



Medications Data Dictionary

**Blue Cross Blue Shield of Michigan
Vascular Surgery Registry
Data Collection Definitions**

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Medications

Data Abstraction Instructions:

Record for each medication if it was Given at Admission and/or Discharge and/or before, during or after a procedure; Contraindicated or Not Given. Also indicate if no medications were given at admission and/or discharge.

Selections:

- **Home medications prior to admission** = Prescribed medications the patient was taking prior to admission.
- **Pre** = Medications administered from admission, or previous procedure, to the start of the current procedure (incision time).
- **During** = Medications administered between the incision time and out of OR time.
- **Post** = Medications administered from the time the patient has left the procedure area through discharge, or next procedure, whichever is first.
- **Discharge** = Prescribed medications on which the patient was discharged.
- **Contraindicated** = History of allergy/reaction/sensitivity/intolerance to medication that is documented in the patient record or a physician dictation which states a contraindication.
- **Not Given** = If the drug was not administered to the patient at any time.
- **No medications** = The patient was not taking any medications prior to discharge or after discharge.

Supporting Definitions:

Vascular Surgery discharge medications should not be entered on a patient that dies prior to discharge.

For Combination Therapy record as follows:

In case of combination drugs individual components should be recorded, e.g., zestoretic is a combination of lisinopril and hydrochlorothiazide (HCTZ); this should be recorded as ACE inhibitor.

NOTE: Medication lists provided are not all inclusive.

Required:

Yes

Beta Blockers

Data Abstraction Instructions:

Record if Given, Not Given, and/or Contraindicated at admission and/or discharge.

Selections:

- Given
 - Contraindicated
 - Yes
 - No
- Not Given

Supporting Definitions:

Acebutolol	Sectral
Atenolol	Tenormin
Atenolol + Chlorthalidone *	Tenoretic
Betaxolol	Kerlone
Bisoprolol	Zebeta
Bisoprolol + HCTZ *	Ziac
Carvedilol	Coreg
Esmolol	Brevibloc
Labetalol	Trandate
Metroprolol	Lopressor, Toprol
Metroprolol + HCTZ *	Lopressor HCT, Dutroprol
Nadolol	Corgard
Nadolol + Bendroflumethiazide *	Corzide
Nebivolol	Bystolic
Penbutolol	Levatol
Pindolol	Visken
Propranolol	Inderal, InnoPran
Propranolol + HCTZ *	Inderide
Timolol	Blocadren
Timolol + HCTZ *	Timolide

Required:

Yes

ACE Inhibitors

Data Abstraction Instructions:

Record if Given, Not Given, and/or Contraindicated at admission and/or discharge.

Selections:

- Given
 - Contraindicated
 - Yes
 - No
- Not Given

Supporting Definitions:

Benazepril	Lotensin
Benazepril + HCTZ *	Lotensin HCT
Benazepril + Amlodipine *	Lotrel
Captopril	Capoten
Captopril + HCTZ *	Captocide
Cilazapril	Inhibace
Cilazapril + HCTZ *	Inhibace Plus
Enalapril	Vasotec, Enalaprilat
Enalapril + HCTZ *	Vaseretic
Enalapril + Felodipine *	Lexxel
Fosinopril	Monopril
Fosinopril + HCTZ *	Monopril HCT
Lisinopril	Zestril, Prinivil
Lisinopril + HCTZ *	Prinzide, Zestoretic
Moexipril	Univasc
Moexipril + HCTZ *	Uniretic
Perindopril	Aceon
Quinapril	Accupril
Quinapril + HCTZ *	Accuretic
Trandolapril	Mavik
Trandolapril + Verapamil *	Tarka

Required:

Yes

Angiotensin II Receptor Antagonist (ARB's)

Data Abstraction Instructions:

Record if Given, Not Given, and/or Contraindicated at admission and/or discharge.

Selections:

- Given
 - Contraindicated
 - Yes
 - No
- Not Given

Supporting Definitions:

Candesartan	Atacand
Candesartan + HCTZ *	Atacand HCT
Eprosartan	Teveten
Eprosartan + HCTZ *	Teveten HTC
Irbesartan	Avapro
Irbesartan + HCTZ *	Avalide
Losartan	Cozaar
Losartan + HCTZ *	Hyzaar
Olmesartan	Benicar
Olmesartan + Amlodipine *	Azor
Olmesartan + HCTZ *	Benicar HCT
Olmesartan + Amlodipine + HCTZ *	Tribenzor
Telmisartan	Micardis
Telmisartan + HCTZ *	Micardis HCT
Valsartan	Diovan
Valsartan + HCTZ *	Diovan HCT
Valsartan + Amlodipine *	Exforge
Valsartan + Amlodipine + HCTZ *	Exforge HCT

Required:

Yes

Statins

Data Abstraction Instructions:

Record if Given, Not Given, and/or Contraindicated at admission and/or discharge.

Selections:

- ♦ Given
 - Contraindicated
 - Yes
 - No
- ♦ Not Given

Supporting Definitions:

Atorvastatin	Lipitor
Cerivastatin	Baycol
Fluvastatin	Lescol
Lovastatin	Mevacor
Pravastatin	Pravachol
Simvastatin	Zocor
Rosuvastatin	Crestor
Lovastatin + Niacin *	Advicor
Atorvastatin + Amlodipine *	Caduet
Simvastatin + Ezetimibe *	Vytorin
Simvastatin + Niacin *	Simcor
Pitavastatin	Livalo

Required:

Yes

Aspirin

Data Abstraction Instructions:

Record if Given, Not Given, and/or Contraindicated at admission, discharge and/or before the procedure.

Selections:

- Given
 - Pre (on procedure worksheet)
 - Contraindicated
 - Yes
 - No
- Not Given

Supporting Definitions:

To code "yes" for aspirin, the minimum dose should be at least 75mg.

Required:

Yes

Clopidogrel (Plavix)

Data Abstraction Instructions:

Record if Given, Not Given, and/or Contraindicated at admission, discharge, before the procedure and/or during the procedure.

Selections:

- Given
 - Pre (on procedure worksheet)
 - During (on procedure worksheet)
 - Contraindicated
 - Yes
 - No
- Not Given

Required:

Yes

Prasugrel (Effient)

Data Abstraction Instructions:

Record if Given, Not Given, and/or Contraindicated at admission, discharge, before the procedure and/or during the procedure.

Selections:

- Given
 - Pre (on procedure worksheet)
 - During (on procedure worksheet)
 - Contraindicated
 - Yes
 - No
- Not Given

Required:

Yes

Dabigatran (Pradaxa)

Data Abstraction Instructions:

Record if Given, Not Given, and/or Contraindicated at admission and/or discharge.

Selections:

- Given
 - Contraindicated
 - Yes
 - No
- Not Given

Required:

Yes

Ticagrelor (Brilinta)

Data Abstraction Instructions:

Record if Given, Not Given, and/or Contraindicated at admission, discharge, before the procedure and/or during the procedure.

Selections:

- Given
 - Pre (on procedure worksheet)
 - During (on procedure worksheet)
 - Contraindicated
 - Yes
 - No
- Not Given

Required:

Yes

Cilostazol (Pletal)

Data Abstraction Instructions:

Record if Given, Not Given, and/or Contraindicated at admission and/or discharge.

Selections:

- Given
 - Contraindicated
 - Yes
 - No
- Not Given

Required:

Yes

Edoxaban(Savaysa)

Data Abstraction Instructions:

Record if Given or Not Given at admission and/or discharge.

Selections:

- Given
- Not Given

Required:

Yes

Other Cholesterol Lowering Agents

Data Abstraction Instructions:

Record if Given or Not Given at admission and/or discharge. Record only cholesterol lowering agents that are prescription strength. Do not record over-the-counter (OTC) medications.

Selections:

- Given
- Not Given

Supporting Definitions:

Bezafibrate	Bezalip
Ezetimibe	Zetia, Ezetrol
Fenofibrate	Tricor, Antara, Lipofen, Triglide, Lipidil Micro, Lipidil Supra, Lipidil EZ
Fenobric Acid	Fibricor, TriLipix
Gemfibrozil	Lopid

Required:

Yes

Fondaparinux (Arixtra)

Data Abstraction Instructions:

Record if Given or Not Given at admission and/or discharge.

Selections:

- Given
- Not Given

Required:

Yes

Rivaroxaban (Xarelto)

Data Abstraction Instructions:

Record if Given or Not Given at admission and/or discharge.

Selections:

- Given
- Not Given

Required:

Yes

Apixaban (Eliquis)

Data Abstraction Instructions:

Record if Given or Not Given at admission and/or discharge.

Selections:

- Given
- Not Given

Required:

Yes

Warfarin/Coumadin

Data Abstraction Instructions:

Record if Given or Not Given at admission and/or discharge.

Selections:

- Given
- Not Given

Required:

Yes

PSK9 Inhibitor

Record if Given or Not Given at admission and/or discharge.

Selections:

- Given
- Not Given

Required:

Yes

Supporting Definition:

evolocumab (Repatha)

alirocumab (Praluent)

Atropine

Data Abstraction Instructions:

Record if Given or Not Given during a CAS or CEA procedure.

Selections:

- Given
 - If given, choose all that apply.
- Not Given

Required:

Yes

Nitrates/IV Nitroglycerin

Data Abstraction Instructions:

Record if Given or Not Given during the procedure. PRN nitroglycerin does not qualify.

Selections:

- Given
 - If given, choose all that apply.
- Not Given

Supporting Definitions:

Isosorbide Dinitrate	Dilatrate SR, Isordil
Isosorbide Dinitrate + Hydralazine *	Bidil
Isosorbide Mononitrate	Imdur, Ismo, Monoket
Nitroglycerin	Nitro-bid, Nitro-Dur
Nitroglycerin Ointment	Nitrol, Nitro-BID
Nitroglycerin: IV infusion	Tridil
Nitroglycerin: Nitrolingual Spray	NitroMist, Nitrolingual
Nitroglycerin: Sublingual	Nitrostat, NitroQuick
Nitroglycerin: Transdermal	Minitran, NitroDur
Nitroglycerin: Transmucosal	Nitroguard

Required:

Yes

IV Heparin/Unfractionated Heparin

Data Abstraction Instructions:

Record if Given before, during and/or after the procedure or Not Given. Record Heparin that was administered IV, IC or IA (bolus during the procedure) to the patient. Do not include low dose (unfractionated) heparin given SQ for DVT prophylaxis

Selections:

- Given
 - If given, choose all that apply.
- Not Given

Required:

Yes

Protamine

Data Abstraction Instructions:

Record if Given before, during and/or after the procedure or Not Given.

Selections:

- Given
 - If given, choose all that apply.
- Not Given

Required:

Yes

Bivalirudin (Angiomax)

Data Abstraction Instructions:

Record if Given or Not Given during the procedure.

Selections:

- Given
 - If given, choose all that apply.
- Not Given

Required:

Yes

Thrombolytics (TPA, TNK, rPA)

Data Abstraction Instructions:

Record if Given before, during and/or after the procedure or Not Given.

Selections:

- Given
 - If given, choose all that apply.
- Not Given

Required:

Yes

Sodium Bicarbonate Infusion

Data Abstraction Instructions:

Record if Given before, during and/or after the procedure or Not Given.

***PLEASE DO NOT INCLUDE SODIUM BICARBONATE ADMINITERED IN BOLUS DOSES, ONLY IV INFUSION.**

Selections:

- Given
 - If given, choose all that apply.
- Not Given

Required:

Yes

Saline Infusion

Data Abstraction Instructions:

Record if administered.

Selections:

- ♦ Given
 - Infusion < 1 hour
 - Pre
 - During
 - Post
 - Infusion 1 - 3 hours
 - Pre
 - During
 - Post
 - Infusion ≥3 - 6 hours
 - Pre
 - During
 - Post
 - Infusion > 6 hours
 - Pre
 - During
 - Post
- ♦ Not Given

Supporting Definitions:

Saline rate for inclusion is ≥ 50 cc/hr. Document an infusion of 0.45% Normal Saline under Other Hydration.

Required:

Yes

Lactated Ringer's Infusion

Data Abstraction Instructions:

Record if administered.

Selections:

- ◆ Given
 - Infusion < 1 hour
 - Pre
 - During
 - Post
 - Infusion 1 - 3 hours
 - Pre
 - During
 - Post
 - Infusion ≥3 - 6 hours
 - Pre
 - During
 - Post
 - Infusion > 6 hours
 - Pre
 - During
 - Post
- ◆ Not Given

Supporting Definitions:

LR rate for inclusion is ≥ 50 cc/hr.

Required:

Yes

Other Hydration

Data Abstraction Instructions:

Record if fluids for hydration (other than 0.9 NS or LR) were administered.

Selections:

- Given
 - Infusion < 1 hour
 - Pre
 - During
 - Post
 - Infusion 1 - 3 hours
 - Pre
 - During
 - Post
 - Infusion ≥3 - 6 hours
 - Pre
 - During
 - Post
 - Infusion > 6 hours
 - Pre
 - During
 - Post
- Not Given

Supporting Definitions:

Rate for inclusion must be ≥ 50 cc/hr. PlasmaLyte and 0.45% NS are entered under Other Hydration. Include the volume of PlasmaLyte and 0.45% NS in the Total Crystalloids field under Procedure Details.

Required:

Yes