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| **Indicator** | **Description** | **Denominator** | **Numerator** |
| hc29 | Nutrition/hydration assessment by registered dietician within 30 days | **Includes all cases except:*** Patients admitted to HBPC greater than one year
* Patients who were hospitalized during the 30 days following HBPC admission
 | Cases are included in the numerator if**:*** The record documents an assessment of the patient’s nutritional and hydration needs by a registered dietician during a face to face encounter OR during a clinical video teleconference encounter (CVT) within the time frame of 30 days prior to or after HBPC admission date**.**
 |
| hc34 | Medication management plan review by pharmacist within 30 days | **Includes all cases except:*** Patients admitted to HBPC greater than one year
* Patients admitted to HBPC <= 30 days or > 90 days
* Patients who were hospitalized during the 30 days following HBPC admission
* Patients who were not on at least one medication at the time of HBPC admission
 | Cases are included in the numerator if**:*** A pharmacist reviewed the patient’s medication management plan within 30 days of the HBPC admission date and one of the following
	+ The pharmacist did not make any recommendations for change in the patients medication regimen OR
* The pharmacist did make recommendations for change in the patients medication regimen AND the pharmacist communicated the change to the HBPC or primary care provider
 |
| hc35 | Environmental/safety risk assessment by rehab therapist within 30 days | **Includes all cases except:*** Patients admitted to HBPC greater than one year
* Patients who were hospitalized during the 30 days following HBPC admission
 | Cases are included in the numerator if**:**A home environmental safety/risk assessment was completed by a rehabilitation therapist during a face to face encounter OR during a clinical video teleconference encounter (CVT) )within the time frame of 30 days prior to or after HBPC admission date  |

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| **Indicator** | **Description** | **Denominator** | **Numerator** |
| hc36 | Home oxygen safety risk assessment within 30 days | Includes all cases except:* Patients admitted to HBPC greater than one year
* Patients who were hospitalized during the 30 days following HBPC admission
* Patients who are not oxygen dependent
 | Cases are included in the numerator if:* A home oxygen safety risk assessment which included all the required components was documented by an HBPC team member during a face to face encounter or during a CVT encounter within the timeframe of 30 days before or after the HBPC admission date

AND* An HBPC team member informed and educated the patient/caregiver about all of the following
	+ The findings of the oxygen safety risk assessment,
	+ The causes of fire,
	+ Fire risks for neighboring residences and buildings, and
	+ Precautions that can prevent fire-related injuries

AND* An HBPC team member documented that no oxygen risks were identified OR
* An HBPC team member documented interventions to address identified oxygen safety risk(s) and
	+ A response to the care plan/intervention was evaluated by an HBPC team member or
	+ There was no HBPC visit between the home oxygen care plan/intervention and the study end date
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| **Indicator** | **Description** | **Denominator** | **Numerator** |
| hc38 | Screened annually for depression | Includes all cases except:* Patients enrolled in a VHA or community hospice program
* Patients who are terminally ill (termill=1)
* Patients with 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 cognitive impairment (cogscor2=5) or
		- The score indicated mild dementia, no dementia or outcome was not documented and there is clinician documentation  the patient has  moderate or severe cognitive impairment or
		- The severity of dementia was not assessed using one of the specified tool and there is clinician documentation in the past year the patient has moderate or severe cognitive impairment(modsevci=1)
* 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 are included in the numerator if :* The patient was screened using the PHQ-2+I9 OR the PHQ-2 and
	+ The answers to questions 1 and 2 are documented
	+ The total score is documented and
	+ Screening was done within the past year
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| **Indicator** | **Description** | **Denominator** | **Numerator** |
| hc41 | PTSD Screening | Includes all cases except:* Patients enrolled in a VHA or community hospice program
* Patients who are terminally ill (termill=1)
* Patients with a diagnosis of dementia/neurocognitive disorder as evidenced by one of the applicable codes AND
	+ - Patients with 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 cognitive impairment (cogscor2=5) or
		- The score indicated mild dementia, no dementia or outcome was not documented and there is clinician documentation  the patient has  moderate or severe cognitive impairmentor
		- The severity of dementia was not assessed using one of the specified tool and there is clinician documentation in the past year the patient has moderate or severe cognitive impairment(modsevci=1)
		- The patient had a clinical encounter within the past year with PTSD identified as a reason for the visit by the specified ICD-10 CM codes
 | Cases are included in the numerator if :One of the following:* Screening was done using the PC-PTSD5+I9 OR the PC-PTSD5 >=09/01/2018 and
	+ Date of separation is < 5 years and patient was screened within the last year
	+ The veteran has not experienced exposure to traumatic events (traumevet=2) or
	+ The veteran has experienced exposure to traumatic events (traumevet=1 ) and
		- The patient’s response to all 5 questions is documented and
		- The total score is documented

OR* Screening was done using the PC-PTSD screen <10/1/2018 and
	+ Date of separation is >5 years and screening was done in the past 5 years
	+ The answer to each question is documented and
	+ The total score is documented
 |
| I**ndicator** | **Description** | **Denominator** | **Numerator** |
| hc57 | Pneumococcal immunization age 66 and greater | Includes all cases except:* Patients enrolled in a VHA or community hospice program
* Patients who are terminally ill (termill=1)
* The patient had a bone marrow transplant during the past year
* The patient received chemotherapy during the past year
* the patient’s age as of 01/01/2020 is <66
* At any time in the patient’s history up to the study end date there is documentation of one of the following:
	+ Immunocompromising conditions
	+ Anatomic or functional asplenia
	+ Sickle cell disease and HB-S disease
	+ Cerebrospinal fluid leak(s)
	+ Cochlear implant(s)
 | Cases are included in the numerator if :* The patient received the PPSV23 pneumococcal vaccination from VHA or in the private sector as an inpatient or outpatient and the patient was age >=60

**\*\***If the patient received the PPSV23 < age 60 and there is documentation of a prior anaphylactic reaction to a pneumococcal vaccine the case is excluded OR If the patient refused or did not receive the PPSV23 and there is documentation of a prior anaphylactic reaction to a pneumococcal vaccine, the case is excluded |
| hc45 | Pneumococcal immunization refused(Lower is better) | Includes all cases except:* Patients enrolled in a VHA or community hospice program
* Patients who are terminally ill (termill=1)
* The patient had a bone marrow transplant during the past year
* The patient received chemotherapy during the past year
* the patient’s age as of 01/01/2020 is <66
* At any time in the patient’s history up to the study end date there is documentation of one of the following:
	+ Immunocompromising conditions
	+ Anatomic or functional asplenia
	+ Sickle cell disease and HB-S disease
	+ Cerebrospinal fluid leak(s)
	+ Cochlear implant(s)
 | The numerator includes:* The number of cases that did not have documentation of a prior anaphylactic reaction to a pneumococcal vaccine and *refused* the PPSV23

**\***If the PPSV23 was either refused or not received AND there is documentation of a prior anaphylactic reaction to a pneumococcal vaccine the case is excluded |
| I**ndicator** | **Description** | **Denominator** | **Numerator** |
| hc48 | Influenza immunization refused | **Includes all cases except:*** Patients enrolled in a VHA or community hospice program
* Patients who are terminally ill (termill=1)
* The patient’s age as of 07/01/2020 is <18 or >64
* HBPC admission date is < 07/01/2020 or >6/30/2021
* The date of the most recent HBPC encounter is <07/01/2020 or >6/30/2021
* The patient was not enrolled in HBPC during the timeframe 07/01/2020 to 06/30/2021
* Patients whose only visit during immunization period preceded availability of the vaccine are excluded
 | The numerator includes:* The number of cases that did not have documentation of a previous severe allergic reaction to any component of the flu vaccine or a history of Guillain-Barre Syndrome, or a bone marrow transplant within the past 12 months AND there is documentation that the patient **refused** the influenza immunization
 |
| hc53 | Veterans assessed for duplications in medication therapy | Includes all cases except:* Patients admitted to HBPC greater than 120 days
* The patient was not on at least one medication at the time of admission
* The patient was hospitalized within 30 days following HBPC admission
* The medication management plan was not documented in a note signed by the pharmacist within 30 days of admission
 | Cases are included in the numerator if:* The pharmacist documented medications were assessed for duplications in therapy within 30 days of admission
 |
| hc54 | Veterans assessed for drug-drug interactions in medication therapy | Includes all cases except:* Patients admitted to HBPC greater than 120 days
* The patient was not on at least one medication at the time of admission
* The patient was hospitalized within 30 days following HBPC admission
* The medication management plan was not documented in a note signed by the pharmacist within 30 days of admission
 | Cases are included in the numerator if:* The pharmacist documented medications were assessed for drug to drug interactions within 30 days of admission
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| **Indicator** | **Description** | **Denominator** | **Numerator** |
| hc55 | Education on Alternative Caregiving/Placement Plans | Includes all cases except:* Patients admitted to HBPC greater than one year
* No education about alternative caregiving/placement plans was done and there is documentation within 30 days of admission by an HBPC social worker of a reason why the education about alternative caregiving/placement plans did not take place
 | Cases are included in the numerator if:* The HBPC social worker documented any one of the components of education about alternative caregiving/placement plans within 30 days of the date of admission

OR* No education about alternative caregiving/placement plans was done and there is documentation within 30 days of admission that the patient/caregiver/guardian refused the education
 |
| hc56 | Alternative CaregiverPlacement Plan Documented | Includes all cases except:* Patients admitted to HBPC greater than one year
* The date of HBPC admission is <125 prior to the study begin date
* No education about alternative caregiving/placement plans was done and there is documentation within 30 days of admission that the patient/caregiver/guardian refused the education
 | Cases are included in the numerator if:* The HBPC social worker documented within 125 days of the date of admission the patient’s plan for urgent/emergent care OR the patient/caregiver/guardian refused to make a plan for urgent/emergent care

AND* The HBPC social worker documented within 125 days of admission the patient’s plan for long term care OR the patient/caregiver/guardian refused to make a plan for long term care
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| **Pilot Measures** |
| **Indicator** | **Description** | **Denominator** | **Numerator** |
| hc58 | Initial Nutrition Assessment for Malnutrition | Includes all cases except:* Patients admitted to HBPC greater than one year
* The patient was hospitalized during the 30 days following HBPC admission
* Patients enrolled in a VHA or community hospice program
* Patients who are terminally ill (termill=1)
* An assessment for malnutrition was not completed by the HBPC RD or RDN and the initial nutrition assessment contains documentation that the patient/caregiver/guardian refused or declined to participate in the assessment for malnutrition
 | Cases are included in the numerator if:* The HBPC RD or RDN initial nutrition assessment contains an assessment for malnutrition that was completed by a RD or RDN within the timeframe of 30 days prior to or after HBPC admission date
	+ The assessment was completed during the initial face to face encounter or
	+ The assessment was completed during the initial CVT encounter
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| **Indicator** | **Description** | **Denominator** | **Numerator** |
| Hc59 | Annual suicide risk screening using C-SSRS or CSRE | Includes all cases except:* The most recent home care encounter was <01/01/21
* Patients enrolled in a VHA or community hospice program
* Patients who are terminally ill (termill=1)
* Patients with 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 cognitive impairment (cogscor2=5) or
		- The score indicated mild dementia, no dementia or outcome was not documented and there is clinician documentation  the patient has  moderate or severe cognitive impairmentor
		- The severity of dementia was not assessed using one of the specified tool and there is clinician documentation in the past year the patient has moderate or severe cognitive impairment(modsevci=1)
 | Cases included in the demoninator will pass if:* The C-SSRS was completed (all applicable questions complete) within the past year and the outcome was documented

OR* The C-SSRS was not completed within the past year or the patient refused to be screened and
	+ There is evidence of a signed CSRE in the record and
		- The clinical impression of acute risk was documented and
		- The clinical impression of chronic risk was documented and

At least one of the general strategies for managing risk in any setting was documented |

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| **Indicator** | **Description** | **Denominator** | **Numerator** |
| hc60 | Timely VA comprehensive suicide risk evaluation (CSRE) | Includes all cases except:* During the past year the patient was enrolled in a VHA or community-based hospice program
* The patient has a terminal illness as per the question termill
* Patients with 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 cognitive impairment (cogscor2=5) or
		- The score indicated mild dementia, no dementia or outcome was not documented and there is clinician documentation  the patient has  moderate or severe cognitive impairmentor
		- The severity of dementia was not assessed using one of the specified tool and there is clinician documentation in the past year the patient has moderate or severe cognitive impairment (modsevci=1)
* The C-SSRS (Columbia) screener was not completed or the patient refused it in the past year
* The score of questions 3, 4, 5, and 8 of the CSSR-S was no or not documented and the interpretation of the C-SSRS was negative or not documented
* The score of questions 3, 4, 5, and 8 of the CSSR-S was yes and the interpretation of the C-SSRS was positive and the patient was admitted to inpatient or residential treatment for mental health care on the same calendar day as the positive C-SSRS
 | Cases included in the denominator will pass if:* There is evidence of a signed CSRE in the record and
	+ - The clinical impression of acute risk was documented and
		- The clinical impression of chronic risk was documented and
* At least one of the general strategies for managing risk in any setting was documented
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| **Indicator** | **Description** | **Denominator** | **Numerator** |
| hc61 | Screened annually for alcohol misuse | Includes all cases except:* The patient is enrolled in a VHA or community hospice
* The patient has a diagnosis of cancer of the pancreas, liver, or esophagus or documentation of life expectancy less than 6 months
* Patients with 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 cognitive impairment (cogscor2=5) or
		- The score indicated mild dementia, no dementia or outcome was not documented and there is clinician documentation  the patient has  moderate or severe cognitive impairment or
		- The severity of dementia was not assessed using one of the specified tool and there is clinician documentation in the past year the patient has moderate or severe cognitive impairment (modsevci=1)
 | Cases included in the denominator will pass if:* The patient was screened with the AUDIT-C >= 3/1/2021 and <= study end date
* The score of question 1 is 0 or all three questions have a valid score documented and
* The total score of screening is documented
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| **Indicator** | **Description** | **Denominator** | **Numerator** |
| Hc62 | Screened for alcohol misuse with score 5 or greater with timely brief intervention | **Includes all cases except:*** **The patient is enrolled in a VHA or community hospice**
* **The patient has a diagnosis of cancer of the pancreas, liver, or esophagus or documentation of life expectancy less than 6 months**
* **Patients with 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 cognitive impairment (cogscor2=5) or**
		- **The score indicated mild dementia, no dementia or outcome was not documented and there is clinician documentation  the patient has  moderate or severe cognitive impairment or**
		- **The severity of dementia was not assessed using one of the specified tool and there is clinician documentation in the past year the patient has moderate or severe cognitive impairment (modsevci=1)**
	+ **The 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 patient’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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| **Oxygen Safety Education Components (Informational Only)** |
| **Indicator** | **Description** | **Denominator**  | **Numerator** |
| hc36a | Findings of the oxygen safety risk assessment | Includes all cases except: * Cases not in the denominator of hc36
* Those who did not have a home oxygen safety risk assessment
 | * The number of cases with documentation that the patient was educated and informed about the findings of the oxygen safety risk assessment
 |
| hc36b | Causes of fire | Includes all cases except: * Cases not in the denominator of hc36
* Those who did not have a home oxygen safety risk assessment
 | * The number of cases with documentation that the patient was educated and informed about the causes of fire
 |
| hc36c | Fire risks for neighboring residences and buildings | Includes all cases except: * Cases not in the denominator of hc36
* Those who did not have a home oxygen safety risk assessment
 | * The number of cases with documentation that the patient was educated and informed about fire risks for neighboring residences and buildings
 |
| hc36d | Precautions that can prevent fire-related injuries | Includes all cases except: * Cases not in the denominator of hc36
* Those who did not have a home oxygen safety risk assessment
 | * The number of cases with documentation that the patient was educated and informed about precautions that can prevent fire-related injuries
 |