



VS and Carotid M&M Report Dictionary

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VS M&M Report

The definitions in this dictionary are for the Daily and Quarterly VS M&M reports. The measures on page 1 are at the discharge level. The measures on subsequent pages are at the procedure level.

Dictionary posted with Q4 2021 report release.

Discharges with Major Outcomes

Discharges

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

Death

Numerator: The number of discharges with a VS procedure where death is the discharge status.

Denominator: The total number of discharges with a VS procedure.

CIN

CIN is defined as ≥ 0.5 mg/dL increase of post procedure creatinine from pre-procedure creatinine.

Numerator: The number of discharges with an EVAR procedure with an increase of post procedure creatinine of ≥ 0.5 mg/dL.

Denominator: The number of discharges with an EVAR procedure.

Exclusions:

- history of renal failure currently requiring dialysis
 - renal transplant
 - death in OR
 - ruptured AAA
 - No value for pre-procedure creatinine
 - No value for peak post procedure creatinine, discharge creatinine, or post-discharge creatinine
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TIA / Stroke

Numerator: The number of discharges with a VS procedure where a patient had a TIA/Stroke post-procedure and before discharge.

Denominator: The number of discharges with a VS procedure.

Note: TIAs/-strokes are only counted once per discharge.

Nephropathy Requiring Dialysis

Numerator: The number of discharges with a VS procedure where patient had acute or worsening renal failure, post procedure, that led to dialysis during the hospitalization.

Denominator: The total number of discharges with a VS or carotid procedure.

Transfusion (PRBC)

Numerator: The number of discharges with an Open AAA, EVAR, or Open Bypass procedure in which a post-procedure transfusion of PRBCs was given.

Denominator: The number of discharges with an Open AAA, EVAR, or Open Bypass procedure.

Note: Multiple transfusions given during a discharge are counted once.

Exclusions:

- Ruptured AAA
- Indication of Trauma

Myocardial Injury

Numerator: The number of discharges with a VS procedure where a Myocardial Injury occurred post-procedure and before discharge.

Denominator: The number of discharges with a VS procedure.

Infection / Sepsis

Numerator: The number of discharges with a VS procedure where an infection/sepsis developed post-procedure and before discharge.

Denominator: The number of discharges with a VS procedure.

Note: Multiple Infection/Sepsis are only counted once per discharge.

No Anti-Platelet at Discharge

Numerator: The number of CEA, CAS, or Open bypass procedures where at least one of the following medications was not prescribed or continued at discharge:

- Aspirin
- Clopidogrel (Plavix)
- Prasugrel (Effient)
- Ticagrelor (Brilinta)
- Cilostazol (Pletal)

Denominator: The total number of CEA, CAS, or Open bypass procedures.

Exclusions:

- Death during the procedure or post procedure
- The patient was discharged to Hospice, An Other Acute Care Hospital, or Left AMA
- A contraindication Aspirin and Plavix and none of the following medications were given:
 - Effient
 - Brilinta
 - Cilostazol
- Indication of Trauma

EVAR Opioid naïve patients prescribed >10 opioid pills at discharge

Numerator: The number of opioid-naïve EVAR discharges prescribed >10 opioid pills at discharge. EVAR discharges where Not Documented is entered for Opioid Quantity Prescribed **are included in** the numerator.

Denominator: The total number of opioid-naïve EVAR discharges.

Exclusion: EVARs that are performed concurrently with another procedure are excluded from the numerator.

Please note: Opioid naïve is defined as No entered for Pre-operative opioid use.

EVAR Opioid naïve patients prescribed >4 pills at discharge

Numerator: The number of opioid-naïve EVAR discharges prescribed >4 opioid pills at discharge. EVAR discharges where Not Documented is entered for Opioid Quantity Prescribed **are included in** the numerator.

Denominator: The total number of opioid-naïve EVAR discharges.

Exclusion: EVAR discharges that are performed concurrently with another procedure.

Please note: Opioid naïve is defined as No entered for Pre-operative opioid use.

No Statin At DC

Numerator: The number of discharges containing an open bypass procedure where a statin is not prescribed or continued at discharge.

Denominator: The total number discharges containing an open bypass procedures.

Exclusions:

- Indication of trauma
- Discharge status of
 - Hospice
 - Death
 - Left Against Medical Advice
 - Other Acute Care

Elective EVAR not discharged by post-op day 2

Numerator: The number of discharges with an elective EVAR procedure that has a post procedure LOS >3.

Denominator: The total number of discharges with an elective EVAR procedure.

Exclusions:

- EVAR procedures that are performed concurrently with another VS or carotid procedure within the same discharge
- EVAR procedures where a complication occurred intra-operatively or post-operatively
- EVAR procedures with a Fenestrated Graft implanted

Readmission at 30 days (all cause)

Numerator: The number of discharges with an Elective Open Bypass, EVAR, or Open AAA procedure that have a readmission to the hospital for lymph leak, wound infection/dehiscence, graft infection, anticoag complication or thrombectomy/lysis within 30 days of the procedure end date.

Denominator: The total number of discharges with an Elective Open Bypass, EVAR, or Open AAA procedure.

Carotid M&M Report

The definitions in this dictionary are for the Daily and Quarterly Carotid M&M reports. The measures on page 1 are at the discharge level. The measures on subsequent pages are at the procedure level.

Dictionary posted with Q4 2021 report release.

Discharges with Major Outcomes

Discharges

The total number of discharges that contain a carotid procedure. The numerator and denominator are the same.

Death

Numerator: The number of discharges with a carotid procedure with Death as Discharge Status.

Denominator: The total number of discharges with a carotid procedure.

Myocardial Injury

Numerator: The number of discharges with a carotid procedure where a STEMI or NSTEMI occurred post procedure and before discharge.

Denominator: The total number of discharges with a carotid procedure.

TIA / Stroke

Numerator: The number of discharges with a carotid procedure where a new stroke or new TIA occurred during the procedure or after the procedure and before discharge.

Denominator: The total number of discharges with a carotid procedure.

Cranial Nerve Injury

Numerator: The number of discharges with a CEA procedure where a Cranial Nerve Injury occurred.

Denominator: The total number of discharges with a CEA procedure.

No Anti-Platelet at Discharge

Numerator: The number of discharges containing a CEA or CAS procedure where at least one of the following medications was not prescribed or continued at discharge:

- Aspirin
- Clopidogrel (Plavix)
- Prasugrel (Effient)
- Ticagrelor (Brilinta)
- Cilostazol (Pletal)

Denominator: The total number of discharges containing a CEA or CAS procedure.

Exclusions:

- Death during the procedure or post procedure
- The patient was discharged to Hospice, An Other Acute Care Hospital, or Left AMA
- A contraindication Aspirin and Plavix and none of the following medications were given:
 - Effient
 - Brilinta
 - Cilostazol

- Indication of Trauma

No Statin at DC

Numerator: The number of discharges containing a CEA or CAS procedure where a statin is not prescribed or continued at discharge.

Denominator: The total number discharges containing a CEA or CAS procedure.

Exclusions:

- Contraindication to a statin if no statin is prescribed
- Discharge status of
 - Hospice
 - Death
 - Left Against Medical Advice

CEA Opioid naïve patients prescribed >10 opioid pills at discharge

Numerator: The number of opioid-naïve CEA discharges prescribed >10 opioid pills at discharge. CEA discharges where Not Documented is entered for Opioid Quantity Prescribed are **included** in the numerator.

Denominator: The total number of opioid-naïve CEA discharges.

Exclusion: CEA discharges that are concurrent with CABG.

Please note: Opioid naïve is defined as No entered for Pre-operative opioid use.

CEA Opioid naïve patients prescribed >4 opioid pills at discharge

Numerator: The number of opioid naïve CEA discharges prescribed >4 opioid pills at discharge. CEA discharges where Not Documented is entered for Opioid Quantity Prescribed are **included** in the numerator.

Denominator: The total number of opioid naïve CEA discharges.

Exclusion: CEA discharges concurrent with CABG.

Please note: Opioid naïve is defined as No entered for Pre-operative opioid use.

Elective Asymptomatic CEA not discharged home by post-op day 2

Numerator: The number of discharges with an elective CEA procedure that are asymptomatic and have a post procedure LOS >3.

Denominator: The number of discharges with an elective CEA procedure that are asymptomatic.

Exclusions:

- CEAs performed concurrently with CABG Indication of Urgent Cardiac Surgery within 30 days An intra-operative or post-operative complication
- CEAs performed with any other VS or carotid procedure within the same discharge

CAS at 30 Days

Death at 30 Days (CAS)

Numerator: The number of discharges with a CAS procedure where a death occurred within 30 days of the procedure end date.

Denominator: The total number of discharges with a CAS procedure.

Stroke at 30 Days (CAS)

Numerator: The number of discharges with a CAS procedure where a new stroke occurred within 30 days of the procedure end date.

Denominator: The total number of discharges with a CAS procedure.

Myocardial Injury at 30 days (CAS)

Numerator: The number of discharges with a CAS procedure where a MI occurred within 30 days of the procedure end date.

Denominator: The number of CAS procedures with a completed 30-day follow-up form.

CEA at 30 Days

Death at 30 Days (CEA)

Numerator: The number of discharges with a CEA procedure where a death occurred within 30 days of the procedure end date.

Denominator: The total number of discharges with a CEA procedure.

Myocardial Injury at 30 Days (CEA)

Numerator: The number of discharges with a CEA procedure where a MI occurred within 30 days of the procedure end date.

Denominator: The number of CEA procedures with a completed 30-day follow-up form.

Stroke at 30 Days (CEA)

Numerator: The number of discharges with a CEA procedure where a new stroke occurred within 30 days of the procedure end date.

Denominator: The total number of discharges with a CEA procedure.
