This form contains the information submitted by measure developers/stewards, organized according to NQF's measure evaluation criteria and process. The evaluation criteria, evaluation guidance documents, and a blank online submission form are available on the submitting standards web page.

**NATIONAL QUALITY FORUM**

**Measure Submission and Evaluation Worksheet 5.0**

This form contains the information submitted by measure developers/stewards, organized according to NQF's measure evaluation criteria and process. The evaluation criteria, evaluation guidance documents, and a blank online submission form are available on the submitting standards web page.

**BRIEF MEASURE INFORMATION**

**De.1 Measure Title:** Pressure Ulcer Risk Assessment Conducted

**Co.1.1 Measure Steward:** Centers for Medicare and Medicaid Services

**De.2 Brief Description of Measure:** Percentage of home health episodes of care in which the patient was assessed for risk of developing pressure ulcers at start/resumption of care.

**2a1.1 Numerator Statement:** Number of home health episodes of care in which the patient was assessed for risk of developing pressure ulcers either via an evaluation of clinical factors or using a standardized tool, at start/resumption of care.

**2a1.4 Denominator Statement:** Number of home health episodes of care ending during the reporting period, other than those covered by generic exclusions.

**2a1.8 Denominator Exclusions:** Measure Specific Exclusions: None

**1.1 Measure Type:** Process

**2a1.25-26 Data Source:** Electronic Clinical Data

**2a1.33 Level of Analysis:** Facility

**1.2-1.4 Is this measure paired with another measure?** No

**De.3 If included in a composite, please identify the composite measure (title and NQF number if endorsed):**

N/A

**STAFF NOTES** *(issues or questions regarding any criteria)*

**Comments on Conditions for Consideration:**

**Is the measure untested?** Yes ☐ No ☐ If untested, explain how it meets criteria for consideration for time-limited endorsement:

1a. Specific national health goal/priority identified by DHHS or NPP addressed by the measure *(check De.5):*

5. Similar/related **endorsed** or submitted measures *(check 5.1):*

**Other Criteria:**

Staff Reviewer Name(s):

**1. IMPACT, OPPORTUNITY, EVIDENCE - IMPORTANCE TO MEASURE AND REPORT**

Importance to Measure and Report is a threshold criterion that must be met in order to recommend a measure for endorsement. All three subcriteria must be met to pass this criterion. See guidance on evidence.

**Measures must be judged to be important to measure and report in order to be evaluated against the remaining criteria.** *(evaluation criteria)*
1a. High Impact: 

(Select one: H, M, L, I, NA)

(The measure directly addresses a specific national health goal/priority identified by DHHS or NPP, or some other high impact aspect of healthcare.)

1a.1 Demonstrated High Impact Aspect of Healthcare: Patient/societal consequences of poor quality, Severity of illness

1a.2 If “Other,” please describe:

1a.3 Summary of Evidence of High Impact (Provide epidemiologic or resource use data):

According to unpublished data from the national population of home health care patients, pressure ulcers are relatively rare with a 5% or lower prevalence, although other studies identify a 9% prevalence rate (1). Bergquist & Frantz (2) report a 6.3% incidence rate during home health care stays. Ferrell et al. (1) identified 30% of home health care patients as being at risk for pressure ulcer development based on use of the Braden scale to predict risk.

One study focused on pressure ulcer prevention in home health care identifies evidence of potentially poor quality of care: Bergquist identified that only one third of the 128 agencies surveyed in four Midwestern states had agency policies for prediction and/or prevention and fewer than 20% of agencies identified prevention recommendations in a protocol to be used by clinical staff (3).

However, pressure ulcers are a national focus, are widely seen as preventable with sufficient risk assessment and quality care provision, and there is interest in linking the processes of care with payment (4). A large multi-country systematic review of the literature identified that pressure ulcers have substantial adverse impact on patient quality of life (5) and have a predictive risk with mortality (6). Thus, pressure ulcer prevention in the plan of care is important for measurement and public reporting.


1b. Opportunity for Improvement: 

(Select one: H, M, L, I, NA)

(There is a demonstrated performance gap - variability or overall less than optimal performance)

1b.1 Briefly explain the benefits (improvements in quality) envisioned by use of this measure:

As noted above, studies have demonstrated that while pressure ulcers may be relatively rare, they have a substantial adverse impact on patient quality of life and have a predictive risk with mortality. They are a national focus because they are widely seen as preventable with sufficient risk assessment and quality care provision. This measure is envisioned to encourage agencies to provide pressure ulcer risk assessment to all patients, which could significantly reduce the incidence of pressure ulcers in the home health care patient population. Additionally, this measure would provide home health agencies and consumers with information that will enable them to monitor the quality of care received by all patients at risk of developing pressure ulcers.

TEP Comments:

In December 2010, a Technical Expert Panel (TEP) was convened to review the analysis conducted on the home health measures that received NQF time-limited endorsement. The TEP was asked to rate the measure importance (is the measurement and reporting important for making significant gains in health care quality). Members noted that variation in this measure was not high, but they also indicated that pressure ulcer risk assessment is necessary for ensuring a minimum threshold of quality in the home health care setting. The majority of TEP members rated the measure as partially or completely meeting the criterion for importance.

1b.2 Summary of Data Demonstrating Performance Gap (Variation or overall less than optimal performance across providers):
For Maintenance – Descriptive statistics for performance results for this measure - distribution of scores for measured entities by quartile/decile, mean, median, SD, min, max, etc.]

Agency Avg 91%
Std. Dev 14%
Skew -2.90
Min 0%
10th 76%
25th 89%
50th 96%
75th 99%
90th 100%
Max 100%

1b.3 Citations for Data on Performance Gap: [For Maintenance – Description of the data or sample for measure results reported in 1b.2 including number of measured entities; number of patients; dates of data; if a sample, characteristics of the entities included]

OASIS-C data from Medicare certified agencies with at least 10 quality episodes to which the measure applies. 90% of agencies (9,069) met the ten episode threshold for this measure. The measure applied to 99.8% of all quality episodes (2.88 million out of 2.89 million). As less than 12 months of data were available for testing, we relaxed the public reporting constraint of 20 episodes per agency in 12 months to 10 episodes per agency in 9 months.

1b.4 Summary of Data on Disparities by Population Group: [For Maintenance – Descriptive statistics for performance results for this measure by population group]

Descriptive statistics of measure scores (distribution by race, age and gender)

<table>
<thead>
<tr>
<th>Observed Rate (Numerator/Denominator) by Patient Race</th>
<th>White</th>
<th>Black</th>
<th>Hispanic</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>96%</td>
<td>94%</td>
<td>91%</td>
<td>94%</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Observed Rate (Numerator/Denominator) by Patient Age</th>
<th>&lt;65</th>
<th>65-75</th>
<th>75-85</th>
<th>85+</th>
</tr>
</thead>
<tbody>
<tr>
<td>94%</td>
<td>65%</td>
<td>75%</td>
<td>85%</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Observed Rate (Numerator/Denominator) by Patient Gender</th>
<th>Male</th>
<th>Female</th>
</tr>
</thead>
<tbody>
<tr>
<td>95%</td>
<td>95%</td>
<td></td>
</tr>
</tbody>
</table>

Some potential disparities in race/ethnicity were identified in our analysis. Because these are small numbers over a short time period, we propose evaluating whether this trend continues before considering stratification.

There is no home health care-specific evidence of care disparities for pressure ulcer risk assessment in the literature. While there is some evidence that pressure ulcer risk is higher among African Americans and American Indians in a prevalence study within rehabilitation hospitals (1), there is insufficient evidence of racial and ethnic disparities in the literature to support stratification or other approaches to specification and analysis at this time.


1b.5 Citations for Data on Disparities Cited in 1b.4: [For Maintenance – Description of the data or sample for measure results reported in 1b.4 including number of measured entities; number of patients; dates of data; if a sample, characteristics of the entities included]

OASIS-C data from Medicare certified agencies with at least 10 quality episodes to which the measure applies. 90% of agencies (9,069) met the ten episode threshold for this measure. The measure applied to 99.8% of all quality episodes (2.88 million out of 2.89 million). As less than 12 months of data were available for testing, we relaxed the public reporting constraint of 20 episodes per agency in 12 months to 10 episodes per agency in 9 months.

1c. Evidence (Measure focus is a health outcome OR meets the criteria for quantity, quality, consistency of the body of evidence.)
1c.1 **Structure-Process-Outcome Relationship** (Briefly state the measure focus, e.g., health outcome, intermediate clinical outcome, process, structure; then identify the appropriate links, e.g., structure-process-health outcome; process-health outcome; intermediate clinical outcome-health outcome):

The measure is a process measure. It is based on national (e.g. National Pressure Ulcer Advisory Panel) and international standards for processes of care that identify those persons at highest risk and recommend risk preventive and treatment strategies. There is a very limited body of research focused on home health care patients and agency processes of care (noted below). However, the processes of care standards are applicable to home health care and performance of the processes of care as recommended in the clinical practice guidelines (as cited below) should result in fewer home health care patients with pressure ulcers.

1c.2-3 **Type of Evidence** (Check all that apply):
- Clinical Practice Guideline
- Selected individual studies (rather than entire body of evidence)

1c.4 **Directness of Evidence to the Specified Measure** (State the central topic, population, and outcomes addressed in the body of evidence and identify any differences from the measure focus and measure target population):

Two types of evidence are being reported here: individual research studies and clinical practice guidelines. Individual research studies specific to home health care are sparse in number and generally employ descriptive-correlational designs. Intervention studies, determined to not be relevant, include patient-specific treatment interventions (e.g. negative pressure wound therapy) or evaluations and studies focused on the home health care provider (e.g. increasing nurse knowledge). Two studies are being reported here (1;2): The central topic is prevalence and incidence of pressure ulcers in home health care patients. The population is home health care patients from one (Bergquist) to 41 home health care agencies (Ferrell), representing 1711 and 3048 patients, respectively. The primary outcomes were the incidence and prevalence of pressure ulcers, respectively. Each study also identified predictive factors for the development of pressure ulcers. Bergquist identified incidence of 3.2% of stage II through IV ulcers. Ferrell identified a 9% prevalence rate with 40% having a stage II and 27% having stage III or IV ulcers. In both studies, the Braden scale was used for assessment of risk.

**Bergquist 1999**

OBJECTIVES: To determine the prevalence and incidence of pressure ulcers in community-based adults receiving home health care and to identify risk factors for incident Stage II to IV pressure ulcers. DESIGN: Retrospective cohort study. SETTING: A large midwestern urban home health care agency. PATIENTS: The study cohort was 1711 nonhospice, nonintravenous therapy subjects admitted between January 1995 and March 1996 who were > or = age 60 and pressure ulcer-free on admission. MEASUREMENTS: Data on risk factors were extracted from admission information. Patient records were followed forward chronologically to the outcomes: pressure ulcer development or no pressure ulcer. MAIN RESULTS: The incidence of Stage II to IV pressure ulcers was 3.2%. Cox regression analyses revealed that limitation in activity to a wheelchair, needing assistance with the activities of daily living--dressing, bowel and/or bladder incontinence, a Braden Scale mobility subscore of very limited, anemia, adult child as primary caregiver, male gender, a recent fracture, oxygen use, and skin drainage predicted pressure ulcer development (P < or = 0.05) in this exploratory model. CONCLUSIONS: Patients > or = age 60 who are admitted to a home health care agency with 1 or more of these risk factors require close monitoring for pressure ulcer development and should be taught preventive interventions on admission.

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| Is the measure focus a health outcome? | Yes | No | If not a health outcome, rate the body of evidence.
|--------------------------------------|-----|----|---------------------------------
| Quantity: H | M | L | I |
| Quality: H | M | L | I |
| Consistency: H | M | L | I |
| Does the measure pass subcriterion 1c? | Yes | IF additional research unlikely to change conclusion that benefits to patients outweigh harms: otherwise No |
| Health outcome – rationale supports relationship to at least one healthcare structure, process, intervention, or service | Yes | IF rationale supports relationship | No |

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See Guidance for Definitions of Rating Scale: H=High; M=Moderate; L=Low; I=Insufficient; NA=Not Applicable
Ferrell 2000

CONTEXT: Pressure ulcers are an understudied problem in home care. OBJECTIVE: To determine the prevalence of pressure ulcers among patients admitted to home care services, describe the demographic and health characteristics associated with pressure ulcers in this setting, and identify the percentage of these patients at risk for developing pressure ulcers. DESIGN: Cross-sectional survey of patients on admission to home care agencies. SETTING: Forty-one home care agencies in 14 states. PATIENTS: A consecutive sample of 3,048 patients admitted March 1 through April 30, 1996 (86% of all admissions). Subjects had a mean age of 75 years; 63% were female and 85% white. MAIN OUTCOME MEASURES: Demographic, social, and clinical characteristics, functional status (Katz activities of daily living scale and Lawton instrumental activities of daily living scale), mental status (Katzman Short Memory-Orientation-Concentration test), pressure ulcer risk (Braden Scale), pressure ulcer status (Bates-Jensen Pressure Ulcer Status Tool), and a checklist of pressure-reducing devices and wound care products being used. RESULTS: In the total sample of 3,048 patients, 9.12% had pressure injuries: 37.4% had more than one ulcer and 14.0% had three or more ulcers. Considering the worst ulcer for each subject, 40.3% had Stage II and 27% had Stage III or IV injuries. Characteristics associated with pressure ulcers included recent institutional discharge, functional impairment, incontinence, and having had a previous ulcer. About 30% of subjects were at risk for new pressure ulcers. Pressure-relieving devices and other wound care strategies appeared to be underutilized and often indiscriminately applied. CONCLUSIONS: There is substantial need for pressure ulcer prevention and treatment in home care settings.

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Home health Compare reports a national rate of 96% follow through with the process of care measure for pressure ulcer risk assessment.

There are a number of clinical practice guidelines that apply to the assessment of risk and the interventions used in home health care although the guidelines are not home health care specific. These are cited below. There are recommendations for how to tailor institutional guidelines to home health care (3).

1c.5 Quantity of Studies in the Body of Evidence *(Total number of studies, not articles):* Two individual studies are reported above. The CPGs do not indicate the number of studies used to determine the recommendations.

1c.6 Quality of Body of Evidence *(Summarize the certainty or confidence in the estimates of benefits and harms to patients across studies in the body of evidence resulting from study factors. Please address: a) study design/flaws; b) directness/indirectness of the evidence to this measure (e.g., interventions, comparisons, outcomes assessed, population included in the evidence); and c) imprecision/wide confidence intervals due to few patients or events):* As the two studies cited use descriptive-correlational designs, the incidence and prevalence rates are relatively certain. Study designs and flaws would be those associated with incidence and prevalence studies, including reporting bias and under-reporting. The populations are specific to home health care and thus directly applicable. The concern is the time frame of the studies (published in 1999 and 2000), although these are the most recent studies of this nature specific to home health care. There were large numbers of patients included in both studies so imprecision due to small sample sizes is not as relevant.

1c.7 Consistency of Results across Studies *(Summarize the consistency of the magnitude and direction of the effect):* The results are not consistent but this is not surprising as one measures incidence and one measures prevalence.

1c.8 Net Benefit *(Provide estimates of effect for benefit/outcome; identify harms addressed and estimates of effect; and net benefit - benefit over harms):* Net benefits are not identified as there is no intervention in either study. The CPGs do not provide estimates of benefit/outcome for home health care as they are not home health care specific.

1c.9 Grading of Strength/Quality of the Body of Evidence. Has the body of evidence been graded? *No*

1c.10 If body of evidence graded, identify the entity that graded the evidence including balance of representation and any disclosures regarding bias: *Neither the studies cited nor the CPGs have been graded.*

1c.11 System Used for Grading the Body of Evidence: *Other*

1c.12 If other, identify and describe the grading scale with definitions: *Neither the studies cited nor the CPGs have been graded.*
1c.13 **Grade Assigned to the Body of Evidence:** Neither the studies cited nor the CPGs have been graded.

1c.14 **Summary of Controversy/Contradictory Evidence:** No controversies in the research studies were identified. The CPGs are generally consistent in the importance of risk assessment with differences focused on the interventions. There are no controversies in the interventions per se, but some CPGs identify interventions that others do not.

The National Guideline Clearinghouse provides two evidence syntheses—one for the prevention of pressure ulcers and one for the management of pressure ulcers. In the evidence syntheses, two CPGs are compared from different organizations. There are no significant differences in the guidelines for assessment and prevention recommendations. For management of pressure ulcers, the differences are in the recommendations regarding adjunctive therapies (e.g. hyperbaric oxygen) versus the primary treatment modalities for which there is agreement.

1c.15 **Citations for Evidence other than Guidelines (Guidelines addressed below):**


1c.16 **Quote verbatim, the specific guideline recommendation (Including guideline # and/or page #):**

The guidelines are too extensive to cite verbatim but are cited below.


Registered Nurses’ Association of Ontario (RNAO). Assessment & management of stage I to IV pressure ulcers. Toronto (ON): Registered Nurses’ Association of Ontario (RNAO); 2007 Mar. 112 p. [118 references]


Notes for 1c20and 21:

Other rating systems were used.

Specifically, the following rating systems were used:

NPUPA/EPUPA: Levels 1 Large randomized trial(s) with clear-cut results (and low risk of error) 2 Small randomized trial(s) with uncertain results (and moderate to high risk of error) 3 Non randomized trial(s) with concurrent or contemporaneous controls 4 Non randomized trial(s) with historical controls 5 Case series with no controls. Specify number of subjects

WOCN: Level I: A randomized controlled trial (RCT) that demonstrates a statistically significant difference in at least one important outcome defined by p <.05. Level I trials can conclude that the difference is not statistically significant if the sample size is adequate.
to exclude a 25% difference among study arms with 80% power; Level II: A RCT that does not meet Level I criteria; Level III: A non-randomized controlled trial with contemporaneous controls selected by some systematic method. A control might have been selected because of its perceived suitability as a treatment option for an individual patient; Level IV: A before-and-after study or a case series of at least 10 patients using historical controls or controls drawn from other studies; Level V: A case series of at least 10 patients with no controls; Level VI: A case report of fewer than 10 patients.

ICSI used the following: Class A: Randomized, controlled trial; Class B: Cohort study; Class C: Non-randomized trial with concurrent or historical controls, Case-control study, Study of sensitivity and specificity of a diagnostic test, Population-based descriptive study; Class D: Cross-sectional study, Case series, Case report.

Class B: Reports that Synthesize or Reflect upon Collections of Primary Reports Class M: Meta-analysis, Systematic review, Decision analysis, Cost-effectiveness analysis; Class R: Consensus statement, Consensus report, Narrative review; Class X: Medical opinion

RNAO used the following scale: Ia: Evidence obtained from meta-analysis or systematic review of randomized controlled trials; Ib: Evidence obtained from at least one randomized controlled trial; Iia: Evidence obtained from at least one well-designed controlled study without randomization; IIb: Evidence obtained from at least one other type of well-designed quasi-experimental study without randomization; III: Evidence obtained from well-designed non-experimental descriptive studies, such as comparative studies, correlation studies and case studies; IV: Evidence obtained from expert committee reports or opinions and/or clinical experiences of respected authorities


1c.18 National Guideline Clearinghouse or other URL: All from the National Guideline Clearinghouse; these are the most appropriate and most rigorous guidelines.

1c.19 Grading of Strength of Guideline Recommendation. Has the recommendation been graded? Yes

1c.20 If guideline recommendation graded, identify the entity that graded the evidence including balance of representation and any disclosures regarding bias: see 1c17

1c.21 System Used for Grading the Strength of Guideline Recommendation: Other

1c.22 If other, identify and describe the grading scale with definitions: As we are not citing the specific recommendations and each group used a different rating system, we are not citing the grades. The grades vary within each guideline based on the evidence available, ranging from consensus agreement by experts to RCTs with large sample sizes and strong scientific rigor.

1c.23 Grade Assigned to the Recommendation: see 1c.22

1c.24 Rationale for Using this Guideline Over Others: We do not recommend using one guideline over others as the CPGs included are sufficiently detailed to provide guidance to home health care agencies in the care of patients and there are not great differences in the rigor of the CPGs.

Notes for 1c25 - 26:
Quantity - High quantities of studies generally included in each CPG Quality - Moderate quality of the studies used to develop each guideline—there are common problems with insufficient sample sizes, lack of randomization or the use of single sites for the studies. Many of the recommendations rely on expert opinion because there is insufficient research to use for some of the recommendations. Additionally, few of the studies are focused on home health care patients although the recommendations apply to home health care patients.
Consistency - Very consistent for prevention and assessment recommendations.

Based on the NQF descriptions for rating the evidence, what was the developer’s assessment of the quantity, quality, and consistency of the body of evidence?
1c.25 Quantity: **High**   
1c.26 Quality: **Moderate**   
1c.27 Consistency: **High**   
1c.28 Attach evidence submission form:   
1c.29 Attach appendix for supplemental materials:   

**Was the threshold criterion, Importance to Measure and Report, met?**  
(1a & 1b must be rated moderate or high and 1c yes)  
Yes [ ] No [ ]   
Provide rationale based on specific subcriteria:   

**For a new measure if the Committee votes NO, then STOP.**  
For a measure undergoing endorsement maintenance, if the Committee votes NO because of 1b. (no opportunity for improvement), it may be considered for continued endorsement and all criteria need to be evaluated.

### 2. RELIABILITY & VALIDITY - SCIENTIFIC ACCEPTABILITY OF MEASURE PROPERTIES

**Extent to which the measure, as specified, produces consistent (reliable) and credible (valid) results about the quality of care when implemented. (evaluation criteria)**

Measure testing must demonstrate adequate reliability and validity in order to be recommended for endorsement. Testing may be conducted for data elements and/or the computed measure score. Testing information and results should be entered in the appropriate field. Supplemental materials may be referenced or attached in item 2.1. See guidance on measure testing.

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Provide evidence submission form:</td>
</tr>
<tr>
<td></td>
<td>Attach appendix for supplemental materials:</td>
</tr>
</tbody>
</table>

#### 2a. RELIABILITY. Precise Specifications and Reliability Testing:  
H [ ] M [ ] L [ ] I [ ]

2a.1 Numerator Statement *(Brief, narrative description of the measure focus or what is being measured about the target population, e.g., cases from the target population with the target process, condition, event, or outcome):*

Number of home health episodes of care in which the patient was assessed for risk of developing pressure ulcers either via an evaluation of clinical factors or using a standardized tool, at start/resumption of care.

2a.2 Numerator Time Window *(The time period in which the target process, condition, event, or outcome is eligible for inclusion):*

CMS systems report data on episodes that end within a rolling 12 month period, updated quarterly.

2a.3 Numerator Details *(All information required to identify and calculate the cases from the target population with the target process, condition, event, or outcome such as definitions, codes with descriptors, and/or specific data collection items/responses):*

Number of home health patient episodes of care where at start of episode:  
- (M1300) Pressure Ulcer Risk Assessment conducted = 1 (yes-clinical factors) or 2 (yes-standardized tool)

2a.4 Denominator Statement *(Brief, narrative description of the target population being measured):*

Number of home health episodes of care ending during the reporting period, other than those covered by generic exclusions.

2a.5 Target Population Category *(Check all the populations for which the measure is specified and tested if any):*  
Adult/Elderly Care

2a.6 Denominator Time Window *(The time period in which cases are eligible for inclusion):*

CMS systems report data on episodes that end within a rolling 12 month period, updated quarterly.

2a.7 Denominator Details *(All information required to identify and calculate the target population/denominator such as definitions, codes with descriptors, and/or specific data collection items/responses):*

Number of home health patient episodes of care, defined as:  
A start/resumption of care assessment ((M0100) Reason for Assessment = 1 (Start of care) or 3 (Resumption of care)) paired with a corresponding discharge/transfer assessment ((M0100) Reason for Assessment = 6 (Transfer to inpatient facility – not
discharged), 7 (Transfer to inpatient facility – discharged), 8 (Death at home), or 9 (Discharge from agency)), other than those covered by denominator exclusions.

2a1.8 Denominator Exclusions *(Brief narrative description of exclusions from the target population)*: Measure Specific Exclusions: None

2a1.9 Denominator Exclusion Details *(All information required to identify and calculate exclusions from the denominator such as definitions, codes with descriptors, and/or specific data collection items/responses)*: Measure Specific Exclusions: None

Generic Exclusions: Medicare-certified home health agencies are currently required to collect and submit OASIS data only for adult (aged 18 and over) non-maternity Medicare and Medicaid patients who are receiving skilled home health care. Therefore, maternity patients, patients less than 18 years of age, non-Medicare/Medicaid patients, and patients who are not receiving skilled home services are all excluded from the measure calculation. However, the OASIS items and related measures could potentially be used for other adult patients receiving services in a community setting, ideally with further testing. The publicly-reported data on CMS’ Home Health Compare web site also repress cells with fewer than 20 observations, and reports for home health agencies in operation less than six months.

2a1.10 Stratification Details/Variables *(All information required to stratify the measure results including the stratification variables, codes with descriptors, definitions, and/or specific data collection items/responses)*: N/A

2a1.11 Risk Adjustment Type *(Select type. Provide specifications for risk stratification in 2a1.10 and for statistical model in 2a1.13)*: No risk adjustment or risk stratification 2a1.12 If “Other,” please describe:

2a1.13 Statistical Risk Model and Variables *(Name the statistical method - e.g., logistic regression and list all the risk factor variables. Note - risk model development should be addressed in 2b4.)*: N/A

2a1.14-16 Detailed Risk Model Available at Web page URL *(or attachment). Include coefficients, equations, codes with descriptors, definitions, and/or specific data collection items/responses. Attach documents only if they are not available on a webpage and keep attached file to 5 MB or less. NQF strongly prefers you make documents available at a Web page URL. Please supply login/password if needed:*

2a1.17-18. Type of Score: Rate/proportion

2a1.19 Interpretation of Score *(Classifies interpretation of score according to whether better quality is associated with a higher score, a lower score, a score falling within a defined interval, or a passing score)*: Better quality = Higher score

2a1.20 Calculation Algorithm/Measure Logic *(Describe the calculation of the measure score as an ordered sequence of steps including identifying the target population; exclusions; cases meeting the target process, condition, event, or outcome; aggregating data; risk adjustment; etc.)*: Calculation algorithm available in the Technical Specifications at:


2a1.24 Sampling (Survey) Methodology. If measure is based on a sample (or survey), provide instructions for obtaining the sample, conducting the survey and guidance on minimum sample size (response rate):
Not applicable, completion of OASIS-C assessments is mandated by CMS and all completed assessments are used to calculate measure.

<table>
<thead>
<tr>
<th>2a1.25 Data Source</th>
<th>Check all the sources for which the measure is specified and tested. If other, please describe:</th>
<th>Electronic Clinical Data</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>2a1.26 Data Source/Data Collection Instrument</th>
<th>Identify the specific data source/data collection instrument, e.g. name of database, clinical registry, collection instrument, etc.:</th>
<th>OASIS-C instrument</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>2a1.27-29 Data Source/data Collection Instrument Reference Web Page URL or Attachment:</th>
<th>URL</th>
</tr>
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</table>

<table>
<thead>
<tr>
<th>2a1.30-32 Data Dictionary/Code Table Web Page URL or Attachment:</th>
<th>URL</th>
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<table>
<thead>
<tr>
<th>2a1.33 Level of Analysis</th>
<th>Check the levels of analysis for which the measure is specified and tested:</th>
<th>Facility</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>2a1.34-35 Care Setting</th>
<th>Check all the settings for which the measure is specified and tested:</th>
<th>Home Health</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>2a2. Reliability Testing.</th>
<th>Reliability testing was conducted with appropriate method, scope, and adequate demonstration of reliability.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>2a2.1 Data/Sample</th>
<th>Description of the data or sample including number of measured entities; number of patients; dates of data; if a sample, characteristics of the entities included:</th>
</tr>
</thead>
<tbody>
<tr>
<td>All agencies with at least 20 quality episodes beginning and ending between 1/1/2010 and 12/31/2010 were included in the reliability analysis, because only information for agencies with at least 20 episodes is publicly reported. Of these, 9.048 agencies met the threshold for this measure. For the national analysis, a beta-binomial distribution was fitted using all agencies. For the HHR (hospital referral region) analysis described below, separate beta-binomials were fitted for each of 306 HHRs, using only those agencies in the HHR. It is worth noting that even the agencies that are in HRRs with only two agencies have high reliability scores, because these small HRR agencies tend to service many episodes relative to the rest of the country.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2a2.2 Analytic Method</th>
<th>Describe method of reliability testing &amp; rationale:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Based on guidance received from NQF in April 2011, we conducted additional reliability analysis of this measure using the beta-binomial method described in “The Reliability of Provider Profiling: A Tutorial” by John L. Adams. The beta-binomial method was developed for provider level measures reported as rates, and it allows one to calculate an agency level “reliability score,” interpreted as the percent of variance due to the difference in measure score among providers. Thus, a reliability score of .80 signifies that 80% of the variance is due to differences among providers, and 20% of the variance is due to measurement error or sampling uncertainty. A high reliability score implies that performance on a measure is unlikely to be due to measurement error or insufficient sample size, but rather due to true differences between the agency and other agencies. Each agency receives an agency specific reliability score which depends on both agency size, agency performance on the measure, and measure variance for the relevant comparison group of agencies. In addition to calculating reliability scores at the national level, we also calculated agency reliability scores at the level of hospital referral regions (HRRs), because the HRR grouping more adequately captures the types of comparisons health care consumers are likely to make. HRRs are region designations determined in the Dartmouth Atlas of Health Care study, and they represent regional health care markets for tertiary medical care that generally requires the service of a major referral center. They are aggregated hospital service areas (HSAs) and thus aggregated local health care markets. The HRRs are used to determine categories of sufficient size to make comparisons while still capturing the local set of HHA choices available to a beneficiary.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2a2.3 Testing Results</th>
<th>Reliability statistics, assessment of adequacy in the context of norms for the test conducted:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distribution of Within National Reliability Scores</td>
<td></td>
</tr>
<tr>
<td>Mean 0.953</td>
<td>Min 0.511</td>
</tr>
</tbody>
</table>
The distribution of national reliability scores (percent of variance due to the difference in measure score among providers at the national level) shows that at least 75% of agencies have a reliability score greater than 0.948, implying that their performance can likely be distinguished from other agencies (i.e., performance on this measure is unlikely to be due to measurement error or insufficient sample size, but is instead due to true differences between the agency and other agencies as it substantially exceeds within agency variation).

Distribution of Within HHR Reliability Scores
Mean 0.939
Min 0.077
10th 0.817
25th 0.930
50th 0.983
75th 0.998
90th 1.000
Max 1.00

The distribution of HRR reliability scores (percent of variance due to the difference in measure score among providers at the HRR level) shows that at least 75% of agencies have a reliability score greater than 0.930, suggesting that between agency variation substantially exceeds within agency variation.

2b. VALIDITY. Validity, Testing, including all Threats to Validity
2b1.1 Describe how the measure specifications (measure focus, target population, and exclusions) are consistent with the evidence cited in support of the measure focus (criterion 1c) and identify any differences from the evidence:
The measure focus is pressure ulcer risk assessment of home health patients and is consistent with national (e.g. National Pressure Ulcer Advisory Panel) and international standards for processes of care that identify those persons at highest risk and recommend risk preventive and treatment strategies. The target population and exclusions are based primarily on limitations related to data collection on the home health population.

2b2. Validity Testing. (Validity testing was conducted with appropriate method, scope, and adequate demonstration of validity.)
2b2.1 Data/Sample (Description of the data or sample including number of measured entities; number of patients; dates of data; if a sample, characteristics of the entities included):
OASIS-C quality episodes from 1/1/2010 – 9/30/2010 for all beneficiaries at Medicare Certified agencies. A 20% sample (about 500,000 episodes), chosen at random, was used to identify patient characteristics correlated to outcomes. A different 20% sample was used to validate the predictive models.

2b2.2 Analytic Method (Describe method of validity testing and rationale; if face validity, describe systematic assessment):
Relationship between process and observed outcomes:
Two outcome measures that could potentially be clinically related to each measure were selected from measures that are currently calculated as part of the Outcome-based Quality Improvement (OBQI) and Potentially Avoidable Event (PAE) home health reports. Acute Care Hospitalization (ACH) and Increase in Number of Pressure Ulcers were initially identified as potentially clinically related to the pressure ulcer measures. Acute care hospitalization, as an outcome, would be expected to be associated with “pressure ulcer risk assessment conducted” as a pressure ulcer risk assessment identifies mobility and nutritional issues that also place patients at risk for acute care hospitalization. Increase in number of pressure ulcers, as an outcome, would be expected to be associated with “pressure ulcer risk assessment conducted” as the risk assessment identifies those patients requiring focused interventions to reduce the likelihood of pressure ulcer development.
For both of the identified measures, preliminary prediction models using most the Agency Patient-Related Characteristic Report variables except race were developed. A bivariate relationship (95% confidence interval using logistic regression) and the relationship between the TLE PBQI measure and the preliminary risk adjusted target outcome measure (95% confidence interval using logistic regression) were computed. A bivariate relationship (95% confidence interval using logistic regression) and the
relationship between the TLE PBQI measure and the preliminary risk adjusted target outcome measure (95% confidence interval using logistic regression) were computed. Predictive validity analysis was conducted at the individual quality episode level. Odds ratios for both a bivariate relationship between the process and outcome and for the multivariate relationship between the process, patient risk-factors, and the outcome were reported.

Face validity assessment:
In December 2010, a Technical Expert Panel (TEP) was convened to review the analysis conducted on the home health measures that received NQF time limited endorsement, and asked to rate face validity.

2b2.3 Testing Results *(Statistical results, assessment of adequacy in the context of norms for the test conducted; if face validity, describe results of systematic assessment):*

The predictive validity analysis did not demonstrate the expected relationship between the Pressure Ulcer Risk Assessment Conducted measure and the tested outcome and PAE measures. Members of the Technical Expert Panel convened to review the measures in December 2010 noted that outcomes collected via the OASIS assessment could not reasonably be expected to respond to superior agency performance on this measure due to the limited period of care home health patients typically receive, and the intervals at which the data are collected. Predictive validity might also be limited due to the small numbers of patients in home health care who have pressure ulcers (< 5%).

When asked to rate face validity (the extent to which the measure reflects the quality of care for the specific topic and whether the measure focus is the most important aspect of quality for the specific topic), the majority of TEP members (9 of 13) rated the measure as partially or completely meeting the criteria.

**POTENTIAL THREATS TO VALIDITY. (All potential threats to validity were appropriately tested with adequate results.)**

2b3. Measure Exclusions. *(Exclusions were supported by the clinical evidence in 1c or appropriately tested with results demonstrating the need to specify them.)*

2b3.1 Data/Sample for analysis of exclusions *(Description of the data or sample including number of measured entities; number of patients; dates of data; if a sample, characteristics of the entities included):*

Measure-Specific Exclusions: There are no measure-specific exclusions for this measure.

Generic Exclusions: As noted in the Denominator Exclusion Details, OASIS data are only collected for particular types of patients. The exclusion of patients who are omitted from OASIS data collection (e.g., those who are non-Medicare/Medicaid, under 18, receiving maternity-related or non-skilled services only) is not based on research evidence but because the measure cannot be calculated due to data limitations.

2b3.2 Analytic Method *(Describe type of analysis and rationale for examining exclusions, including exclusion related to patient preference):*

N/A - there are no measure specific exclusions.

2b3.3 Results *(Provide statistical results for analysis of exclusions, e.g., frequency, variability, sensitivity analyses):*

N/A - there are no measure specific exclusions.

2b4. Risk Adjustment Strategy. *(For outcome measures, adjustment for differences in case mix (severity) across measured entities was appropriately tested with adequate results.)

2b4.1 Data/Sample *(Description of the data or sample including number of measured entities; number of patients; dates of data; if a sample, characteristics of the entities included):*

N/A - process measure

2b4.2 Analytic Method *(Describe methods and rationale for development and testing of risk model or risk stratification including selection of factors/variables):*

N/A - process measure

2b4.3 Testing Results *(Statistical risk model: Provide quantitative assessment of relative contribution of model risk factors; risk model performance metrics including cross-validation discrimination and calibration statistics, calibration curve and risk decile plot, and assessment of adequacy in the context of norms for risk models. Risk stratification: Provide quantitative assessment of*
relationship of risk factors to the outcome and differences in outcomes among the strata):
N/A - process measure

2b4.4 If outcome or resource use measure is not risk adjusted, provide rationale and analyses to justify lack of adjustment: N/A - process measure

<table>
<thead>
<tr>
<th>2b5. Identification of Meaningful Differences in Performance. (The performance measure scores were appropriately analyzed and discriminated meaningful differences in quality.)</th>
</tr>
</thead>
</table>

2b5.1 Data/Sample (Describe the data or sample including number of measured entities; number of patients; dates of data; if a sample, characteristics of the entities included):
OASIS-C data from Medicare certified agencies with at least 10 quality episodes to which the measure applies. 90% of agencies (9,069) met the ten episode threshold for this measure. The measure applied to 99.8% of all quality episodes (2.88 million out of 2.89 million).

2b5.2 Analytic Method (Describe methods and rationale to identify statistically significant and practically/meaningfully differences in performance):
Difference in performance between 90th percentile agency and 10th percentile agency was calculated and reviewed by Technical Expert Panel to identify magnitude of difference that might be considered meaningful.

2b5.3 Results (Provide measure performance results/scores, e.g., distribution by quartile, mean, median, SD, etc.; identification of statistically significant and meaningfully differences in performance):

| Agency Avg | 91% |
| Std. Dev  | 14% |
| Skew      | -2.90 |
| Min       | 0% |
| 10th      | 76% |
| 25th      | 89% |
| 50th      | 96% |
| 75th      | 99% |
| 90th      | 100% |
| Max       | 100% |

Meaningful Difference: 90th - 10th Percentile 24%, Meaningful Difference: 75th - 25th Percentile 10%

<table>
<thead>
<tr>
<th>2b6. Comparability of Multiple Data Sources/Methods. (If specified for more than one data source, the various approaches result in comparable scores.)</th>
</tr>
</thead>
</table>

2b6.1 Data/Sample (Describe the data or sample including number of measured entities; number of patients; dates of data; if a sample, characteristics of the entities included):
N/A - single data source

2b6.2 Analytic Method (Describe methods and rationale for testing comparability of scores produced by the different data sources specified in the measure):
N/A - single data source

2b6.3 Testing Results (Provide statistical results, e.g., correlation statistics, comparison of rankings; assessment of adequacy in the context of norms for the test conducted):
N/A - single data source

2c. Disparities in Care: H M L I NA (If applicable, the measure specifications allow identification of disparities.)

<table>
<thead>
<tr>
<th>2c.1 If measure is stratified for disparities, provide stratified results (Scores by stratified categories/cohorts): N/A - not stratified</th>
</tr>
</thead>
</table>

2c.2 If disparities have been reported/identified (e.g., in 1b), but measure is not specified to detect disparities, please
Some potential disparities in race/ethnicity were identified in our analysis. Because these are small numbers over a short time period, we propose evaluating whether this trend continues before considering stratification.

<table>
<thead>
<tr>
<th>Patient Race</th>
<th>White</th>
<th>Black</th>
<th>Hispanic</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Observed Rate</td>
<td>96%</td>
<td>94%</td>
<td>91%</td>
<td>94%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Patient Age</th>
<th>&lt;65</th>
<th>65-75</th>
<th>75-85</th>
<th>85+</th>
</tr>
</thead>
<tbody>
<tr>
<td>Observed Rate</td>
<td>94%</td>
<td>95%</td>
<td>96%</td>
<td>96%</td>
</tr>
</tbody>
</table>

There is no home health care-specific evidence of care disparities for pressure ulcer risk assessment in the literature. While there is some evidence that pressure ulcer risk is higher among African Americans and American Indians in a prevalence study within rehabilitation hospitals (1), there is insufficient evidence of racial and ethnic disparities in the literature to support stratification or other approaches to specification and analysis at this time.


2.1-2.3 Supplemental Testing Methodology Information:

Steering Committee: Overall, was the criterion, Scientific Acceptability of Measure Properties, met? (Reliability and Validity must be rated moderate or high) Yes ☐ No ☐

Provide rationale based on specific subcriteria:

If the Committee votes No, STOP

3. USABILITY

Extent to which intended audiences (e.g., consumers, purchasers, providers, policy makers) can understand the results of the measure and are likely to find them useful for decision making. (evaluation criteria)

C.1 Intended Actual/Planned Use (Check all the planned uses for which the measure is intended): Public Reporting, Quality Improvement with Benchmarking (external benchmarking to multiple organizations)

3.1 Current Use (Check all that apply; for any that are checked, provide the specific program information in the following questions): Public Reporting, Quality Improvement with Benchmarking (external benchmarking to multiple organizations)

3a. Usefulness for Public Reporting: H ☐ M ☐ L ☐ I ☐

(The measure is meaningful, understandable and useful for public reporting.)

3a.1. Use in Public Reporting - disclosure of performance results to the public at large (If used in a public reporting program, provide name of program(s), locations, Web page URL(s)). If not publicly reported in a national or community program, state the reason AND plans to achieve public reporting, potential reporting programs or commitments, and timeline, e.g., within 3 years of endorsement: [For Maintenance – If not publicly reported, describe progress made toward achieving disclosure of performance results to the public at large and expected date for public reporting; provide rationale why continued endorsement should be considered.]

Medicare Home Health Compare
3a.2 Provide a rationale for why the measure performance results are meaningful, understandable, and useful for public reporting. If usefulness was demonstrated (e.g., focus group, cognitive testing), describe the data, method, and results: The CMS Center for Medicare contracted with L&M Policy Research (L&M) to help ensure that measures on the Home Health Compare (HHC) website are easy to understand and meet the needs of consumers. L&M possesses extensive knowledge of public health care issues and is experienced in qualitative and quantitative research methods and health services management and operations, including health communications. L & M also has plain language experts that are skilled in crafting straightforward language that allows CMS to provide beneficiaries, caregivers, health care professionals, and information intermediaries a better understanding of information on choice tools, such as HHC, which allows for more informed decisions on health related issues. L&M’s work during 2009-2010 with CMS includes an environmental scan of home health public reporting initiatives and a literature review of published and unpublished research relating to consumers’ comprehension and use of home health quality measures. L&M independently convened its external advisory workgroup, comprised of representatives of consumer advocacy organizations, professional associations, quality improvement professionals, and experts in public reporting, to provide guidance on the organization, content, and usability of the home health measures website. For this process measure, the plain language descriptor is: “How often the home health team checked patients for risk of developing pressure sores (bed sores).”

3.2 Use for other Accountability Functions (payment, certification, accreditation). If used in a public accountability program, provide name of program(s), locations, Web page URL(s):

3b. Usefulness for Quality Improvement: □ □ □ □ (The measure is meaningful, understandable and useful for quality improvement.)

3b.1. Use in QI. If used in quality improvement program, provide name of program(s), locations, Web page URL(s): [For Maintenance – If not used for QI, indicate the reasons and describe progress toward using performance results for improvement].

Benchmarked results reported to Medicare HHAs via the Home Health Initiatives program:
https://www.cms.gov/HomeHealthQualityInits/01_Overview.asp#TopOfPage

3b.2. Provide rationale for why the measure performance results are meaningful, understandable, and useful for quality improvement. If usefulness was demonstrated (e.g., QI initiative), describe the data, method and results: Data contained in the Home Health OBQI reports on the proportion of patient care episodes in which a pressure ulcer assessment was conducted provides agencies with a tool to evaluate the quality of their care and investigate how changes to processes of care related to pressure ulcers impact patient outcomes.

Overall, to what extent was the criterion, Usability, met? □ □ □ □
Provide rationale based on specific subcriteria:

4. FEASIBILITY

Extent to which the required data are readily available, retrievable without undue burden, and can be implemented for performance measurement. (evaluation criteria)

4a. Data Generated as a Byproduct of Care Processes: □ □ □ □ (The measure is readily available, retrievable without undue burden, and can be implemented for performance measurement.)

4a.1-2 How are the data elements needed to compute measure scores generated? (Check all that apply).

Data used in the measure are:
Generated by and used by healthcare personnel during the provision of care, e.g., blood pressure, lab value, medical condition,
Coded by someone other than person obtaining original information (e.g., DRG, ICD-9 codes on claims)

4b. Electronic Sources: □ □ □ □ (The data elements needed for the measure are specified available electronically)

4b.1 Are the data elements needed for the measure as specified available electronically (Elements that are needed to compute measure scores are in defined, computer-readable fields): ALL data elements are in a combination of electronic sources

4b.2 If ALL data elements are not from electronic sources, specify a credible, near-term path to electronic capture, OR
provide a rationale for using other than electronic sources:

<table>
<thead>
<tr>
<th>4c. Susceptibility to Inaccuracies, Errors, or Unintended Consequences:</th>
<th>H</th>
<th>M</th>
<th>L</th>
<th>I</th>
</tr>
</thead>
</table>

4c.1 Identify susceptibility to inaccuracies, errors, or unintended consequences of the measurement identified during testing and/or operational use and strategies to prevent, minimize, or detect. If audited, provide results:

Inaccuracies may result either due to confusion on the part of the clinician completing the OASIS or intentionally, to manipulate scores on quality measures. CMS has created and disseminated manuals and training materials to maximize accurate reporting of this data. Data accuracy could be audited through a review of medical records for evidence of the results of pressure ulcer risk assessment.

All home health agencies serving adult, non-maternity Medicare and/or Medicaid patients must submit their OASIS assessment data to their respective state OASIS repository in a standard format. The repository software passes each incoming OASIS assessment record through an extensive set of quality edits. These include internal range and logic checks that assure that assessment items include only allowable values and that they are consistent with each other. When there are significant errors in an assessment, it is not accepted by the repository and the erroneous data are not available to be included in any published quality information. Data accuracy is also supported by the state survey process. Surveyors use OASIS to characterize each agency’s caseload and to select sample patients to be interviewed. They also review and assess the accuracy of the agency’s OASIS assessments. In addition, CMS payment contractors assess the accuracy of a sample of the OASIS assessments as part of their medical review processes. We are unable to provide results of these audit activities as we do not currently have access to the findings of the CMS surveyors, the data repository or CMS contractors regarding OASIS data accuracy.

<table>
<thead>
<tr>
<th>4d. Data Collection Strategy/Implementation:</th>
<th>H</th>
<th>M</th>
<th>L</th>
<th>I</th>
</tr>
</thead>
</table>

A.2 Please check if either of the following apply (regarding proprietary measures):

4d.1 Describe what you have learned/modified as a result of testing and/or operational use of the measure regarding data collection, availability of data, missing data, timing and frequency of data collection, sampling, patient confidentiality, time and cost of data collection, other feasibility/implementation issues (e.g., fees for use of proprietary measures):

OASIS data are collected by the home health agency during the care episode as part of the Conditions of Participation, and transmitted electronically to the state and CMS national OASIS repository. No issues regarding availability of data, missing data, timing or frequency of data collection, patient confidentiality, time or cost of data collection, feasibility or implementation have become apparent since OASIS-C was implemented 1/1/2010.

Overall, to what extent was the criterion, Feasibility, met? H M L I

Provide rationale based on specific subcriteria:

<table>
<thead>
<tr>
<th>OVERALL SUITABILITY FOR ENDORSEMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Does the measure meet all the NQF criteria for endorsement? Yes</td>
</tr>
<tr>
<td>Rationale:</td>
</tr>
</tbody>
</table>

If the Committee votes No, STOP.
If the Committee votes Yes, the final recommendation is contingent on comparison to related and competing measures.

<table>
<thead>
<tr>
<th>5. COMPARISON TO RELATED AND COMPETING MEASURES</th>
</tr>
</thead>
<tbody>
<tr>
<td>If a measure meets the above criteria and there are endorsed or new related measures (either the same measure focus or the same target population) or competing measures (both the same measure focus and the same target population), the measures are compared to address harmonization and/or selection of the best measure before a final recommendation is made.</td>
</tr>
</tbody>
</table>

5.1 If there are related measures (either same measure focus or target population) or competing measures (both the same measure focus and same target population), list the NQF # and title of all related and/or competing measures:

<table>
<thead>
<tr>
<th>NQF #</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>0538</td>
<td>Pressure Ulcer Prevention Included in Plan of Care</td>
</tr>
<tr>
<td>0539</td>
<td>Pressure Ulcer Prevention Implemented during Short Term Episodes of Care</td>
</tr>
</tbody>
</table>

5a. Harmonization

5a.1 If this measure has EITHER the same measure focus OR the same target population as NQF-endorsed measure(s):
Are the measure specifications completely harmonized?  Yes

5a.2 If the measure specifications are not completely harmonized, identify the differences, rationale, and impact on interpretability and data collection burden:

5b. Competing Measure(s)

5b.1 If this measure has both the same measure focus and the same target population as NQF-endorsed measure(s):

Describe why this measure is superior to competing measures (e.g., a more valid or efficient way to measure quality); OR provide a rationale for the additive value of endorsing an additional measure. (Provide analyses when possible):

There are no measures with the same measure focus (pressure ulcer assessment) and the same target population (home health). The 3 related home health measures of care for pressure ulcers complement each other to provide information on the assessment, care planning and implementation of interventions for prevention of pressure ulcers.

CONTACT INFORMATION

Co.1 Measure Steward (Intellectual Property Owner): Centers for Medicare and Medicaid Services, 7500 Security Boulevard, Mail Stop S3-01-02, Baltimore, Maryland, 21244-1850

Co.2 Point of Contact: Robin, Dowell, BSN, robin.dowell@cms.hhs.gov, 410-786-0060-

Co.3 Measure Developer if different from Measure Steward: Centers for Medicare & Medicaid Services, 7500 Security Boulevard, Baltimore, Maryland, 21244

Co.4 Point of Contact: Robin, Dowell, Robin.Dowell@CMS.hhs.gov, 410-786-6738-

Co.5 Submitter: Keziah, Cook, kcook@acumenllc.com, 410-786-6738-, Centers for Medicare & Medicaid Services

Co.6 Additional organizations that sponsored/participated in measure development:
Acumen LLC
Abt Associates, Inc.
Case Western Reserve University
University of Colorado at Denver, Division of Health Care Policy and Research

Co.7 Public Contact: Robin, Dowell, BSN, robin.dowell@cms.hhs.gov, 410-786-0060-, Centers for Medicare & Medicaid Services

ADDITIONAL INFORMATION

Workgroup/Expert Panel involved in measure development

Ad.1 Provide a list of sponsoring organizations and workgroup/panel members’ names and organizations. Describe the members’ role in measure development.

In December 2010, a Technical Expert Panel (TEP) was convened to review the analysis conducted on the home health measures that received NQF time limited endorsement (including PPV Ever Received). The TEP was comprised of individuals selected by CMS for their expertise and perspectives related to the panel objectives, from a pool of individuals who were nominated in response to the September 2010 Call for TEP notice.

2010 HH TLE Measure Review TEP Members:
Mary Carr RN, MPH - Associate Director for Regulatory Affairs, National Association of Home Care and Hospice
Rick Fortinsky, PhD- Professor of Medicine, Physicians Health Services Endowed Chair in Geriatrics and Gerontology, UConn Center for Health Services Research
Barbara Gage, PhD - Deputy Director of Aging, Disability, and Long-termCare, Post-Acute Care Research Lead, Research Triangle Institute
| Ad.2 | If adapted, provide title of original measure, NQF # if endorsed, and measure steward. Briefly describe the reasons for adapting the original measure and any work with the original measure steward: |
| Ad.3 | Measure Developer/Steward Updates and Ongoing Maintenance |
| Ad.4 | Year the measure was first released: 2010 |
| Ad.5 | Month and Year of most recent revision: 07, 2010 |
| Ad.6 | What is your frequency for review/update of this measure? Annual |
| Ad.7 | When is the next scheduled review/update for this measure? 06, 2012 |
| Ad.8 | Copyright statement: |
| Ad.9 | Disclaimers: |
| Ad.9 | Additional Information/Comments: |
| Date of Submission (MM/DD/YY): | 09/14/2011 |

See Guidance for Definitions of Rating Scale: H=High; M=Moderate; L=Low; I=Insufficient; NA=Not Applicable