



VS and Carotid M&M Report Dictionary

Table of Contents

VS M&M Report	3
Discharges with Major Outcomes	3
Discharges	3
Death	3
CIN	3
TIA / Stroke	3
Nephropathy Requiring Dialysis	3
Transfusion (PRBC)	3
Myocardial Injury	4
Infection / Sepsis	4
No Anti-Platelet at Discharge	4
EVAR Opioid naïve patients prescribed >4 pills at discharge	4
No Statin At DC	4
Elective EVAR not discharged by post-op day 2	5
Readmission at 30 days (all cause)	5
Carotid M&M Report	6
Discharges with Major Outcomes	6
Discharges	6
Death	6
Myocardial Injury	6
TIA / Stroke	6
Cranial Nerve Injury	6
No Anti-Platelet at Discharge	6
No Statin at DC	7
CEA Opioid naïve patients prescribed >4 opioid pills at discharge	7
Elective Asymptomatic CEA not discharged home by post-op day 2	7
CAS at 30 Days	7
Death at 30 Days (CAS)	7
Stroke at 30 Days (CAS)	7
Myocardial Injury at 30 days (CAS)	7
CEA at 30 Days	8
Death at 30 Days (CEA)	8
Myocardial Injury at 30 Days (CEA)	8
Stroke at 30 Days (CEA)	8

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.

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
-

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, which 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 >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.

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 >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 number of 30-Day CAS follow-up forms.

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 number of 30-Day CAS follow-up forms.

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 30-Day CAS follow-up forms.

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 number of 30-Day CEA follow-up forms.

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 30-Day CEA follow-up forms.

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 number of 30-Day CEA follow-up forms.