

22 CCR § 97170

§ 97170. Definitions, as Used in this Article.

- (a) California CABG Outcomes Reporting Program (CCORP). California CABG Outcomes Reporting Program means the Office's program charged with collecting coronary artery bypass graft (CABG) surgery data and publishing reports on the risk-adjusted outcomes for the procedure.
- (b) Cardiac Online Reporting for California (CORC). CORC means the OSHPD Cardiac Online Reporting for California system that is the online transmission system through which reports are submitted using an Internet web browser either by file transfer or data entry. It is a secure means of electronic transmission of data in an automated environment.
- (c) Computer system date. Computer system date means the date that exists on the computer system used for data automation at the time of data entry.
- (d) Coronary artery bypass graft (CABG) surgery. CABG surgery means a procedure performed to bypass blockages or obstructions of the coronary arteries, and includes both isolated CABG surgeries and nonisolated CABG surgeries, as defined by Subsection (a)(2) of Section 97174.
- (e) Days. Days are defined as calendar days unless otherwise specified.
- (f) Designee. Designee means the person authorized by the Chief Executive Officer of the hospital to sign the CCORP Hospital Certification Form (OSH-CCORP 416 (New 10/02)).
- (g) Discharge. A discharge means a person who was formally admitted to a hospital as an inpatient for observation, diagnosis, or treatment, with the expectation of remaining overnight or longer, and who is released from the hospital under one of the following circumstances:
 - (1) is formally released from the care of the hospital and leaves the hospital,
 - (2) transfers within the hospital from one type of care to another type of care, as defined in Section 97212 of Title 22 of the California Code of Regulations, or (3) has died.
- (h) Facility identification number. Facility identification number means a unique six-digit number assigned to each hospital by CCORP.
- (i) Licensee. Licensee means an entity that has been issued a license to operate a hospital, as defined in the Health and Safety Code Section 128700.
- (j) Record. Record means the set of data elements required to be reported for each CABG surgery, as set forth in Section 97174.
- (k) Report. Report means the collection of all required records filed by a hospital for a reporting period, pursuant to Section 97172.
- (l) Responsible surgeon. Responsible surgeon means the principle surgeon who performs a coronary artery bypass procedure. If a trainee performs this procedure, then the responsible surgeon is the physician responsible for supervising this procedure performed by the trainee. In situations in which a responsible surgeon cannot otherwise be determined, the responsible surgeon is the surgeon who bills for the coronary artery bypass procedure.
- (m) User Account Administrator. A hospital representative responsible for maintaining the hospital's CORC user accounts and user account contact information.

Note: Authority cited: Section 128810, Health and Safety Code. Reference: Section 128745, Health and Safety Code.

HISTORY

1. New article 7 (sections 97170-97198) and section filed 4-29-2003; operative 4-29-2003 pursuant to Government Code section 11343.4 (Register 2003, No. 18).

2. Amendment of subsections (f)-(f)(1) filed 2-2-2006; operative 3-4-2006 (Register 2006, No. 5).
3. Amendment of subsection (b), subsection relettering, amendment of newly designated subsection (h) and new subsection (m) filed 2-24-2010; operative 2-24-2010 pursuant to Government Code section 11343.4 (Register 2010, No. 9).

This database is current through 3/30/18 Register 2018, No. 13

22 CCR § 97170, 22 CA ADC § 97170

22 CCR § 97172

§ 97172. Required Reporting.

(a) A hospital where coronary artery bypass graft (CABG) surgery is performed shall file a report semiannually with the Office. This Section shall not apply to a hospital where all CABG surgeries performed are on patients under 18 years of age on the date of surgery.

(b) A report shall contain a record for each CABG surgery patient 18 years or older on the date of surgery who was discharged from the hospital during the reporting period, pursuant to Section 97176. Note: Authority cited: Section 128810, Health and Safety Code. Reference: Section 128745, Health and Safety Code.

HISTORY

1. New section filed 4-29-2003; operative 4-29-2003 pursuant to Government Code section 11343.4 (Register 2003, No. 18).
2. Amendment of subsection (a) filed 2-2-2006; operative 3-4-2006 (Register 2006, No. 5).
3. Amendment of subsection (a) filed 2-24-2010; operative 2-24-2010 pursuant to Government Code section 11343.4 (Register 2010, No. 9).

This database is current through 3/30/18 Register 2018, No. 13

22 CCR § 97172, 22 CA ADC § 97172

22 CCR § 97174.97174.

Required data elements.

(a) For patients discharged on or after January 1, 2018, a hospital shall submit the following data elements for each CABG surgery according to the format, valid value, category and definitions/descriptions listed herein. For all data elements categorized as postoperative events, with the exception of Deep Sternal Infection/Mediastinitis, report only if the postoperative event occurred during the hospitalization for CABG surgery.

(1) Medical Record Number:

(A) Format: Alphanumeric, length 12

(B) Valid Values: Free text

(C) Category: Demographics

(D) Definition/Description: Indicate the patient's medical record number at the hospital where surgery occurred.

(2) Type of Coronary Artery Bypass Graft (CABG):

(A) Format: Numeric, length 1

(B) Valid Values: 1 = Isolated CABG; 3 = CABG + Valve; 4= Other non-isolated CABG

(C) Category: Operative

(D) Definition/Description: Indicate the type of CABG.

- (i) Type of CABG should be coded Isolated CABG if none of the procedures listed in this subsection was performed concurrently with the coronary artery bypass surgery.
 - (a) Valve repairs or replacements
 - (b) Operations on structures adjacent to heart valves (papillary muscle, chordae tendineae, traebeculae carnae cordis, annuloplasty, infundibulectomy
 - (c) Ventriculectomy when diagnosed preoperatively as a rupture, aneurysm or remodeling procedure. Excludes 1) sites intra-operatively diagnosed, 2) patch applications for site oozing discovered during surgery and 3) prophylactic patch applications to reduce chances of future rupture
 - (d) Repair of atrial and ventricular septa, excluding closure of patent foramen ovale
 - (e) Excision of aneurysm of heart
 - (f) Head and neck, intracranial endarterectomy
 - (g) Other open heart surgeries, such as aortic arch repair, pulmonary endarterectomy
 - (h) Endarterectomy of aorta
 - (i) Thoracic endarterectomy (endarterectomy on an artery outside the heart)
 - (j) Carotid endarterectomy
 - (k) Heart transplantation
 - (l) Repair of certain congenital cardiac anomalies, excluding closure of patent foramen ovale (e.g., tetralogy of fallot, atrial septal defect (ASD), ventricular septal defect (VSD), valvular abnormality)
 - (m) Any aortic aneurysm repair (abdominal or thoracic)
 - (n) Aorta-subclavian-carotid bypass
 - (o) Aorta-renal bypass
 - (p) Aorta-iliac-femoral bypass
 - (q) Caval-pulmonary artery anastomosis
 - (r) Extracranial-intracranial (EC-IC) vascular bypass
 - (s) Coronary artery fistula
 - (t) Resection of a lobe or segment of the lung (e.g., lobectomy or segmental resection of lung). Does not include simple biopsy of lung nodule in which surrounding lung is not resected, biopsy of a thoracic lymph node, or excision or stapling of an emphysematous bleb.

- (u) Pleural decortication
 - (v) Mastectomy for breast cancer (not simple breast biopsy)
 - (w) Amputation of any part of an extremity (e.g., foot or toe)
 - (x) Resection of LV aneurysm
 - (y) Ventricular Assist Device (VAD) as bridge to transplant
 - (z) Septal myectomy with hypertrophic obstructive cardiomyopathy (aa) Full open MAZE
- (ii) Type of CABG should be coded CABG + Valve if none of the procedures listed in this subsection were performed concurrently with a CABG that included aortic valve replacement (AVR), mitral valve replacement (MVR), mitral valve repair (MV repair), or AVR+MVR/MV repair.
- (a) Pulmonic Valve Procedure
 - (b) Tricuspid Valve Procedure
 - (c) Ventriculectomy when diagnosed preoperatively as a rupture, aneurysm or remodeling procedure. Excludes 1) sites intra-operatively diagnose, 2) patch application for site oozing discovered during surgery, and 3) prophylactic patch applications to reduce chances of future rupture
 - (d) Repair of atrial and ventricular septa, excluding closure of patent foramen ovale
 - (e) Excision of aneurysm of heart
 - (f) Head and neck intracranial endarterectomy
 - (g) Other open heart surgeries such as aortic arch repair, pulmonary endarterectomy
 - (h) Endarterectomy of aorta
 - (i) Thoracic endarterectomy (endarterectomy on an artery outside the heart)
 - (j) Carotid endarterectomy
 - (k) Resection of LV aneurysm
 - (l) Heart transplantation
 - (m) Repair of congenital cardiac anomalies such as tetralogy of fallot, atrial septal defect (ASD), ventricular septal defect (VSD), or other complex anomaly
 - (n) Any aortic aneurysm repair (abdominal or thoracic)
 - (o) Repair of aortic dissection
 - (p) Aorta-subclavian-carotid-bypass
 - (q) Aorta-renal bypass

- (r) Aorta-iliac-femoral bypass
- (s) Caval-pulmonary artery anastomosis
- (t) Extracranial-intracranial (EC-IC) vascular bypass
- (u) Coronary artery fistula
- (v) Resection of a lobe or segment of the lung (e.g., lobectomy or segmental resection of lung). Does not include simple biopsy of lung nodule in which surrounding lung is not resected, biopsy of a thoracic lymph node or excision or stapling of an emphysematous bleb
- (w) Pleural Decortication
- (x) Mastectomy for breast cancer (not simple breast biopsy)
- (y) Amputation of any extremity (e.g., foot or toe)
- (z) Resection of LV aneurysm
- (aa) Ventricular Assist Device (VAD) as a bridge to transplant
- (bb) Infundibulectomy
- (cc) Septal myectomy with hypertrophic obstructive cardiomyopathy
- (dd) Full Open MAZE for Aortic Valve cases only (epicardial MAZE procedures are not excluded and Full Open procedures are not excluded for Mitral Valve)

(iii) Type of CABG should be coded Other Non-isolated CABG if case is not included in Isolated CABG or CABG + Valve

(3) Date of Surgery:

(A) Format: Numeric, length 8

(B) Valid Values: mmddyyyy

(C) Category: Hospitalization

(D) Definition/Description: Indicate the date of index cardiac surgical procedure. Index cardiac surgical procedure is defined as the initial major cardiac surgical procedure of the hospitalization.

(4) Date of Birth:

(A) Format: Numeric, length 8

(B) Valid Values: mmddyyyy

(C) Category: Demographics

(D) Definition/Description: Indicate the patient's date of birth using 4-digit format for year.

(5) Patient Age:

(A) Format: Numeric, length 3

(B) Valid Values: 18 - 110

(C) Category: Demographics

- (D) Definition/Description: Indicate the patient's age in years, at time of surgery. This should be calculated from the date of birth and the date of surgery, according to the convention used in the USA (the number of birthdate anniversaries reached by the date of surgery).
- (6) Sex:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = Male; 2 = Female
 - (C) Category: Demographics
 - (D) Definition/Description: Indicate the patient's sex at birth as either male or female.
- (7) Race Documented:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = Yes; 2 = No; 3 = Patient declined to disclose
 - (C) Category: Demographics
 - (D) Definition/Description: Indicate whether the race is documented.
- (8) Race - White:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = Yes; 2 = No
 - (C) Category: Demographics
 - (D) Definition/Description: Indicate whether the patient's race, as determined by the patient or family, includes White. "White" refers to a person having origins in any of the original peoples of Europe, the Middle East, or North Africa. It includes people who indicated their race(s) as "White" or reported entries such as Irish, German, Italian, Lebanese, Arab, Moroccan, or Caucasian.
- (9) Race - Black/African American:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = Yes; 2 = No
 - (C) Category: Demographics
 - (D) Definition/Description: Indicate whether the patient's race, as determined by the patient or family, includes Black / African American. "Black or African American" refers to a person having origins in any of the Black racial groups of Africa. It includes people who indicated their race(s) as "Black, African Am., or Negro" or reported entries such as African American, Kenyan, Nigerian, or Haitian.
- (10) Race - Asian:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = Yes; 2 = No
 - (C) Category: Demographics
 - (D) Definition/Description: Indicate whether the patient's race, as determined by the patient or family, includes Asian. "Asian" refers to a person having origins in any of the original peoples of the Far East, Southeast Asia, or the Indian subcontinent, including, for example, Cambodia, China, India, Japan, Korea, Malaysia, Pakistan, the Philippine Islands, Thailand, and Vietnam. It includes people who indicated their

race(s) as "Asian" or reported entries such as "Asian Indian", "Chinese", "Filipino", "Korean" Japanese", "Vietnamese", and "Other Asian" or provided other detailed Asian responses.

(11) Race - American Indian/Alaskan Native:

- (A) Format: Numeric, length 1
- (B) Valid Values: 1 = Yes; 2 = No
- (C) Category: Demographics
- (D) Definition/Description: Indicate whether the patient's race, as determined by the patient or family, includes American Indian / Alaskan Native. "American Indian or Alaska Native" refers to a person having origins in any of the original peoples of North and South America (including Central America) and who maintains tribal affiliation or community attachment. This category includes people who indicated their race(s) as "American Indian or Alaska Native" or reported their enrolled or principal tribe, such as Navajo, Blackfeet, Inupiat, Yup'ik, or Central American Indian groups or South American Indian groups.

(12) Race - Native Hawaiian/Pacific Islander:

- (A) Format: Numeric, length 1
- (B) Valid Values: 1 = Yes; 2 = No
- (C) Category: Demographics
- (D) Definition/Description: Indicate whether the patient's race, as determined by the patient or family, includes Native Hawaiian / Pacific Islander. "Native Hawaiian or Other Pacific Islander" refers to a person having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands. It includes people who indicated their race(s) as "Pacific Islander" or reported entries such as "Native Hawaiian", "Guamanian or Chamorro", "Samoan", and "Other Pacific Islander" or provided other detailed Pacific Islander responses.

(13) Race - Other:

- (A) Format: Numeric, length 1
- (B) Valid Values: 1 = Yes; 2 = No
- (C) Category: Demographics
- (D) Definition/Description: Indicate whether the patient's race, as determined by the patient or family, includes any other race. "Some Other Race" includes all other responses not included in the White, Black or African American, American Indian or Alaska Native, Asian, and Native Hawaiian or Other Pacific Islander race categories described above.

(14) Hispanic or Latino or Spanish Ethnicity:

- (A) Format: Numeric, length 1
- (B) Valid Values: 1 = Yes; 2 = No; 3 = Not Documented
- (C) Category: Demographics
- (D) Definition/Description: Indicate if the patient is of Hispanic, Latino or Spanish ethnicity as reported by the patient / family. "Hispanic, Latino or Spanish" refers to a

person of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin regardless of race.

- (15) Date of Discharge:
- (A) Format: Numeric, length 8
 - (B) Valid Values: mmddyyyy
 - (C) Category: Hospitalization
 - (D) Definition/Description: Indicate the date the patient was discharged from the hospital (acute care) even if the patient is going to a rehab or hospice or similar extended care unit within the same physical facility. If the patient died in the hospital, the discharge date is the date of death.
- (16) Discharge/Mortality Status:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = In hospital, alive; 2 = Died in hospital; 3=Discharged alive, last known status is alive; 4 = Discharged alive, died after discharge
 - (C) Category: Mortality
 - (D) Definition/Description: Indicate the discharge and current vital status of patient.
- (17) Mortality Date:
- (A) Format: Numeric, length 8
 - (B) Valid Values: mmddyyyy
 - (C) Category: Mortality
 - (D) Definition/Description: Indicate the date the patient was declared dead.
- (18) Responsible Surgeon Name (3 separate fields):
- (A) Format: Surgeon Last Name text length 25 (alpha) Surgeon First Name text length 20 (alpha) Surgeon Middle Initial text length 1(alpha)
 - (B) Valid Values: Free Text
 - (C) Category: Operative
 - (D) Definition/Description: The responsible surgeon is the surgeon as defined in Section 97170.
- (19) Responsible Surgeon CA License Number:
- (A) Format: Alphanumeric, length 9
 - (B) Valid Values: Free text
 - (C) Category: Operative
 - (D) Definition/Description: California physician license number of responsible surgeon, assigned by the Medical Board of California of the Department of Consumer Affairs.
- (20) Height (cm):
- (A) Format: Numeric, length 4
 - (B) Valid Values: 20.0-251.0 cm
 - (C) Category: Risk Factors
 - (D) Definition/Description: Indicate height nearest to the date of surgery in centimeters.
- (21) Weight (kg):

- (A) Format: Numeric, length 4
- (B) Valid Values: 10.0 - 250.0 kg
- (C) Category: Risk Factors
- (D) Definition/Description: Indicate weight closest to the date of surgery in kilograms.

(22) Diabetes:

- (A) Format: Numeric, length 1
- (B) Valid Values: 1 = Yes; 2 = No; 3=Unknown
- (C) Category: Risk Factors
- (D) Definition/Description: History of diabetes diagnosed and/or treated by a healthcare provider. The American Diabetes Association criteria include documentation of the following:
 - (i) A1c $\geq 6.5\%$;
 - (ii) Fasting plasma glucose ≥ 126 mg/dl (7.0 mmol/l);
 - (iii) Two-hour plasma glucose ≥ 200 mg/dl (11.1 mmol/l) during an oral glucose tolerance test;
 - (iv) In a patient with classic symptoms of hyperglycemia or hyperglycemic crisis, a random plasma glucose ≥ 200 mg/dl (11.1 mmol/l)
 - 1. This does not include gestational diabetes.

(23) Diabetes Control:

- (A) Format: Numeric, length 1
- (B) Valid Values: 1 = None; 2 = Diet only; 3 = Oral; 4 = Insulin; 5 = Other; 6= Other subcutaneous medication; 7 = Unknown
- (C) Category: Risk Factors
- (D) Definitions/Descriptions: Indicate the patient's control method as presented on admission. Patients placed on a preprocedure diabetic pathway of insulin drip at admission but whose diabetes was controlled by diet or oral method are not coded as being treated with insulin. Choose the most aggressive therapy from the order below
 - (i) Insulin: insulin treatment (includes any combination with insulin)
 - (ii) Other subcutaneous medications (e.g., GLP-1 agonist)
 - (iii) Oral: treatment with oral agent (includes oral agent with or without diet treatment)
 - (iv) Diet only: Treatment with diet only
 - (v) None: no treatment for diabetes
 - (vi) Other: other adjunctive treatment, non-oral/insulin/diet (vii) Unknown

(24) Dialysis:

- (A) Format: Numeric, length 1
- (B) Valid Values: 1 = Yes; 2 = No; 3 = Unknown
- (C) Category: Risk Factors

(D) Definition/Description: Indicate whether the patient is currently (prior to surgery) undergoing dialysis. Refers to whether the patient is currently on dialysis, not distant past history.

(25) Hypertension:

(A) Format: Numeric, length 1

(B) Valid Values: 1 = Yes; 2 = No; 3 = Unknown

(C) Category: Risk Factors

(D) Definition/Description: Indicate if the patient has a current diagnosis of hypertension defined by any one of the following:

(i) History of hypertension diagnosed and treated with medication, diet and/or exercise;

(ii) Prior documentation of blood pressure >140 mmHg systolic or 90 mmHg diastolic for patients without diabetes or chronic kidney disease, or prior documentation of blood pressure >130 mmHg systolic or 80 mmHg diastolic on at least 2 occasions for patients with diabetes or chronic kidney disease;

(iii) Currently undergoing pharmacologic therapy for treatment of hypertension.

(26) Endocarditis:

(A) Format: Numeric, length 1

(B) Valid Values: 1 = Yes; 2 = No

(C) Category: Risk Factors

(D) Definition/Description: Endocarditis must meet the current CDC definition. Choose "Yes" for patients with pre-operative endocarditis who begin antibiotics post-op. Code "Yes" for patients who are diagnosed intraoperatively:

(i) Patient has organisms cultured from valve or vegetation;

(ii) Patient has 2 or more of the following signs or symptoms: fever (>38°C), new or changing murmur, embolic phenomena, skin manifestations (i.e., petechiae, splinter hemorrhages, painful subcutaneous nodules), congestive heart failure, or cardiac conduction abnormality with no other recognized cause and at least 1 of the following:

1. Organisms cultured from 2 or more blood cultures

2. Organisms seen on Gram's stain of valve when culture is negative or not done

3. Valvular vegetation seen during an invasive procedure or autopsy

4. Positive laboratory test on blood or urine (e.g., antigen tests for H influenzae, S pneumoniae, N meningitidis, or Group B Streptococcus)

5. Evidence of new vegetation seen on echocardiogram and if diagnosis is made antemortem, physician institutes appropriate antimicrobial therapy.

(27) Infectious Endocarditis Type:

(A) Format: Numeric, Length 1

(B) Valid Values: 1 = Treated; 2 = Active

(C) Category: Risk Factors

(D) Indicate the type of endocarditis the patient has. If the patient is currently being treated for endocarditis, the disease is considered active. If no antibiotic medication (other than prophylactic medication) is being given at the time of surgery and the cultures are negative, then the infection is considered treated.

(28) Chronic Lung Disease:

(A) Format: Numeric, length 1

(B) Valid Values: 1 = No; 2 = Mild; 3 = Moderate; 4 = Severe; 5 = Lung disease documented, severity unknown; 6 = Unknown

(C) Category: Risk Factors

(D) Definition/Description: Indicate whether the patient has chronic lung disease, and the severity level according to the following classification: (i) No;

(ii) Mild: FEV1 60% to 75% of predicted, and/or on chronic inhaled or oral bronchodilator therapy;

(iii) Moderate: FEV1 50% to 59% of predicted, and/or on chronic oral/systemic steroid therapy aimed at lung disease;

(iv) Severe: FEV1 <50% and/or Room Air pO₂ <60 or pCO₂ > 50.

(v) Chronic Lung Disease present, severity not documented

(vi) Unknown

(29) Liver Disease

(A) Format: Numeric, length 1

(B) Valid Values: 1 = Yes; 2 = No; 3 = Unknown

(C) Category: Risk Factors

(D) Definition/Description: Indicate whether the patient has a history of hepatitis B, hepatitis C, cirrhosis, portal hypertension, esophageal varices, chronic alcohol abuse or congestive hepatopathy. Exclude NASH in the absence of cirrhosis.

(30) Immunocompromise:

(A) Format: Numeric, length 1

(B) Valid Values: 1 = Yes; 2 = No; 3 = Unknown

(C) Category: Risk Factors

(D) Definition/Description: Indicate whether immunocompromise is present due to immunosuppressive medication therapy within 30 days preceding the operative procedure or existing medical condition (see training manual). This includes, but is not limited to, systemic steroid therapy, anti-rejection medications and chemotherapy. This does not include topical steroid applications, one time systemic therapy, inhaled steroid therapy or preoperative protocol.

(31) Peripheral Arterial Disease:

(A) Format: Numeric, length 1

(B) Valid Values: 1 = Yes; 2 = No; 3 = Unknown

(C) Category: Risk Factors

- (D) Definition/Description: Indicate whether the patient has a history of peripheral arterial disease (includes upper and lower extremity, renal, mesenteric, and abdominal aortic systems). This can include:
- (i) claudication, either with exertion or at rest;
 - (ii) amputation for arterial vascular insufficiency;
 - (iii) vascular reconstruction, bypass surgery, or percutaneous intervention to the extremities (excluding dialysis fistulas and vein stripping);
 - (iv) documented abdominal aortic aneurysm with or without repair;
 - (v) positive noninvasive test (e.g., ankle brachial index \leq 0.9, ultrasound, magnetic resonance or computed tomography imaging of $>$ 50% diameter stenosis in any peripheral artery, i.e., renal, subclavian, femoral, iliac) or angiographic imaging.
- Peripheral arterial disease excludes disease in the carotid or cerebrovascular arteries or thoracic aorta. PVD does not include DVT

(32) Cerebrovascular Disease:

- (A) Format: Numeric, length 1
- (B) Valid Values: 1 = Yes; 2 = No; 3 = Unknown
- (C) Category: Risk Factors
- (D) Definition/Description: Indicate whether the patient has a current or previous history of any of the following:
 - (i) Stroke: Stroke is an acute episode of focal or global neurological dysfunction caused by brain, spinal cord, or retinal vascular injury as a result of hemorrhage or infarction, where the neurological dysfunction lasts for greater than 24 hours.
 - (ii) TIA: is defined as a transient episode of focal neurological dysfunction caused by brain, spinal cord, or retinal ischemia, without acute infarction, where the neurological dysfunction resolves within 24 hours.
 - (iii) Noninvasive or invasive arterial imaging test demonstrating \geq 50% stenosis of any of the major extracranial or intracranial vessels to the brain
 - (iv) Previous cervical or cerebral artery revascularization surgery or percutaneous intervention. This does not include chronic (nonvascular) neurological diseases or other acute neurological insults such as metabolic and anoxic ischemic encephalopathy.

(33) Prior CVA:

- (A) Format: Numeric, length 1
- (B) Valid Values: 1 = Yes; 2 = No; 3 = Unknown
- (C) Category: Risk Factors
- (D) Definition/Description: Indicate whether the patient has a history of stroke. Stroke is an acute episode of focal or global neurological dysfunction caused by brain, spinal cord, or retinal vascular injury as a result of hemorrhage or infarction, where the neurological dysfunction lasts for greater than 24 hours.

(34) Prior CVA - When:

- (A) Format: Numeric, length 1

- (B) Valid Values: 3 = <=30 days; 4= >30 days
 - (C) Category: Risk Factors
 - (D) Definition/Description: Indicate when the CVA events occurred. Those events occurring within 30 days of the surgical procedure are considered recent, while all others are considered remote.
- (35) CVD TIA:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = Yes; 2 = No; 3 = Unknown
 - (C) Category: Risk Factors
 - (D) Definition/Description: Indicate whether the patient has a history of a Transient Ischemic Attack (TIA): Transient ischemic attack (TIA) is defined as a transient episode of focal neurological dysfunction caused by brain, spinal cord, or retinal ischemia, without acute infarction, where the neurological dysfunction resolves within 24 hours.
- (36) CVD Carotid Stenosis:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = None; 2 = Right; 3 = Left; 4 = Both; 5 = Not Documented
 - (C) Category: Risk Factors
 - (D) Definition/Description: Indicate which carotid artery was determined from any diagnostic test to be >=50% stenotic.
- (37) CVD Carotid Stenosis - Right:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 3 = 50% to 79%; 1 = 80% to 99%; 2 = 100%; 4 = Not documented (C)
Category: Risk Factors
 - (D) Definition/Description: Indicate the severity of stenosis reported on the right carotid artery.
- (38) CVD Carotid Stenosis – Left:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 3 = 50% to 79%; 1 = 80% to 99%; 2 = 100%; 4 = Not documented (C)
Category: Risk Factors
 - (D) Definition/Description: Indicate the severity of stenosis reported on the left carotid artery.
- (39) CVD Prior Carotid Surgery:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = Yes; 2 = No
 - (C) Category: Risk Factors
 - (D) Definition/Description: Indicate whether the patient has a history of previous carotid artery surgery and/or stenting.
- (40) Last Creatinine Level:
- (A) Format: Numeric, length 4

- (B) Valid Values: 0.10 - 30.00 (C) Category: Risk Factors
 - (D) Definition/Description: Indicate the creatinine level closest to the date and time prior surgery but prior to anesthetic management (induction area or operating room).
- (41) Total Albumin:
- (A) Format: Numeric, length 4
 - (B) Valid Values: 1.00 - 10.00
 - (C) Category: Risk Factors
 - (D) Definition/Description: Indicate the total albumin closest to the date and time prior to surgery but prior to anesthetic management (induction area or operating room).
- (42) Total Bilirubin:
- (A) Format: Numeric, length 4
 - (B) Valid Values: 0.10 - 50.00
 - (C) Category: Risk Factors
 - (D) Definition/Description: Indicate the total Bilirubin closest to the date and time prior to surgery but prior to anesthetic management (induction area or operating room).
- (43) INR:
- (A) Format: Numeric, length 4
 - (B) Valid Values: 0.50 - 30.00
 - (C) Category: Risk Factors
 - (D) Definition/Description: Indicate the International Normalized Ratio (INR) at the date and time closest to surgery but prior to anesthetic management (induction area or operating room).
- (44) Previous CABG:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = Yes; 2 = No
 - (C) Category: Previous Cardiac Interventions
 - (D) Definition/Description: Indicate whether the patient had a previous Coronary Bypass Graft prior to the current admission.
- (45) Previous Valve:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = Yes; 2 = No
 - (C) Category: Previous Cardiac Interventions
 - (D) Definition/Description: Indicate whether the patient had a previous surgical replacement and/or surgical repair of a cardiac valve. This may also include percutaneous valve procedures.
- (46) Previous PCI:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = Yes; 2 = No
 - (C) Category: Previous Cardiac Interventions

- (D) Definition/Description: Indicate whether a previous Percutaneous Cardiac Intervention (PCI) was performed any time prior to this surgical procedure. Percutaneous Cardiac Intervention (PCI) is the placement of an angioplasty guide wire, balloon, or other device (e.g. stent, atherectomy, brachytherapy, or thrombectomy catheter) into a native coronary artery or coronary artery bypass graft for the purpose of mechanical coronary revascularization.
- (47) Previous PCI - Interval:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = <=6 Hours; 2 = > 6 Hours
 - (C) Category: Previous Cardiac Interventions
 - (D) Definition/Description: Indicate the interval of time between the previous PCI and the current surgical procedure.
- (48) Prior MI:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = Yes; 2 = No; 3 = Unknown
 - (C) Category: Preoperative Cardiac Status
 - (D) Definition/Description: Indicate if the patient has had at least one documented previous myocardial infarction at any time prior to this surgery.
- (49) MI - When:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = <=6 Hrs.; 2 = >6 Hrs but <24 Hrs; 3 = 1 to 7 Days; 4 = 8 to 21 Days; 5 = >21 Days.
 - (C) Category: Preoperative Cardiac Status
 - (D) Definition/Description: Indicate the time period between the last documented myocardial infarction and surgery.
- (50) Heart Failure:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = Yes; 2 = No; 3 = Unknown
 - (C) Category: Preoperative Cardiac Status
 - (D) Definition/Description: Indicate if there is physician documentation or report that the patient has been in a state of heart failure.
- (51) Heart Failure Timing:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = Acute; 2 = Chronic; 3 = Both
 - (C) Category: Preoperative Cardiac Status
 - (D) Definition/Description: Indicate whether heart failure is acute, chronic or both (acute or chronic).
 - (i) Acute: New onset or worsening heart failure within 2 weeks prior to this procedure.
 - (ii) Chronic: More that 2 weeks prior to this procedure.

(iii) Both: Worsening heart failure with 2 weeks prior to this procedure.

(52) Classification - NYHA:

(A) Format: Numeric, length 1

(B) Valid Values: 1 = Class I; 2 = Class II; 3 = Class III; 4 = Class IV

(C) Category: Preoperative Cardiac Status

(D) Definition/Description: Indicate the patient's worst dyspnea or functional class, coded as the New York Heart Association (NYHA) classification within the past 2 weeks. This is to be used for heart failure only, it is not intended to classify angina.

(i) Class I: Patient has cardiac disease but without resulting limitations of ordinary physical activity. Ordinary physical activity (e.g., walking several blocks or climbing stairs) does not cause undue fatigue, palpitation, or dyspnea.

(ii) Class II: Patient has cardiac disease resulting in slight limitation of ordinary physical activity. Patient is comfortable at rest. Ordinary physical activity such as walking more than two blocks or climbing more than one flight of stairs results in limiting symptoms (e.g., fatigue, palpitation, or dyspnea).

(iii) Class III: Patient has cardiac disease resulting in marked limitation of physical activity. Patient is comfortable at rest. Less than ordinary physical activity (e.g., walking one to two level blocks or climbing one flight of stairs) causes fatigue, palpitation, or dyspnea.

(iv) Class IV: Patient has cardiac disease resulting in inability to perform any physical activity without discomfort. Symptoms may be present even at rest or minimal exertion. If any physical activity is undertaken, discomfort is increased.

(53) Cardiogenic Shock:

(A) Format: Numeric, length 1

(B) Valid Values: 3 = Yes, at the time of the procedure; 4 = Yes, not at the time of the procedure, but within prior 24 hours; 2 = No

(C) Category: Preoperative Cardiac Status

(D) Definition/Description: Indicate if the patient developed cardiogenic shock. Cardiogenic shock is defined as a sustained (>30 min) episode of hypoperfusion evidenced by systolic blood pressure <90 mm Hg and/or, if available, cardiac index <2.2 L/min per square meter determined to be secondary to cardiac dysfunction and/or the requirement for parenteral inotropic or vasopressor agents or mechanical support (e.g., IABP, extracorporeal circulation, VADs) to maintain blood pressure and cardiac index above those specified levels. Note: Transient episodes of hypotension reversed with IV fluid or atropine do not constitute cardiogenic shock. The hemodynamic compromise (with or without extraordinary supportive therapy) must persist for at least 30 min.

(54) Resuscitation:

(A) Format: Numeric, length 1

(B) Valid Values: 3 = Yes, within 1 hour of the start of the procedure; 4 = Yes, more than 1 hour but less than 24 hours of the start of the procedure; 2 = No

(C) Category: Preoperative Cardiac Status

- (D) Definition/Description: Indicate whether the patient required cardiopulmonary resuscitation before the start of the operative procedure which includes the institution of anesthetic management. Capture resuscitation timeframe: within 1 hour or 1-24 hours pre-op.
- (55) Cardiac Arrhythmia:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = Yes; 2 = No; 3 = Unknown
 - (C) Category: Preoperative Cardiac Status
 - (D) Definition/Description: Indicate whether the patient has a history of a cardiac rhythm disturbance before the start of the operative procedure which includes the institution of anesthetic management.
- (56) Cardiac Arrhythmia - VTach/VFib:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = None; 2 = Remote (more than 30 days prior to procedure); 3 = Recent (within 30 days prior to procedure)
 - (C) Category: Preoperative Cardiac Status
 - (D) Definition/Description: Indicate whether arrhythmia was VTach or VFib
- (57) Cardiac Arrhythmia - Aflutter:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = None; 2 = Remote (more than 30 days prior to procedure); 3 = Recent (within 30 days prior to procedure)
 - (C) Category: Preoperative Cardiac Status
 - (D) Definition/Description: Indicate whether arrhythmia was atrial flutter.
- (58) Cardiac Arrhythmia – Third Degree Heart Block:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = None; 2 = Remote (more than 30 days prior to procedure); 3 = Recent (within 30 days prior to procedure)
 - (C) Category: Preoperative Cardiac Status
 - (D) Definition/Description: Indicate whether arrhythmia was third degree heart block.
- (59) Cardiac Arrhythmia – Atrial fibrillation:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1= None; 2= Remote (>30 days); 3= Recent (<30days)
 - (C) Category: Preoperative Cardiac Status
 - (D) Definition/Description: Indicate whether arrhythmia was atrial fibrillation.
- (60) Cardiac Arrhythmia – Atrial fibrillation Type:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 2 = Paroxysmal; 4 = Persistent; 5 = Longstanding Persistent; 6 = Permanent (C) Category: Preoperative Cardiac Status
 - (D) Definition/Description: Indicate whether arrhythmia was atrial fibrillation and if so, which type.

- (61) Warfarin Use (within 5 days):
- (A) Format: Numeric, Length 1
 - (B) Valid Values: 1 = Yes; 2 = No; 3 = Unknown
 - (C) Category: Preoperative Medications
 - (D) Definition/Description: Indicate whether the patient received warfarin (Coumadin) within 5 days preceding surgery.
- (62) Coronary Anatomy/Disease Known:
- (A) Format: Numeric, Length 1
 - (B) Valid Values: 1 = Yes; 2 = No
 - (C) Category: Hemodynamics / Cath / Echo
 - (D) Definition/Description: Indicate whether coronary artery anatomy and/or disease is documented and available prior to surgery.
- (63) Number of Diseased Vessels:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = None; 2 = One; 3 = Two; 4 = Three
 - (C) Category: Hemodynamics / Cath / Echo
 - (D) Definition/Description: Indicate the number of diseased major native coronary vessel systems: LAD system, Circumflex system, and/or Right system with $\geq 50\%$ narrowing of any vessel preoperatively.
 - (i) NOTE: Left main disease ($\geq 50\%$) is counted as TWO vessels (LAD and Circumflex, which may include a Ramus Intermedius). For example, left main and RCA would count as three total. A vessel that has ever been considered diseased should always be considered diseased.
- (64) Percent Native Artery Stenosis Known:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = Yes; 2 = No
 - (C) Category: Hemodynamics / Cath / Echo
 - (D) Definition/Description: Indicate whether the percent stenosis of native coronary stenosis is known.
- (65) Percent Stenosis - Left Main: (A) Format: Numeric, length 3
- (B) Valid Values: 0 - 100
 - (C) Category: Hemodynamics / Cath / Echo
 - (D) Definition/Description: Indicate the highest percent stenosis in this vessel at the time of surgery.
- (66) Ejection Fraction Done:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = Yes; 2 = No
 - (C) Category: Hemodynamics / Cath / Echo
 - (D) Definition/Description: Indicate whether the Ejection Fraction was measured prior to the induction of anesthesia.

(67) Ejection Fraction (%):

- (A) Format: Numeric, length 3
- (B) Valid Values: 1.0 - 99.0
- (C) Category: Hemodynamics / Cath / Echo
- (D) Definition/Description: Indicate the percentage of the blood emptied from the left ventricle at the end of the contraction. Use the most recent determination prior to the surgical intervention documented on a diagnostic report.
 - (i) Enter a percentage in the range of 1 - 99. If a percentage range is reported, report a whole number using the "mean" (i.e., 50-55%, is reported as 53%).
Values reported as:
 1. Hyperdynamic: > 70%
 2. Normal: 50% -70% (midpoint 60%)
 3. Mild dysfunction: 40% - 49% (midpoint 45%)
 4. Moderate dysfunction: 30% -39% (midpoint 35%)
 5. Severe dysfunction: <30%
 - a. NOTE: If no diagnostic report is in the medical record, a value documented in the progress record is acceptable.

(68) PA Systolic Pressure Measured:

- (A) Format: Numeric, length 1
- (B) Valid Values: 1 = Yes; 2 = No
- (C) Category: Hemodynamics / Cath / Echo
- (D) Definition/Description: Indicate whether the PA systolic pressure was measured prior to induction.

(69) PA Systolic Pressure:

- (A) Format: Numeric, length 4
- (B) Valid Values: 10.0 - 150.0
- (C) Category: Hemodynamics / Cath / Echo
- (D) Definition/Description: Capture the highest PA systolic pressure recorded prior to induction.

(70) Insufficiency - Mitral:

- (A) Format: Numeric, length 1
- (B) Valid Values: 0 = None; 1 = Trivial/Trace; 2 = Mild; 3 = Moderate; 4 = Severe; 5 = Not documented
- (C) Category: Hemodynamics / Cath / Echo
- (D) Definition/Description: Indicate whether there is evidence of Mitral valve insufficiency/regurgitation. Enter degree of insufficiency reported closest to induction and no more than 6 months prior to surgery.
 - (i) Enter the highest level recorded in the chart. "Moderately severe" should be coded as "Severe".

(71) Incidence:

- (A) Format: Numeric, length 1
- (B) Valid Values: 1 = First cardiovascular surgery; 2 = First re-op cardiovascular surgery; 3 = Second re-op cardiovascular surgery; 4 = Third re-op cardiovascular surgery; 5 = Fourth or more re-op cardiovascular surgery
- (C) Category: Operative
- (D) Definition/Description: Indicate if this is the patient's:
 - (i) First surgery;
 - (ii) First re-op surgery;
 - (iii) Second re-op surgery;
 - (iv) Third re-op surgery;
 - (v) Fourth or more re-op surgery
 - 1. Surgery is defined as cardiothoracic operations (heart or great vessels) surgical procedures performed with or without cardiopulmonary bypass (CPB). Also include lung procedures utilizing CPB or tracheal procedures utilizing CPB. Reoperation increases risk due to the presence of scar tissue and adhesions.

(72) Status:

- (A) Format: Numeric, length 1
- (B) Valid Values: 1 = Elective; 2 = Urgent; 3 = Emergent; 4 = Emergent Salvage
- (C) Category: Operative
- (D) Definition/Description: Indicate the clinical status of the patient prior to entering the operating room:
 - (i) Elective: The patient's cardiac function has been stable in the days or weeks prior to the operation. The procedure could be deferred without increased risk of compromised cardiac outcome.
 - (ii) Urgent: Procedure required during same hospitalization in order to minimize chance of further clinical deterioration. Examples include but are not limited to: Worsening, sudden chest pain, CHF, acute myocardial infarction (AMI), anatomy, IABP, unstable angina (USA) with intravenous (IV) nitroglycerin (NTG) or rest angina.
 - (iii) Emergent: Patients requiring emergency operations will have ongoing, refractory (difficult, complicated, and/or unmanageable) unremitting cardiac compromise, with or without hemodynamic instability, and not responsive to any form of therapy except cardiac surgery. An emergency operation is one in which there should be no delay in providing operative intervention.
 - (iv) Emergent Salvage: The patient is undergoing CPR en route to the OR or prior to anesthesia induction or has ongoing ECMO to maintain life.

(73) Urgent Or Emergent Reason:

- (A) Format: Numeric, length 2

(B) Valid Values: 1 = AMI; 2 = Anatomy; 3 = Aortic Aneurysm; 4 = Aortic Dissection; 5 = CHF; 6 = Device Failure; 7 = Diagnostic/Interventional Procedure Complication; 8 = Endocarditis; 10 = IABP; 11 = Infected Device; 12 = Intracardiac mass or thrombus; 13 = Ongoing Ischemia; 14 = PCI Incomplete without Clinical Deterioration; 15 = PCI or attempted PCI with Clinical Deterioration; 16 = Pulmonary Edema; 17 = Pulmonary Embolus; 18= Rest Angina; 19 = Shock Circulatory Support; 20 = Shock No Circulatory Support; 21 = Syncope; 22 = Transplant; 23 = Trauma; 24 = USA; 25 = Valve Dysfunction; 26 = Worsening CP; 27 = Other; 28 = Failed Transcatheter Valve Therapy – Acute, annular disruption; 29 = Failed Transcatheter Valve Therapy – Acute, device malposition; 30 = Failed Transcatheter Valve Therapy – Subacute, device dysfunction

(C) Category: Operative

(D) Definition/Description: Choose one reason from the list in (72)(B) above that best describes why this operation was considered urgent or emergent.

(74) CPB Utilization:

(A) Format: Numeric, length 1

(B) Valid Values: 1 = None; 2 = Combination; 3 = Full

(C) Category: Operative

(D) Definition/Description: Indicate the level of CPB or coronary perfusion used during the procedure:

(i) None: No CPB or coronary perfusion used during the procedure.

(ii) Combination: With or without CPB and/or with or without coronary perfusion at any time during the procedure (capture conversions from off-pump to onpump only):

1. At start of procedure: No CPB/No Coronary Perfusion -> conversion to -> CPB,
2. At start of procedure: No CPB/No Coronary Perfusion -> conversion to -> Coronary perfusion, or
3. At start of procedure: No CPB/No Coronary Perfusion -> conversion to > Coronary perfusion -> conversion to -> CPB.

(iii) Full: CPB or coronary perfusion was used for the entire procedure.

(75) CPB Utilization-Combination Plan:

(A) Format: Numeric, length 1

(B) Valid Values: 1 = Planned; 2 = Unplanned

(C) Category: Operative

(D) Definition/Description: Indicate whether the combination procedure from off-pump to on-pump was a planned or an unplanned conversion.

(i) Planned: The surgeon intended to treat with any of the combination options described in "CPB utilization".

(ii) Unplanned: The surgeon did not intend to treat with any of the combination options described in "CPB utilization".

(76) IMA Artery Used:

- (A) Format: Numeric, length 1
- (B) Valid Values: 1 = Yes; 2 = No
- (C) Category: Coronary Bypass
- (D) Definition/Description: Indicate whether an internal mammary artery conduit was used.

(77) Reason for No IMA:

- (A) Format: Numeric, length 1
- (B) Valid Values: 2 = Subclavian Stenosis; 3 = Previous cardiac or thoracic surgery; 4 = Previous mediastinal radiation; 5 = Emergent or salvage procedure; 6 = No LAD disease (includes LAD with no bypassable disease); 7 = Other
- (C) Category: Coronary Bypass
- (D) Definition/Description: Indicate the primary reason from (76)(B) above that Internal Mammary Artery was not used as documented in the medical record:

(78) Valve:

- (A) Format: Numeric, length 1
- (B) Valid Values: 1 = Yes; 2 = No
- (C) Category: Operative
- (D) Definition/Description: Indicate whether a surgical procedure was done on the Aortic, Mitral, Tricuspid or Pulmonic valves.

(79) Aortic Valve:

- (A) Format: Numeric, length 1
- (B) Valid Values: 3 = Yes, planned; 4 = Yes, unplanned due to surgical complication; 5 = Yes, unplanned due to unsuspected disease or anatomy; 2 = No
- (C) Category: Valve Surgery
- (D) Definition/Description: Indicate whether an aortic valve procedure was performed.

(80) Aortic Valve Procedure:

- (A) Format: Numeric, length 1
- (B) Valid Values: 1 = Replacement; 2 = Repair/Reconstruction
- (C) Category: Valve Surgery
- (D) Definition/Description: Indicate procedure performed on aortic valve and/or ascending aorta.

(81) Mitral Valve:

- (A) Format: Numeric, length 1
- (B) Valid Values: 3 = Yes, planned; 4 = Yes, unplanned due to surgical complication; 5 = Yes, unplanned due to unsuspected disease or anatomy; 2 = No (C)
- Category: Valve Surgery
- (D) Definition/Description: Indicate whether a mitral valve procedure was performed.

(82) Mitral Valve Procedure:

- (A) Format: Numeric, length 1
- (B) Valid Values: 1 = Repair; 2 = Replacement

- (C) Category: Valve Surgery
 - (D) Definition/Description: Indicate the type of procedure that was performed on the mitral valve
- (83) Tricuspid Valve:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 3 = Yes, planned; 4 = Yes, unplanned due to surgical complication; 5 = Yes, unplanned due to unsuspected disease or anatomy; 2 = No (C)
- Category: Valve Surgery
- (D) Definition/Description: Indicate whether a surgical procedure was done or not done on the Tricuspid Valve.
- (84) Pulmonic Valve:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 3 = Yes, planned; 4 = Yes, unplanned due to surgical complication; 5 = Yes, unplanned due to unsuspected disease or anatomy; 2 = No (C)
- Category: Valve Surgery
- (D) Definition/Description: Indicate whether a surgical procedure was done or not done on the Pulmonic Valve.
- (85) Reoperation for Bleed:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = Yes; 2 = No
- (C) Category: Postoperative Events
- (D) Definition/Description: Indicate whether the patient was reexplored for mediastinal bleeding with or without tamponade either in the ICU or returned to the operating room.
- (86) Reintervention – Myocardial Ischemia:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = Yes; 2 = No
- (C) Category: Postoperative Events
- (D) Definition/Description: Indicate whether the patient required postoperative reintervention for Myocardial Ischemia.
- (87) Reintervention – Myocardial Ischemia Vessel:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = Native Coronary; 2 = Graft; 3 = Both
- (C) Category: Postoperative Events
- (D) Definition/Description: Indicate the type of vessels that required post-operative reintervention for Myocardial Ischemia.
- (88) Deep Sternal Infection/Mediastinitis:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 3 = Yes, within 30 days of procedure; 4 = Yes, >30 days after procedure but during hospitalization for surgery; 2 = No

- (C) Category: Postoperative Events
 - (D) Definition/Description: Indicate whether a Deep Sternal Wound Infection or Mediastinitis occurred within 30 days following the surgery.
- (89) Neuro – Stroke Permanent:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 2 = No; 3 = Yes, hemorrhagic; 4 = Yes, ischemic; 5 = Yes, undetermined type
 - (C) Category: Postoperative Events
 - (D) Definition/Description: Indicate whether the patient has a postoperative stroke and the type of stroke (i.e., any confirmed neurological deficit of abrupt onset caused by a disturbance in blood supply to the brain) that did not resolve within 24 hours.
- (90) Pulm - Ventilation Prolonged:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = Yes; 2 = No
 - (C) Category: Postoperative Events
 - (D) Definition/Description: Indicate whether the patient had prolonged pulmonary ventilator > 24 hours. The hours of postoperative ventilation time include OR exit until extubation, plus any additional hours following reintubation. Include (but not limited to) causes such as ARDS, pulmonary edema, and/or any patient requiring mechanical ventilation > 24 hours postoperatively.
- (91) Renal - Renal Failure:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = Yes; 2 = No
 - (C) Category: Postoperative Events
 - (D) Definition/Description: Indicate whether the patient had acute renal failure or worsening renal function resulting in ONE OR BOTH of the following:
 - (i) Increase of serum creatinine level 3.0 X greater than baseline, or serum creatinine level ≥ 4.0 mg/dl, Acute rise must be at least 0.5 mg/dl.
 - (ii) A new requirement for dialysis postoperatively.
- (92) Renal - Dialysis Requirement:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = Yes; 2 = No
 - (C) Category: Postoperative Events
 - (D) Definition/Description: Indicate whether the patient had a new requirement for dialysis postoperatively, which may include hemodialysis, peritoneal dialysis.
- (93) Other – A Fib:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = Yes; 2 = No
 - (C) Category: Postoperative Events

- (D) Definition/Description: Indicate whether the patient experienced atrial fibrillation/flutter (AF) requiring treatment. Exclude patients who were in afib at the start of surgery.
- (94) Facility Identification Number:
 - (A) Format: Numeric, length 6
 - (B) Valid Values: Free Text
 - (C) Category: Hospitalization
 - (D) Definition/Description: The six-digit facility identification number assigned by the Office, as defined in Section 97170.
- (b) If a value for a data element, other than data elements specified in Subsection (b)(1), is unknown or not applicable, a hospital may submit the record without a valid value for that data element.
 - (1) A valid value must be submitted for the following data elements: Medical Record Number, Type of CABG, Date of Surgery, Sex, Date of Discharge, Discharge Status, Responsible Surgeon Name, Responsible Surgeon CA License Number, Dialysis, Previous PCI, Status, Reoperation for Bleed, Reintervention – Myocardial Ischemia, Reintervention – Myocardial Ischemia Vessel, Deep Sternal Infection/Mediastinitis, Neuro – Stroke Permanent, Pulm – Ventilation Prolonged, Renal – Renal Failure, Renal – Dialysis Requirement, Other – A Fib, and Facility Identification Number.
- (c) For patients discharged on or after January 01, 2016, and on or before December 31, 2017, a hospital shall submit the following data elements for each CABG surgery according to the format, valid value, category and definitions/descriptions listed herein. For all data elements categorized as postoperative events, with the exception of Deep Sternal Infection/Mediastinitis, report only if the postoperative event occurred during the hospitalization for CABG surgery.
 - (1) Medical Record Number:
 - (A) Format: Alphanumeric, length 12
 - (B) Valid Values: Free text
 - (C) Category: Demographics
 - (D) Definition/Description: Indicate the patient's medical record number at the hospital where surgery occurred.
 - (2) Type of Coronary Artery Bypass Graft (CABG):
 - (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = Isolated CABG; 3 = CABG + Valve; 4= Other non-isolated CABG (C) Category: Operative
 - (D) Definition/Description: Indicate the type of CABG.
 - (i) Type of CABG should be coded Isolated CABG if none of the procedures listed in this sub-section was performed concurrently with the coronary artery bypass surger.
 - (a) Valve repairs or replacements

- (b) Operations on structures adjacent to heart valves (papillary muscle, chordae tendineae, trabeculae carneae cordis, annuloplasty, infundibulectomy)
- (c) Ventriculectomy when diagnosed preoperatively as a rupture, aneurysm or remodeling procedure. Excludes 1) sites intra-operatively diagnosed, 2) patch applications for site oozing discovered during surgery and 3) prophylactic patch applications to reduce chances of future rupture
- (d) Repair of atrial and ventricular septa, excluding closure of patent foramen ovale
- (e) Excision of aneurysm of heart
- (f) Head and neck, intracranial endarterectomy
- (g) Other open heart surgeries, such as aortic arch repair, pulmonary endarterectomy
- (h) Endarterectomy of aorta
- (i) Thoracic endarterectomy (endarterectomy on an artery outside the heart)
- (j) Carotid endarterectomy
- (k) Heart Transplantation
- (l) Repair of certain congenital cardiac anomalies, excluding closure of patent foramen ovale (e.g., tetralogy of fallot, atrial septal defect (ASD), ventricular septal defect (VSD, valvular abnormality)
- (m) Any aortic aneurysm repair (abdominal or thoracic)
- (n) Aorta-subclavian-carotid bypass
- (o) Aorta-renal bypass
- (p) Aorta-iliac-femoral bypass
- (q) Caval-pulmonary artery anastomosis
- (r) Extracranial-inracranial (EC-IC) vascular bypass
- (s) Coronary artery fistula
- (t) Resection of lobe or segment of the lung (e.g., lobectomy or segmental resection of lung). Does not include simple biopsy of lung nodule in which surrounding lung is not resected, biopsy of a thoracic lymph node, or excision or stapling of an emphysematous bleb.
- (u) Pleural decortication
- (v) Mastectomy for breast cancer (not simple breast biopsy)
- (w) Amputation of any part of an extremity (e.g., foot or toe)
- (x) Resection of LV aneurysm

- (y) Ventricular Assist Device (VAD) as bridge to transplant
 - (z) Septal myectomy with hypertrophic obstructive cardiomyopathy (aa) Full open MAZE
- (ii) Type of CABG should be coded CABG + Valve if none of the procedures listed in this subsection were performed concurrently with a CABG that included aortic valve replacement (AVR), mitral valve replacement (MVR), mitral valve repair (MV repair), or AVR+MVR/MV repair.
- (a) Pulmonic Valve Procedure
 - (b) Tricuspid Valve Procedure
 - (c) Ventriculectomy when diagnosed preoperatively as a rupture, aneurysm or remodeling procedure. Excludes 1) sites intra-operatively diagnose, 2) patch application for site oozing discovered during surgery, and 3) prophylactic patch applications to reduce chances of future rupture
 - (d) Repair of atrial and ventricular septa, excluding closure of patent foramen ovale
 - (e) Exclusion of aneurysm of heart
 - (f) Head and neck intracranial endarterectomy
 - (g) Other open heart surgeries such as aortic arch repair, pulmonary endarterectomy
 - (h) Endarterectomy of aorta
 - (i) Thoracic endarterectomy (endarterectomy on an artery outside the heart)
 - (j) Carotid endarterectomy
 - (k) Resection of LV aneurysm
 - (l) Heart transplantation
 - (m) Repair of congenital cardiac anomalies such as tetralogy of fallot, atrial septal defect (ASD), ventricular septal defect (VSD), or other complex anomaly
 - (n) Any aortic aneurysm repair (abdominal or thoracic)
 - (o) Repair of aortic dissection
 - (p) Aorta-subclavian-carotid-bypass
 - (q) Aorta-renal bypass
 - (r) Aorta-iliac-femoral bypass
 - (s) Caval-pulmonary artery anastomosis
 - (t) Extracranial-intracranial (EC-IC) vascular bypass
 - (u) Coronary artery fistula
 - (v) Resection of a lobe or segment of the lung (e.g., lobectomy or segmental resection of lung). Does not include simple biopsy of lung nodule in which surrounding lung is not resected, biopsy of a thoracic lymph node or excision or stapling of an emphysematous bleb

- (w) Pleural Decortication
 - (x) Mastectomy for breast cancer (not simple breast biopsy)
 - (y) Amputation of any extremity (e.g., foot or toe)
 - (z) Resection of LV aneurysm
 - (aa) Ventricular Assist Device (VAD) as a bridge to transplant
 - (bb) Infundibulectomy
 - (cc) Septal myectomy with hypertrophic obstructive cardiomyopathy
 - (dd) Full Open MAZE for Aortic Valve cases only (epicardial MAZE procedures are not excluded and Full Open procedures are not excluded for Mitral Valve)
- (iii) Type of CABG should be coded Other Non-isolated CABG if case is not included in Isolated CABG or CABG + Valve
- (3) Date of Surgery:
- (A) Format: Numeric, length 8
 - (B) Valid Values: mmddyyyy
 - (C) Category: Hospitalization
 - (D) Definition/Description: Indicate the date of index cardiac surgical procedure. Index cardiac surgical procedure is defined as the initial major cardiac surgical procedure of the hospitalization.
- (4) Date of Birth:
- (A) Format: Numeric, length 8
 - (B) Valid Values: mmddyyyy
 - (C) Category: Demographics
 - (D) Definition/Description: Indicate the patient's date of birth using 4-digit format for year.
- (5) Patient Age:
- (A) Format: Numeric, length 3
 - (B) Valid Values: 18 - 110
 - (C) Category: Demographics
 - (D) Definition/Description: Indicate the patient's age in years, at time of surgery. This should be calculated from the date of birth and the date of surgery, according to the convention used in the USA (the number of birthdate anniversaries reached by the date of surgery).
- (6) Sex:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = Male; 2 = Female
 - (C) Category: Demographics
 - (D) Definition/Description: Indicate the patient's sex at birth as either male or female.
- (7) Race Documented:

- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = Yes; 2 = No; 3 = Patient declined to disclose
 - (C) Category: Demographics
 - (D) Definition/Description: Indicate whether the race is documented.
- (8) Race - White:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = Yes; 2 = No
 - (C) Category: Demographics
 - (D) Definition/Description: Indicate whether the patient's race, as determined by the patient or family, includes White. "White" refers to a person having origins in any of the original peoples of Europe, the Middle East, or North Africa. It includes people who indicated their race(s) as "White" or reported entries such as Irish, German, Italian, Lebanese, Arab, Moroccan, or Caucasian.
- (9) Race - Black/African American:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = Yes; 2 = No
 - (C) Category: Demographics
 - (D) Definition/Description: Indicate whether the patient's race, as determined by the patient or family, includes Black / African American. "Black or African American" refers to a person having origins in any of the Black racial groups of Africa. It includes people who indicated their race(s) as "Black, African Am., or Negro" or reported entries such as African American, Kenyan, Nigerian, or Haitian.
- (10) Race - Asian:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = Yes; 2 = No
 - (C) Category: Demographics
 - (D) Definition/Description: Indicate whether the patient's race, as determined by the patient or family, includes Asian. "Asian" refers to a person having origins in any of the original peoples of the Far East, Southeast Asia, or the Indian subcontinent, including, for example, Cambodia, China, India, Japan, Korea, Malaysia, Pakistan, the Philippine Islands, Thailand, and Vietnam. It includes people who indicated their race(s) as "Asian" or reported entries such as "Asian Indian", "Chinese", "Filipino", "Korean", "Japanese", "Vietnamese", and "Other Asian" or provided other detailed Asian responses.
- (11) Race - American Indian/Alaskan Native:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = Yes; 2 = No
 - (C) Category: Demographics
 - (D) Definition/Description: Indicate whether the patient's race, as determined by the patient or family, includes American Indian / Alaskan Native. "American Indian or Alaska Native" refers to a person having origins in any of the original peoples of

North and South America (including Central America) and who maintains tribal affiliation or community attachment. This category includes people who indicated their race(s) as "American Indian or Alaska Native" or reported their enrolled or principal tribe, such as Navajo, Blackfeet, Inupiat, Yup'ik, or Central American Indian groups or South American Indian groups.

(12) Race - Native Hawaiian/Pacific Islander:

(A) Format: Numeric, length 1

(B) Valid Values: 1 = Yes; 2 = No

(C) Category: Demographics

(D) Definition/Description: Indicate whether the patient's race, as determined by the patient or family, includes Native Hawaiian / Pacific Islander. "Native Hawaiian or Other Pacific Islander" refers to a person having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands. It includes people who indicated their race(s) as "Pacific Islander" or reported entries such as "Native Hawaiian", "Guamanian or Chamorro", "Samoan", and "Other Pacific Islander" or provided other detailed Pacific Islander responses.

(13) Race - Other:

(A) Format: Numeric, length 1

(B) Valid Values: 1 = Yes; 2 = No

(C) Category: Demographics

(D) Definition/Description: Indicate whether the patient's race, as determined by the patient or family, includes any other race. "Some Other Race" includes all other responses not included in the White, Black or African American, American Indian or Alaska Native, Asian, and Native Hawaiian or Other Pacific Islander race categories described above.

(14) Hispanic or Latino or Spanish Ethnicity:

(A) Format: Numeric, length 1

(B) Valid Values: 1 = Yes; 2 = No; 3 = Not Documented

(C) Category: Demographics

(D) Definition/Description: Indicate if the patient is of Hispanic, Latino or Spanish ethnicity as reported by the patient / family. "Hispanic, Latino or Spanish" refers to a person of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin regardless of race.

(15) Date of Discharge:

(A) Format: Numeric, length 8

(B) Valid Values: mmddyyyy

(C) Category: Hospitalization

(D) Definition/Description: Indicate the date the patient was discharged from the hospital (acute care) even if the patient is going to a rehab or hospice or similar extended care unit within the same physical facility. If the patient died in the hospital, the discharge date is the date of death.

- (16) Discharge Status:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = Alive; 2 = Dead
 - (C) Category: Mortality
 - (D) Definition/Description: Indicate whether the patient was alive or dead AT discharge from the hospitalization in which surgery occurred.
- (17) Date of Death:
- (A) Format: Numeric, length 8
 - (B) Valid Values: mmddyyyy
 - (C) Category: Mortality
 - (D) Definition/Description: Indicate the date the patient was declared dead.
- (18) Responsible Surgeon Name (3 separate fields):
- (A) Format: Surgeon Last Name text length 25 (alpha) Surgeon First Name text length 20 (alpha) Surgeon Middle Initial text length 1(alpha)
 - (B) Valid Values: Free Text
 - (C) Category: Operative
 - (D) Definition/Description: The responsible surgeon is the surgeon as defined in Section 97170.
- (19) Responsible Surgeon CA License Number:
- (A) Format: Alphanumeric, length 9
 - (B) Valid Values: Free text
 - (C) Category: Operative
 - (D) Definition/Description: California physician license number of responsible surgeon, assigned by the Medical Board of California of the Department of Consumer Affairs.
- (20) Height (cm):
- (A) Format: Numeric, length 4
 - (B) Valid Values: 20.0-251.0 cm
 - (C) Category: Risk Factors
 - (D) Definition/Description: Indicate height nearest to the date of surgery in centimeters.
- (21) Weight (kg):
- (A) Format: Numeric, length 4
 - (B) Valid Values: 10.0 - 250.0 kg
 - (C) Category: Risk Factors
 - (D) Definition/Description: Indicate weight closest to the date of surgery in kilograms.
- (22) Diabetes:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = Yes; 2 = No; 3=Unknown
 - (C) Category: Risk Factors

- (D) Definition/Description: History of diabetes diagnosed and/or treated by a healthcare provider. The American Diabetes Association criteria include documentation of the following: (i) A1c \geq 6.5%;
- (ii) Fasting plasma glucose \geq 126 mg/dl (7.0 mmol/l);
 - (iii) Two-hour plasma glucose \geq 200 mg/dl (11.1 mmol/l) during an oral glucose tolerance test;
 - (iv) In a patient with classic symptoms of hyperglycemia or hyperglycemic crisis, a random plasma glucose \geq 200 mg/dl (11.1 mmol/l)
1. This does not include gestational diabetes.

(23) Diabetes Control:

- (A) Format: Numeric, length 1
- (B) Valid Values: 1 = None; 2 = Diet only; 3 = Oral; 4 = Insulin; 5 = Other; 6= Other subcutaneous medication; 7 = Unknown
- (C) Category: Risk Factors
- (D) Definitions/Descriptions: Indicate the patient's control method as presented on admission. Patients placed on a preprocedure diabetic pathway of insulin drip at admission but whose diabetes was controlled by diet or oral method are not coded as being treated with insulin. Choose the most aggressive therapy from the order below
 - (i) Insulin: insulin treatment (includes any combination with insulin)
 - (ii) Other subcutaneous medications (e.g., GLP-1 agonist)
 - (iii) Oral: treatment with oral agent (includes oral agent with or without diet treatment)
 - (iv) Diet only: Treatment with diet only
 - (v) None: no treatment for diabetes
 - (vi) Other: other adjunctive treatment, non-oral/insulin/diet (vii) Unknown

(24) Dialysis:

- (A) Format: Numeric, length 1
- (B) Valid Values: 1 = Yes; 2 = No; 3 = Unknown
- (C) Category: Risk Factors
- (D) Definition/Description: Indicate whether the patient is currently (prior to surgery) undergoing dialysis. Refers to whether the patient is currently on dialysis, not distant past history.

(25) Hypertension:

- (A) Format: Numeric, length 1
- (B) Valid Values: 1 = Yes; 2 = No; 3 = Unknown
- (C) Category: Risk Factors
- (D) Definition/Description: Indicate if the patient has a current diagnosis of hypertension defined by any one of the following:
 - (i) History of hypertension diagnosed and treated with medication, diet and/or exercise;

- (ii) Prior documentation of blood pressure >140 mmHg systolic or 90 mmHg diastolic for patients without diabetes or chronic kidney disease, or prior documentation of blood pressure >130 mmHg systolic or 80 mmHg diastolic on at least 2 occasions for patients with diabetes or chronic kidney disease;
- (iii) Currently undergoing pharmacologic therapy for treatment of hypertension.

(26) Endocarditis:

- (A) Format: Numeric, length 1
- (B) Valid Values: 1 = Yes; 2 = No
- (C) Category: Risk Factors
- (D) Definition/Description: Indicate whether the patient has a history of endocarditis: Endocarditis must meet at least 1 of the following criteria:
 - (i) Patient has organisms cultured from valve or vegetation;
 - (ii) Patient has 2 or more of the following signs or symptoms: fever (>38°C), new or changing murmur, embolic phenomena, skin manifestations (i.e., petechiae, splinter hemorrhages, painful subcutaneous nodules), congestive heart failure, or cardiac conduction abnormality with no other recognized cause and at least 1 of the following:
 1. Organisms cultured from 2 or more blood cultures
 2. Organisms seen on Gram's stain of valve when culture is negative or not done
 3. Valvular vegetation seen during an invasive procedure or autopsy
 4. Positive laboratory test on blood or urine (e.g., antigen tests for influenza, S pneumoniae, N meningitis, or Group B Streptococcus)
 5. Evidence of new vegetation seen on echocardiogram and if diagnosis is made antemortem, physician institutes appropriate antimicrobial therapy.

(27) Infectious Endocarditis Type:

- (A) Format: Numeric, Length 1
- (B) Valid Values: 1 = Treated; 2 = Active
- (C) Category: Risk Factors
- (D) Indicate the type of endocarditis the patient has. If the patient is currently being treated for endocarditis, the disease is considered active. If no antibiotic medication (other than prophylactic medication) is being given at the time of surgery, then the infection is considered treated.

(28) Chronic Lung Disease:

- (A) Format: Numeric, length 1
- (B) Valid Values: 1 = No; 2 = Mild; 3 = Moderate; 4 = Severe; 5= Lung disease documented, severity unknown; 6 = Unknown
- (C) Category: Risk Factors
- (D) Definition/Description: Indicate whether the patient has chronic lung disease, and the severity level according to the following classification:
 - (i) No;

- (ii) Mild: FEV1 60% to 75% of predicted, and/or on chronic inhaled or oral bronchodilator therapy;
- (iii) Moderate: FEV1 50% to 59% of predicted, and/or on chronic steroid therapy aimed at lung disease;
- (iv) Severe: FEV1 <50% and/or Room Air pO <60 or pCO2 > 50.
- (v) Chronic Lung Disease present, severity not documented (vi) Unknown

(29) Liver Disease

- (A) Format: Numeric, length 1
- (B) Valid Values: 1 = Yes; 2 = No; 3 = Unknown
- (C) Category: Risk Factors
- (D) Definition/Description: Indicate whether the patient has a history of hepatitis B, hepatitis C, cirrhosis, portal hypertension, esophageal varices, chronic alcohol abuse or congestive hepatopathy. Exclude NASH in the absence of cirrhosis.

(30) Immunocompromise:

- (A) Format: Numeric, length 1
- (B) Valid Values: 1 = Yes; 2 = No; 3 = Unknown
- (C) Category: Risk Factors
- (D) Definition/Description: Indicate whether immunocompromise is present due to immunosuppressive medication therapy within 30 days preceding the operative procedure or existing medical condition (see training manual). This includes, but is not limited to, systemic steroid therapy, anti-rejection medications and chemotherapy. This does not include topical steroid applications, one time systemic therapy, inhaled steroid therapy or preoperative protocol.

(31) Peripheral Arterial Disease:

- (A) Format: Numeric, length 1
- (B) Valid Values: 1 = Yes; 2 = No; 3 = Unknown
- (C) Category: Risk Factors
- (D) Definition/Description: Indicate whether the patient has a history of peripheral arterial disease (includes upper and lower extremity, renal, mesenteric, and abdominal aortic systems). This can include:
 - (i) claudication, either with exertion or at rest;
 - (ii) amputation for arterial vascular insufficiency;
 - (iii) vascular reconstruction, bypass surgery, or percutaneous intervention to the extremities (excluding dialysis fistulas and vein stripping);
 - (iv) documented abdominal aortic aneurysm with or without repair;
 - (v) positive noninvasive test (e.g., ankle brachial index =< 0.9, ultrasound, magnetic resonance or computed tomography imaging of > 50% diameter stenosis in any peripheral artery, i.e., renal, subclavian, femoral, iliac) or angiographic imaging.

Peripheral arterial disease excludes disease in the carotid or cerebrovascular arteries or thoracic aorta. PVD does not include DVT

(32) Cerebrovascular Disease:

(A) Format: Numeric, length 1

(B) Valid Values: 1 = Yes; 2 = No; 3 = Unknown

(C) Category: Risk Factors

(D) Definition/Description: Indicate whether the patient has a current or previous history of any of the following:

- (i) Stroke: Stroke is an acute episode of focal or global neurological dysfunction caused by brain, spinal cord, or retinal vascular injury as a result of hemorrhage or infarction, where the neurological dysfunction lasts for greater than 24 hours.
- (ii) TIA: is defined as a transient episode of focal neurological dysfunction caused by brain, spinal cord, or retinal ischemia, without acute infarction, where the neurological dysfunction resolves within 24 hours.
- (iii) Noninvasive or invasive arterial imaging test demonstrating $\geq 50\%$ stenosis of any of the major extracranial or intracranial vessels to the brain
- (iv) Previous cervical or cerebral artery revascularization surgery or percutaneous intervention. This does not include chronic (nonvascular) neurological diseases or other acute neurological insults such as metabolic and anoxic ischemic encephalopathy.

(33) Prior CVA:

(A) Format: Numeric, length 1

(B) Valid Values: 1 = Yes; 2 = No; 3 = Unknown

(C) Category: Risk Factors

(D) Definition/Description: Indicate whether the patient has a history of stroke. Stroke is an acute episode of focal or global neurological dysfunction caused by brain, spinal cord, or retinal vascular injury as a result of hemorrhage or infarction, where the neurological dysfunction lasts for greater than 24 hours.

(34) Prior CVA - When:

(A) Format: Numeric, length 1

(B) Valid Values: 3 = ≤ 30 days; 4 = > 30 days

(C) Category: Risk Factors

(D) Definition/Description: Indicate when the CVA events occurred. Those events occurring within 30 days of the surgical procedure are considered recent, while all others are considered remote.

(35) CVD TIA:

(A) Format: Numeric, length 1

(B) Valid Values: 1 = Yes; 2 = No; 3 = Unknown

(C) Category: Risk Factors

(D) Definition/Description: Indicate whether the patient has a history of a Transient Ischemic Attack (TIA): Transient ischemic attack (TIA) is defined as a transient episode of focal neurological dysfunction caused by brain, spinal cord, or retinal

ischemia, without acute infarction, where the neurological dysfunction resolves within 24 hours.

(36) CVD Carotid Stenosis:

- (A) Format: Numeric, length 1
- (B) Valid Values: 1 = None; 2 = Right; 3 = Left; 4 = Both
- (C) Category: Risk Factors
- (D) Definition/Description: Indicate which carotid artery was determined from any diagnostic test to be $\geq 50\%$ stenotic.

(37) CVD Carotid Stenosis - Right:

- (A) Format: Numeric, length 1
- (B) Valid Values: 3 = 50% to 79%; 1 = 80% to 99%; 2 = 100%; 4 = Not documented (C)
Category: Risk Factors
- (D) Definition/Description: Indicate the severity of stenosis reported on the right carotid artery.

(38) CVD Carotid Stenosis – Left:

- (A) Format: Numeric, length 1
- (B) Valid Values: 3 = 50% to 79%; 1 = 80% to 99%; 2 = 100%; 4 = Not documented (C)
Category: Risk Factors
- (D) Definition/Description: Indicate the severity of stenosis reported on the left carotid artery.

(39) CVD Prior Carotid Surgery:

- (A) Format: Numeric, length 1
- (B) Valid Values: 1 = Yes; 2 = No
- (C) Category: Risk Factors
- (D) Definition/Description: Indicate whether the patient has a history of previous carotid artery surgery and/or stenting.

(40) Last Creatinine Level:

- (A) Format: Numeric, length 4
- (B) Valid Values: 0.10 - 30.00 (C) Category: Risk Factors
- (D) Definition/Description: Indicate the creatinine level closest to the date and time prior surgery but prior to anesthetic management (induction area or operating room).

(41) Total Albumin:

- (A) Format: Numeric, length 4
- (B) Valid Values: 1.00 - 10.00
- (C) Category: Risk Factors
- (D) Definition/Description: Indicate the total albumin closest to the date and time prior to surgery but prior to anesthetic management (induction area or operating room).

(42) Total Bilirubin:

- (A) Format: Numeric, length 4

- (B) Valid Values: 0.10 - 50.00
 - (C) Category: Risk Factors
 - (D) Definition/Description: Indicate the total Bilirubin closest to the date and time prior to surgery but prior to anesthetic management (induction area or operating room).
- (43) INR:
- (A) Format: Numeric, length 4
 - (B) Valid Values: 0.50 - 30.00
 - (C) Category: Risk Factors
 - (D) Definition/Description: Indicate the International Normalized Ratio (INR) at the date and time closest to surgery but prior to anesthetic management (induction area or operating room).
- (44) Previous CABG:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = Yes; 2 = No
 - (C) Category: Previous Cardiac Interventions
 - (D) Definition/Description: Indicate whether the patient had a previous Coronary Bypass Graft prior to the current admission.
- (45) Previous Valve:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = Yes; 2 = No
 - (C) Category: Previous Cardiac Interventions
 - (D) Definition/Description: Indicate whether the patient had a previous surgical replacement and/or surgical repair of a cardiac valve. This may also include percutaneous valve procedures.
- (46) Previous PCI:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = Yes; 2 = No
 - (C) Category: Previous Cardiac Interventions
 - (D) Definition/Description: Indicate whether a previous Percutaneous Cardiac Intervention (PCI) was performed any time prior to this surgical procedure. Percutaneous Cardiac Intervention (PCI) is the placement of an angioplasty guide wire, balloon, or other device (e.g. stent, atherectomy, brachytherapy, or thrombectomy catheter) into a native coronary artery or coronary artery bypass graft for the purpose of mechanical coronary revascularization.
- (47) Previous PCI - Interval:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = <=6 Hours; 2 = > 6 Hours
 - (C) Category: Previous Cardiac Interventions
 - (D) Definition/Description: Indicate the interval of time between the previous PCI and the current surgical procedure.

(48) Prior MI:

- (A) Format: Numeric, length 1
- (B) Valid Values: 1 = Yes; 2 = No; 3 = Unknown
- (C) Category: Preoperative Cardiac Status
- (D) Definition/Description: Indicate if the patient has had at least one documented previous myocardial infarction at any time prior to this surgery.

(49) MI - When:

- (A) Format: Numeric, length 1
- (B) Valid Values: 1 = <=6 Hrs.; 2 = >6 Hrs but <24 Hrs; 3 = 1 to 7 Days; 4 = 8 to 21 Days; 5 = >21 Days.
- (C) Category: Preoperative Cardiac Status
- (D) Definition/Description: Indicate the time period between the last documented myocardial infarction and surgery.

(50) Heart Failure within 2 weeks:

- (A) Format: Numeric, length 1
- (B) Valid Values: 1 = Yes; 2 = No; 3 = Unknown
- (C) Category: Preoperative Cardiac Status
- (D) Definition/Description: Indicate if there is physician documentation or report that the patient has been in a state of heart failure within the past 2 weeks.
 - (i) Heart failure is defined as physician documentation or report of any of the following clinical symptoms of heart failure described as unusual dyspnea on light exertion, recurrent dyspnea occurring in the supine position, fluid retention; or the description of rales, jugular venous distension, pulmonary edema on physical exam, or pulmonary edema on chest x-ray presumed to be cardiac dysfunction. A low ejection fraction alone, without clinical evidence of heart failure does not qualify as heart failure.

(51) Classification - NYHA:

- (A) Format: Numeric, length 1
- (B) Valid Values: 1 = Class I; 2 = Class II; 3 = Class III; 4 = Class IV
- (C) Category: Preoperative Cardiac Status
- (D) Definition/Description: Indicate the patient's worst dyspnea or functional class, coded as the New York Heart Association (NYHA) classification within the past 2 weeks. This is to be used for heart failure only, it is not intended to classify angina.
 - (i) Class I: Patient has cardiac disease but without resulting limitations of ordinary physical activity. Ordinary physical activity (e.g., walking several blocks or climbing stairs) does not cause undue fatigue, palpitation, or dyspnea.
 - (ii) Class II: Patient has cardiac disease resulting in slight limitation of ordinary physical activity. Patient is comfortable at rest. Ordinary physical activity such as walking more than two blocks or climbing more than one flight of stairs results in limiting symptoms (e.g., fatigue, palpitation, or dyspnea).

- (iii) Class III: Patient has cardiac disease resulting in marked limitation of physical activity. Patient is comfortable at rest. Less than ordinary physical activity (e.g., walking one to two level blocks or climbing one flight of stairs) causes fatigue, palpitation, or dyspnea.
- (iv) Class IV: Patient has cardiac disease resulting in inability to perform any physical activity without discomfort. Symptoms may be present even at rest or minimal exertion. If any physical activity is undertaken, discomfort is increased.

(52) Cardiogenic Shock:

- (A) Format: Numeric, length 1
- (B) Valid Values: 3 = Yes, at the time of the procedure; 4 = Yes, not at the time of the procedure, but within prior 24 hours; 2 = No
- (C) Category: Preoperative Cardiac Status
- (D) Definition/Description: Indicate if the patient developed cardiogenic shock. Cardiogenic shock is defined as a sustained (>30 min) episode of hypoperfusion evidenced by systolic blood pressure <90 mm Hg and/or, if available, cardiac index <2.2 L/min per square meter determined to be secondary to cardiac dysfunction and/or the requirement for parenteral inotropic or vasopressor agents or mechanical support (e.g., IABP, extracorporeal circulation, VADs) to maintain blood pressure and cardiac index above those specified levels. Note: Transient episodes of hypotension reversed with IV fluid or atropine do not constitute cardiogenic shock. The hemodynamic compromise (with or without extraordinary supportive therapy) must persist for at least 30 min.

(53) Resuscitation:

- (A) Format: Numeric, length 1
- (B) Valid Values: 3 = Yes, within 1 hour of the start of the procedure; 4 = Yes, more than 1 hour but less than 24 hours of the start of the procedure; 2 = No
- (C) Category: Preoperative Cardiac Status
- (D) Definition/Description: Indicate whether the patient required cardiopulmonary resuscitation before the start of the operative procedure which includes the institution of anesthetic management. Capture resuscitation timeframe: within 1 hour or 1-24 hours pre-op.

(54) Cardiac Arrhythmia:

- (A) Format: Numeric, length 1
- (B) Valid Values: 1 = Yes; 2 = No; 3 = Unknown
- (C) Category: Preoperative Cardiac Status
- (D) Definition/Description: Indicate whether the patient has a history of a cardiac rhythm disturbance before the start of the operative procedure which includes the institution of anesthetic management.

(55) Cardiac Arrhythmia - Vtach/Vfib:

- (A) Format: Numeric, length 1
- (B) Valid Values: 1 = None; 2 = Remote (more than 30 days prior to procedure); 3 = Recent (within 30 days prior to procedure)

- (C) Category: Preoperative Cardiac Status
 - (D) Definition/Description: Indicate whether arrhythmia was VTach or VFib
- (56) Cardiac Arrhythmia - Aflutter:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = None; 2 = Remote (more than 30 days prior to procedure); 3 = Recent (within 30 days prior to procedure)
 - (C) Category: Preoperative Cardiac Status
 - (D) Definition/Description: Indicate whether arrhythmia was atrial flutter.
- (57) Cardiac Arrhythmia – Third Degree Heart Block:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = None; 2 = Remote (more than 30 days prior to procedure); 3 = Recent (within 30 days prior to procedure)
 - (C) Category: Preoperative Cardiac Status
 - (D) Definition/Description: Indicate whether arrhythmia was third degree heart block.
- (58) Cardiac Arrhythmia – Atrial fibrillation:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1= None; 2= Paroxysmal; 3= Continuous/persistent
 - (C) Category: Preoperative Cardiac Status
 - (D) Definition/Description: Indicate whether arrhythmia was atrial fibrillation and if so, which type.
- (59) Meds – Coumadin:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = Yes; 2 = No; 4 = Unknown
 - (C) Category: Preoperative Medications
 - (D) Definition/Description: Indicate whether the patient received Coumadin within 24 hours preceding surgery.
- (60) Warfarin Use (within 5 days):
- (A) Format: Numeric, Length 1
 - (B) Valid Values: 1 = Yes; 2 = No; 4 = Unknown
 - (C) Category: Preoperative Medications
 - (D) Definition/Description: Indicate whether the patient received warfarin (Coumadin) within 5 days preceding surgery.
- (61) Coronary Anatomy/Disease Known:
- (A) Format: Numeric, Length 1
 - (B) Valid Values: 1 = Yes; 2 = No
 - (C) Category: Hemodynamics / Cath / Echo
 - (D) Definition/Description: Indicate whether coronary artery anatomy and/or disease is documented and available prior to surgery.
- (62) Number of Diseased Vessels:

- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = None; 2 = One; 3 = Two; 4 = Three
 - (C) Category: Hemodynamics / Cath / Echo
 - (D) Definition/Description: Indicate the number of diseased major native coronary vessel systems: LAD system, Circumflex system, and/or Right system with $\geq 50\%$ narrowing of any vessel preoperatively.
 - (i) NOTE: Left main disease ($\geq 50\%$) is counted as TWO vessels (LAD and Circumflex, which may include a Ramus Intermedius). For example, left main and RCA would count as three total. A vessel that has ever been considered diseased should always be considered diseased.
- (63) Percent Native Artery Stenosis Known:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = Yes; 2 = No
 - (C) Category: Hemodynamics / Cath / Echo
 - (D) Definition/Description: Indicate whether the percent stenosis of native coronary stenosis is known.
- (64) Percent Stenosis - Left Main: (A) Format: Numeric, length 3
- (B) Valid Values: 0 - 100
 - (C) Category: Hemodynamics / Cath / Echo
 - (D) Definition/Description: Indicate the highest percent stenosis in this vessel at the time of surgery.
- (65) Ejection Fraction Done:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = Yes; 2 = No
 - (C) Category: Hemodynamics / Cath / Echo
 - (D) Definition/Description: Indicate whether the Ejection Fraction was measured prior to the induction of anesthesia.
- (66) Ejection Fraction (%):
- (A) Format: Numeric, length 3
 - (B) Valid Values: 1.0 - 99.0
 - (C) Category: Hemodynamics / Cath / Echo
 - (D) Definition/Description: Indicate the percentage of the blood emptied from the left ventricle at the end of the contraction. Use the most recent determination prior to the surgical intervention documented on a diagnostic report.
 - (i) Enter a percentage in the range of 1 - 99. If a percentage range is reported, report a whole number using the "mean" (i.e., 50-55%, is reported as 53%). Values reported as:
 1. Hyperdynamic: $> 70\%$
 2. Normal: 50% -70% (midpoint 60%)
 3. Mild dysfunction: 40% - 49% (midpoint 45%)

- 4. Moderate dysfunction: 30% - 39% (midpoint 35%)
- 5. Severe dysfunction: <30%
- a. NOTE: If no diagnostic report is in the medical record, a value documented in the progress record is acceptable.

(67) PA Systolic Pressure Measured:

- (A) Format: Numeric, length 1
- (B) Valid Values: 1 = Yes; 2 = No
- (C) Category: Hemodynamics / Cath / Echo
- (D) Definition/Description: Indicate whether the PA systolic pressure was measured prior to induction.

(68) PA Systolic Pressure:

- (A) Format: Numeric, length 4
- (B) Valid Values: 10.0 - 150.0
- (C) Category: Hemodynamics / Cath / Echo
- (D) Definition/Description: Capture the highest PA systolic pressure recorded prior to incision.

(69) Insufficiency - Mitral:

- (A) Format: Numeric, length 1
- (B) Valid Values: 0 = None; 1 = Trivial/Trace; 2 = Mild; 3 = Moderate; 4 = Severe; 5 = Not documented
- (C) Category: Hemodynamics / Cath / Echo
- (D) Definition/Description: Indicate whether there is evidence of Mitral valve regurgitation. Enter level of valve function associated with highest risk (i.e., worst performance).
 - (i) Enter the highest level recorded in the chart. "Moderately severe" should be coded as "Severe".

(70) Incidence:

- (A) Format: Numeric, length 1
- (B) Valid Values: 1 = First cardiovascular surgery; 2 = First re-op cardiovascular surgery; 3 = Second re-op cardiovascular surgery; 4 = Third re-op cardiovascular surgery; 5 = Fourth or more re-op cardiovascular surgery
- (C) Category: Operative
- (D) Definition/Description: Indicate if this is the patient's:
 - (i) First surgery;
 - (ii) First re-op surgery;
 - (iii) Second re-op surgery;
 - (iv) Third re-op surgery;
 - (v) Fourth or more re-op surgery
 - 1. Surgery is defined as cardiothoracic operations (heart or great vessels) surgical procedures performed with or without cardiopulmonary bypass (CPB). Also include lung procedures utilizing CPB or tracheal procedures

utilizing CPB. Reoperation increases risk due to the presence of scar tissue and adhesions.

(71) Status:

- (A) Format: Numeric, length 1
- (B) Valid Values: 1 = Elective; 2 = Urgent; 3 = Emergent; 4 = Emergent Salvage
- (C) Category: Operative
- (D) Definition/Description: Indicate the clinical status of the patient prior to entering the operating room:
 - (i) Elective: The patient's cardiac function has been stable in the days or weeks prior to the operation. The procedure could be deferred without increased risk of compromised cardiac outcome.
 - (ii) Urgent: Procedure required during same hospitalization in order to minimize chance of further clinical deterioration. Examples include but are not limited to: Worsening, sudden chest pain, CHF, acute myocardial infarction (AMI), anatomy, IABP, unstable angina (USA) with intravenous (IV) nitroglycerin (NTG) or rest angina.
 - (iii) Emergent: Patients requiring emergency operations will have ongoing, refractory (difficult, complicated, and/or unmanageable) unrelenting cardiac compromise, with or without hemodynamic instability, and not responsive to any form of therapy except cardiac surgery. An emergency operation is one in which there should be no delay in providing operative intervention.
 - (iv) Emergent Salvage: The patient is undergoing CPR en route to the OR or prior to anesthesia induction or has ongoing ECMO to maintain life.

(72) Urgent Or Emergent Reason:

- (A) Format: Numeric, length 2
- (B) Valid Values: 1 = AMI; 2 = Anatomy; 3 = Aortic Aneurysm; 4 = Aortic Dissection; 5 = CHF; 6 = Device Failure; 7 = Diagnostic/Interventional Procedure Complication; 8 = Endocarditis; 9 = Failed Transcatheter Valve Therapy; 10 = IABP; 11 = Infected Device; 12 = Intracardiac mass or thrombus; 13 = Ongoing Ischemia; 14 = PCI Incomplete without Clinical Deterioration; 15 = PCI or attempted PCI with Clinical Deterioration; 16 = Pulmonary Edema; 17 = Pulmonary Embolus; 18 = Rest Angina; 19 = Shock
Circulatory Support; 20 = Shock No Circulatory Support; 21 = Syncope; 22 = Transplant; 23 = Trauma; 24 = USA; 25 = Valve Dysfunction; 26 = Worsening CP; 27 = Other
- (C) Category: Operative
- (D) Definition/Description: Choose one reason from the list in (72)(B) above that best describes why this operation was considered urgent or emergent.

(73) CPB Utilization:

- (A) Format: Numeric, length 1
- (B) Valid Values: 1 = None; 2 = Combination; 3 = Full
- (C) Category: Operative

(D) Definition/Description: Indicate the level of CPB or coronary perfusion used during the procedure:

- (i) None: No CPB or coronary perfusion used during the procedure.
- (ii) Combination: With or without CPB and/or with or without coronary perfusion at any time during the procedure (capture conversions from off-pump to onpump only):
 1. At start of procedure: No CPB/No Coronary Perfusion -> conversion to -> CPB,
 2. At start of procedure: No CPB/No Coronary Perfusion conversion to > Coronary perfusion, or
 3. At start of procedure: No CPB/No Coronary Perfusion -> conversion to -> Coronary perfusion -> conversion to -> CPB.
- (iii) Full: CPB or coronary perfusion was used for the entire procedure.

(74) CPB Utilization-Combination Plan:

- (A) Format: Numeric, length 1
- (B) Valid Values: 1 = Planned; 2 = Unplanned
- (C) Category: Operative
- (D) Definition/Description: Indicate whether the combination procedure from off-pump to on-pump was a planned or an unplanned conversion.
 - (i) Planned: The surgeon intended to treat with any of the combination options described in "CPB utilization".
 - (ii) Unplanned: The surgeon did not intend to treat with any of the combination options described in "CPB utilization".

(75) IMA Artery Used:

- (A) Format: Numeric, length 1
- (B) Valid Values: 1 = Left IMA; 2 = Right IMA; 3 = Both IMAs; 4 = No IMA
- (C) Category: Coronary Bypass
- (D) Definition/Description: Indicate which, if any, Internal Mammary Artery(ies) (IMA) were used for grafts

(76) Reason for No IMA:

- (A) Format: Numeric, length 1
- (B) Valid Values: 2 = Subclavian Stenosis; 3 = Previous cardiac or thoracic surgery; 4 = Previous mediastinal radiation; 5 = Emergent or salvage procedure; 6 = No LAD disease (includes LAD with no bypassable disease); 7 = Other
- (C) Category: Coronary Bypass
- (D) Definition/Description: Indicate the primary reason from (76)(B) above that Internal Mammary Artery was not used as documented in the medical record:

(77) Valve:

- (A) Format: Numeric, length 1
- (B) Valid Values: 1 = Yes; 2 = No

- (C) Category: Operative
 - (D) Definition/Description: Indicate whether a surgical procedure was done on the Aortic, Mitral, Tricuspid or Pulmonic valves.
- (78) Aortic Valve:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 3 = Yes, planned; 4 = Yes, unplanned due to surgical complication; 5 = Yes, unplanned due to unsuspected disease or anatomy; 2 = No
 - (C) Category: Valve Surgery
 - (D) Definition/Description: Indicate whether an aortic valve procedure was performed.
- (79) Aortic Valve Procedure:
- (A) Format: Numeric, length 2
 - (B) Valid Values: 1 = Replacement; 2 = Repair/Reconstruction; 3 = Root Reconstruction with valved conduit (Bentall); 13 = Replacement AV and insertion aortic non-valved conduit in supra-coronary position; 14 = Replacement AV and major root reconstruction/debridement with valved conduit; 5 = Resuspension AV without replacement of ascending aorta; 6 = Resuspension AV with replacement of ascending aorta; 7 = Apico-aortic conduit (Aortic valve bypass); 8 = Autograft with pulmonary valve (Ross procedure); 9 = Homograft root replacement; 10 = Valve sparing root reimplementation (David); 11 = Valve sparing root remodeling (Yacoub); 15 = Valve sparing root reconstruction (Florida Sleeve)
 - (C) Category: Valve Surgery
 - (D) Definition/Description: Indicate procedure performed on aortic valve and/or ascending aorta.
- (80) Mitral Valve:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 3 = Yes, planned; 4 = Yes, unplanned due to surgical complication; 5 = Yes, unplanned due to unsuspected disease or anatomy; 2 = No (C)
 - Category: Valve Surgery
 - (D) Definition/Description: Indicate whether a mitral valve procedure was performed.
- (81) Mitral Valve Procedure:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = Repair; 2 = Replacement
 - (C) Category: Valve Surgery
 - (D) Definition/Description: Indicate the type of procedure that was performed on the mitral valve
- (82) Tricuspid Valve:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 3 = Yes, planned; 4 = Yes, unplanned due to surgical complication; 5 = Yes, unplanned due to unsuspected disease or anatomy; 2 = No (C)
 - Category: Valve Surgery

- (D) Definition/Description: Indicate whether a surgical procedure was done or not done on the Tricuspid Valve.
- (83) Tricuspid Procedure:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 2 = Annuloplasty Only; 3 = Replacement; 4 = Reconstruction with Annuloplasty; 5 = Reconstruction without Annuloplasty; 6 = Valvectomy
 - (C) Category: Valve Surgery
 - (D) Definition/Description: Indicate procedure done on the Tricuspid Valve.
- (84) Pulmonic Valve:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 3 = Yes, planned; 4 = Yes, unplanned due to surgical complication; 5 = Yes, unplanned due to unsuspected disease or anatomy; 2 = No (C)
 - Category: Valve Surgery
 - (D) Definition/Description: Indicate whether a surgical procedure was done or not done on the Pulmonic Valve.
- (85) Pulmonic Procedure:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 2 = Replacement; 3 = Reconstruction;
 - (C) Category: Valve Surgery
 - (D) Definition/Description: Indicate the type of procedure done on the Pulmonic Valve.
- (86) Reoperation for Bleed:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = Yes; 2 = No
 - (C) Category: Postoperative Events
 - (D) Definition/Description: Indicate whether the patient was reexplored for mediastinal bleeding with or without tamponade either in the ICU or returned to the operating room.
- (87) Reintervention - Graft Occlusion:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 3 = Yes, surgical; 4 = Yes, PCI; 2 = No
 - (C) Category: Postoperative Events
 - (D) Definition/Description: Indicate whether the patient returned to the operating room or the cath lab for intervention of coronary graft occlusion due to acute closure, thrombosis, technical or embolic origin.
- (88) Deep Sternal Infection/Mediastinitis:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 3 = Yes, within 30 days of procedure; 4 = Yes, >30 days after procedure but during hospitalization for surgery; 2 = No
 - (C) Category: Postoperative Events

- (D) Definition/Description: Indicate whether a Deep Sternal Wound Infection or Mediastinitis occurred within 30 days following the surgery.
- (89) Neuro – Stroke Permanent:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 3 = Yes, hemorrhagic; 4 = Yes, embolic; 5 = Yes, undetermined type; 2 = No
 - (C) Category: Postoperative Events
 - (D) Definition/Description: Indicate whether the patient has a postoperative stroke and the type of stroke (i.e., any confirmed neurological deficit of abrupt onset caused by a disturbance in blood supply to the brain) that did not resolve within 24 hours.
- (90) Pulm - Ventilation Prolonged:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = Yes; 2 = No
 - (C) Category: Postoperative Events
 - (D) Definition/Description: Indicate whether the patient had prolonged pulmonary ventilator > 24 hours. The hours of postoperative ventilation time include OR exit until extubation, plus any additional hours following reintubation. Include (but not limited to) causes such as ARDS, pulmonary edema, and/or any patient requiring mechanical ventilation > 24 hours postoperatively.
- (91) Renal - Renal Failure:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = Yes; 2 = No
 - (C) Category: Postoperative Events
 - (D) Definition/Description: Indicate whether the patient had acute renal failure or worsening renal function resulting in ONE OR BOTH of the following:
 - (i) Increase of serum creatinine level 3.0 X greater than baseline, or serum creatinine level ≥ 4.0 mg/dl, Acute rise must be at least 0.5 mg/dl.
 - (ii) A new requirement for dialysis postoperatively.
- (92) Renal - Dialysis Requirement:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = Yes; 2 = No
 - (C) Category: Postoperative Events
 - (D) Definition/Description: Indicate whether the patient had a new requirement for dialysis postoperatively, which may include hemodialysis, peritoneal dialysis.
- (93) Other – A Fib:
- (A) Format: Numeric, length 1
 - (B) Valid Values: 1 = Yes; 2 = No
 - (C) Category: Postoperative Events

(D) Definition/Description: Indicate whether the patient experienced atrial fibrillation/flutter (AF) requiring treatment. Exclude patients who were in afib at the start of surgery.

(94) Facility Identification Number:

(A) Format: Numeric, length 6

(B) Valid Values: Free Text

(C) Category: Hospitalization

(D) Definition/Description: The six-digit facility identification number assigned by the Office, as defined in Section 97170.

(d) If a value for a data element, other than data elements specified in Subsection (d)(1), is unknown or not applicable, a hospital may submit the record without a value for that data element.

(1) A valid value must be submitted for the following data elements: Medical Record Number, Type of CABG, Date of Surgery, Sex, Date of Discharge, Discharge Status, Responsible Surgeon Name, Responsible Surgeon CA License Number, Dialysis, Previous PCI, Status, Reoperation for Bleed, Reintervention - Graft Occlusion, Deep Sternal Infection/Mediastinitis, Neuro – Stroke Permanent, Pulm - Ventilation Prolonged, Renal - Renal Failure, Renal - Dialysis Requirement, Other - A Fib, and Facility Identification Number. Note: Authority cited: Section 128810, Health and Safety Code. Reference: Section 127845, Health and Safety Code.

HISTORY

1. New section filed 4-29-2003; operative 4-29-2003 pursuant to Government Code section 11343.4 (Register 2003, No. 18).
2. Amendment filed 2-2-2006; operative 3-4-2006 (Register 2006, No. 5).
3. New subsections (a)-(a)(85)(D), subsection relettering and amendment of newly designated subsection (b) filed 1-29-2009; operative 2-28-2009 (Register 2009, No. 5).
4. Repealer of subsections (b)-(b)(59)(C), subsection relettering and amendment of newly designated subsections (b) and (b)(1) filed 2-24-2010; operative 2-24-2010 pursuant to Government Code section 11343.4 (Register 2010, No. 9).
5. New subsections (a)-(b)(1), subsection relettering and amendment of newly designated subsections (c) and (d) filed 4-11-2012; operative 4-11-2012 pursuant to Government Code section 11343.4 (Register 2012, No. 15).
6. New subsections (a)-(b), repealer of subsections (c)-(d), subsection relettering and amendment of newly designated subsections (c) and (d) filed 12-31-2014; operative 1-12-2015 pursuant to Government Code section 11343.4(b)(3) (Register 2015, No. 1).
7. Editorial correction designating paragraph following subsection (a)(23)(A) as (a)(23)(B) and relettering subsections (Register 2015, No. 34).
8. Editorial correction of subsection (a)(28)(D)(iv) (Register 2015, No. 34).
9. Change without regulatory effect amending subsections (a)(20)(D), (a)(21)(D), (a)(26)(D)(ii)4., (a)(66)(D)(i)2. and (a)(72)(B) filed 8-17-2015 pursuant to section 100, title 1, California Code of Regulations (Register 2015, No. 34).

10. New subsections (a)-(b)(1), subsection relettering and amendment of newly designated subsections (c), (c)(2)(D), (c)(2)(D)(ii)(g), (d), (e)(2)(D), (e)(2)(D)(ii) and (f) filed 9-16-2016; operative 9-16-2016 pursuant to Government Code section 11343.4(b)(3) (Register 2016, No. 38).

11. Editorial correction of subsection (c)(2)(D)(i) (Register 2016, No. 49).

12. Change without regulatory effect repealing subsections (e)-(f)(1) filed 11-30-2016 pursuant to section 100, title 1, California Code of Regulations (Register 2016, No. 49).

This database is current through 3/30/18 Register 2018, No. 13

22 CCR § 97174, 22 CA ADC § 97174

22 CCR § 97176

§ 97176. Reporting Periods and Due Date.

(a) During each calendar year there are two reporting periods. The first reporting period is January 1 through June 30; the second period is July 1 through December 31.

(b) If there has been a change in the licensure of a hospital, the effective date of a change in licensee shall constitute the start of the reporting period for the new licensee, and this first reporting period shall end on June 30 or December 31, whichever occurs first. The final day of the reporting period for the previous licensee shall be the last day their licensure was effective.

(c) A hospital shall file a report by the date the report is due. The due date is 90 days after the end of a reporting period.

(d) When a report due date is a Saturday, Sunday, or a state observed holiday, a report shall be considered timely if filed on the next business day.

(e) When a hospital has been granted an extension to submit a report, the ending date of the extension shall constitute the new due date for that report.

Note: Authority cited: Section 128810, Health and Safety Code. Reference: Section 128745, Health and Safety Code.

HISTORY

1. New section filed 4-29-2003; operative 4-29-2003 pursuant to Government Code section 11343.4 (Register 2003, No. 18).

2. Amendment of subsection (c) and new subsection (e) filed 2-24-2010; operative 2-24-2010 pursuant to Government Code section 11343.4 (Register 2010, No. 9).

3. Change without regulatory effect amending subsection (c) filed 11-30-2016 pursuant to section 100, title 1, California Code of Regulations (Register 2016, No. 49). This database is current through 3/30/18 Register 2018, No. 13

22 CCR § 97177.10

§ 97177.10. Extensions to File Report.

For discharges beginning January 1, 2009:

(a) Extensions for additional time are available to a hospital that is unable to file a report by the due date. The Office shall grant extensions no more than a cumulative total of 28 days per report. (b) Requests for extension shall be filed on or before the required due date of the report by using the extension request screen available through the CORC system to indicate the number of days requested

or by submitting the Extension Request Form (OSH-CCORP 418 (Revised 06/17)) and hereby incorporated by reference.

(c) If a hospital files a report before an extended due date, the days not used will be applied to the number of available extension days for the report.

(d) The Office shall respond within 5 days of receipt of the extension request by either granting a hospital what is determined to be a reasonable extension or disapproving the request. Hospitals which are granted an extension shall be notified by the Office of the new due date for the report.

(e) If a report is rejected on, or within 7 days before, or at any time after, any due date established by Subsections (c) or (d), of Section 97176, the Office shall grant, if available, an extension of 7 days. If fewer than 7 days are available, all available extension days will be granted.

(f) Notices regarding extension days and revised due dates will be e-mailed to the primary CCORP data contact person designated by the hospital. These notices will also be available to hospital CORC users on the CORC Data Status page.

(g) If the Office determines that the CORC system was unavailable for data submission for one or more periods of 4 or more continuous supported hours during the 4 State working days before a due date established pursuant to Section 97176, the Office shall extend the due date by 7 days.

Note: Authority cited: Section 128810, Health and Safety Code. Reference: Section 128745, Health and Safety Code.

HISTORY

1. New section filed 2-24-2010; operative 2-24-2010 pursuant to Government Code section 11343.4 (Register 2010, No. 9).

2. Change without regulatory effect amending subsection (b) filed 1-24-2018 pursuant to section 100, title 1, California Code of Regulations (Register 2018, No. 4).

This database is current through 3/30/18 Register 2018, No. 13
22 CCR § 97177.10, 22 CA ADC § 97177.10

22 CCR § 97177.15

§ 97177.15. Method of Data Transmission.

For discharges beginning January 1, 2009:

A hospital shall use the CORC system for transmitting reports, utilizing a Microsoft supported version of the Internet Explorer web browser through either:

(a) Online transmission of a report as an electronic data file, or

(b) Online entry of individual records as a batch submission.

Note: Authority cited: Section 128810, Health and Safety Code. Reference: Section 128745, Health and Safety Code.

HISTORY

1. New section filed 2-24-2010; operative 2-24-2010 pursuant to Government Code section 11343.4 (Register 2010, No. 9).

2. Amendment of first paragraph filed 2-9-2015 as an emergency; operative 2-9-2015 (Register 2015, No. 7). A Certificate of Compliance must be transmitted to OAL by 8-10-2015 or emergency language will be repealed by operation of law on the following day.

3. Certificate of Compliance as to 2-9-2015 order transmitted to OAL 6-12-2015 and filed 7-23-2015 (Register 2015, No. 30).

This database is current through 3/30/18 Register 2018, No. 13
22 CCR § 97177.15, 22 CA ADC § 97177.15

22 CCR § 97177.20 § 97177.20.

CORC System Training.

For discharges beginning January 1, 2009:

Hospitals shall ensure all CORC users have completed the Computer Based Training (CBT) for the CORC system provided on the OSHPD website prior to system use.

Note: Authority cited: Section 128810, Health and Safety Code. Reference: Section 128745, Health and Safety Code.

HISTORY

1. New section filed 2-24-2010; operative 2-24-2010 pursuant to Government Code section 11343.4 (Register 2010, No. 9).

This database is current through 3/30/18 Register 2018, No. 13

22 CCR § 97177.25

97177.25 Report Format.

(a) For discharges beginning January 1, 2018:

1. A hospital shall submit a report to the Office for discharges occurring on or after July 1, 2018 in compliance with the Office's Format and File Specifications for California Coronary Artery Bypass Graft (CABG) Outcomes Reporting Program (CCORP) Version 7.0 dated May 31, 2017 and hereby incorporated by reference.

2. The Office's Format and File Specifications are available for download from the OSHPD website. The Office will make a hardcopy available to a hospital on request.

(b) For discharges beginning January 1, 2009:

1. A hospital shall submit a report to the Office for discharges occurring on or after January 1, 2009 in compliance with the Office's Format and File Specifications for California Coronary Artery Bypass Graft (CABG) Outcomes Reporting Program (CCORP) Version 4.0, dated July 20, 2009 and hereby incorporated by reference.

(b) 2. The Office's Format and File Specifications are available for download from the OSHPD website. The Office will make a hardcopy available to a hospital on request

Note: Authority cited: Section 128810, Health and Safety Code. Reference: Section 127845, Health and Safety Code.

22 CCR § 97177.30

§ 97177.30. Data Transmittal Requirements.

For discharges beginning January 1, 2009:

Hospitals submitting a report shall include the following information to transmit each report: the hospital name, the facility identification number, the report period, the number of records in the report and the following statement of certification:

I certify under penalty of perjury that I am an official of this hospital and am duly authorized to transmit these data; and that, to the extent of my knowledge and information the accompanying records are true and correct, and that the applicable definitions of the data elements as set forth in Article 7, of Chapter 10 of Division 7 of Title 22 of the California Code of Regulations, have been followed by this hospital.

Note: Authority cited: Section 128810, Health and Safety Code. Reference: Section 128745, Health and Safety Code.

HISTORY

1. New section filed 2-24-2010; operative 2-24-2010 pursuant to Government Code section 11343.4 (Register 2010, No. 9).

This database is current through 3/30/18 Register 2018, No. 13

22 CCR § 97177.30, 22 CA ADC § 97177.30

22 CCR § 97177.35

§ 97177.35. Report Acceptance Criteria.

For discharges beginning January 1, 2009:

The following requirements must be met for the Office to accept a report:

(a) Complete transmittal information must be submitted with each report, as required by Section 97177.30.

(b) The facility identification number in each of the records in the report must be consistent with the facility identification number stated in the transmittal information.

(c) The patient discharge date in each of the records in the report is consistent with the report period. (d) The number of records stated in the transmittal information must be consistent with the number of records contained in the report.

(e) All records required to be reported pursuant to 97172 must be reported.

(f) The data must be reported in compliance with the format and file specifications in Section 97177.25.

(g) All records must include valid values for the data elements specified in 97174(b)(1).

Note: Authority cited: Section 128810, Health and Safety Code. Reference: Section 128745, Health and Safety Code.

HISTORY

1. New section filed 2-24-2010; operative 2-24-2010 pursuant to Government Code section 11343.4 (Register 2010, No. 9).

This database is current through 3/30/18 Register 2018, No. 13

22 CCR § 97177.35, 22 CA ADC § 97177.35

22 CCR § 97177.45 §

97177.45. Data Testing.

For discharges beginning January 1, 2009:

Data entered through the CORC system for testing will not be accepted as a report.

Note: Authority cited: Section 128810, Health and Safety Code. Reference: Section 128745, Health and Safety Code.

HISTORY

1. New section filed 2-24-2010; operative 2-24-2010 pursuant to Government Code section 11343.4 (Register 2010, No. 9).

This database is current through 3/30/18 Register 2018, No. 13

22 CCR § 97177.45, 22 CA ADC § 97177.45

22 CCR § 97177.50

§ 97177.50. Report Acceptance or Rejection.

For discharges beginning January 1, 2009:

(a) The Office shall accept or reject each report within 15 days of receipt. A report shall be considered not filed on the date that a hospital receives notice from the Office that a report has been rejected. Notification of acceptance or rejection of any report submitted online shall not take more than 15 days unless there is a documented CORC system failure.

(b) Notices regarding acceptance and rejection of a report will be emailed to the primary CCORP data contact person designated by the hospital. These notices will also be available to the hospital CORC users on the CORC Data Status page.

Note: Authority cited: Section 128810, Health and Safety Code. Reference: Section 128745, Health and Safety Code.

HISTORY

1. New section filed 2-24-2010; operative 2-24-2010 pursuant to Government Code section 11343.4 (Register 2010, No. 9).

This database is current through 3/30/18 Register 2018, No. 13

22 CCR § 97177.50, 22 CA ADC § 97177.50

22 CCR § 97177.55

§ 97177.55. Report Supplemental Documents.

For discharges beginning January 1, 2009:

Hospitals shall provide documentation to support data element values as required by the office.

Documentation shall be faxed to the Office.

Note: Authority cited: Section 128810, Health and Safety Code. Reference: Section 128745, Health and Safety Code.

HISTORY

1. New section filed 2-24-2010; operative 2-24-2010 pursuant to Government Code section 11343.4 (Register 2010, No. 9).

This database is current through 3/30/18 Register 2018, No. 13

22 CCR § 97177.55, 22 CA ADC § 97177.55

22 CCR § 97177.60 § 97177.60.

Correction of Data.

For discharges beginning January 1, 2009:

(a) After OSHPD completes the initial processing of reports for each report period, hospitals will be allowed a 21 day period to make report revisions. Hospitals will be notified by email of the beginning and end dates of this period.

(b) Hospitals shall use the CORC system for transmitting corrected reports. Each corrected report shall meet the acceptance criteria specified in section 97177.35.

(c) If a hospital fails to provide a valid value, or provides no value, for a data element for which, pursuant to Section 97174(b)(1), a valid value is required, by the end of the 21-day period, the Office shall assign the data element in the record the lowest risk value as observed in the most current risk adjustment model. Hospitals shall provide documentation to support data element values as required by the office.

Documentation shall be faxed to the Office.

Note: Authority cited: Section 128810, Health and Safety Code. Reference: Section 128745, Health and Safety Code.

HISTORY

1. New section filed 2-24-2010; operative 2-24-2010 pursuant to Government Code section 11343.4 (Register 2010, No. 9).

This database is current through 3/30/18 Register 2018, No. 13

22 CCR § 97177.60, 22 CA ADC § 97177.60

22 CCR § 97177.65 §

97177.65. Final Correction.

For discharges beginning January 1, 2009:

(a) After the 21 day data correction period and before the Office determines which hospitals are selected for audit, hospitals will be allowed a 30-day period to make final corrections. Hospitals will be notified by email of the beginning and end dates of this period.

(b) Hospitals shall use the CORC system for transmitting corrected reports.

(1) Each corrected report shall meet the acceptance criteria specified in section 97177.35.

(2) If a hospital fails to provide a valid value or provides no value, for a data element for which, pursuant to Section 97174(b)(1), a valid value is required, by the end of the 30-day period, the Office shall assign the data element in the record the lowest risk value as observed in the most current risk adjustment model. Hospitals shall provide documentation to support data element values as required by the office.

Documentation shall be faxed to the Office.

Note: Authority cited: Section 128810, Health and Safety Code. Reference: Section 128745, Health and Safety Code.

HISTORY

1. New section filed 2-24-2010; operative 2-24-2010 pursuant to Government Code section 11343.4 (Register 2010, No. 9).

This database is current through 3/30/18 Register 2018, No. 13

22 CCR § 97177.65, 22 CA ADC § 97177.65

22 CCR § 97177.67

§ 97177.67. Final Report and Surgeon Certification.

For discharges beginning January 1, 2009:

(a) Within the 30-day period specified in section 97177.65, each hospital shall complete correction of its report and notify CORC that its last accepted report is its final report. Once a report has been designated as final, no further changes may be made by the hospital.

(b) Each surgeon identified as a responsible surgeon in a final hospital report shall attest to the accuracy of the data for his or her CABG surgeries in that report by completing a Surgeon Certification Form (OSHCCORP 415 (Revised 06/17)) and hereby incorporated by reference.

(1) A hospital shall file with the Office, via fax, all completed and signed Surgeon Certification Forms. These shall also be filed within the 30-day period.

(2) The Surgeon Certification Form shall include the following information: the surgeon's name, the surgeon's California physician license number, the hospital name, the facility identification number, as defined in Section 97170, the reporting period's beginning and ending dates, the number

of surgeon specific records in the report presented to them by the hospital. The statement portion of the certification is to be signed and dated by the surgeon prior to filing with the Office.

(3) The surgeon's name and physician license number specified on the Surgeon Certification Form shall be consistent with the surgeon's name and physician license number as provided in the submitted hospital records, and match the California Medical Board licensing information.

(4) If a surgeon does not sign a Surgeon Certification Form, the hospitals shall submit an unsigned surgeon certification form that includes the information identified in subsection (2). The hospital shall include the reason the form was unsigned.

(5) A hospital may obtain copies of the Surgeon Certification Form from the CORC system or on the OSHPD website.

(c) If a hospital does not designate a final report by the end of the 30-day period, the last accepted report for that hospital shall be considered the final report.

Note: Authority cited: Section 128810, Health and Safety Code. Reference: Section 128745, Health and Safety Code.

HISTORY

1. New section filed 2-24-2010; operative 2-24-2010 pursuant to Government Code section 11343.4 (Register 2010, No. 9).

2. Change without regulatory effect amending subsections (b)-(b)(5) filed 1-24-2018 pursuant to section 100, title 1, California Code of Regulations (Register 2018, No. 4).

This database is current through 3/30/18 Register 2018, No. 13
22 CCR § 97177.67, 22 CA ADC § 97177.67

22 CCR § 97177.70

§ 97177.70. Hospital Data Contact Person, User Account Administrator.

For discharges beginning January 1, 2009:

(a) Each hospital at which CABG surgeries are performed shall designate a primary CCORP data contact person. A hospital shall notify CCORP of the designation in writing, by electronic mail or through the Cardiac Online Reporting for California (CORC) system within 30 days of the effective date of this regulation or within 30 days of beginning or resuming operation. A notification shall include the designated person's name, title, telephone number(s), mailing address, and electronic mail address.

(b) A hospital shall notify CCORP in writing, by electronic mail or through the CORC system within 30 days after any change in the person designated as the primary CCORP data contact person, or in the title, telephone number(s), mailing address, or electronic mail address, of the individual.

(c) Each hospital shall designate up to three User Account Administrators pursuant to Subsection (l) of Section 97170. For each User Account Administrator there must be an original signed CORC User Account Administrator Agreement Form (OSH-CCORP 757 (Rev. 06/17)) and hereby incorporated by reference, submitted to the Office. Each hospital shall notify CCORP in writing, by electronic mail or through the CORC system within 30 days after any change in a designated User Account Administrator's name, title, telephone number(s), mailing address, or electronic mail address.

(d) Each hospital is responsible for submitting its own online data report to CCORP. The hospital shall be responsible for ensuring compliance with regulations and reporting requirements when a third party vendor assists a hospital with CCORP data.

Note: Authority cited: Section 128810, Health and Safety Code. Reference: Section 128745, Health and Safety Code.

HISTORY

1. New section filed 2-24-2010; operative 2-24-2010 pursuant to Government Code section 11343.4 (Register 2010, No. 9).
2. Change without regulatory effect amending subsection (c) filed 1-24-2018 pursuant to section 100, title 1, California Code of Regulations (Register 2018, No. 4).
This database is current through 3/30/18 Register 2018, No. 13
22 CCR § 97177.70, 22 CA ADC § 97177.70

22 CCR § 97177.75

§ 97177.75. Failure to File a CABG Report.

For discharges beginning January 1, 2009:

- (a) A civil penalty of one hundred dollars (\$100) per day shall be assessed to a hospital that does not file an online report as required by this Article by the date it is due. No penalty shall be imposed during an extension period as provided in Section 97177.10.
- (b) Within 15 days after the date a report is due, unless an extension has been granted as specified in Section 97177.10, the Office shall notify a hospital that has not filed its online report of the penalties.
- (c) Assessed penalties may be appealed pursuant to Section 97052 of Title 22 of the California Code of Regulations.

Note: Authority cited: Section 128810, Health and Safety Code. Reference: Sections 128745 and 128770, Health and Safety Code.

HISTORY

1. New section filed 2-24-2010; operative 2-24-2010 pursuant to Government Code section 11343.4 (Register 2010, No. 9).
This database is current through 3/30/18 Register 2018, No. 13
22 CCR § 97177.75, 22 CA ADC § 97177.75

22 CCR § 97194

§ 97194. Audit Procedure. [Renumbered]

Note: Authority cited: Section 128810, Health and Safety Code. Reference: Sections 128745 and 128748, Health and Safety Code.

HISTORY

1. New section filed 4-29-2003; operative 4-29-2003 pursuant to Government Code section 11343.4 (Register 2003, No. 18).
2. Renumbering of former section 97194 to section 97199 filed 2-24-2010; operative 2-24-2010 pursuant to Government Code section 11343.4 (Register 2010, No. 9).
This database is current through 3/30/18 Register 2018, No. 13
22 CCR § 97194, 22 CA ADC § 97194

22 CCR § 97199

§ 97199. Audit Procedure.

(a) The Office may conduct periodic audits of a hospital's patient medical records for its CABG surgery patients. Audits may, at the Office's discretion, be performed at the hospital location. (b) The Office shall notify a hospital a minimum of 2 weeks before the date of an audit. Upon notification that an audit is planned, a hospital shall designate a person to serve as the audit contact person. A hospital

shall provide to the Office the contact person's name, title, telephone number, and electronic mail address.

(c) A hospital shall retrieve and make available the requested patient medical records for an audit, and if requested by the Office, provide a reasonable space in which the Office may conduct an audit. (d) Data abstracted during an audit may, at the Office's discretion, replace data for a given record submitted in a report filed by a hospital. Replacement data shall be used in calculating risk-adjusted mortality rates for hospitals and physicians.

Note: Authority cited: Section 128810, Health and Safety Code. Reference: Sections 128745 and 128748, Health and Safety Code. HISTORY

1. Renumbering of former section 97194 to new section 97199, including amendment of Note, filed 2-24-2010; operative 2-24-2010 pursuant to Government Code section 11343.4 (Register 2010, No. 9).

This database is current through 3/30/18 Register 2018, No. 13

22 CCR § 97199, 22 CA ADC § 97199

22 CCR § 97199.50

§ 97199.50. Hours of Operation.

The CORC System is designed for use 24 hours a day. System maintenance may cause intermittent CORC system unavailability. Contact CCORP's Hotline to report possible CORC transmission problems. Note: Authority cited: Section 128810, Health and Safety Code. Reference: Sections 128745 and 128748, Health and Safety Code.

HISTORY

1. New section filed 2-24-2010; operative 2-24-2010 pursuant to Government Code section 11343.4 (Register 2010, No. 9).

This database is current through 3/30/18 Register 2018, No. 13

22 CCR § 97199.50, 22 CA ADC § 97199.50

22 CCR § 97200

§ 97200. Contacts.

(a) Hospitals may use any of the following methods to communicate with CCORP:

(1) Hotline: 916-326-3865

(2) Email: CCORP@oshpd.ca.gov

(3) Fax: 916-445-7534

(b) The OSHPD website address is www.oshpd.ca.gov

Note: Authority cited: Section 128810, Health and Safety Code. Reference: Section 128745, Health and Safety Code.

HISTORY

1. New section filed 2-24-2010; operative 2-24-2010 pursuant to Government Code section 11343.4 (Register 2010, No. 9).

This database is current through 3/30/18 Register 2018, No. 13

22 CCR § 97200, 22 CA ADC § 97200