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Revisions to Existing Data Abstraction Instructions

The changes to the definitions are highlighted in yellow.

Amputation (Follow-up)

Amputation (Return to Operating Room (VS))

Cardiac Stress Test

Carotid Duplex Ultrasound (PRE)

Diabetes Mellitus Therapy

Ejection Fraction

Given Home Medications at Discharge?

Given Home Medications Prior to Admission?

Iliac Aneurysm

Mental Status

New Requirement for Dialysis

RT/LT Seal Zone Diameter

Type of Carotid Procedure (CEA)

Time and Date Calculator

A link to the time and date calculator has been added to the following data fields:

- Lactated Ringer's Infusion
- Saline Infusion
- Other Hydration
- Timeframe: Presentation to incision
- Timeframe: Symptoms to incision

Discharge Form

Diabetes Therapy

Subcutaneous is added as an option for the Diabetes Therapy data field and will be located between Oral and Insulin. The Diabetes Therapy is now a multi-select field and will have checkboxes instead of radio buttons. Examples of Oral Agents, Subcutaneous diabetes treatments, and Insulin are included in the data dictionary.

Selections:

- Yes
 - ☐ None
 - ☐ Diet
 - ☐ Oral
 - ☐ Subcutaneous
 - ☐ Insulin
 - ☐ Other
- No

Definition: Indicate if the patient has a history of diabetes mellitus regardless of duration of disease or need for anti-diabetic agents. This includes any occurrence between birth and arrival at this facility. Select all that apply.

Supporting Definitions:

None = No treatment for diabetes.

Diet = Diet management only.

Oral = Oral agent treatment (includes oral agent with/without diet management).

Subcutaneous = A diabetes treatment that is injected subcutaneously (under the skin). If a patient is taking Insulin, do not mark Subcutaneous.

Insulin = Insulin treatment (includes any combination with insulin). If a patient is taking Insulin, do not mark Subcutaneous. If a patient is placed on a pre-procedure diabetic pathway of insulin drop after arrival but was not on insulin therapy (treated by diet or oral method), do not enter insulin. If the patient has a pancreatic transplant, enter Other since the insulin from the new pancreas is not exogenous insulin.

Other = Any adjunctive treatment that is not in this list. If a patient is on insulin because they had a pancreatic transplant, enter Other.

Given Home medications prior to admission and Medications at Discharge Sections

The Contraindicated field will display when Not Given is entered for the following medications in the Home medications prior to admission and Medications at Discharge sections.

- Apixaban (Eliquis)
- Aspirin
- Cilostazol (Pletal)
- Clopidogrel (Plavix)
- Dabigatran (Pradaxa)
- Edoxaban (Savaysa)
- Fondaparinux (Arixtra)
- Prasugrel (Effient)
- Rivaroxaban (Xarelto)
- Statins
- Ticagrelor (Brilinta)
- Warfarin/Coumadin

GLP-1 Agonist

GLP-1 Agonist is a new field in the Home medications prior to admission and Medications at Discharge sections. This field will be located between Fondaparinux (Arixtra) and Other Cholesterol Lowering Agents.

Data Abstraction Instructions:

Record if a GLP-1 Agonist was Given or Not Given at admission and/or discharge.

Home Medications Prior to Admission?

Enter Yes if the patient was taking a GLP-1 Agonist before admission. Enter home medications prior to admission for patients who expire during the hospital encounter.

Enter No if the patient was not taking a GLP-1 Agonist before admission.

Medications at Discharge?

Enter Yes if a GLP-1 Agonist was documented as a new medication or continued at discharge.

Enter No if a GLP-1 Agonist was not documented as a new medication or was discontinued at discharge.

NOTE: Medication lists provided are not all inclusive. If the medication you are looking for is not in this dictionary, go to <https://www.drugs.com/>

Selections:

GLP-1 Agonist

- Given
- Not Given

Required: Yes

Supporting Definitions:

Some examples of GLP-1 Agonists are:

Generic Name	Brand Name
Albiglutide	Tanzeum
Dulaglutide	Trulicity
Exenatide	Byetta, Bydureon
Liraglutide	Victoza, Saxenda
Lixisenatide	Adlyxin
Semaglutide	Ozempic, Wegovy, Rybelsus
Tirzepatide	Mounjaro, Zepbound

SGLT-2 Inhibitor

SGLT-2 Inhibitor is a new field in the Home medications prior to admission and Medications at Discharge sections. This field will be located between Rivaroxaban (Xarelto) and Statins.

Data Abstraction Instructions:

Record if an SGLT-2 Inhibitor was Given or Not Given at admission and/or discharge.

Home Medications Prior to Admission?

Enter Yes if an SGLT-2 Inhibitor was documented as a new medication or continued at discharge.

Enter No if an SGLT-2 Inhibitor was not documented as a new medication or was discontinued at discharge.

NOTE: Medication lists provided are not all inclusive. If the medication you are looking for is not in this dictionary, go to <https://www.drugs.com/>

Selections:

SGLT-2 Inhibitor

- Given

- Not Given

Required: Yes

Supporting Definitions:

Some examples of SGLT-2 Inhibitors are:

Generic Name	Brand Name
Bexagliflozin	Brenzavvy
Canagliflozin	Invokana
Dapagliflozin	Farxiga
Empagliflozin	Jardiance
Empagliflozin + Metformin	Synardy
Ertugliflozin	Steglatro

Procedure Forms

CEA & VS Procedures

Skin Preparation

We removed the Chlorhexidine and Alcohol options from the Skin Preparation data field. This data field is on the CEA, EVAR, Open AAA, Open Bypass, and Open Thrombectomy procedure forms. The options will be a single-select instead of multi-select field (radio buttons instead of checkboxes).

Selections:

- Iodine
- Chlorhexidine + Iodine
- Chlorhexidine + Alcohol
- Iodine + Alcohol

Definition:

Enter the skin prep used to prep the skin before the incision was made.

Supporting Definitions:

Iodine = Iodine may be documented as:

- Betadine
- Dynarex
- Iodine
- McKesson Povidone-iodine Surgical Scrub
- Povidone-Iodine Prep
- “gel prep”
- “wet prep”

Chlorhexidine + Iodine = Chlorhexidine and Iodine are usually used separately to prep the skin.

Chlorhexidine + Alcohol = All Chlorhexidine skin prep products contain Alcohol – either as an active or inactive ingredient. When Chlorhexidine is documented as a skin prep, enter Chlorhexidine + Alcohol.

Chlorhexidine + Alcohol may be documented as:

- 3M SoluPrep
- BD ChlorPrep
- Betasept
- CHG
- ChlorPrep
- Chlorhexidine
- Chlorhexidine Gluconate
- Exidine
- Hex-A-Clens
- Hibiclens

Contraindicated to Chlorhexidine & Alcohol Skin Preparation

We changed the workflow of this data field. This field will display when “Chlorhexidine + Alcohol” IS NOT marked for the Skin Preparation data field.

VS Procedures

Contrast Types and Total IV Contrast Used

Contrast Types and Total IV Contrast Used data fields will be collected for EVAR procedures only. We removed these fields for Open AAA, Open Bypass, and Open Thrombectomy procedures.

Medications During Procedure

For the following medications, Contraindication to X medication will display when Not Given is entered.

- Aspirin (PRE) Procedure
- Clopidogrel (Plavix) (PRE) Procedure
- Prasugrel (Effient) (PRE) Procedure
- Ticagrelor (Brilinta) (PRE) Procedure

EVAR Procedures

1. We removed Y/N from the following fields. The child field will now be the parent field.

- Aneurysm Location
- Aneurysm Anatomy

2. **Total IV Contrast Used**

This field will display when Yes is entered for Contrast Types.

Open AAA Procedures

1. We removed Y/N from the following fields. The child field will now be the parent field.
 - Aneurysm Location
 - Aneurysm Anatomy

Open Thrombectomy Procedures

1. We relocated the Closure for Open Exposure data field. It is under the Vessel Location data field under Procedure Details for open thrombectomy procedures.
2. We relocated the Initial Wound Vac Placement in OR data field. It is under the Closure for Open Exposure data field under Procedure Details for open thrombectomy procedures.

Return to Operating Room (under Outcomes Post Procedure)

We moved the following data fields under Outcomes Post Procedure for VS procedures to Return to OR data field and are now a child field for Return to OR. Amputation, Compartment Syndrome, Embolus, Stent/Graft Thrombosis, and Thrombus. These fields have Yes and No removed. They will keep their calendar field and other child fields if applicable. The calendar field and other child fields will display when the associated option is marked. Return to OR will remain a multi-select field.

Amputation: We are collecting the most severe amputation instead of the first amputation for patients who have multiple amputations in the same hospital encounter.

Definition:

Indicate if the patient had to return to the Operating Room post procedure related to the index surgery. Select all that apply.

Do not enter return to OR for washouts of the wound, wound vac placement, or wound vac changes.

Selections:

- Yes
 - ☐ Amputation
 - Date of Amputation
 - Planned
 - Unplanned
 - Amputation Point
 - ☐ Bleeding
 - Date of Bleeding
 - ☐ Compartment Syndrome
 - Date of Compartment Syndrome
 - ☐ Embolus
 - Date of Embolus
 - Successful
 - Unsuccessful
 - ☐ Endoleak
 - Date of Endoleak

- ☐ Graft Revision
 - Date of Graft Revision
- ☐ Infection
 - Date of Infection
- ☐ Other
 - Date of Other
- ☐ Renal Ischemia
 - Date of Renal Ischemia
- ☐ Stent/Graft Thrombosis
 - Date of Stent/Graft Thrombosis
 - Successful
 - Unsuccessful
- ☐ Thrombus
 - Date of Thrombus
 - Successful
 - Unsuccessful
- No

The Thrombus child field will have Successful and Unsuccessful options added to it.

The Amputation child field will have Planned and Unplanned options added to it.

Definition for Planned and Unplanned under Amputation:

Planned = An amputation that is scheduled and anticipated, often due to a chronic medical condition or planned treatment, allowing for preparation and planning.

Example: A patient has a gangrenous toe before their open bypass procedure and will need to have a toe amputation after the open bypass procedure.

Unplanned = An amputation performed that was not anticipated or scheduled before the revascularization, or unexpectedly due to embolism, as a result of the index procedure, trauma, or injuries, or an intervention was performed to prevent an amputation, but the intervention failed.

Example 1: A patient develops a gangrenous toe after an EVAR procedure and needs to have the toe amputated.

Example 2: A patient has an open bypass to restore flow to the leg. The bypass graft gets clotted off, and the patient returns to the OR for an amputation.

Example 3: A patient has a PVI to restore flow to the leg. The PVI is not successful, and the patient returns to the OR for an amputation.

CEA and CAS Procedures

Neurologic Event(s) prior to procedure

We have collapsed these fields for this section.

CEA Procedure

Monitoring During Procedure

We added Train of Four as a child field. This option will be located between EEG and Other.

CAS Procedures

Embolic Protection Model Name

In the Lesion 1 and Lesion 2 sections, Embolic Protection Model Name will display when Yes is entered for Embolic Protection Successfully Deployed.

VS and Carotid 30-day and 1-year Follow-up Forms

The Contraindicated to X medication field will display when No is entered for the following medications.

- Anticoagulant
- Antiplatelet
- Aspirin
- Statin

VS 30-day and 1-year follow-up forms

Not Documented was removed from the following fields on the VS 30-day and 1-year follow-up form.

- Open Bypass Re-operation
- MI
- Amputation
- TIA/Stroke

EVAR Imaging Performed (Under Procedure Types)

EVAR Current AAA diameter and EVAR Current Endoleak will display when Yes is entered for EVAR Imaging Performed.

VS 30-day Follow-up Form

Not Documented was removed from the following data fields on the VS 30-day follow-up form.

- Renal Failure/Dialysis
- Transfusion

Carotid 30-day and 1-year Follow-up Form

Not Documented was removed from the MI data field.