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| Mnemonic | **Description** | **Denominator** | **Numerator** |
| hc22 | Caregiver with Zarit Burden score of 8 or greater and received appropriate intervention | **Includes all cases except:*** Patient lives in a Community Residential Care Facility, Assisted Living Facility, or nursing home or place of residence is unable to be determined
* the veteran does not have a caregiver and does not serve as a caregiver to another
* The caregiver was not screened or refused to be screened for caregiver strain in the past year
* The Zarit Burden score was <=7 or no score was documented
 | **Of cases included in the denominator, the case will pass if:*** There is documentation of follow-up of the positive caregiver strain screen on the day of or within 14 days after the screen (carefolo=1)
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| hc25 | Patients with caregiver strain assessment using Zarit Burden scale | **Includes all cases except:*** Patient lives in a Community Residential Care Facility, Assisted Living Facility, or nursing home
* The patient’s place of residence is unable to be determined
* the veteran does not have a caregiver and does not serve as a caregiver to another
* The caregiver refused screening for caregiver strain within the past year
 | **Of cases included in the denominator, the case will pass if:*** The caregiver was screened within the past year using the Zarit Burden Interview Screening Scale
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| **Mnemonic** | **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
 | **Of cases included in the denominator, the case will pass if:*** The record documents an assessment of the patient’s nutritional and hydration needs by a registered dietician during a face to face encounter 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
 | **Of cases included in the denominator, the case will pass 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
 | **Of cases included in the denominator, the case will pass if:*** A home environmental safety/risk assessment was completed by a rehabilitation therapist during a face to face encounter within 30 days before or after the HBPC admission date
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| **Mnemonic** | **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 within 30 days of HBPC admission
* Patients who are not oxygen dependent
 | Of cases included in the denominator, the case will pass 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 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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| **Pilot Indicators** |
| **Mnemonic** | **Description** | **Denominator** | **Numerator** |
| hc37 | Medication Education | Includes all cases except:* Those with no face to face or telephone encounter with an HBPC physician/APN/PA, pharmacist, RN or LPN in the past year when medication reconciliation was performed
* Those who did not have a new medication prescribed, added or identified during the most recent HBPC encounter by a physician/APN/PA physician/APN/PA, pharmacist, RN, or LPN in the past year during the medication reconciliation process
* Those who had education provided but it did not include one or more of the required components and
	+ There is documentation of a plan to address the medication education component(s) that was not provided to the patient/caregiver by the physician/APN/PA, pharmacist, RN or LPN within 10 days prior to or10 days after the date of the most recent HBPC face to face or telephone encounter when medication reconciliation was performed
 | Of cases included in the denominator, the case will pass if:* The physician/APN/PA pharmacist , RN or LPN provided education to the patient/caregiver on the new medication(s) prescribed or added to the patient’s medication list during the most recent HBPC encounter that included all the required components:
	+ Medication name, type and reason for use
	+ How to administer the medication
	+ Anticipated actions and potential side effects
	+ How to monitor effects of the medication

AND* The physician/APN/PA pharmacist, RN or LPN documented an evaluation of the patient’s understanding of the medication education AND
	+ the evaluation indicated patient/caregiver understanding of the medication education

OR* + the evaluation indicated the patient/caregiver did not understand the education AND
	+ the physician/APN/PA pharmacist, RN or LPN documented a plan to address the patient/caregiver’s lack of understanding of the medication education
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| **Pilot Indicators** |
| **Mnemonic** | **Description** | **Denominator** | **Numerator** |
| hc38 | Screened annually for depression | Includes all cases except:* Patients who are terminally ill
* Those with documentation of a diagnosis of dementia/neurocognitive disorder as evidenced by one of the applicable codes AND
	+ The severity of dementia was assessed during the past year by one of the specified tools AND
	+ The score of the assessment indicated moderate to severe dementia

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

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

 OR* + the PHQ-9 was done or the PHQ-2 and the PHQ-9 were done on the same day and all responses to the PHQ-9 were documented, the total score was documented and the interpretation of the score was documented
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| **Pilot Indicators** |
| **Mnemonic** | **Description** | **Denominator** | **Numerator** |
| hc39 | Positive Depression Screen with Timely suicide risk evaluation | Includes all cases except:* Terminally ill patients
* Those with documentation of a diagnosis of dementia/neurocognitive disorder as evidenced by one of the applicable codes AND
	+ The severity of dementia was assessed during the past year by one of the specified tools AND
	+ The score of the assessment indicated moderate to severe dementia

there is clinician documentation in the past year that the patient is moderately or severely cognitively impaired* the patient had a clinical encounter within the past year with depression or bipolar disorder identified as a reason for the visit as evidenced by an applicable ICD-10 CM code
* There is no diagnosis of cognitive impairment or dementia or an encounter for depression or bipolar disorder and the patient was not screened for depression
* The total score or calculated score of the PHQ-2 is < 3 and the outcome is negative
* The patient was screened <10/1/2016 using the PHQ-9 and
	+ The numeric score of the PHQ-9 is <10 and
	+ The response to question 9 of the PHQ-9 was 0 or not documented and
	+ The outcome of the PHQ-9 was documented no depression or mild depression or not documented
 | Cases included in the denominator will pass if:* The provider documented a suicide ideation/behavior evaluation and the evaluation was done within one day of the positive depression screen
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| **Pilot Indicators** |
| **Mnemonic** | **Description** | **Denominator** | **Numerator** |
| hc40 | Positive depression screen with timely treatment plan | Includes all cases except:* Terminally ill patients
* Those with documentation of a diagnosis of dementia/neurocognitive disorder as evidenced by one of the applicable codes AND
	+ The severity of dementia was assessed during the past year by one of the specified tools AND
	+ The score of the assessment indicated moderate to severe dementia

there is clinician documentation in the past year that the patient is moderately or severely cognitively impaired* the patient had a clinical encounter within the past year with depression or bipolar disorder identified as a reason for the visit as evidenced by an applicable ICD-10 CM code
* There is no diagnosis of cognitive impairment or dementia or an encounter for depression or bipolar disorder and the patient was not screened for depression
* The total score or calculated score of the PHQ-2 is < 3 and the outcome is negative
* The patient was screened <10/1/2016 using the PHQ-9 and
	+ The numeric score of the PHQ-9 is <10 and
	+ The response to question 9 of the PHQ-9 was 0 or not documented and
	+ The outcome of the PHQ-9 was documented no depression or mild depression or not documented
* The patient refused follow-up intervention for positive depression screen
 | Cases included in the denominator will pass if:* The HBPC team member documented a follow-up evaluation and/or plant for treatment within 14 days of the positive depression screen
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| **Pilot Indicators** |
| **Mnemonic** | **Description** | **Denominator** | **Numerator** |
| hc41 | Screened for PTSD at required intervals with PC-PTSD | Includes all cases except:* Terminally ill patients
* Those with documentation of a diagnosis of dementia/neurocognitive disorder as evidenced by one of the applicable codes AND
	+ The severity of dementia was assessed during the past year by one of the specified tools AND
	+ The score of the assessment indicated moderate to severe dementia

there is clinician documentation in the past year that the patient is moderately or severely cognitively impairedthe patient had a clinical encounter within the past year with PTSD identified as a reason for the visit | Cases included in the denominator will pass if:* Screening was done using the PC-PTSD screen
* One of the following:
	+ screening was done within the past 365 days OR
	+ If the date of separation is more than 1825 days (5 years) ago, screening was done in the past 1825 days ( 5 years)
* The answer to each question is documented
* The total score is documented
* The outcome is documented
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| **Pilot Indicators** |
| **Mnemonic** | **Description** | **Denominator** | **Numerator** |
| hc42 | Positive PC-PTSD screen with timely suicide risk evaluation | Includes all cases except:* Terminally ill patients
* Those with documentation of a diagnosis of dementia/neurocognitive disorder as evidenced by one of the applicable codes AND
	+ The severity of dementia was assessed during the past year by one of the specified tools AND
	+ The score of the assessment indicated moderate to severe dementia

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

Screening using the PC-PTSD was done >365 days prior to the study begin date* One of the following:
	+ The total score documented 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
 |
| hc43 | Positive depression or positive PTSD screen with time suicide risk evaluation | Includes:Sum of hc42 denominator and hc39 denominator\* Individual records may appear more than once in the denominator | Includes:Sum of hc42 numerator and hc39 numerator\* Individual records may appear more than once in the numerator |

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| **Pilot Indicators** |
| **Mnemonic** | **Description** | **Denominator** | **Numerator** |
| hc44 | Pneumococcal vaccination age 65 and greater | Includes all cases except:* The patient is terminally ill
* the patient’s age as of 1/1/16 is <65
* **there is documentation the patient refused the PCV13 and the PPSV23 vaccination or there was no documentation the patient received the PCV13 or the PPSV23 vaccination AND there is documentation that the patient had a severe allergic reaction to a PCV13 component AND a PPSV23 component**
 | **Cases included in the denominator will pass if:*** **the patient received the PCV13 pneumococcal vaccination from VHA or in the private sector as an inpatient or outpatient**

**OR*** **the patient received the PPSV23 pneumococcal vaccination from VHA or in the private sector as an inpatient or outpatient**
 |
| hc45 | Pneumococcal vaccination refused | Includes all cases except:* The patient is terminally ill
* the patient’s age as of 1/1/16 is <65
* **there is documentation the patient refused the PCV13 and the PPSV23 vaccination or there was no documentation the patient received the PCV13 or the PPSV23 vaccination AND there is documentation that the patient had a severe allergic reaction to a PCV13 component AND a PPSV23 component**
 | The numerator includes:* The number of cases that did not have documentation of a severe allergic reaction to to a PCV13 component AND a PPSV23 componen**t** AND there is documentation that the patient refused the PVC13 pneumococcal vaccination AND the PPSV23 pneumococcal vaccination
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| **Pilot Indicators** |
| **Mnemonic** | **Description** | **Denominator** | **Numerator** |
| hc46 | Influenza Vaccination age 18-64 | **Includes all cases except:*** **The patient is terminally ill**
* **The study begin date is <4/1/2017**
* **The patient’s age as of 7/1/16 is <18 or >64**
* **those whose only visit during immunization period preceded availability of the vaccine are excluded**
 | **Cases included in the denominator will pass if:*** **influenza immunization was given at this VAMC, another VAMC, or in the private sector during the current influenza immunization season**
* **If there is documentation of allergy to eggs or other flu vaccine components, a history of Guillain-Barre Syndrome, or a bone marrow transplant within the past 12 months the case will be excluded if the patient refused or did not receive the influenza immunization during the current immunization season**
 |
| hc47 | Influenza Vaccination age 65 and greater | **Includes all cases except:*** **The patient is terminally ill**
* **The study begin date is <4/1/2017**
* **The patient’s age as of 7/1/16 is <65**
* **those whose only visit during immunization period preceded availability of the vaccine are excluded**
 | **Cases included in the denominator will pass if:*** **influenza immunization was given at this VAMC, another VAMC, or in the private sector during the current influenza immunization season**
* **If there is documentation of allergy to eggs or other flu vaccine components, a history of Guillain-Barre Syndrome, or a bone marrow transplant within the past 12 months the case will be excluded if the patient refused or did not receive the influenza immunization during the current immunization season**
 |
| hc48 | Influenza Vaccination refused | **Includes all cases except:*** **The patient is terminally ill**
* **The study begin date is <4/1/2017**
* **The patient’s age as of 7/1/16 is <18**
* **those 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 allergy to eggs or other flu vaccine components, 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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|  | **Oxygen Safety Education Components (Informational Only)** |  |  |
| **Mnemonic** | **Description** | **Denominator** | **Numerator** |
| hc36a | Findings of the oxygen safety risk assessment | * Number of cases in denominator of hc36
 | * 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 | * Number of cases in denominator of hc36
 | * 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 | * Number of cases in denominator of hc36
 | * 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 | * Number of cases in denominator of hc36
 | * The number of cases with documentation that the patient was educated and informed about precautions that can prevent fire-related injuries
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|  | **Medication Education Components (Informational Only)** |  |
| **Mnemonic** | **Description** | **Denominator** | **Numerator** |
| hc37a | Medication name and reason for use | Number of cases in denominator of hc37 | The number of cases that documented education on a new medication was provided within 10 days prior to or10 days after the date of the most recent HBPC face to face or telephone encounter when medication reconciliation was performed by a physician/APN/PA, pharmacist, RN, or LPN and the education included medication name and reason for use |
| hc37b | How to administer the medication and how often/when to take it | Number of cases in denominator of hc37 | The number of cases that documented education on the new medication was provided within 10 days prior to or10 days after the date of the most recent HBPC face to face or telephone encounter when medication reconciliation was performed by a physician/APN/PA, pharmacist, RN, or LPN and the education included how to administer the medication and how often to take it |
| hc37c | Potential side effects | Number of cases in denominator of hc37 | The number of cases that documented education on the new medication was provided within 10 days prior to or10 days after the date of the most recent HBPC face to face or telephone encounter when medication reconciliation was performed by a physician/APN/PA, pharmacist, RN, or LPN and the education included potential side effects |
| hc37d | How to monitor the response to the medication | Number of cases in denominator of hc37 | The number of cases that documented education on the new medication was provided within 10 days prior to or10 days after the date of the most recent HBPC face to face or telephone encounter when medication reconciliation was performed by a physician/APN/PA, pharmacist, RN, or LPN and the education included how to monitor the response to the medication |