



## Vascular Surgery Follow-up Report Dictionary

This data dictionary is the data dictionary for both 30-day and 1-year follow up-forms related to Vascular Surgery procedures.

For any follow-up form to be counted as complete and included in the follow-up report, a minimum of current living status and four other fields are marked with a response other than 'Not Documented.'

The Discharge Status of Death will exclude forms due at 30-days from the numerator and denominator.

The Discharge Status of Death OR Current Living Status of Dead on the 30-Day follow-up form will exclude forms due at 1-year from the numerator and denominator.

Dictionary updated with Q4 2021 report changes.

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## Patients Enrolled

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The number of discharges containing a VS procedure. The numerator and denominator are the same.

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## Forms Due

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The number of follow-up forms due, as of the date the report is generated.

At 30 days: The numerator is the total number of VS follow-up forms due in the given time period. The denominator is the total number of VS discharges in the given time period. A discharge status of Death excludes the form from the numerator and denominator.

At 1 year: The numerator is the total number of VS follow-up forms due in the given time period. The denominator is the total number of VS discharges in the given time period. A discharge status of Death or Current Living Status of Dead on the 30-day follow-up form excludes the form from the numerator and denominator.

See the Forms Completed definition below for the definition of a completed form.

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## Forms Completed

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Numerator: The number of VS follow-up forms that were completed, as of the date the report was run, with a sufficient number of responses to be deemed complete.

Denominator: The number of VS follow-up Forms Due.

Note:

- A completed form is defined as one in which at least the Current Living Status and four other fields are marked with a response other than 'Not Documented'.
- A discharge status of Death or Current Living Status of Dead will exclude the discharge from the numerator and denominator.

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## VS and Carotid Forms Completed (P4P)

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Numerator: The number of VS and carotid 1-year follow-up forms, as of the date the report was run, with Current Living Status and four other fields marked with a response other than 'Not documented.' Denominator: The number of VS and carotid 1-year follow-up forms due.

Death prior to 1-year follow up is excluded from the numerator and denominator.

Goal >90%

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## Current Living Status (Dead)

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Numerator: The number of completed VS follow-up forms where Dead is entered for Current Living Status. Denominator: The number of completed VS follow-up forms.

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## Current Living Status

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Numerator: The number of completed VS follow-up forms where X is entered for Current Living Status. Denominator: The number of completed VS follow-up forms.

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## Readmissions

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Numerator: The number of completed VS follow-up forms where the patient was readmitted to the hospital. Denominator: The number of completed VS follow-up forms.

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## Reason for Readmission to Hospital

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Numerator: The number of completed VS follow-up forms that have X entered as a reason for Readmission to Hospital. Denominator: The number of completed VS follow-up forms where the patient was readmitted to the hospital.

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## Smoking

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Numerator: The number of completed VS follow-up forms for an elective VS procedure where the patient smoked cigarettes, cigars, pipe, or chewed tobacco and Yes is entered for Smoking on the follow-up form.

Denominator: The number of completed VS follow-up forms for an elective VS procedure where the patient smoked cigarettes, cigars, pipe or chewed tobacco and either Yes or No is entered for Smoking on the follow-up form.

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## Smoking Cessation Since DC

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Numerator: The number of completed VS follow-up forms for an elective VS procedure where the patient smoked cigarettes, cigars, pipe, or chewed tobacco and No is entered for Smoking on the follow-up form.

Denominator: The number of completed VS follow-up forms for an elective VS procedure where the patient smoked cigarettes, cigars, pipe or chewed tobacco and either Yes or No is entered for Smoking on the follow-up form.

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## Medication Compliance

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Numerator: The number of completed VS follow-up forms that have Yes entered for X medication AND the patient was discharged on the same medication.

Denominator: The number of completed VS follow-up forms that have either Yes or No entered for X medication AND the patient was discharged on the same medication.

Medications that are contraindicated will be excluded from the numerator and denominator of X medication.

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## Antiplatelets (ex ASA)

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Numerator: The number of completed VS follow-up forms that have Yes entered for antiplatelets AND the patient was discharged on an antiplatelet.

Denominator: The number of completed VS follow-up forms that have either Yes or No entered for antiplatelets AND the patient was discharged on an antiplatelet.

Exclusion: A contraindication to antiplatelets. Note: This measure does not include aspirin.

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## Statins

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Numerator: The number of completed VS follow-up forms that have Yes entered for statins AND the patient was discharged on a statin.

Denominator: The number of completed VS follow-up forms that have either Yes or No entered for statins AND the patient was discharged on a statin.

Exclusion: A contraindication to a statin.

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## Aspirin

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Numerator: The number of completed VS follow-up forms that have Yes entered for aspirin AND the patient was discharged on aspirin.

Denominator: The number of completed VS follow-up forms that have either Yes or No entered for aspirin AND the patient was discharged on aspirin.

Exclusion: A contraindication to aspirin.

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## Beta Blockers

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Numerator: The number of completed VS follow-up forms that have Yes entered for beta blockers AND the patient was discharged on a beta blocker.

Denominator: The number of completed VS follow-up forms that have either Yes or No entered for beta blockers AND the patient was discharged on a beta blocker.

Exclusion: A contraindication to beta blockers.

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## ACE Inhibitors

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Numerator: The number of completed VS follow-up forms that have Yes entered for ACE Inhibitors AND the patient was discharged on an ACE Inhibitor.

Denominator: The number of completed VS follow-up forms that have either Yes or No entered for ACE Inhibitors AND the patient was discharged on an ACE Inhibitor.

Exclusion: A contraindication to ACE Inhibitors.

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## Coumadin

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Numerator: The number of completed VS follow-up forms that have Yes entered for Anticoagulant AND the patient was discharged on Coumadin.

Denominator: The number of completed VS follow-up forms that have either Yes or No entered for Anticoagulant AND the patient was discharged on Coumadin.

Exclusion: A contraindication to Coumadin.

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## Total Open AAAs w/follow-up

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Numerator: The number of completed VS follow-up forms with an Open AAA procedure in the corresponding discharge.

Denominator: The number of VS follow-up forms that are due for an Open AAA procedure in the corresponding discharge.

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## Subsequent Operations

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Numerator: The number of completed VS forms where the patient had subsequent operations related to the Open AAA repair.

Denominator: The number of completed VS follow-up forms with an Open AAA procedure in the corresponding discharge

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## Incision

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Numerator: The number of completed VS forms in which the response for "Open AAA Subsequent Operations" is "Incision".

Denominator: The number of completed VS forms where the patient had subsequent operations related to the Open AAA repair.

Note: Incision = A subsequent procedure performed related to infection or hernia.

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## Graft

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Numerator: The number of completed VS forms in which the response for "Open AAA Subsequent Operations" is "Graft".

Denominator: The number of completed VS forms where the patient had subsequent operations related to the Open AAA repair.

Note: Graft = An additional procedure was performed related to infection, thrombosis, pseudo-aneurysm, or aortoenteric fistula.

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## Intestine

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Numerator: The number of completed VS forms in which the response for "Options for Open AAA Subsequent Operations" is "Intestine".

Denominator: The number of completed VS forms where the patient had subsequent operations related to the Open AAA repair.

Note: Intestine = An additional was performed related to bowel obstruction or aortoenteric fistula.

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## Leg Ischemia

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Numerator: The number of completed VS forms in which the response for "Open AAA Subsequent Operations" is "Leg Ischemia".

Denominator: The number of completed VS forms where the patient had subsequent operations related to the Open AAA repair.

Note: Leg ischemia = An additional procedure was performed related to thrombosis or embolism.

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## Total EVARs w/follow-up

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Numerator: The number of completed VS follow-up forms that have an EVAR procedure in the corresponding discharge.

Denominator: The number of VS follow-up forms that are due that have an EVAR procedure in the corresponding discharge.

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## EVAR Current AAA Diameter (mean, stdev)

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The mean (average) and standard deviation of the Current AAA Diameter for completed VS follow-up forms with an EVAR procedures in the corresponding discharge.

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## EVAR Imaging Performed (P4P)

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Numerator: The number of completed VS 1-year follow-up form with an EVAR procedure in the corresponding discharge where a CT or US was performed within 6 months - 14 months of the date of discharge.

Denominator: The number of completed VS follow-up forms that have an EVAR procedure in the corresponding discharge.

Exclusions from the numerator and denominator: Death prior to 1-year follow-up.

Goal >70%

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## EVAR Current Endoleak

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Numerator: The number of completed VS forms where the patient has an endoleak at the time of follow-up.

Denominator: The number of completed VS follow-up forms that have an EVAR procedure in the corresponding discharge.

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### Type 1

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Numerator: The number of completed VS forms that have a Type 1 Endoleak.

Denominator: The number of completed VS forms where the patient has an endoleak at the time of follow-up.

Note: Type 1 Endoleak = Attachment site, proximal or distal attachment site leak.

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### Type 2

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Numerator: The number of completed VS forms that have a Type 2 Endoleak.

Denominator: The number of completed VS forms where the patient has an endoleak at the time of follow-up.

Note: Type 2 Endoleak = Branch, retrograde filling of sac via lumbar, IMA or accessory renals.

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### Type 3

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Numerator: The number of completed VS forms that have a Type 3 Endoleak.

Denominator: The number of completed VS forms where the patient has an endoleak at the time of follow-up.

Note: Type 3 Endoleak = Mid, filling of sac via leak at component overlap sites or fabric tear.

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### Indeterminate

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Numerator: The number of completed VS forms where the endoleak type is Indeterminate.

Denominator: The number of completed VS forms where the patient has an endoleak at the time of follow-up.

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## Additional Procedure

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Numerator: The number of completed VS forms where an additional procedures was performed that was related to the EVAR.

Denominator: The number of completed VS follow-up forms that have an EVAR procedure in the corresponding discharge.

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## Reason for Additional Procedure

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Numerator: The number of completed VS forms in which the response for "EVAR Additional Procedure" is X.

Denominator: The number of completed VS forms where an additional procedure was performed that was related to the EVAR.

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## Conversion to Open

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Numerator: The number of completed VS forms where the EVAR repair was converted to open AAA repair after discharge.

Denominator: The number of completed VS follow-up forms that have an EVAR procedure in the corresponding discharge.

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## Reason for Conversion to Open

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Numerator: The number of completed VS forms in which the response for "EVAR Conversion to Open" is X.

Denominator: The number of completed VS forms where the EVAR repair was converted to open AAA repair after discharge.

Note: Multiple reasons for EVAR Conversion to Open can be selected.

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## Total Open Bypass w/follow-up

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Numerator: The number of completed VS follow-up forms that have an Open bypass procedure in the corresponding discharge.

Denominator: The number of VS follow-up forms that are due that have an Open bypass procedure in the corresponding discharge.

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## Open Bypass Revision

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Numerator: The number of completed VS follow-up forms where the patient was readmitted to the hospital for a graft revision.

Denominator: The number of completed VS follow-up forms that have an Open bypass procedure in the corresponding discharge.

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## Surgical

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Numerator: The number of completed VS forms in which the response for "Open Bypass Revision" is "Surgical".

Denominator: The number of completed VS follow-up forms where the patient was readmitted to the hospital for a graft revision.

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## Percutaneous

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Numerator: The number of completed VS forms in which the response for "Open Bypass Revision" is "Percutaneous".

Denominator: The number of completed VS follow-up forms where the patient was readmitted to the hospital for a graft revision.

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## Open Bypass Patency

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Numerator: The number of completed VS forms that have Yes entered for "Open Bypass Patent".

Denominator: The number of completed VS forms that have Yes or No entered for "Open Bypass Patency".

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## Open Bypass Pulses

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Numerator: The number of completed VS follow-up forms in which "Open Bypass Pulses" has been selected.

Denominator: The number of completed VS follow-up forms that have an Open bypass procedure in the corresponding discharge.

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## Method for Determining Graft Patency

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Numerator: The number of completed VS follow-up forms in which the response for "Open Bypass Pulses" is X method for determining graft patency.

Denominator: The number of completed VS follow-up forms in which "Open Bypass Pulses" has been selected.

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## Amputation (planned)

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Numerator: The number of completed VS follow-up forms where the patient had an amputation post-hospitalization. Denominator: The number of completed VS follow-up forms.

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## MI

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Numerator: The number of completed VS follow-up forms where the patient was readmitted to the hospital for an MI post-procedure.

Denominator: The number of completed VS follow-up forms.

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## Stroke/TIA

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Numerator: The number of completed VS follow-up forms where the patient was readmitted to the hospital for Stroke or TIA post-procedure.

Denominator: The number of completed VS follow-up forms.

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## Renal Failure/dialysis

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Numerator: The number of completed VS follow-up forms where the patient was readmitted to the hospital for renal failure or a new requirement of dialysis post-procedure.

Denominator: The number of completed VS follow-up forms.

Note: Renal failure/dialysis report at 30 days only.

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## Transfusions

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Numerator: The number of completed VS follow-up forms where the patient was readmitted to the hospital and a Transfusion of PRBCs was given.

Denominator: The number of completed VS follow-up forms.

Note: Transfusion reported at 30 days only.

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## EVAR Imaging Performed Goal - $\geq 70\%$

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EVAR Imaging Performed - Goal  $\geq 70\%$

For each hospital, calculate the percentage of discharges meeting the EVAR Imaging Performed criteria. This is the same as the definition for EVAR Imaging Performed on the Vascular Surgery 1-Year Follow-up report.

**Goal  $\geq 70\%$**