



## 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 Q1 2022 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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## Patient still taking opioid

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Numerator: The number of completed 30-day VS follow-up forms where the patient is taking the same opioid as prescribed at discharge or is taking a new opioid/dose.

Denominator: The total number of completed 30-day VS follow-up forms.

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## Same as discharge

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Numerator: The number of completed 30-Day VS follow-up forms where the patient is taking the same opioid as was prescribed at discharge.

Denominator: The total number of completed 30-day VS follow-up forms where the patient is taking the same opioid as prescribed at discharge or is taking a new opioid/dose.

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## New opioid/dose

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Numerator: The number of completed 30-Day VS follow-up forms where the patient is taking a new opioid/dose.

Denominator: The total number of completed 30-day VS follow-up forms where the patient is taking the same opioid as prescribed at discharge or is taking a new opioid/dose.

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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 procedures 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 is 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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## Graphs

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Each graphs will be a bar plot. On the x axis, each hospital is listed. On the y axis, X metric is listed.

The hospitals on the report graphs are blinded, meaning they are not listed by their hospital code number. For convenience, we also color the bar representing the specific hospital that pertains to that report.

If the metric has a goal, a horizontal line will be drawn on the graph to indicate where the goal lies.

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## EVAR Imaging Performed (P4P) Goal - $\geq 70\%$

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EVAR Imaging Performed (P4P) - 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  $\geq 70\%$**