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| **Mnemonic** | **Description** | **Catnum(s)** | Denominator | **Numerator** |
| **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<50 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** |
| 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 FOBT, sigmoidoscopy, colonoscopy or DCBE per requirements but did have a colon CT or stool based DNA test** * **iFOBT/FIT testing done within the past year at VHA and the number of tests required by the manufacturer is <1 or >5** * **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 done within the past year at VHA with the number of tests required by the manufacturer returned or**   + **iFOBT/FIT testing was done by a private sector provider (any number of results reported)**   + **a sigmoidoscopy within the past 5 years;**   + **a double-contrast barium enema within the past 5 years** |

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| **Mnemonic** | **Description** | **Catnum(s)** | **Denominator** | **Numerator** |
|  | Heart Failure Diagnosis  Number of cases reviewed | 50, (16, 48, 51, 60 and  othrcare 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 and  othrcare 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 of left ventricular systolic function documented as:   + A percentage OR   + A narrative description |
| chf14 | LVSF <40 on ACEI or ARB | 50, (16, 48, 51, 60 and  othrcare 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- Number of cases reviewed | 50, (16, 48, 51, 60 and  othrcare 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** |
| Htn10 | HTN BP >=160/100 or not done  (low score is better) | 50, (16, 48, 51, 60 and  othrcare 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 and  othrcare 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 and  othrcare 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** |
| P10 | Hyperlipidemia Screening-Overall | 50, (16, 48, 51, 60 and  othrcare 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   AND  had 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** |
| **Ihd18hns** | **LDL <100 or moderate dose statin** | **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 < 18 and >75** * **Cases without one of the following:**   + **past AMI is 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**   + **there is documentation that 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/peripheral artery disease**     - **Stroke**     - **Atheroembolism**     - **Renal artery atherosclerosis** * **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** * **The most recent LDL done in the past year was >400**   + **If the most recent LDL cannot be calculated d/t high triglycerides and the previous LDL (in the past year) is >400** | **Cases included in the denominator will pass if:**   * + **An LDL was done with the past 365 days and one of the following:**     - **the LDL done within the past 365 days is <100 or**     - **If the most recent LDL cannot be calculated d/t high triglycerides and the previous LDL (in the past 365 days) is < 100 or**     - **An LDL done was after the study end date and prior to the pull list date and is <=90 days after the most recent LDL (or 90 days after the previous LDL if the most recent cannot be calculated) is < 100 or**     - **The patient was currently prescribed a statin medication on the date the most recent LDL value (within the past 365 days) was obtained and the statin was**       * **atorvastatin and the daily dose was >=10 mg or**       * **fluvastatin and the daily dose was >= 80 mg or**       * **lovastatin or pravastatin and the daily dose was >= 40 mg or**       * **rosuvastatin and the daily dose was >= 5 mg or**       * **simvastatin and the daily dose was >= 20 mg**   **OR**   * **the patient was not taking a statin on the date the most recent LDL value (within the past 365 days) was obtained or** * **the patient is taking pitavastatin or unable to determine which statin the patient is taking or** * **the dose of atorvastatin, fluvastatin, lovastatin, pravastatin, rosuvastatin or simvastatin is less than above** * **and**   + - **a new statin was added within 90 days after the date of the index LDL and**     - **the new statin is atorvastatin, fluvastatin, lovastatin, pravastatin, rosuvastatin or simvastatin and**     - **the dose of the new statin is >=1**   **OR**   * + - **the dose of the statin was changed within 90 days after the date of the index LDL**     - **the new dose is a valid value and is > than the previous dose** |

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| **Mnemonic** | **Description** | **Catnum(s)** | **Denominator** | **Numerator** |
| Ihd70 | LDL-C <100 or moderate dose statin | 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 < 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 patient was enrolled in a clinical trial or research protocol that precludes access to the lipid profile * The value of the most recent LDL is> 400   + The value of the previous LDL obtained within 1 year prior to the date of most recent LDLis > 400 and t he most recent LDL cannot be calculated d/t high triglycerides or the value is >=100 and <=400 * The value of the LDL done after the study end date and up to the date of review is >400 and no LDL was done or the previous LDL was >=100 and <=400 | Cases included in the denominator will pass if:   * + The patient was prescribed a statin medication during the 100 days prior to and including the date of the most recent Nexus visit and the statin was     - atrovastatin and the daily dose was >= 10 mg or     - fluvastatin and the daily dose was >= 80 mg or     - lovastatin or pravastatin and the daily dose was >= 40 mg or     - rosuvastatin and the daily dose was >= 5 mg or     - simvastatin and the daily dose was >= 20 mg   OR   * An LDL was done in the past 365 days and was less than 100   OR   * + the most recent LDL cannot be calculated d/t high triglycerides or the value is >=100 and <=400 and     - the previous LDL obtained within 365 days prior to the date of most recent LDL is <100   OR   * No LDL was done or the previous LDL was >=100 and <=400 and   + An LDL was done after the study end date and up to the date of review and the value was <100 |

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| Mnemonic | Description | Catnum(s) | Denominator | Numerator |
| ihd40 | BP <140/90 or <150/65 or 3 moderate dose anti-hypertensives | 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 < 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, 310/323, 312, 322, 323, 323/531, 348 or 350 | 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** |
|  | Diagnosis of Past AMI (AMI > 8 weeks) | 50, (16, 48, 51, 60 and  othrcare 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 and  othrcare 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 and  othrcare 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 and  othrcare not =1) , 54 with FE flag and othrcare not=1 | Includes all cases except:   * Terminally ill patients * Age <18 and >75 * 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** |
|  | Diabetes Mellitus Diagnosis –Number of cases reviewed | 50, (16, 48, 51, 60 and  othrcare 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** |
| dmg28 | BP >=160/100 or not done  (lower score is better) | 50, (16, 48, 51, 60 and  othrcare not =1) , 54 with FE flag and othrcare not=1 | Includes all cases except:   * Terminally ill patients * The case is not flagged for DM | 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. |
| dmg40 | BP <140/90 or <150/65 or 3 moderate dose anti-hypertensives | 50, (16, 48, 51, 60 and  othrcare 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, 310/323, 312, 322, 323, 323/531, 348 or 350 | 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** * **the patient had renal transplantation or** * **there is a positive urine protein within the past year 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** |

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| **Mnemonic** | **Description** | **Catnum(s)** | **Denominator** | **Numerator** |
| **dmg25hs** | **LDL<100 or moderate dose statin** | **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 < 18 and >75** * **Cases is not flagged for DM** * **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** * **The most recent LDL done in the past year was >400** * **If the most recent LDL cannot be calculated d/t high triglycerides and the previous LDL (in the past year) is >400** | **Cases included in the denominator will pass if:**   * + **An LDL was done with the past 365 days and one of the following:**     - **the LDL done within the past 365 days is <100 or**     - **If the most recent LDL cannot be calculated d/t high triglycerides and the previous LDL (in the past 365 days) is < 100 or**     - **An LDL done was after the study end date and prior to the pull list date and is <=90 days after the most recent LDL (or 90 days after the previous LDL if the most recent cannot be calculated) is < 100 or**     - **The patient was currently prescribed a statin medication on the date the most recent LDL value (within the past 365 days) was obtained and the statin was**       * **atorvastatin and the daily dose was >=10 mg or**       * **fluvastatin and the daily dose was >= 80 mg or**       * **lovastatin or pravastatin and the daily dose was >= 40 mg or**       * **rosuvastatin and the daily dose was >= 5 mg or**       * **simvastatin and the daily dose was >= 20 mg**   **OR**   * **the patient was not taking a statin on the date the most recent LDL value (within the past 365 days) was obtained or** * **the patient is taking pitavastatin or unable to determine which statin the patient is taking or** * **the dose of atorvastatin, fluvastatin, lovastatin, pravastatin, rosuvastatin or simvastatin is less than above** * **and**   + - **a new statin was added within 90 days after the date of the index LDL and**     - **the new statin is atorvastatin, fluvastatin, lovastatin, pravastatin, rosuvastatin or simvastatin and**     - **the dose of the new statin is >=1**   **OR**   * + - **the dose of the statin was changed within 90 days after the date of the index LDL** * **the new dose is a valid value and is > than the previous dose** |

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| **Mnemonic** | **Description** | **Catnum(s)** | **Denominator** | **Numerator** |
| dmg70 | LDL <100 or moderate dose statin | 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 * Cases not flagged for DM * Age < 50 and >75 * the patient was enrolled in a clinical trial or research protocol that precludes access to the lipid profile * The value of the most recent LDL is> 400   + The value of the previous LDL obtained within 1 year prior to the date of most recent LDLis > 400 and t he most recent LDL cannot be calculated d/t high triglycerides or the value is >=100 and <=400 * The value of the LDL done after the study end date and up to the date of review is >400 and no LDL was done or the previous LDL was >=100 and <=400 | Cases included in the denominator will pass if:   * + The patient was prescribed a statin medication during the 100 days prior to and including the date of the most recent Nexus visit and     - The statin was atrovastatin and the daily dose was >= 10 mg or     - The statin was fluvastatin and the daily dose was >= 80 mg or     - The statin was lovastatin or pravastatin and the daily dose was >= 40 mg or     - The statin was rosuvastatin and the daily dose was >= 5 mg or     - The statin was simvastatin and the daily dose was >= 20 mg   OR   * An LDL was done in the past 365 days and was less than 100   OR   * + the most recent LDL cannot be calculated d/t high triglycerides or the value is >=100 and <=400 and     - the previous LDL obtained within 365 days prior to the date of most recent LDL is <100   OR   * No LDL was done or the previous LDL was >=100 and <=400 and   + An LDL was done after the study end date and up to the date of review and the value was <100 |

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| **Mnemonic** | **Description** | **Catnum(s)** | **Denominator** | **Numerator** |
| c7n | Foot Sensory exam using monofilament | 50, (16, 48, 51, 60 and  othrcare 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 and  othrcare 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 and  othrcare 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 |
| dmg22 | ACEI or ARB included in current meds | 50, (16, 48, 51, 60 and  othrcare not =1) , 54 with FE flag and othrcare not=1 | Includes all cases except:   * Terminally ill patients * The case is not flagged for DM * There is a documented reason for not prescribing both ACEI 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 |
| dmg20 | ASA included in current meds | 50, (16, 48, 51, 60 and  othrcare not =1) , 54 with FE flag and othrcare not=1 | Includes all cases except:   * Terminally ill patients * 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. |

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| **Mnemonic** | **Description** | **Catnum(s)** | **Denominator** | **Numerator** |
| **sa7** | **Screened for alcohol use with AUDIT-C** | **50, 16, 48, 51, 60, 54 with FE flag** | **Includes all cases except:**   * **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:**   * **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:**   * **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:   * 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 pt 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:**   * **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** | **Cases included in the denominator will pass if:**   * **There is a valid date of screening by the PHQ-2 or PHQ-9 in the past year** * **One of the following:**   + **within the past year 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**   * + **within the past year 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** |
| mdd41 | Positive depression screen with timely suicide ideation/behavior evaluation | 50, 16, 48, 51, 60, 54 with FE flag | Includes all cases except:   * 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 * Cases with all of the following:   + The total score or calculated score of the PHQ-2 is < 3 and the outcome is negative   + 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 did document 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 orthcare not=1** | **Includes all cases except:**   * **The patient is terminally ill** * **the patient’s age as of 1/1/14 is <=64** | **Cases included in the denominator will pass if:**  * **pneumococcal immunization was given at this VAMC, another VAMC, or in the private sector** |
| **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 orthcare not=1** | **Includes all cases except:**   * **The patient is terminally ill** * **The study begin date is <4/1/2015** * **The patient’s age as of 7/1/14 is <18 and >64** * **There is documented allergy or reason for not giving the flu immunization** * **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** |
| **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 orthcare not=1** | **Includes all cases except:**   * **The patient is terminally ill** * **The study begin date is <4/1/2015** * **The patient’s age as of 7/1/14 is <65** * **There is documented allergy or reason for not giving the flu immunization** * **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** |

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| **Mnemonic** | **Description** | **Catnum(s)** | Denominator | **Numerator** |
| ostp10 | Female >64 had bone density test after age 60 | 50, (16, 48, 51, 60 and  othrcare not =1) 54 with FE flag and orthcare 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 |
| **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** |
| **mov5** | **Obesity screening and treatment offered if appropriate** | **50, (16, 48, 51, 60 and**  **othrcare 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** | **Cases included in the denominator will pass if:**  **One of the following:**   * **Waist circumference is at or below threshold or not documented and**   + **BMI is <25 or**   + **BMI is >=25 and <30 and there are no obesity related diagnoses** * **Within the past year the patient was counseled on the risk of overweight/obesity and offered weight management treatment** |
| mov6 | Participation in MOVE!/Weight Management treatment | 50, (16, 48, 51, 60 and  othrcare 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 |

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| **Mnemonic** | **Description** | **Catnum(s)** | | Denominator | **Numerator** |
| 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 |

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| **Mnemonic** | **Description** | **Catnum(s)** | Denominator | Numerator |
| 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 |

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| **Mnemonic** | **Description** | **Catnum(s)** | **Denominator** | **Numerator** |
| 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** |
| 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 < 4/1/2015 * There is a documented allergy or reason for not giving the flu immunization * 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 |
| p1s | Pneumococcal Vaccination | 36 othrcare not =1, 61 | Includes all cases except:   * patient is terminally ill | 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, |

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| **Mnemonic** | **Description** | **Catnum(s)** | **Denominator** | **Numerator** |
| 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 |
| 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 |

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| **Mnemonic** | **Description** | **Catnum(s)** | **Denominator** | **Numerator** |
| 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.) |