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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 within 30 days of 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) during within 30 days of the 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 within 30 days of 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 HBPC admission 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 within 30 days of 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 30 days before or after the HBPC admission date
 |
| 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 within 30 days of 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 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 that oxygen risks were identified 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 who are terminally ill
* The patient had 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 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 are included in the numerator if :* The patient was screened using the PHQ-2+I9 and
	+ The answers to questions 1 and 2 are documented
	+ The total score is documented and
	+ The outcome 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:* Terminally ill patients
* The patient had 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 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 >=09/01/2018 and
	+ 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 and
		- The interpretation is documented

OR* Screening was done using the PC-PTSD screen <10/1/2018 and
	+ Date of separation is <=1825 days
	+ The answer to each question is documented and
	+ The total score is documented and
	+ The outcome is documented AND
		- screening was done within the past year OR
		- If the date of separation is more than 1825 days (5 years) ago, screening was done in the past 1825 days ( 5 years)
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| **Indicator** | **Description** | **Denominator** | **Numerator** |
| hc50 | Primary suicide risk screening while screening for depression | Includes all cases except:* Terminally ill patients
* The patient had 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 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 are included in the numerator if:* The patient was screened using the PHQ-2+19 within the past year and
	+ The answer to each question is documented and
	+ The total score is documented and
	+ The interpretation of the PHQ-2+I9 is documented and
	+ The score for item 9 of the PHQ-2+I9 is documented and
	+ The interpretation of item 9 of the PHQ2+I9 is documented
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| **Indicator** | **Description** | **Denominator** | **Numerator** |
| hc51 | Primary suicide risk screening while screening for PTSD | Includes all cases except:* Terminally ill patients
* The patient had 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 PTSD identified as a reason for the visit as evidenced by an applicable ICD-10 CM code
* The patient was not screened or refused to be screened using the PC-PTSD5+I9 and the patient was screened using the PC-PTSD prior to 10/01/2018
 | Cases are included in the numerator if:* The patient was screened using the PCPTSD5+19 >=09/01/2018 and
	+ - The score for item 9 of the PC-PTSD5+I9 was documented and
		- The interpretation of item9 was documented in the record and
	+ If the patient has experienced exposure to a traumatic event (traumevet=1)
		- The answer to each of the PC-PTSD5+I9 questions was documented and
		- The total score for the PC-PTSD5+I9 was documented and
		- The interpretation of the PC-PTSD5+I9 was documented
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| **Indicator** | **Description** | **Denominator** | **Numerator** |
| hc52 | Timely Secondary Suicide Risk Screening | Includes all cases except:* Terminally ill patients
* The patient had 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 will be excluded from the denominator \*\*once if
	+ 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 or* The patient was not screened or refused screening for depression within the past year using the PHQ-2+I9 or
* The patient was screened within the past year for depression using the PHQ-2+I9 and the interpretation was negative or not documented
* The patient will be excluded from the denominator \*\*once if:
	+ The patient had a clinical encounter within the past year with PTSD identified as a reason for the visit as evidenced by an applicable ICD-10 CM code or
* The patient was not screened or refused screening for PTSD within the past year using the PC-PTSD5+I9 or
* The patient was screened within the past year for depression using the PC-PTSD5+I9 and the interpretation was negative or not documented

\*\*Patients with a positive depression screen and a positive PTSD screen will appear in the denominator twice | Cases are included in the numerator once if:* The patient was screened for depression using the PHQ-2+19 during the past year and
	+ The score for item 9 of the PHQ-2+I9 is documented as 1, 2, or 3 or
	+ The interpretation of item 9 of the PHQ2+I9 is positive and
	+ On the same date of the positive I9, the C-SSRS was **completed**\* by an acceptable provider

Cases are included in the numerator once if:* The patient was screened for PTSD using the PC-PTSD5+19 during the past year and
	+ The score for item 9 of the PC-PTSD5+I9 is documented as 1, 2, or 3 or
	+ The interpretation of item 9 of the PC-PTSD5+I9 is positive and
	+ On the same date of the positive I9, the C-SSRS was **completed**\* by an acceptable provider

**\*Completed**= answers to questions 1 and 2 are documented and the answers to the remaining questions are documented as applicable. Note: If positive screens for depression and PTSD are documented on the same date, and one C-SSRS is completed on the same date, two credits will be given in the numerator |

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| **Indicator** | **Description** | **Denominator** | **Numerator** |
| hc57 | Pneumococcal immunization age 66 and greater | Includes all cases except:* The patient is terminally ill
* 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 01/01/2019 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 | Includes all cases except:* The patient is terminally ill
* 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 01/01/2019 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 |

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| **Indicator** | **Description** | **Denominator** | **Numerator** |
| hc46 | Influenza immunization age 18-64 | Includes all cases except:* The patient is terminally ill
* The patient’s age as of 07/01/2019 is <18 or >64
* HBPC admission date is < 07/01/2019 and the patient was not enrolled in HBPC during the timeframe 07/01/2019 to 06/30/2020
* Patients whose only visit during the current immunization period preceded availability of the vaccine are excluded
 | Cases are included in the numerator if :* influenza immunization was given at this VAMC, another VAMC, or in the private sector during the period from 7/1/2019 to the pull list date or study end date, whichever is greater
* If there is documentation of 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 the case will be excluded if the patient refused or did not receive the influenza immunization during the current immunization season
 |
| hc47 | Influenza immunization age 65 and greater | **Includes all cases except:*** The patient is terminally ill
* The patient’s age as of 07/01/2019 is <65
* HBPC admission date is < 07/01/2019 and the patient was not enrolled in HBPC during the timeframe 07/01/2019 to 06/30/2020
* Patient whose only visit during the current immunization period preceded availability of the vaccine are excluded
 | Cases are included in the numerator if **:*** influenza immunization was given at this VAMC, another VAMC, or in the private sector during the period from 7/1/2019 to the pull list date or study end date, whichever is greater
* If there is documentation of 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 the case will be excluded if the patient refused or did not receive the influenza immunization during the current immunization season
 |
| hc48 | Influenza immunization refused | **Includes all cases except:*** The patient is terminally ill
* The patient’s age as of 07/01/2019 is <18
* HBPC admission date is < 07/01/2019 and the patient was not enrolled in HBPC during the timeframe 07/01/2019 to 06/30/2020
* 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
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| **Pilot Measures** |
| **Indicator** | **Description** | **Denominator** | **Numerator** |
| 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
 |
| 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 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 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 (continued)** |
| **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 within 30 days following HBPC admission
* The patient is terminally ill
* The HBPC program is rural and a face to face encounter cannot be completed
* 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 and
	+ 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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| **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
 |