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| **Mnemonic** | **Description** | **Catnum(s)** | Denominator | **Numerator** |
| **CANCER SCREENING** |  |  |
| **P31h** | **Breast Screen– Age 50-74** |  **50, ( 16, 48, 51, 60 and****othrcare not =1), catnum 54 with FE flag and othrcare not=1** | **Includes all cases except:*** **Terminally ill patients**
* **Males or gender unknown**
* **Age<52 and >74**
* **bilateral mastectomy or gender alteration**
* **Those with documentation by the patient’s PCP that he/she does not believe the patient will experience a net benefit from cancer screening because of one or both of the specified reasons (life expectancy < 5 yrs or patient couldn’t tolerate further workup or treatment)**
 | **Cases included in the denominator will pass if:** * **there is documentation of a mammogram performed at this or another VAMC, or by a private sector provider within the past 27 months**

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| P41h | **Cervical Screen Age 21-64** | **50, ( 16, 48, 51, 60 and****othrcare not =1)** ), catnum 54 with FE flagand othrcare not=1 | **Includes all cases except:*** **Terminally ill patients**
* **Males or gender unknown**
* **Age<21 and >65**
* **The patient had a hysterectomy or congenital absence of the cervix**
* **All Pap test reports within the past five years note sample was inadequate or that "no cervical cells were present"**
* **Those who did not have cervical screening but there is documentation by the patient’s PCP that he/she does not believe the patient will experience a net benefit from cancer screening because of one or both of the specified reasons (life expectancy < 5 yrs or patient couldn’t tolerate further workup or treatment)**
 | **Cases included in the denominator will pass if:** * **The collection date of the most recent Pap test performed at this or another VAMC or by a private sector provider is within the past 36 months**

**OR*** **The collection date of the most recent Pap test is > 36 months and <=60 months and**
	+ **The patient is age >=30 and**
	+ **An HPV test was done at a VAMC or by a private sector provider within 4 days prior to or within 4 days after the date of the Pap test**
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| Mnemonic | **Description** | **Catnum(s)** | **Denominator** | **Numerator** |
| P42 | **Cervical Screen Age 21-29** | **50, ( 16, 48, 51, 60 and****othrcare not =1)** ), catnum 54 with FE flagand othrcare not=1 | **Includes all cases except:*** **Terminally ill patients**
* **Males or gender unknown**
* **Age<21 and >29**
* **The patient had a hysterectomy or congenital absence of the cervix**
* **All Pap test reports within the past five years note sample was inadequate or that "no cervical cells were present"**
* **Those who did not have cervical screening but there is documentation by the patient’s PCP that he/she does not believe the patient will experience a net benefit from cancer screening because of one or both of the specified reasons (life expectancy < 5 yrs or patient couldn’t tolerate further workup or treatment)**
 | **Cases included in the denominator will pass if:** * **The collection date of the most recent Pap test performed at this or another VAMC or by a private sector provider is within the past 36 months**
 |
| P43h | **Cervical Screen Age 30-64** | **50, ( 16, 48, 51, 60 and****othrcare not =1)** ), catnum 54 with FE flagand othrcare not=1 | **Includes all cases except:*** **Terminally ill patients**
* **Males or gender unknown**
* **Age<30 and >65**
* **The patient had a hysterectomy or congenital absence of the cervix**
* **All Pap test reports within the past five years note sample was inadequate or that "no cervical cells were present"**
* **Those who did not have cervical screening and there is documentation by the patient’s PCP that he/she does not believe the patient will experience a net benefit from cancer screening because of one or both of the specified reasons (life expectancy < 5 yrs or patient couldn’t tolerate further workup or treatment)**
 | **Cases included in the denominator will pass if:** * **The collection date of the most recent Pap test performed at this or another VAMC or by a private sector provider is within the past 36 months**

**OR*** **The collection date of the most recent Pap test is > 36 months and <=60 months and**
	+ **An HPV test was done at a VAMC or by a private sector provider within 4 days prior to or within 4 days after the date of the Pap test**
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| **Mnemonic** | **Description** | **Catnum(s)** | Denominator | **Numerator** |
| P61h | **Colorectal Screen age 51-75** | **50, (16, 48, 51, 60 and****othrcare not =1)** **, catnum 54 with FE flag and othrcare not=1** | **Includes all cases except:*** **Terminally ill patients**
* **Age<=50 and >=76**
* **those who have a diagnosis of cancer of the colon or have had a total colectomy**
* **those who did not have or refused sigmoidoscopy or colonoscopy or did not have FOBT in the required timeframe but did have a colon CT or stool based DNA test**
* **Those who did not have colorectal screening and there is documentation by the patient’s PCP that he/she does not believe the patient will experience a net benefit from cancer screening because of one or both of the specified reasons (life expectancy < 5 yrs or patient couldn’t tolerate further workup or treatment)**
 | **Cases included in the denominator will pass if:** * **there is documentation of one of the following at this or another VAMC or by a private sector provider:**
	+ **a colonoscopy within the past 10 years**
	+ **guaiac fecal occult blood test x 3 within the past year**
	+ **iFOBT/FIT testing within the past year**
	+ **a sigmoidoscopy within the past 5 years;**
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| **Mnemonic** | **Description** | **Catnum(s)** | **Denominator** | **Numerator** |
| **CARDIOVASCULAR** |  |  |
| **HEART FAILURE DIAGNOSIS** |  |  |
|  | Heart Failure DiagnosisNumber of cases reviewed | 50, (16, 48, 51, 60 andothrcare not =1), catnum 54 with FE flagand othrcare not=1 | Number of cases with an active outpatient diagnosis of CHF (selchf = -1) and patient is not terminally ill (dochospce=2) |  |
| chf 7 | LVSF documented | 50, (16, 48, 51, 60 andothrcare not =1) , catnum 54 with FE flagand othrcare not=1 | Includes all cases except:* Terminally ill patients
* Selchf is not selected
 | Cases included in the denominator will pass if: * there isdocumentation in the medical record of left ventricular systolic function/ejection fraction
 |
| chf14 | LVSF <40 on ACEI or ARB | 50, (16, 48, 51, 60 andothrcare not =1) , catnum 54 with FE flagand othrcare not=1 | Includes all cases except:* Terminally ill patients
* Selchf is not selected
* Those with LVSF documented as 40% or greater or “other” narrative description (not moderately or severely impaired)
* Those with a reason for not prescribing both ACEI and ARBs
 | Cases included in the denominator will pass if::* there isdocumentation of one of the following:
	+ Patient is on an ACEI at the most recent OP visit or
	+ Patient is on an ARB at the most recent OP visit
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| **Mnemonic** | **Description** | **Catnum(s)** | **Denominator** | **Numerator** |
| **HYPERTENSION DIAGNOSIS** |  |  |
|  | Hypertension Diagnosis- Number of cases reviewed  | 50, (16, 48, 51, 60 andothrcare not =1), catnum 54 with FE flagand othrcare not=1 | # of cases with an active outpatient diagnosis of hypertension and patient is not terminally ill (dochospce=2) |  |
| **Ihd5h** | **HTN: BP <140/90** **Age 18-59** | **50, (16, 48, 51, 60 and****othrcare not =1) , catnum 54 with FE flag** **and othrcare not=1** | **Includes all cases except:*** **Terminally ill patients**
* **Those with no diagnosis of HTN**
* **Age<18 and >59**
 | Cases included in the denominator will pass if:* **the most recent blood pressure is recorded as <140 systolic and < 90 diastolic**
 |
| **Ihd52h** | **HTN: BP <150/90****Age 60-85** | **50, (16, 48, 51, 60 and****othrcare not =1) , catnum 54 with FE flag** **and othrcare not=1** | **Includes all cases except:*** **Terminally ill patients**
* **Those with no diagnosis of HTN**
* **Age<60 and >85**
* **Cases flagged with a diagnosis of DM**
 | Cases included in the denominator will pass if:* **the most recent blood pressure is recorded as <150 systolic and < 90 diastolic**
 |
| **Ihd51h** | **HTN and DM: BP <140/90 Age 60-85** | **50, (16, 48, 51, 60 and****othrcare not =1) , catnum 54 with FE flag** **and othrcare not=1** | **Includes all cases except:*** **Terminally ill patients**
* **Those with no diagnosis of HTN**
* **Age<60 and >85**
* **Cases not flagged with a diagnosis of DM**
 | Cases included in the denominator will pass if:* **the most recent blood pressure is recorded as <140 systolic and < 90 diastolic**
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| **Mnemonic** | **Description** | **Catnum(s)** | **Denominator** | **Numerator** |
| Htn10 | HTN BP >=160/100 or not done(low score is better) | 50, (16, 48, 51, 60 andothrcare not =1) , 54 with FE flag and othrcare not=1 | Includes all cases except:* Terminally ill patients
* Those with no diagnosis of HTN
* Age <18 and >75
 | Cases included in the denominator will pass if:* the most recent blood pressure is recorded as >= 160 systolic or >=100 diastolic or
* a blood pressure was not recorded during the past year
 |
| Htn11 | No Dx HTN BP <= 140/90 | 50, (16, 48, 51, 60 andothrcare not =1) , 54 with FE flag and othrcare not=1 | Includes all cases except:* Terminally ill patients
* Those with a diagnosis of HTN
* Age <18 and >75
 | Cases included in the denominator will pass if:* the most recent blood pressure is recorded as <=140 systolic and <= 90 diastolic
 |
| Htn12 | No Dx HTN BP >=160/100 or not done(low score is better) | 50, (16, 48, 51, 60 andothrcare not =1) , 54 with FE flag and othrcare not=1 | Includes all cases except:* Terminally ill patients
* Those with a diagnosis of HTN
* Age <18 and >75
 | Cases included in the denominator will pass if:* the most recent blood pressure isrecorded as >= 160 systolic or >=100 diastolic or
* a blood pressure was not recorded during the past year
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| **Mnemonic** | **Description** | **Catnum(s)** | **Denominator** | **Numerator** |
| **HYPERLIPIDEMIA** |  |  |
| P10 | Hyperlipidemia Screening-Overall | 50, (16, 48, 51, 60 andothrcare not =1) , 54 with FE flag and othrcare not=1 | Includes all cases except:* Terminally ill patients
* Males age < 35 and females age < 45 with no ischemic vascular disease, no PCI or CABG in the past 2 years , no past AMI, or no family history of coronary events occurring prior to age 45
* cases with documentation in the record that the patient was enrolled in a clinical trial or research protocol that precludes access to the lipid profile
 | Cases included in the denominator will pass if:* There is a diagnosis of PCI or CABG in the past 2 years, DM or past AMI and a complete lipid profile was performed in the past 2 years (730 days)
* The patient had an active diagnosis of ischemic vascular disease (vascdis 1-8) and a total cholesterol and either an HDL or LDL was done within the past 2 years (730 days)
* The patient is male age < 35 or female age < 45 with no ischemic vascular disease, no PCI or CABG in the past 2 years, no DM or past AMI, but with family history of coronary events occurring prior to age 45 and a total cholesterol and either an LDL or HDL was done within the past 5 years (1825 days)
* The patient is male age >=35 OR is female age >= 45, with no ischemic vascular disease, no PCI or CABG in the past 2 years, no DM or past AMI and there is no family history of coronary events or sudden death as specified (famhx = 99) and is a lifetime non-tobacco user or was screened for tobacco use and has not used in the past year, and does not have a diagnosis of HTN or does have a diagnosis of HTN but is not on antihypertensive meds and a total cholesterol and either an LDL or HDL was done in the past 5 years (1825 days)
* The patient is male age >=35 OR female age >= 45 with no ischemic vascular disease, no PCI or CABG in the past 2 years, no DM or past AMI and any of the following
	+ patient has a family history of coronary events or sudden death as specified in famhx = 1,2,or 3 OR
	+ is a tobacco user or was not screened for tobacco use in the past year OR
	+ has a diagnosis of HTN and is on antihypertensive medication or refused antihypertensive medications

ANDhad a total cholesterol either and LDL or HDL in the past 2 years (730 days) |

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| **Mnemonic** | **Description** | **Catnum(s)** | **Denominator** | **Numerator** |
| **CHRONIC VASCULAR DISEASE** |  |  |
| ihd40 | BP <140/90 or <150/65 or 3 moderate dose anti-hypertensives | 50, (16, 48, 51, 60 andothrcare not =1) , catnum 54 with FE flag and othrcare not=1 | Includes all cases except:* Terminally ill patients
* Age < 18 and >75
* Cases without one of the following:
	+ past AMI selected as a diagnosis and the date of discharge for AMI is <=730 days OR
	+ A PCI was done in the last 2 years OR
	+ A CABG was done in the last 2 years OR
	+ documentation within the past two years the pt is being treated for or had a new diagnosis of one of the following:
		- CAD
		- Stable angina
		- Lower extremity arterial disease/peripheral artery disease
		- Stroke
		- Atheroembolism
		- Renal artery atherosclerosis
* The most recent NEXUS clinic visit when the patient was seen by a physician, APN, PA,or psychologist was NOT one of the following stop codes: 303, 305, 306, 309, 312, 322, 323, 348 or 350
* Cases with no BP reading documented in the past year
 | Cases included in the denominator will pass if:* The patient’s most recent blood pressure is <140 systolic and <90 diastolic OR
* The patient’s most recent blood pressure is <150 systolic and < 65 diastolic OR
* the patient was prescribed 3 moderate dose anti-hypertensives during the timeframe from the date of the most recent blood pressure and100 days prior to to that date OR
* A change was made to the daily dose of an anti-hypertensive medication from 90 days after the date of the most recent blood pressure up to the date of review OR
* A new anti-hypertensive medication was added from 90 days after the date of the most recent blood pressure up to the date of review
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| **Mnemonic** | **Description** | **Catnum(s)** | **Denominator** | **Numerator** |
| **cvrm2** | **Statin therapy for patients with cardiovascular disease** | **50, (16, 48, 51, 60 and****othrcare not =1), catnum 54 with FE flag and othrcare not=1** | **Includes all cases except:*** **Age >75**
* **Females age < 40**
* **Patient’s without at least one of the following:**
	+ **an AMI, CABG, or PCI in the past two years**
	+ **an active diagnosis of CAD, angina, lower extremity arterial disease/PAD, stroke, atheroembolism, renal artery atherosclerosis**
* **Patients with a diagnosis of CKD or ESRD in the past two years**
* **patient is terminally ill per dochospce**
* **patients with a diagnosis of cirrhosis in the past 2 years**
* **patients with a diagnosis of myalgia, myosititis, myopathy, or rhabdomyolysis during the past year**
* **females age <51 with pregnancy, in vitro fertilization or both during the past 2 years**
* **females age <51who were prescribed clomiphene in the past 2 years**
 | **Cases included in the denominator will pass if:*** + - **The patient was prescribed a statin medication in the past year and the statin was**
			* **atorvastatin and the daily dose was >=10 mgs or**
			* **fluvastatin or lovastatin or pravastatin and the daily dose was >= 40 mgs or**
			* **rosuvastatin and the daily dose was >= 5 mgs or**
			* **simvastatin and the daily dose was >= 20 mgs or**
			* **pitavastatin and the dose was >=2 mgs**
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| **Mnemonic** | **Description** | **Catnum(s)** | **Denominator** | **Numerator** |
| **DIAGNOSIS OF OLD MI (AMI > 8 weeks)** |  |  |
|  | Diagnosis of Past AMI (AMI > 8 weeks) | 50, (16, 48, 51, 60 andothrcare not =1) , 54 with FE flag and othrcare not=1 | Number of cases with a diagnosis of past AMI and the AMI occurred more than eight weeks prior to the date of the qualifying visit (selmi = true) and the patient is not terminally ill (dochospce=2) |  |
| c12 | AMI-Outpt ASA at most recent visit | 50, (16, 48, 51, 60 andothrcare not =1) , 54 with FE flag and othrcare not=1 | Includes all cases except:* Terminally ill patients
* Cases with no diagnosis of past AMI
* cases with a documented reason for not prescribing ASA or patient refusal
 | Cases included in the denominator will pass if:* ASA was included in the patient’s medication at the most recent OP visit.
 |
| ihd6 | AMI-Outpt LVEF <40 on ACEI or ARB at most recent visit | 50, (16, 48, 51, 60 andothrcare not =1) , 54 with FE flag and othrcare not=1 | Includes all cases except:* Terminally ill patients
* Cases with no diagnosis of past AMI
* there is no documentation of left ventricular function
* LVSF was not documented as <40% or moderate to severe systolic dysfunction
* with documented reasons for not prescribing both ACEIs and ARBs or patient refusal
 | Cases included in the denominator will pass if:* the patient was taking an ACEI at the most recent outpatient visit OR
* the patient was taking an ARB at the most recent outpatient visit
 |
| ihd20h | AMI-Received persistent beta blocker treatment for 6 months post AMI discharge | 50, (16, 48, 51, 60 andothrcare not =1) , 54 with FE flag and othrcare not=1 | Includes all cases except:* Terminally ill patients
* Age <18
* Cases with no diagnosis of past AMI
* date of discharge for most recent AMI in the past 2 years or first AMI within the past 18 months (if more than one) is <180 or > 730 days from study end date
* there was a documented reason for not prescribing a beta blocker or patient refusal
 | Cases included in the denominator will pass if:* the patient were on a beta blocker continuously during the 6 month period immediately following the AMI discharge
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| **Mnemonic** | **Description** | **Catnum(s)** | **Denominator** | **Numerator** |
| **ENDOCRINE** |  |  |
| **DIAGNOSIS OF DIABETES** |  |  |
|  | Diabetes Mellitus Diagnosis –Number of cases reviewed | 50, (16, 48, 51, 60 andothrcare not =1) , 54 with FE flag and othrcare not=1 | Number of cases with active diagnosis of diabetes mellitus (seldm =-1) and the patient is not terminally ill (dochospce=2) |  |
| **c9h** | **HbgA1c annual** | **50, (16, 48, 51, 60 and****othrcare not =1) , catnum 54 with FE flag and othrcare not=1** | **Includes all cases except:*** **Terminally ill patients**
* **The case is not flagged for DM**
* **Age <18 and >75**
 | **Cases included in the denominator will pass if:*** **a HbA1c was done in the past year and the value is a valid value**
 |
| **dmg23h** | **HbgA1c > 9 or not done in the past year****(low score is better)** | **50, (16, 48, 51, 60 and****othrcare not =1) , catnum 54 with FE flag and othrcare not=1** | **Includes all cases except:*** **Terminally ill patients**
* **The case is not flagged for DM**
* **Age <18 and >75**
 | **Cases included in the denominator will pass if:*** **a HbA1c was done in the past year and**
* **the value of the HbA1c was >9**

 **OR*** **an HbA1c was not done in the past year or the patient refused a HbA1c**
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| **mnemonic** | **Description** | **Catnum(s)** | **Denominator** | **Numerator** |
| **dmg31h** | **Retinal exam, timely by disease** | **50, (16, 48, 51, 60 and****othrcare not =1) , catnum 54 with FE flag and othrcare not=1** | **Includes all cases except:*** **Terminally ill patients**
* **The case is not flagged for DM**
* **Age <18 and >75**
* **There is explicit documentation by an ophthalmologist or optometrist that the patient is blind and no longer needs a retinal exam.**
 | **Cases included in the denominator will pass if:*** **a retinal exam was done within the past year at this or another VAMC or by a private sector provider and**
* **the exam was performed by an ophthalmologist, an optometrist, retinal photo sent to eye care specialist or digital imaging sent to be read by an ophthalmologist or optometrist**

**OR*** **if a retinal exam as described above was not performed in the past year, then**
* **in the year previous to the past year, a retinal exam was performed by an ophthalmologist, an optometrist, retinal photo sent to eye care specialist or digital imaging sent to be read by an ophthalmologist or optometrist and**
	+ **the report of the eye exam showed no retinopathy**
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| **Mnemonic** | **Description** | **Catnum(s)** | **Denominator** | **Numerator** |
| **dmg27h** | **BP <140/90** | **50, (16, 48, 51, 60 and****othrcare not =1) , catnum 54 with FE flag and othrcare not=1** | **Includes all cases except:*** **Terminally ill patients**
* **The case is not flagged for DM**
* **Age <18 and >75**
 | Cases included in the denominator will pass if:* **the most recent blood pressure recorded was <140 systolic and < 90 diastolic**
 |
| dmg40 | BP <140/90 or <150/65 or 3 moderate dose anti-hypertensives | 50, (16, 48, 51, 60 andothrcare not =1) , 54 with FE flag and othrcare not=1 | Includes all cases except:* Terminally ill patients
* Cases not flagged for DM
* Age < 50 and >75
* The most recent NEXUS clinic visit when the patient was seen by a physician, APN, PA,or psychologist was NOT one of the following stop codes: 303, 305, 306, 309, 312, 322, 323, 348 or 350
* Cases with no BP reading documented in the past year
 | Cases included in the denominator will pass if:* The patient’s most recent blood pressure is <140 systolic and <90 diastolic OR
* The patient’s most recent blood pressure is <150 systolic and < 65 diastolic OR
* the patient was prescribed 3 moderate dose anti-hypertensives during the timeframe from the date of the most recent blood pressure and100 days prior to to that date OR
* A change was made to the daily dose of an anti-hypertensive medication from 90 days after the date of the most recent blood pressure up to the date of review OR
* A new anti-hypertensive medication was added from 90 days after the date of the most recent blood pressure up to the date of review
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| **Mnemonic** | **Description** | **Catnum(s)** | **Denominator** | **Numerator** |
| **dmg34h** | **Renal testing** | **50, (16, 48, 51, 60 and****othrcare not =1) , catnum 54 with FE flag and othrcare** **not=1** | **Includes all cases except:*** **Terminally ill patients**
* **The case is not flagged for DM**
* **Age <18 and >75**
 | **Cases included in the denominator will pass if:****One of the following:**Within the past 2 years the patient has an active diagnosis of diabetic nephropathy or ESRD, or* **pt was seen by a nephrologist within the past year or**
* **a urine protein was done**
* **the patient had renal transplantation or**
* **a microalbumin was performed within the past year or**
* **the patient was on an ACEI at the most recent OP visit or**
* **the patient was on an ARB at the most recent OP visit**
 |
| **cvrm1** | **Statin therapy for patients with diabetes** | **50, (16, 48, 51, 60 and****othrcare not =1) , catnum 54 with FE flag and othrcare not=1** | **Includes all cases except:*** **Cases not flagged for diabetes**
* **Age is <40 or >75**
* **Patient is terminally ill per dochospce**
* **Patient’s with any of the following:**
	+ **an AMI, CABG, or PCI in the past two years**
	+ **an active diagnosis of CAD, angina, lower extremity arterial disease/PAD, stroke, atheroembolism, renal artery atherosclerosis**
	+ **CKD or ESRD in the past 2 years**
	+ **a diagnosis of cirrhosis in the past 2 years**
	+ **a diagnosis of myalgia, myosititis, myopathy, or rhabdomyolysis during the past year**
	+ **females age <51 with pregnancy, in vitro fertilization or both during the past 2 years**
	+ **females age <51who were prescribed clomiphene in the past 2 years**
 | **Cased included in the denominator will pass if:*** **The patient was prescribed a statin medication in the past year and the statin was**
	+ - * **atorvastatin or**
			* **fluvastatin or**
			* **lovastatin or**
			* **pravastatin or**
			* **rosuvastatin or**
			* **simvastatin or**
			* **pitavastatin and**
			* **the dose was >=1 mg**
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| **Mnemonic** | **Description** | **Catnum(s)** | **Denominator** | **Numerator** |
| dmg51 | ASA included in current meds, Age 50-59 | 50, (16, 48, 51, 60 andothrcare not =1) , 54 with FE flag and othrcare not=1 | Includes all cases except:* Terminally ill patients
* Patients <age 50 or >age 59
* The case is not flagged for DM

There is a documented reason for not prescribing ASA or patient refusal | Cases included in the denominator will pass if:* ASA was included in the patient’s medication at the most recent OP visit.
 |
| dmg52 | ASA included in current meds, Age 60-69 | 50, (16, 48, 51, 60 andothrcare not =1) , 54 with FE flag and othrcare not=1 | Includes all cases except:* Terminally ill patients
* Patients <age 60 or >age 69
* The case is not flagged for DM

There is a documented reason for not prescribing ASA or patient refusal | Cases included in the denominator will pass if:* ASA was included in the patient’s medication at the most recent OP visit.
 |
| c7n | Foot Sensory exam using monofilament | 50, (16, 48, 51, 60 andothrcare not =1) , 54 with FE flag and othrcare not=1 | Includes all cases except:* Terminally ill patients
* The case is not flagged for DM
* patients that are quadriplegic or paraplegic
* patients that have had a past stroke resulting in bilateral sensory loss in the feet
* patients who are a bilateral amputee
 | Cases included in the denominator will pass if:* a foot sensory exam using monofilament was performed in the past year
 |
| c5 | Foot Inspection | 50, (16, 48, 51, 60 andothrcare not =1) , 54 with FE flag and othrcare not=1 | Includes all cases except:* Terminally ill patients
* The case is not flagged for DM
* patients who are a bilateral amputee
 | Cases included in the denominator will pass if:* a visual foot inspection was performed in the past year
 |
| c6 | Pedal pulses checked | 50, (16, 48, 51, 60 andothrcare not =1) , 54 with FE flag and othrcare not=1 | Includes all cases except:* Terminally ill patients
* The case is not flagged for DM
* patients who are a bilateral amputee
 | Cases included in the denominator will pass if:* a check for pulses in the feet was performed in the past year
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| **Mnemonic** | **Description** | **Catnum(s)** | **Denominator** | **Numerator** |
| **MENTAL HEALTH** |  |  |
| **sa7** | **Screened for alcohol use with AUDIT-C** | **50, 16, 48, 51, 60, 54 with FE flag** | **Includes all cases except:*** **Terminally ill patients**
* **Those with documentation of a diagnosis of dementia/neurocognitive disorder as evidenced by one of the applicable codes AND**
	+ **The severity of dementia was assessed during the past year by one of the specified tools AND**
	+ **The score of the assessment indicated moderate to severe dementia**

There is clinician documentation in the past year that the patient is moderately or severely cognitively impaired | **Cases included in the denominator will pass if**:* **The score of question 1 is 0 or all three questions have a valid score documented in the past year and**
* **The total score of screening within the past year is documented**
* **The outcome of screening in the past year is documented as positive or negative**
 |
| **sa17** | **AUDIT-C score 5 or greater and brief alcohol counseling documented** | **50, 16, 48, 51, 60, 54 with FE flag** | **Includes all cases except:*** **Terminally ill patients**
* **Those with documentation of a diagnosis of dementia/neurocognitive disorder as evidenced by one of the applicable codes AND**
	+ **The severity of dementia was assessed during the past year by one of the specified tools AND**
	+ **The score of the assessment indicated moderate to severe dementia**

 There is clinician documentation in the past year that the patient is moderately or severely cognitively impaired* + **The patient was seen in a VHA SUD clinic within 90 days of the most recent alcohol screening**
	+ **patient was not screened by AUDIT-C in the past year**
* **The score of the AUDIT-C is <5 or**
* **If the total score is not documented, the total**

**of the scores for questions 1, 2, and 3 is calculated by the computer and is <5*** **The date of the most recent alcohol screening is <14 days prior to the study end date**
 | **Cases included in the denominator will pass if**:* **One of the following:**
* **The patient was advised to abstain and the advice was given within 14 days of the positive screen OR**
* **The patient was advised to drink within recommended limits and the advice was given within 14 days of the positive screen**

**AND*** **One of the following**
	+ **Personalized counseling regarding relationship of alcohol to the pt’s specific health issues was given within 14 days of the positive screen OR**
	+ **General alcohol related counseling was given within 14 days of the positive screen**
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| **Mnemonic** | **Description** | **Catnum(s)** | **Denominator** | **Numerator** |
| **ptsd51** | **Screened for PTSD at required intervals with PC-PTSD** | **50, 16, 48, 51, 60, 54 with FE flag** | **Includes all cases except:*** **Terminally ill patients**
* **Those with documentation of a diagnosis of dementia/neurocognitive disorder as evidenced by one of the applicable codes AND**
	+ **The severity of dementia was assessed during the past year by one of the specified tools AND**
	+ **The score of the assessment indicated moderate to severe dementia**

there is clinician documentation in the past year that the patient is moderately or severely cognitively impairedthe patient had a clinical encounter within the past year with PTSD identified as a reason for the visit | **Cases included in the denominator will pass if:*** **Screening was done using the PC-PTSD screen**
* **One of the following:**
	+ **screening was done within the past 365 days OR**
	+ **If the date of separation is more than 1825 days (5 years) ago, screening was done in the past 1825 days ( 5 years)**
* **The answer to each question is documented**
* **The total score is documented**
* **The outcome is documented**
 |
| ptsd52 | Positive PC-PTSD screen with timely suicide ideation/behavior evaluation | 50, 16, 48, 51, 60, 54 with FE flag | Includes all cases except:* Terminally ill patients
* Those with documentation of a diagnosis of dementia/neurocognitive disorder as evidenced by one of the applicable codes AND
	+ The severity of dementia was assessed during the past year by one of the specified tools AND
	+ The score of the assessment indicated moderate to severe dementia

there is clinician documentation in the past year that the patient is moderately or severely cognitively impairedthe patient had a clinical encounter within the past year with PTSD identified as a reason for the visit* the patient was not screened using the PC-PTSD screen within the past 5 years

Screening using the PC-PTSD was done >365 days prior to the study begin date* One of the following:
	+ The total score documented in the record is <3 or
	+ the computer has calculated the total of the answers to the questions as <3 or
	+ The interpretation is documented as negative or is not documented
 | Cases included in the denominator will pass if:* A suicide ideation/behavior evaluation by a provider was documented and
* the date of the evaluation is valid
* the evaluation was completed within one day of the positive PTSD screen
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| **Mnemonic** | **Description** | **Catnum(s)** | **Denominator** | **Numerator** |
| **mdd40** | **Screened for depression with PHQ-2 or PHQ-9** | **50, 16, 48, 51, 60, 54 with FE flag** | **Includes all cases except:*** **Terminally ill patients**
* **Those with documentation of a diagnosis of dementia/neurocognitive disorder as evidenced by one of the applicable codes AND**
	+ **The severity of dementia was assessed during the past year by one of the specified tools AND**
	+ **The score of the assessment indicated moderate to severe dementia**

there is clinician documentation in the past year that the patient is moderately or severely cognitively impaired* **the patient had a clinical encounter within the past year with depression or bipolar disorder identified as a reason for the visit as evidenced by an applicable ICD-10 CM code**
 | **Cases included in the denominator will pass if:*** **The patient was screened using the PHQ-2 >=10/1/2016 and <=study end date and**
	+ **the score of question 1 and question 2 was documented, the total score was documented and the outcome was documented as positive or negative**

**OR*** **There is a valid date of screening using the PHQ-2 or PHQ-9 <10/01/2016 and within 1 year of the study begin date and**
* **One of the following:**
	+ **the PHQ-2 was done or the PHQ-2 and the PHQ-9 were done on the same day, the score of question 1 and question 2 was documented, the total score was documented and the outcome was documented as positive or negative**

 **OR*** + **the PHQ-9 was done or the PHQ-2 and the PHQ-9 were done on the same day and all responses to the PHQ-9 were documented, the total score was documented and the interpretation of the score was documented**
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| mdd41 | Positive depression screen with timely suicide ideation/behavior evaluation | 50, 16, 48, 51, 60, 54 with FE flag | Includes all cases except:* Terminally ill patients
* Those with documentation of a diagnosis of dementia/neurocognitive disorder as evidenced by one of the applicable codes AND
	+ The severity of dementia was assessed during the past year by one of the specified tools AND
	+ The score of the assessment indicated moderate to severe dementia

there is clinician documentation in the past year that the patient is moderately or severely cognitively impaired* the patient had a clinical encounter within the past year with depression or bipolar disorder identified as a reason for the visit as evidenced by an applicable ICD-10 CM code
* The total score or calculated score of the PHQ-2 is < 3 and the outcome is negative
* The patient was screened <10/1/2016 using the PHQ-9 and
	+ The numeric score of the PHQ-9 is <10
	+ The response to question 9 of the PHQ-9 was 0 or not documented
	+ The outcome of the PHQ-9 was documented no depression or mild depression or not documented
 | Cases included in the denominator will pass if:* The provider documented a suicide ideation/behavior evaluation and the evaluation was done within one day of the positive depression screen
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| **Mnemonic** | **Description** | **Catnum(s)** | Denominator | **Numerator** |
| **sre1** | **Positive depression or PTSD screen with timely suicide evaluation** | **50, 51 16, 48, 60, 54 with FE flag** | Includes:**Sum of ptsd52 denominator and mdd41 denominator****\* Individual records may appear more than once in the denominator** | **Includes:****Sum of ptsd52 numerator and mdd41 numerator****\* Individual records may appear more than once in the numerator** |
| **p1** | **Pneumococcal Vaccination age 65 or greater** | **50, (16, 48, 51, 60 and****othrcare not =1) 54 with FE flag and othrcare not=1** | **Includes all cases except:*** **The patient is terminally ill**
* **the patient’s age as of 1/1/16 is <=64**
* **the patient refused the pneumococcal vaccination or there was no documentation the patient received the vaccination AND there is documentation that the patient had a severe reaction to a pneumococcal vaccine component**
 | **Cases included in the denominator will pass if:*** **pneumococcal immunization was given at this VAMC, another VAMC, or in the private sector**
 |
| **IMMUNIZATIONS** |  |  |
| **p26h** | **Influenza Vaccination age 18 to 64**\*\***This indicator will be scored beginning with April visits; does not appear on exit reports in q1 and 2** | **50, (16, 48, 51, 60 and****othrcare not =1) 54 with FE flag and othrcare not=1** | **Includes all cases except:*** **The patient is terminally ill**
* **The study begin date is <4/1/2017**
* **The patient’s age as of 7/1/16 is <18 and >64**
* **those whose only visit during immunization period preceded availability of the vaccine are excluded**
 | **Cases included in the denominator will pass if:*** **influenza immunization was given at this VAMC, another VAMC, or in the private sector during the current influenza immunization season**
* **If there is documentation of allergy to eggs or other flu vaccine components, a history of Guillain-Barre Syndrome, or a bone marrow transplant within the past 12 months the case will be excluded if the patient refused or did not receive the influenza immunization during the current immunization season**
 |
| **p25h** | **Influenza Vaccination age 65 or greater****\*\*\*\*This indicator will be scored beginning with April visits; does not appear on exit reports in q1 and 2** | **50, (16, 48, 51, 60 and****othrcare not =1) 54 with FE flag and othrcare not=1** | **Includes all cases except:*** **The patient is terminally ill**
* **The study begin date is <4/1/2017**
* **The patient’s age as of 7/1/16 is <65**
* **those whose only visit during immunization period preceded availability of the vaccine are excluded**
 | **Cases included in the denominator will pass if:*** **influenza immunization was given at this VAMC, another VAMC, or in the private sector during the current influenza immunization season**
* **If there is documentation of allergy to eggs or other flu vaccine components, a history of Guillain-Barre Syndrome, or a bone marrow transplant within the past 12 months the case will be excluded if the patient refused or did not receive the influenza immunization during the current immunization season**
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| **Mnemonic** | **Description** | **Catnum(s)** | Denominator | **Numerator** |
| **OSTEOPOROSIS** |  |  |
| ostp10 | Female >64 had bone density test after age 60 | 50, (16, 48, 51, 60 andothrcare not =1) 54 with FE flag and othrcare not=1 | Includes all cases except:* The patient is terminally ill
* male or gender unknown
* females age <= 64
 | Cases included in the denominator will pass if:a bone mineral density test has been done since age 60 by DEXA and* the skeletal site of testing was the hip and lumbar spine
 |
| **TOBACCO** |  |  |
| **smg8** | **Tobacco Users receiving counseling on how to quit-MH and non-MH** | **50, 51 16, 48, 60. 54 with FE flag** | **Includes all cases except:*** **The patient is terminally ill**
* **patient was not a current tobacco user at the most recent screening**
 | Cases included in the denominator will pass if:* **the patient was provided with direct brief counseling on how to quit tobacco within the last year**
 |
| **smg10** | **Tobacco cessation medication offered- MH and non MH** | **50, 51 16, 48, 60. 54 with FE flag** | **Includes all cases except:*** **The patient is terminally ill**
* **patient was not a current tobacco user at the most recent screening**
 | **Cases included in the denominator will pass if:** **One of the following*** **Medication to assist with tobacco cessation was offered by a prescribing provider, OR**
* **Both of the following**
	+ **Medication to assist with tobacco cessation was offered by a non- prescribing provider And**
	+ **The non-prescribing provider did document the patient’s request in the record or the patient refused tobacco cessation medication**
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| **Mnemonic** | **Description** | **Catnum(s)** | Denominator | **Numerator** |
| **smg9** | **Offered referral to assist with smoking cessation MH and non-MH** | **50, 51 16, 48, 60. 54 with FE flag** | **Includes all cases except:*** **The patient is terminally ill**
* **patient was not a current tobacco user at the most recent screening**
 | **Cases included in the denominator will pass if:*** **the patient was offered referral for individual intervention or to tobacco use cessation program**
 |
| smg2n | Used tobacco in past 12 months Nexus non-MH | **50** | Includes all cases except:* The patient is terminally ill
 | Cases included in the denominator will pass if:* the patient is not a lifetime non-user and
* the patient was screened for tobacco use and is a tobacco user or
* the patient was not screened for tobacco use in the past year
 |
| smg2mn | Used tobacco in past 12 months Nexus -MH | 51 | Includes all cases except:* The patient is terminally ill
 | Cases included in the denominator will pass if:* the patient is not a lifetime non-user and
* the patient was screened for tobacco use and is a tobacco user or
* the patient was not screened for tobacco use in the past year
 |
| p7 | Screened for tobacco use Nexus clinics | 50, 51 16, 48, 60, 54 with FE flag  | Includes all cases except:* The patient is terminally ill

  | Cases included in the denominator will pass if:the patient is a lifetime non-user of tobacco, or has not used tobacco within the past 7 years OR* the patient was screened for tobacco use in the past year (is or is not a user.)
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| **Mnemonic** | **Description** | **Catnum(s)** | **Denominator** | **Numerator** |
| **MOVE!** |  |  |
| mov6 | Participation in MOVE!/Weight Management treatment | 50, (16, 48, 51, 60 andothrcare not =1), 54 with FE flag and othrcare=1 | Includes all cases except:* The patient is terminally ill
* Age <=17 or >=70
* There is documentation within the past year of an indicator that weight management treatment is not appropriate
* There is documentation in the year prior to the past year of a permanent contraindication to weight management treatment
* The BMI is <25
* The BMI is >=25and <30 and there are no obesity related co-morbidities
 | Cases included in the denominator will pass if:* Within the past year the patient participated in VA weight management treatment or participated in non-VHA weight management treatment
 |
| **MEDICATION RECONCILIATION** |  |  |
| mrec41 | Home medications reviewed with patient or documented reason why not | 50, 51 and othrcare not=1, 54 and FE flag =1 and othrcare not=1 | Includes all cases except:* Medications were not modified or prescribed during the most recent Nexus clinic visit in the past year by a provider
 | Cases included in the denominator will pass if: * The record documents that at the most recent Nexus clinic visit a member of the health care team reviewed the patient’s list of medications and/or a medication list for review to include all of the 6 required components with the patient/caregiver?

OR* there is no evidence in the medical record at the most recent Nexus clinic visit a member of the health care team reviewed the patient’s list of medications and/or a medication list for review to include all of the 6 required components with the patient/caregiver
* and
	+ the medical record documented that an emergent, life threatening situation existed with this patient prohibiting completion of medication reconciliation at this time

OR* + the medical record documented that the patient and/or caregiver was unable to confirm the patient’s medications
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| **Mnemonic** | **Description** | **Catnum(s)** | **Denominator** | **Numerator** |
| mrec43 | Reconciled medication list provided to patient | 50 or 51 and othrcare not=1, 54 and FE flag =1 and othrcare not=1 | Includes all cases except:* Medications were not modified or prescribed during the most recent Nexus clinic visit in the past year by a physician/APN/PA
* No medication list was given to the patient/caregiver **and** documented that patient maintains own medication list
* The patient refused a list of the reconciled medications
 | Cases included in the denominator will pass if: There is documentation that a written list of the reconciled discharge medications was provided to the patient/caregiver at the end of Nexus clinic visit |
|  | Medication List Components (Informational Only) |  | Number of cases in denominator of mrec41 |  |
| mrec41a | Local Active VA Prescriptions | 50 or 51 and othrcare not=1, 54 and FE flag =1 and othrcare not=1 | Number of cases in denominator of mrec41 | Number of cases that documented the Local Active VA Prescription component of the patient’s medication list or the medication list for review was reviewed with the patient/caregiver at the most recent NEXUS visit |
| mrec41b | Remote Active VA Prescriptions | 50 or 51 and othrcare not=1, 54 and FE flag =1 and othrcare not=1 | Number of cases in denominator of mrec41 | Number of cases that documented the Remote Active VA Prescription component of the patient’s medication list or the medication list for review was reviewed with the patient/caregiver at the most recent NEXUS visit |
| mrec41c | Non-VA Medications | 50 or 51 and othrcare not=1, 54 and FE flag =1 and othrcare not=1 | Number of cases in denominator of mrec41 | Number of cases that the Non-VA Medications component of the patient’s medication list or the medication list for review was reviewed with the patient/caregiver at the most recent NEXUS visit |
| mrec41d | Recently Expired VA Prescriptions (90 – 180 days) | 50 or 51 and othrcare not=1, 54 and FE flag =1 and othrcare not=1 | Number of cases in denominator of mrec41 | Number of cases that documented the Recently Expired VA Prescriptions (90-180 days)component of the patient’s medication list or the medication list for review was reviewed with the patient/caregiver at the most recent NEXUS visit |
| mrec41e | Recently Discontinued VA Prescriptions (90 – 180 days) | 50 or 51 and othrcare not=1, 54 and FE flag =1 and othrcare not=1 | Number of cases in denominator of mrec41 | Number of cases that documented the Recently Discontinued VA Prescriptions component of the patient’s medication list or the medication list for review was reviewed with the patient/caregiver at the most recent NEXUS visit |
| mrec41f | Pending Medication Orders where relevant  | 50 or 51 and othrcare not=1, 54 and FE flag =1 and othrcare not=1 | Number of cases in denominator of mrec41 | Number of cases that documented the Pending Medication Orders component of the patient’s medication list or the medication list for review was reviewed with the patient/caregiver at the most recent NEXUS visit |
| **ACOVE (age 75 years and older)** |  |  |
| fe1 | Assessed for urinary incontinence in the last 12 months | 54 and othrcare not=1 | Includes all cases except:Age <75 | Cases included in the denominator will pass if:The patient was screened for urinary incontinence in the past 365 days |
| fe3 | Fall history documented in the past 12 months | 54 and othrcare not=1 | Includes all cases except:Age <75 | Cases included in the denominator will pass if:The patient was asked about the presence/absence of any falls within the preceding 12 months |
| fe9 | Assessed functional status (ADL and IADL) in the past 12 months | 54 and othrcare not=1 | Includes all cases except:Age <75 | Cases included in the denominator will pass if:An assessment of the patient’s ADLs was performed in the last 12 months using a standardized toolANDAn assessment of the patient’s instrumental activities of daily living (IADLs) was performed in the last 12 months using a standardized tool |

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| **Mnemonic** | **Description** | **Catnum(s)** | Denominator | Numerator |
| **SCI&D** |  |  |
| **SCI&D-DIABETES** |  |  |
| scid3 | HbgA1c > 9 or not done in the past year(low score is better) | 36 othrcare not =1, 61 | Includes all cases except:* The patient is terminally ill
* DM is not flagged as a diagnosis
* Age <18 and >75
 | Cases included in the denominator will pass if:* an HbgA1c was done in the past year and
* the value of the HbA1c was >9

 OR* an HbgA1c was not done in the past year
 |
| scid5 | Retinal exam, timely by disease | 36 othrcare not =1, 61 | Includes all cases except:* The patient is terminally ill
* DM is not flagged as a diagnosis
* Age <18 and >75
* cases with explicit documentation by an ophthalmologist or optometrist that the patient is blind and no longer needs a retinal exam.
 | Cases included in the denominator will pass if:* a retinal exam was done within the past year at this or another VAMC or by a private sector provider and
* the exam was performed by an ophthalmologist, an optometrist, retinal photo sent to eye care specialist or digital imaging sent to be read by an ophthalmologist or optometrist

OR* if a retinal exam as described above was not performed in the past year, then
* in the year previous to the past year, a retinal exam was performed by an ophthalmologist, an optometrist, retinal photo sent to eye care specialist or digital imaging sent to be read by an ophthalmologist or optometrist and
	+ the report of the eye exam showed no retinopathy
 |
| scid4 | DM-Outpt BP <140/90 | 36 and othrcare not =1, 61 | Includes all cases except:* patient is terminally ill
* DM is not flagged as a diagnosis
* Age <18 and>75

  | Cases included in the denominator will pass if:* the most recent blood pressure recorded was <140 systolic and < 90 diastolic
 |
| scid7 |  BP >=160/100 or not recorded(lower score is better) | **36 and othrcare not =1, 61** | Includes all cases except:* patient is terminally ill
* DM is not flagged as a diagnosis
* Age <18 and>75
 | Cases included in the denominator will pass if:* the most recent blood pressure recorded was >= 160 systolic or >=100 diastolic or
* a blood pressure was not recorded during the past year.

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| **Mnemonic** | **Description** | **Catnum(s)** | **Denominator** | **Numerator** |
| **SCI&D-IMMUNIZATIONS** |  |  |
| p19s | Influenza Vaccination \*\***This indicator will be scored beginning with April visits; does not appear on exit reports in 1Q and 2Q** | 36 and othrcare not =1 or 61 | Includes all cases except:* patient is terminally ill
* The study begin date is < 4/1/2017
* those whose only visit during immunization period preceded availability of the vaccine are excluded
 | Cases included in the denominator will pass if:* influenza immunization was given at this VAMC, another VAMC, or in the private sector during the current influenza immunization season
* If there is documentation of allergy to eggs or other flu vaccine components, a history of Guillain-Barre Syndrome, or a bone marrow transplant within the past 12 months the case will be **excluded** if the patient refused or did not receive the influenza immunization during the current immunization season
 |
| p1s | Pneumococcal Vaccination | 36 othrcare not =1, 61 | Includes all cases except:* patient is terminally ill
* **the patient refused the pneumococcal vaccination or there was no documentation the patient received the vaccination AND there is documentation that the patient had a severe reaction to a pneumococcal vaccine component**
 | Cases included in the denominator will pass if:* pneumococcal immunization was given at this VAMC or another VAMC, or was given in the private sector,
 |
| **SCI&D-TOBACCO** |  |  |
| smg8s |  Tobacco Users receiving counseling on how to quit- | 36 or 61 | Includes all cases except:* patient is terminally ill
* patient reported that he/she did not use tobacco at the most recent screening
 | Cases included in the denominator will pass if:* was provided with direct brief counseling on how to quit tobacco within the last year
 |
| smg10s | Tobacco cessation medication offered | 36 or 61 | Includes all cases except:* patient is terminally ill
* patient reported that he/she did not use tobacco at the most recent screening
 | Cases included in the denominator will pass if:One of the following* Medication to assist with tobacco cessation was offered by a prescribing provider, OR
* Both of the following
	+ Medication to assist with tobacco cessation was offered by a non- prescribing provider And
	+ The non-prescribing provider did document the patient’ s request in the record or the patient refused tobacco cessation medication
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| **Mnemonic** | **Description** | **Catnum(s)** | **Denominator** | **Numerator** |
| smg9s | Offered referral to assist with smoking cessation  | 36 or 61 | Includes all cases except:* patient is terminally ill
* patient reported that he/she did not use tobacco at the most recent screening
 | Cases included in the denominator will pass if:* the patient was offered referral for individual intervention or to tobacco use cessation program
 |
| smg2sn | Used tobacco in past 12 months Nexus  | 36 or 61  | Includes all cases except:* patient is terminally ill
 | Cases included in the denominator will pass if:* the patient is not a lifetime non-user and
* the patient was screened for tobacco use and is a tobacco user or
* the patient was not screened for tobacco use in the past year
 |
| p7s | Outpt Screened for tobacco use  | 36 or 61  | Includes all cases except:* patient is terminally ill
 | Cases included in the denominator will pass if:the patient is a lifetime non-user of tobacco, or has not used tobacco within the past 7 years OR* the patient was screened for tobacco use in the past year (is or is not a user.)
 |