 167 Quality Indicator Denominator: Vision loss

Variable Name: QI_048_denominator

Data Type: int

Description: Vision loss

Permitted values / value range:

0 = Case not eligible for outcome

1 = Case eligible for outcome

Variable 168 Quality Indicator Numerator: Vision loss

Variable Name: QI_048_numerator

Data Type: int

Description: Vision loss

Permitted values / value range:

0 = No Event

1 = Event Occurred

Variable 169 Quality Indicator Denominator: Wrong patient

Variable Name: QI_049_denominator

Data Type: int

Description: Wrong patient

Permitted values / value range:

0 = Case not eligible for outcome

1 = Case eligible for outcome

Variable 170 Quality Indicator Numerator: Wrong patient

Variable Name: QI_049_numerator

Data Type: int

Description: Wrong patient

Permitted values / value range:

0 = No Event

1 = Event Occurred

Variable 171 Quality Indicator Denominator: Wrong procedure

Variable Name: QI_050_denominator

Data Type: int

Description: Wrong procedure

Permitted values / value range:

0 = Case not eligible for outcome

1 = Case eligible for outcome

Variable 172 Quality Indicator Numerator: Wrong procedure

Variable Name: QI_050_numerator

Data Type: int

Description: Wrong procedure

Permitted values / value range:

0 = No Event

1 = Event Occurred

Variable 173 Quality Indicator Denominator: Wrong site

Variable Name: QI_051_denominator

Data Type: int

Description: Wrong site

Permitted values / value range:

0 = Case not eligible for outcome

1 = Case eligible for outcome

Variable 174 Quality Indicator Numerator: Wrong site

Variable Name: QI_051_numerator

Data Type: int

Description: Wrong site

Permitted values / value range:

0 = No Event

1 = Event Occurred

Variable 175 Patient home zip code

Variable Name: patient_zip_code

Data Type: int

Description: Reported patient zip code, note the last two digits have been obscured in accordance with HIPAA requirements

Permitted values / value range:

positive integer (-1 if unknown)

Variable 176 Patient home state

Variable Name: patient_state

Data Type: char

Description: Reported patient state abbreviation

Permitted values / value range:

Standard US state abbreviations

Variable 177 US Region based on patient home zip code

Variable Name: patient_us_region

Data Type: char

Description: Census region as defined by the US Census (http://www.census.gov/geo/maps-data/maps/pdfs/reference/us_regdiv.pdf)

Permitted values / value range:

Region 1: Northeast

Region 3: South

Region 4: West

Unknown (Patient zip code reported as Unknown)

-1 (Not reported)

Variable 178 US Census zip code population

Variable Name: zip_code_population

Data Type: int

Description: US Census 5 year data 2009 - 2013 linked using patient zip code, US Census reported zip code population

Permitted values / value range:

positive integer (-1 if unknown)

Variable 179 US Census urban / rural

Variable Name: zip_code_urban_rural

Data Type: int

Description: US Census 5 year data 2009 - 2013 linked using patient zip code, US Census reported urban / rural designation, note if the zip code has both designations, this is indicated

Permitted values / value range:

Not Reported

Rural

Urban

Urban-Rural

Variable 180 US Census median age by zip code

Variable Name: median_age_by_zip_code

Data Type: int

Description: US Census 5 year data 2009 - 2013 linked using patient zip code, US Census reported median age by zip code

Permitted values / value range:

positive integer (-1 if unknown)

Variable 181 US Census median female age by zip code

Variable Name: median_female_age_by_zip_code

Data Type: int

Description: US Census 5 year data 2009 - 2013 linked using patient zip code, US Census reported median female age by zip code

Permitted values / value range:

positive integer (-1 if unknown)

Variable 182 US Census median male age by zip code

Variable Name: median_male_age_by_zip_code

Data Type: int

Description: US Census 5 year data 2009 - 2013 linked using patient zip code, US Census reported median male age by zip code

Permitted values / value range:

positive integer (-1 if unknown)

Variable 183 US Census Race (White) population

Variable Name: race_white_population

Data Type: int

Description: US Census 5 year data 2009 - 2013 linked using patient zip code, US Census reported white race population by zip code

Permitted values / value range:

positive integer (-1 if unknown)

Variable 184 US Census Race (Black or African American) population

Variable Name: race_black_african_american_population

Data Type: int

Description: US Census 5 year data 2009 - 2013 linked using patient zip code, US Census reported black or african american population by zip code

Permitted values / value range:

positive integer (-1 if unknown)

Variable 185 US Census Race (American Indian or Alaskan Native) population

Variable Name: race_american_indian_alaska_native_population

Data Type: int

Description: US Census 5 year data 2009 - 2013 linked using patient zip code, US Census reported american indian or alaskan native population by zip code

Permitted values / value range:

positive integer (-1 if unknown)

Variable 186 US Census Race (Asian) population

Variable Name: race_asian_population

Data Type: int

Description: US Census 5 year data 2009 - 2013 linked using patient zip code, US Census reported asian population by zip code

Permitted values / value range:

positive integer (-1 if unknown)

Variable 187 US Census Race (Native Hawaiian or Pacific Islander) population

Variable Name: race_native_hawaiian_pacific_islander_population

Data Type: int

Description: US Census 5 year data 2009 - 2013 linked using patient zip code, US Census reported native hawaiian or pacific islander population by zip code

Permitted values / value range:

positive integer (-1 if unknown)

Variable 188 US Census Race (Other) population

Variable Name: race_other_population

Data Type: int

Description: US Census 5 year data 2009 - 2013 linked using patient zip code, US Census reported other race by zip code

Permitted values / value range:

positive integer (-1 if unknown)

Variable 189 US Census median income by zip code

Variable Name: median_income_by_zip_code

Data Type: int

Description: US Census 5 year data 2009 - 2013 linked using patient zip code, US Census reported median income by zip code

Permitted values / value range:

positive integer (-1 if unknown)

Variable 190 US Census mean income lowest quintile by zip code

Variable Name: mean_income_lowest_quintile_by_zip_code

Data Type: int

Description: US Census 5 year data 2009 - 2013 linked using patient zip code, US Census reported mean income lowest quintile by zip code

Permitted values / value range:

positive integer (-1 if unknown)

Variable 191 US Census mean income highest quintile by zip code

Variable Name: mean_income_highest_quintile_by_zip_code

Data Type: int

Description: US Census 5 year data 2009 - 2013 linked using patient zip code, US Census reported mean income highest quintile by zip code

Permitted values / value range:

positive integer (-1 if unknown)

Please direct any questions to:

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