NATIONAL QUALITY FORUM

Measure Evaluation 4.1 December 2009

This form contains the measure information submitted by stewards. Blank fields indicate no information was provided. Attachments also may have been submitted and are provided to reviewers. The subcriteria and most of the footnotes from the evaluation criteria are provided in Word comments within the form and will appear if your cursor is over the highlighted area. Hyperlinks to the evaluation criteria and ratings are provided in each section.

TAP/Workgroup (if utilized): Complete all **yellow highlighted** areas of the form. Evaluate the extent to which each subcriterion is met. Based on your evaluation, summarize the strengths and weaknesses in each section.

Note: If there is no TAP or workgroup, the SC also evaluates the subcriteria (yellow highlighted areas).

Steering Committee: Complete all pink highlighted areas of the form. Review the workgroup/TAP assessment of the subcriteria, noting any areas of disagreement; then evaluate the extent to which each major criterion is met; and finally, indicate your recommendation for the endorsement. Provide the rationale for your ratings.

Evaluation ratings of the extent to which the criteria are met

- C = Completely (unquestionably demonstrated to meet the criterion)
- P = Partially (demonstrated to partially meet the criterion)
- M = Minimally (addressed BUT demonstrated to only minimally meet the criterion)
- N = Not at all (NOT addressed; OR incorrectly addressed; OR demonstrated to NOT meet the criterion)
- NA = Not applicable (only an option for a few subcriteria as indicated)

(for NQF staff use) NQF Review #: NH-017-10 NQF Project: Nursing Homes 2010

MEASURE DESCRIPTIVE INFORMATION

De.1 Measure Title: Percent of Residents Who Were Assessed and Appropriately Given the Pneumococcal Vaccine (Long-Stay)

De.2 Brief description of measure: This measure is based on data from MDS 3.0 assessments of long-stay nursing facility residents. The measure reports the percentage of all long-stay residents who were assessed and appropriately given the Pneumococcal Vaccination (PPV) as reported on the target MDS assessment (which may be an admission, annual, quarterly, significant change or correction assessment) during the 12-month reporting period. This proposed measure is harmonized with NQF's quality measure on Pneumococcal Immunizations.(1) The MDS 3.0 definitions have been changed to conform to the NQF standard. The NQF used current guidelines from the Advisory Committee on Immunization Practices (ACIP) and others to guide decisions on all parameters for the harmonized measures.(2-10) The recently updated ACIP guidelines remain unchanged relative to their recommendations for pneumonia vaccinations.(12) The NQF standard specifications were harmonized to achieve a uniform approach to measurement across settings and populations, addressing who is included or excluded in the target denominator population, who is included in the numerator population, and time windows for measurement and vaccinations.

Long-stay residents are those residents who have been in the nursing home facility for at least 100 days. The measure is restricted to the population with long-term care needs and does not include the short-stay population who are discharged within 100 days of admission.

The NQF standardized specifications differ from the currently reported measure in several ways. It is important to note that, for some residents, a single vaccination is sufficient and the vaccination would be considered up to date; for others (those who are immunocompromised or older than 65, but the first vaccine was administered more than 5 years ago when the resident was younger than 65 years of age), a second dose would be needed to qualify a vaccination as up to date. Although the guidelines recommend a second dose in these circumstances, the NQF Committee believed that adding that requirement would make measurement too complex for the amount of benefit gained, especially given the complexity of determining "up-to-date status".(1)

1. National Quality Forum. National voluntary consensus standards for influenza and pneumococcal immunizations. December 2008. Available from

http://www.qualityforum.org/Publications/2008/12/National_Voluntary_Consensus_Standards_for_Influenza_and_P neumococcal_Immunizations.aspx

2. ACIP. Prevention of pneumococcal disease: recommendations of the Advisory Committee on Immunization Practices (ACIP). MMWR. Recomm Rep. 1997;46(RR-8):1-24.

1.1-2 Type of Measure: Process

De.3 If included in a composite or paired with another measure, please identify composite or paired measure

De.4 National Priority Partners Priority Area: Population health De.5 IOM Quality Domain: Patient-centered De.6 Consumer Care Need:

CONDITIONS FOR CONSIDERATION BY NQF	
Four conditions must be met before proposed measures may be considered and evaluated for suitability as voluntary consensus standards:	NQF Staff
A. The measure is in the public domain or an intellectual property (measure steward agreement) is signed. Public domain only applies to governmental organizations. All non-government organizations must sign a measure steward agreement even if measures are made publicly and freely available. A.1 Do you attest that the measure steward holds intellectual property rights to the measure and the right to use aspects of the measure owned by another entity (e.g., risk model, code set)? Yes A.2 Indicate if Proprietary Measure (as defined in measure steward agreement): A.3 Measure Steward Agreement: Government entity and in the public domain - no agreement necessary A.4 Measure Steward Agreement attached:	A Y N
B. The measure owner/steward verifies there is an identified responsible entity and process to maintain and update the measure on a schedule that is commensurate with the rate of clinical innovation, but at least every 3 years. Yes, information provided in contact section	B Y□ N□
C. The intended use of the measure includes <u>both</u> public reporting <u>and</u> quality improvement. ▶ Purpose: Public reporting, Internal quality improvement	C Y□ N□
D. The requested measure submission information is complete. Generally, measures should be fully developed and tested so that all the evaluation criteria have been addressed and information needed to evaluate the measure is provided. Measures that have not been tested are only potentially eligible for a time-limited endorsement and in that case, measure owners must verify that testing will be completed within 12 months of endorsement. D.1Testing: No, testing will be completed within 24 months D.2 Have NQF-endorsed measures been reviewed to identify if there are similar or related measures? Yes	D Y□ N□
(for NQF staff use) Have all conditions for consideration been met? Staff Notes to Steward (if submission returned):	Met Y□ N□
Staff Notes to Reviewers (issues or questions regarding any criteria):	
Staff Reviewer Name(s):	
TAP/Workgroup Reviewer Name:	
Steering Committee Reviewer Name:	
1. IMPORTANCE TO MEASURE AND REPORT	
Extent to which the specific measure focus is important to making significant gains in health care quality	Ev

NQF #NH-0	17-10		
(safety, timeliness, effectiveness, efficiency, equity, patient-centeredness) and improving health outcomes for a specific high impact aspect of healthcare where there is variation in or overall poor performance. 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	al Rat ing	(0	Comment [KP1]: 1a. The measure focus
(for NQF staff use) Specific NPP goal:		a	addresses: a specific national health goal/priority
 1a.1 Demonstrated High Impact Aspect of Healthcare: Affects large numbers, Severity of illness, Frequently performed procedure, Leading cause of morbidity/mortality, Patient/societal consequences of poor quality 1a.2 1a.3 Summary of Evidence of High Impact: According to CDC, pneumococcal disease kills more people in the United States each year than all other vaccine-preventable diseases combined.(1) Older people and persons with chronic health conditions are at high risk for pneumococcal disease. However, estimated pneumococcal vaccination coverage remains below 50% in recommended high risk groups.(2) Vaccinations of nursing facility 		F t li r	dentified by NQF's National Priorities Partners; QR as demonstrated high impact aspect of healthcare (e.g., affects large numbers, eading cause of morbidity/mortality, high esource use (current and/or future), severity of illness, and patient/societal consequences of poor quality).
residents can prevent or lower the risk of residents becoming seriously ill. Healthy People 2010 includes Objective 14-29f, for institutionalized adults, of a 90% vaccination rate in 2010.(3)			
Hospitalization rates for pneumonia-related stays for the elderly population have been increasing over the past 15 years, and among those 85 and older, at least 1 in 20 elderly persons were hospitalized each year because of pneumonia.(4) In 2005, Medicare paid an average of \$6,342 per hospital discharge for pneumonia-related short-stay hospitalizations; the average length of stay was 6.1 days. The number of Medicare reimbursed discharges for the same year was 670,000.(5)			
In an analysis of quality measures using MDS data from the first quarter (Q1) of 2006 for a random 10% facility sample (presented below), the University of Colorado found that this measure had a significant amount of variability across facilities. The quality measure varied from 10.7% at the 10th percentile to 100% at the 90th percentile. In addition, 13.8% of facilities had 100% vaccination.(6) See attached Table 1: Measure Variability Across Facilities. 1. Brega A, Goodrich G, Nuccio E, Hittle D. Transition of publicly reported nursing home quality measures to			
MDS 3.0—draft. Denver: Division of Health Care Policy and Research University of Colorado at Denver, 2008. 1a.4 Citations for Evidence of High Impact: 1. CDC. Pneumococcal polysaccharide vaccine. What you need to know. 1997. CDC, Atlanta, GA. 2. National Health Interview Survey. Pneumococcal: self-reported pneumococcal vaccination coverage trends 1989-2006. CDC. 2006. Available from http://www.cdc.gov/flu/professionals/vaccination/#coverage 3. U.S. Department of Health and Human Services (HHS). Healthy people 2010. 2000. Available from http://www.health.gov/healthypeople 4. Fry AAM, Shay DK, Holman RC, et al. Trends in hospitalizations for pneumonia among persons aged 65 and older in the United States, 1988-2000. JAMA. 2005; 294(21):2712-19. 5. Health Care Financing Review. Statistical Supplement 293. Baltimore, MD: Centers for Medicare and Medicaid Services. 2007. 6. Brega A, Goodrich G, Nuccio E, Hittle D. Transition of publicly reported nursing home quality measures to MDS 3.0—draft. Denver: Division of Health Care Policy and Research University of Colorado at Denver, 2008.	1a C P M N		
1b. Opportunity for Improvement			Comment [KP2]: 1b. Demonstration of quality problems and opportunity for
1b.1 Benefits (improvements in quality) envisioned by use of this measure: This measure is intended to encourage nursing facilities to focus on this important aspect of clinical care by assessing residents on the status of their pneumococcal vaccine immunization and to provide immunization as appropriate.		t c ii	mprovement, i.e., data demonstrating considerable variation, or overall poor beerformance, in the quality of care across providers and/or population groups (disparities n care).
1b.2 Summary of data demonstrating performance gap (variation or overall poor performance) across providers: In an analysis of quality measures using MDS data from 2006 Q1 for a random 10% facility sample, the University of Colorado found that this measure had a significant amount of variability across facilities. The quality measure varied from 10.7% at the 10th percentile to 100% at the 90th percentile. In addition, 13.8% of facilities had 100% vaccination.	1b C P M N	r c ii r	Comment [k3]: 1 Examples of data on opportunity for improvement include, but are not limited to: prior studies, epidemiologic data, measure data from pilot testing or mplementation. If data are not available, the neasure focus is systematically assessed (e.g., expert panel rating) and judged to be a quality problem.
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See attached Table 1: Measure Variability Across Facilities.

1b.3 Citations for data on performance gap:

1. Brega A, Goodrich G, Nuccio E, Hittle D. Transition of publicly reported nursing home quality measures to MDS 3.0—draft. Denver: Division of Health Care Policy and Research University of Colorado at Denver, 2008.

1b.4 Summary of Data on disparities by population group:

Racial segregation between nursing homes has been shown to be a major factor in racial disparities in the nursing home population, primarily for blacks. In 2000, a study drawing on national MDS and Online Survey, Certification, and Reporting (OSCAR) data found that two-thirds of all black residents were living in just 10% of all facilities. (1) A 2002 survey of a stratified sample of 39 nursing homes and 181 residential care/assisted-living facilities in four states had similar findings. (2) Facilities serving blacks have demonstrated a lower level of quality care than those serving whites with lower staff-to-resident ratios and higher deficiency ratings. (3) Minority groups, in general, and blacks, in particular, have also had more limited access to nursing home care than whites. (4)

Pneumococcal vaccination rates are lower for black nursing home residents than for white residents—31% of black residents compared with 24% of white residents aged 65 years or older had never received a pneumococcal vaccination. Blacks also had higher odds of unknown vaccination status than whites in Medicaid-only facilities and lower odds of unknown status in government-owned facilities. The racial difference in pneumococcal vaccination exists predominantly in certain facility types.(5)

1b.5 Citations for data on Disparities:

- 1. Smith D, Feng Z, Fennell M, Ainn J, Mor V. Separate and unequal: racial segregation and disparities in quality across U.S. nursing homes. Health Aff (Millwood). 2007; 26(5):1448-558.
- 2. Howard D, Sloane P, Zimmerman S, Eckert J, Walsh J, Buie V, Taylor P, Koch G. Distribution of African Americans in residential care/assisted living and nursing homes: more evidence of racial disparity? Am J Public Health. 2002;92(8):1272-7.
- 3. Grabowski D. The admission of blacks to high-deficiency nursing homes. Med Care. 2004;42(5):456-64.
- 4. National Center for Health Statistics (NCHS). Health, United States, 1996-97, and injury chartbook. Hyattsville, MD: NCHS, 1997.
- 5 Marsteller J, Tiggle R, Remsburg R, Bardenheier B, Shefer A, Han B. Pneumococcal vaccination in nursing homes: does race make a difference? J Am Med Dir Assoc. 2008;9(9):641-7.
- 1c. Outcome or Evidence to Support Measure Focus
- 1c.1 Relationship to Outcomes (For non-outcome measures, briefly describe the relationship to desired outcome. For outcomes, describe why it is relevant to the target population): In 2004, the seventh most common cause of death for persons aged 65 and older in the United States was pneumonia and influenza. (1) Death related to pneumonia affects the elderly at a higher rate, especially for those aged 85 and older. (2) Almost 60,000 deaths in 2004 were caused by influenza and pneumonia, and more than 85% of those were for the elderly. (1) Frail elderly are especially at risk for contracting pneumonia as a complication of another infection or medical condition. In the same year, there were approximately 123,000 deaths with influenza and pneumonia mentioned on the death certificate as a secondary cause of death. (1)
- 1c.2-3. Type of Evidence: Randomized controlled trial, Observational study
- 1c.4 Summary of Evidence (as described in the criteria; for outcomes, summarize any evidence that healthcare services/care processes influence the outcome):

 Immunization of nursing home residents against pneumonia is an important mechanism for reducing serious illness and mortality in nursing facilities.
- 1c.5 Rating of strength/quality of evidence (also provide narrative description of the rating and by whom): The body of evidence supporting this measure has not been rated.

Comment [k4]: 1c. The measure focus is:
•an outcome (e.g., morbidity, mortality,
function, health-related quality of life) that is
relevant to, or associated with, a national
health goal/priority, the condition, population,
and/or care being addressed;
OR
•if an intermediate outcome, process,
structure, etc., there is evidence that
supports the specific measure focus as follows:

•If an intermediate outcome, process, structure, etc., there is evidence that supports the specific measure focus as follows: olntermediate outcome - evidence that the measured intermediate outcome (e.g., blood pressure, Hba1c) leads to improved health/avoidance of harm or cost/benefit. oProcess - evidence that the measured clinical or administrative process leads to improved health/avoidance of harm and if the measure focus is on one step in a multi-

step care process, it measures the step that has the greatest effect on improving the specified desired outcome(s). oStructure - evidence that the measured structure supports the consistent delivery of effective processes or access that lead to improved health/avoidance of harm or cost/benefit.

o<u>Patient experience</u> - evidence that an association exists between the measure of patient experience of health care and the outcomes, values and preferences of individuals/ the public.

o<u>Access</u> - evidence that an association exists between access to a health service and the outcomes of, or experience with, care.

Comment [k5]: 4 Clinical care processes typically include multiple steps: assess → identify problem/potential problem choose/plan intervention (with patient input) ightarrow provide intervention ightarrow evaluate impact on health status. If the measure focus is one step in such a multi-step process, the step with the greatest effect on the desired outcome should be selected as the focus of measurement. For example, although assessment of immunization status and recommending immunization are necessary steps, they are not sufficient to achieve the desired impact on health status patients must be vaccinated to achieve immunity. This does not preclude consideration of measures of preventive screening interventions where there is a strong link with desired outcomes (e.g., mammography) or measures for multiple care processes that affect a single outcome.

Comment [k6]: 3 The strength of the body of evidence for the specific measure focus should be systematically assessed and rated (e.g., USPSTF grading system

http://www.ahrq.gov/clinic/uspstf07/method s/benefit.htm). If the USPSTF grading system was not used, the grading system is explained including how it relates to the USPSTF grades or why it does not. However, evidence is not limited to quantitative studies and the best type of evidence depends upon the question being studied (e.g., randomized controlled trials appropriate for studying drug efficacy are not well suited for complex system changes). When qualitative studies are used, appropriate qualitative research criteria are used to judge the strength of the evidence.

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1c.6 Method for rating evidence:	
1c.7 Summary of Controversy/Contradictory Evidence: No contradictory evidence has been identified.	
1c.8 Citations for Evidence (<i>other than guidelines</i>): 1. Gorina Y, Kelly T, Lubitz J, et al. Trends in influenza and pneumonia among older persons in the United States. 2008. CDC, National Center for Health Statistics, Atlanta, GA.	
2. Thompson WW, Shay DK, Weintraub E, et al. Mortality associated with the influenza and respiratory syncytial virus in the United States. JAMA. 2003;289:179-86.	
1c.9 Quote the Specific guideline recommendation (including guideline number and/or page number): "Pneumococcal vaccination also should be routinely provided for residents of nursing homes and other long-term-care facilities."	
1c.10 Clinical Practice Guideline Citation: ACIP. Prevention of pneumococcal disease: recommendations of the Advisory Committee on Immunization Practices (ACIP). MMWR. Recommendations and Reports: Morbidity and Mortality Weekly Report, 1997;46(RR-8):1-24.	
1c.11 National Guideline Clearinghouse or other URL: CDC. Recommended adult immunization schedule—United States, 2009. CDC. November 20, 2007 (revised January 9, 2009). [NGC Update Pending] NGC:007058. Available from: http://www.cdc.gov/mmwr/preview/mmwrhtml/mm5753a6.htm.	
1c.12 Rating of strength of recommendation (also provide narrative description of the rating and by whom): The body of evidence supporting this recommendation has not been rated.	
1c.13 Method for rating strength of recommendation (<i>If different from</i> USPSTF system, <i>also describe rating and how it relates to USPSTF</i>):	
1c.14 Rationale for using this guideline over others:	
TAP/Workgroup: What are the strengths and weaknesses in relation to the subcriteria for <i>Importance to Measure and Report?</i>	1
Steering Committee: Was the threshold criterion, <i>Importance to Measure and Report</i> , met? Rationale:	1 Y□
	N
2. SCIENTIFIC ACCEPTABILITY OF MEASURE PROPERTIES	
Extent to which the measure, <u>as specified</u> , produces consistent (reliable) and credible (valid) results about the quality of care when implemented. (evaluation criteria)	Ev al Rat ing
2a. MEASURE SPECIFICATIONS	
S.1 Do you have a web page where current detailed measure specifications can be obtained? S.2 If yes, provide web page URL:	2a-
2a. Precisely Specified	spe cs ∈
2a.1 Numerator Statement (<i>Brief, text description of the numerator - what is being measured about the target population, e.g. target condition, event, or outcome</i>): The numerator will be harmonized with NQF-endorsed measures. Residents are counted if they are short-stay residents defined as residents whose length of stay less than or greater 100 days. Residents are counts if they meet any of the following criteria on the most recent MDS 3.0 assessment which may be a an OBRA Admission	P M N

Comment [k7]: USPSTF grading system http://www.ahrq.gov/clinic/uspstf/grades.ht m: A - The USPSTF recommends the service. There is high certainty that the net benefit is substantial. B - The USPSTF recommends the service. There is high certainty that the net benefit is moderate or there is moderate certainty that the net benefit is moderate to substantial. C - The USPSTF recommends against routinely providing the service. There may be considerations that support providing the service in an individual patient. There is at least moderate certainty that the net benefit is small. Offer or provide this service only if other considerations support the offering or providing the service in an individual patient. D - The USPSTF recommends against the service. There is moderate or high certainty that the service has no net benefit or that the harms outweigh the benefits. I - The USPSTF concludes that the current evidence is insufficient to assess the balance of benefits and harms of the service. Evidence is lacking, of poor quality, or conflicting, and the balance of benefits and harms cannot be determined.

Comment [KP8]: 2a. The measure is well defined and precisely specified so that it can be implemented consistently within and across organizations and allow for comparability. The required data elements are of high quality as defined by NOF's Health Information Technology Expert Panel (HITEP).

(30310A=01), 5-day PPS (30310B = 01, 02, 03, 04, 05, 06, 07) or discharge assessment during (A0310F = 10, 11) during the 12 month reporting period. The following numerator components will be computed and reported separately:

- 1. Up-to-date vaccine status (00300.A=1)
- 2. Ineligible due to medical contraindications (00300.B=1)
- 3. Offered and declined vaccine (O0300.B=2)
- **2a.2** Numerator Time Window (*The time period in which cases are eligible for inclusion in the numerator*): This time window is the selected 12-month reporting period.
- **2a.3** Numerator Details (All information required to collect/calculate the numerator, including all codes, logic, and definitions):

Residents are counted if they are long-stay residents, defined as residents whose length of stay is greater than 100 days. Residents who return to the nursing home following a hospital discharge will not have their stay reset to zero. Long-stay residents are counted if they meet any of the following criteria on the target MDS 3.0 assessment (A0310.A=01,02,03,04,05,06) or discharge assessment (A0310.F= 10,11) during the 12-month reporting period include those who (1) have an up to date PPV status (item O0300.A= 1); or (2) were offered and declined the vaccine (item O0300.B=2); or (3) were ineligible due to medical contraindication(s) (i.e., anaphylactic hypersensitivity to components of the vaccine, bone marrow transplant within the past 12 months, or receiving a course of chemotherapy within the past 2 weeks) (item O0300B=1).

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

The denominator consists of all long-stay residents in the pneumococcal vaccination sample with an MDS 3.0 OBRA admission assessment (which may be an annual, quarterly, significant change or significant correction) or discharge assessment during the 12-month reporting period. This measure is based on the NQF's National Voluntary Standards for Influenza and Pneumococcal Immunizations, which include resident refusal and ineligibility in the numerator and denominator. This is a change from the currently used nursing home quality measure.

- 2a.5 Target population gender: Female, Male
- **2a.6** Target population age range: The population includes long-stay residents of all ages residing in the nursing facility.
- **2a.7** Denominator Time Window (*The time period in which cases are eligible for inclusion in the denominator*):

This time window is the selected 12-month reporting period.

2a.8 Denominator Details (All information required to collect/calculate the denominator - the target population being measured - including all codes, logic, and definitions):

Residents are counted if they are long-stay residents defined as residents whose length of stay is greater than 100 days. Residents who return to the nursing home following a hospital discharge will not have their day count reset to zero. The denominator includes all long-stay residents who meet the following criteria: (1) the most recent MDS 3.0 assessment is an OBRA assessment (item A0310.A=01,02,03,04,05,06) with assessment reference date (item A2300(during the 12-month target period; or (2) the most recent assessment is a discharge assessment (item A0310.F=10,11) with discharge date (item A2000) during the 12-month target period AND the prior MDS record is an OBRA assessment (item A0310.A=01,02,03,04,05,06) with assessment reference date (item A2300) before the target period and the discharge date (item A2000) minus the assessment reference date (item A2300) is 100 days or less: or (3) the most recent assessment is a discharge assessment prior to completing the initial assessment (item A0310.A=99). The start date of this stay is the later of the admission date (item A1600) from the discharge assessment or the 13th day prior to the discharge date (item A2000 minus 13 days). Either the start date or the discharge date is wtihin the 12-month target period.

2a.9 Denominator Exclusions (Brief text description of exclusions from the target population): There are no resident level exclusions. Only facilities with fewer than 30 residents are excluded from public reporting due to small sample size.

2a.10 Denominator Exclusion Details (All information required to collect exclusions to the denominator,

Comment [k9]: 11 Risk factors that influence outcomes should not be specified as exclusions.

12 Patient preference is not a clinical exception to eligibility and can be influenced by provider interventions.

including all codes, logic, and definitions): 2a.11 Stratification Details/Variables (All information required to stratify the measure including the stratification variables, all codes, logic, and definitions): This is not applicable. 2a.12-13 Risk Adjustment Type: No risk adjustment necessary 2a.14 Risk Adjustment Methodology/Variables (List risk adjustment variables and describe conceptual models, statistical models, or other aspects of model or method): This is not applicable. 2a.15-17 Detailed risk model available Web page URL or attachment: 2a.18-19 Type of Score: Ratio 2a.20 Interpretation of Score: 2a.21 Calculation Algorithm (Describe the calculation of the measure as a flowchart or series of steps): For each facility, the number of residents meeting the numerator criteria and the number of meeting the demominator criteria are counted. The following numerator components will be computed and reported separately: 1. Up-to-date vaccine status (00300.A =1) 2. Ineligible due to medical contraindications (00300.B=1) 3. Offered and declined vaccine (00300.B =2) 2a.22 Describe the method for discriminating performance (e.g., significance testing): Because the computed scores are not estimates, but include all residents who meet the measure criteria, in terms of discriminating performance, the computed scores can be used to make valid comparisons. 2a.23 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): This is not applicable. **2a.24** Data Source (Check the source(s) for which the measure is specified and tested) Electronic clinical data 2a.25 Data source/data collection instrument (Identify the specific data source/data collection instrument, e.g. name of database, clinical registry, collection instrument, etc.): The data source or collection instrument is Nursing Home Minimum Data Set 3.0 2a.26-28 Data source/data collection instrument reference web page URL or attachment: URL http://www.cms.hhs.gov/NursingHomeQualityInits/25_NHQIMDS30.asp#TopOfPage 2a.29-31 Data dictionary/code table web page URL or attachment: URL http://www.cms.hhs.gov/NursingHomeQualityInits/25_NHQIMDS30.asp#TopOfPage 2a.32-35 Level of Measurement/Analysis (Check the level(s) for which the measure is specified and tested) Facility/Agency 2a.36-37 Care Settings (Check the setting(s) for which the measure is specified and tested) Nursing home (NH) /Skilled Nursing Facility (SNF) 2a.38-41 Clinical Services (Healthcare services being measured, check all that apply) TESTING/ANALYSIS 2b. Reliability testing 2b Ċ□ 2b.1 Data/sample (description of data/sample and size): Two major tests of the reliability of the pneumonia $P \square$ measure have been conducted. First, the MDS 2.0 measure items and the existing quality measure were tested

Comment [KP10]: 2b. Reliability testing demonstrates the measure results are repeatable, producing the same results a high proportion of the time when assessed in the same population in the same time period.

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Second, the University of Colorado used national facility-level quality measure data from the third quarter (Q3) of 2003 through Q3 of 2006, which came from the Quality Improvement and Evaluation System (QIES) MDS Express Reports on the CMS Intranet, OSCAR data related to facility characteristics (e.g., state, resident census, number of beds, staffing), and certification survey results downloaded from the QIES Workbench (1), A 10% random sample of all Medicare-certified nursing facilities was also downloaded from MDS assessment records. Analyses were based on complete MDS data from January 2005 through March 2006, nearly complete data for April 2006, and partial data for May and June 2006. **2b.2** Analytic Method (type of reliability & rationale, method for testing): The national test of MDS 3.0 items examined the agreement between assessors (reliability); the validity of new cognitive, depression, and behavior items; the response rates for interview items; user satisfaction and feedback on changes; and the time to complete the assessment. The network of Quality Improvement Organizations was used to identify the gold-standard (research) nurses and recruit community nursing homes to participate in the national evaluation, including a representative sample of for-profit and not-for-profit facilities and hospital-based and free-standing facilities. The gold-standard nurses were trained in the MDS 3.0 instrument, and they, in turn, trained a facility nurse from each participating nursing home in their home states. Residents participating in the test were selected to capture a representative sample of short- and longstay residents. The DAVE 2 project used a two-stage cluster sample design to examine MDS reporting. A trained nurse reviewer selected a current resident with a recent assessment performed by the nursing home within the past 14 days. In Stage 1 of this review, the nurse reviewer conducted a blind reassessment of the resident using a standard MDS assessment and coding procedures (examination of the medical records; observation of the resident; interview of staff, resident, and family; and use of coding criteria). In Stage 2 of this assessment, the DAVE 2 nurse reviewer's assessment was compared to the corresponding nursing home assessment, and each discrepancy was reconciled, with the nursing home assessor and the nurse reviewer agreeing on the appropriate response. In addition to data entering the facility MDS code, the DAVE 2 code, and the reconciled code into the MDS-QC data entry software, the DAVE 2 nurse reviewer entered a "reason code" to attribute the cause of the discrepancy, per MDS item reviewed, to an established list of reasons. 2b.3 Testing Results (reliability statistics, assessment of adequacy in the context of norms for the test conducted): According to the University of Colorado's findings, the pneumococcal immunization measure for long-stay residents received ratings of "quarded" for the dimensions of validity and reliability. Moderate two-stage discrepancy rates were obtained for the vaccination QI/QMs. The rate was 13.4 percent for pneumococcal. The Retrospective Medical Record Reviews rate was lower, and the difference reached standard significance for the pneumococcal measure. More detailed analysis of QI/QM discrepancies indicates that facilities undercode QI/QMs much more often than they overcode. Two-stage RUG-III group discrepancies on skilled nursing facility (SNF) PPS assessments were found to be quite high, with a rate of 22.1%. This RUG-III group rate is a bit higher than the 15% rate found in the original DAVE project. A somewhat higher rate may be expected for DAVE 2 because reviews during this project were conducted onsite using an independent resident assessment and reconciliation with facility staff, whereas the original DAVE project reviews were conducted offsite, with access only to a partial medical record mailed by the facility. Abt Associates, Inc.; Stepwise Systems, Inc.; Qualidigm. Data Assessment and Verification (DAVE 2) project— MDS two-stage discrepancy findings, April-December 2006. Cambridge, MA: Abt Associates, Inc. 2007. Brega A, Goodrich G, Nuccio E, Hittle D. Transition of publicly reported nursing home quality measures to MDS 3.0—draft. Denver: Division of Health Care Policy and Research University of Colorado at Denver, 2008. 2c. Validity testing 2c C | P | 2c.1 Data/sample (description of data/sample and size): The MDS 2.0 and MDS 3.0 vaccination items were

in the Data Assessment and Verification (DAVE 2) project conducted by Abt Associates (1). This project used a nationwide sample of randomly selected nursing homes using MDS assessments for the period from April 1 to

December 31, 2006 (1). During this project, 173 two-stage reviews were performed.

Comment [k11]: 8 Examples of reliability testing include, but are not limited to: inter-rater/abstractor or intra-rater/abstractor studies; internal consistency for multi-item scales; test-retest for survey items. Reliability testing may address the data items or final

Comment [KP12]: 2c. Validity testing demonstrates that the measure reflects the quality of care provided, adequately distinguishing good and poor quality. If face validity is the only validity addressed, it is systematically assessed.

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tested by the DAVE 2 project, which used a nationwide sample of randomly selected nursing homes using MDS assessments for the period from April 1 to December 31, 2006. The sample size (number of reviews) was 164 for the pneumococcal vaccination QI/QM.	⊠ □ Z □		
2c.2 Analytic Method (type of validity & rationale, method for testing): The national test of MDS 3.0 items examined the agreement between assessors (reliability); the validity of new cognitive, depression, and behavior items; the response rates for interview items; user satisfaction and feedback on changes; and the time to complete the assessment. The network of Quality Improvement Organizations was used to identify the gold-standard (research) nurses and recruit community nursing homes to participate in the national evaluation, including a representative sample of for-profit and not-for-profit facilities and hospital-based and free-standing facilities. The gold-standard nurses were trained in the MDS 3.0 instrument, and they, in turn, trained a facility nurse from each participating nursing home in their home states. Residents participating in the test were selected to capture a representative sample of short- and long-stay residents.			Comment [k13]: 9 Examples of validity testing include, but are not limited to: determining if measure scores adequately distinguish between providers known to have good or poor quality assessed by another valid method; correlation of measure scores with another valid indicator of quality for the specific topic; ability of measure scores to predict scores on some other related valid measure; content validity for multi-item scales/tests. Face validity is a subjective assessment by experts of whether the measur reflects the quality of care (e.g., whether the
The DAVE 2 Project used a two-stage cluster sample design to examine MDS reporting. A trained nurse reviewer selected a current resident with a recent assessment performed by the nursing home within the past 14 days. In Stage 1 of this review, the nurse reviewer conducted a blind reassessment of the resident using standard MDS assessment and coding procedures (examination of the medical record; observation of the resident; interview of staff, resident, and family; and use of coding criteria). In Stage 2 of this assessment, the DAVE 2 nurse reviewer's assessment was compared to the corresponding nursing home assessment and each discrepancy was reconciled, with the nursing home assessor and the nurse reviewer agreeing on the appropriate response. In addition to data entering the facility MDS code, the DAVE 2 code, and the reconciled code into the MDS-QC data entry software, the DAVE 2 nurse reviewer entered a "reason code" to attribute the cause of the discrepancy, per MDS item reviewed, to an established list of reasons.			proportion of patients with BP < 140/90 is a marker of quality). If face validity is the only validity addressed, it is systematically assesse (e.g., ratings by relevant stakeholders) and the measure is judged to represent quality care fithe specific topic and that the measure focus is the most important aspect of quality for the specific topic.
2c.3 Testing Results (statistical results, assessment of adequacy in the context of norms for the test conducted):			
According to the University of Colorado's findings, the pneumococcal immunization measure for long-stay residents received ratings of "guarded" for the dimensions of validity and reliability. Moderate two-stage discrepancy rates were obtained for the vaccination QI/QMs. The rate was 13.4 percent for pneumococcal.(1) The Retrospective Medical Record Reviews rate was lower and the difference reached standard significance for the pneumococcal measure. More detailed analysis of QI/QM discrepancies indicates that facilities undercode QI/QMs much more often than they overcode.(2)			Comment [KP14]: 2d. Clinically necessary measure exclusions are identified and must be
Two-stage RUG-III group discrepancies on SNF PPS assessments were found to be quite high, with a rate of 22.1%. This RUG-III group rate is a bit higher than the 15% rate found in the original DAVE project. A somewhat higher rate may be expected for DAVE 2 because reviews during this project were conducted onsite using an independent resident assessment and reconciliation with facility staff, whereas the original DAVE reviews were conducted offsite, with access only to a partial medical record mailed by the facility.			supported by evidence of sufficient frequent of occurrence so that results are distorted without the exclusion; AND a clinically appropriate exception (e.g., contraindication) to eligibility for the measur focus; AND
1. Brega A, Goodrich G, Nuccio E, Hittle D. Transition of publicly reported nursing home quality measures to MDS 3.0—draft. Denver: Division of Health Care Policy and Research University of Colorado at Denver, 2008.		, - -	 precisely defined and specified: if there is substantial variability in exclusion across providers, the measure is specified so that exclusions are computable and the effect
2. Abt Associates, Inc.; Stepwise Systems, Inc.; Qualidigm. Data Assessment and Verification (DAVE 2) project—MDS two-stage discrepancy findings, April-December 2006. Cambridge, MA: Abt Associates, Inc., 2007.			on the measure is transparent (i.e., impact clearly delineated, such as number of cases excluded, exclusion rates by type of exclusion);
2d. Exclusions Justified		'	if patient preference (e.g., informed decision making) is a basis for exclusion, there must b
2d.1 Summary of Evidence supporting exclusion(s): All residents in long-stay for whom complete data exist are included.	2d C∐	\ \ \	evidence that it strongly impacts performanc on the measure and the measure must be specified so that the information about patiel preference and the effect on the measure is
2d.2 Citations for Evidence: This is not applicable.	P		transparent (e.g., numerator category computed separately, denominator exclusion category computed separately).
2d.3 Data/sample (description of data/sample and size): This is not applicable.] N	(Comment [k15]: 10 Examples of evidence that an exclusion distorts measure results
2d.4 Analytic Method (type analysis & rationale): This is not applicable.	NA		include, but are not limited to: frequency of occurrence, sensitivity analyses with and without the exclusion, and variability of exclusions across providers.
Rating: C=Completely; P=Partially; M=Minimally; N=Not at all; NA=Not applicable	9		The state of the s

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2d.5 Testing Results (e.g., frequency, variability, sensitivity analyses): This is not applicable.			
2e. Risk Adjustment for Outcomes/ Resource Use Measures			Comment [KP16]: 2e. For outcome measure
2e.1 Data/sample (description of data/sample and size): Not applicable.			and other measures (e.g., resource use) when indicated: •an evidence-based risk-adjustment strategy
2e.2 Analytic Method (type of risk adjustment, analysis, & rationale):	2e C		(e.g., risk models, risk stratification) is specified and is based on patient clinical factors that influence the measured outcome (but not disparities in care) and are present at
2e.3 Testing Results (risk model performance metrics): Not applicable.	M		start of care; Error! Bookmark not defined. OR rationale/data support no risk adjustment.
2e.4 If outcome or resource use measure is not risk adjusted, provide rationale: The currently reported measure is designed to capture all residents who should be vaccinated; therefore, according to the University of Colorado, risk adjustment was not deemed necessary.	N NA		Comment [k17]: 13 Risk models should not obscure disparities in care for populations by including factors that are associated with differences/inequalities in care such as race, socioeconomic status, gender (e.g., poorer treatment outcomes of African American men
2f. Identification of Meaningful Differences in Performance	ļ		with prostate cancer, inequalities in treatment for CVD risk factors between men and women)
2f.1 Data/sample from Testing or Current Use (description of data/sample and size): The testing did not include the updated specs, which increase the number of residents who might be counted in the numerator and denominator. We indicated that the measures were tested because this change does not affect the underlying items and their reliability, nor the reportability or usability of the quality measure. In addition, it			It is preferable to stratify measures by race and socioeconomic status rather than adjusting out differences. Comment [KP18]: 2f. Data analysis demonstrates that methods for scoring and
is unlikely that variability across facilities would be accounted for based on whether individuals who refused to be vaccinated or had medical contraindications to vaccination are included in the numerator and denominator.			analysis of the specified measure allow for identification of statistically significant and practically/clinically meaningful differences in performance.
The data sample is from MDS 2.0 data from Q1 of 2006.			
2f.2 Methods to identify statistically significant and practically/meaningfully differences in performance			Comment [k19]: 14 With large enough sample sizes, small differences that are
(type of analysis & rationale): Because the computed scores are not estimates, but include all residents who meet the measure criteria, in terms of discriminating performance, the computed scores can be used to make valid comparisons.			sample sizes, small uniferences that are statistically significant may or may not be practically or clinically meaningful. The substantive question may be, for example, whether a statistically significant difference of
2f.3 Provide Measure Scores from Testing or Current Use (description of scores, e.g., distribution by quartile, mean, median, SD, etc.; identification of statistically significant and meaningfully differences in performance):			one percentage point in the percentage of patients who received smoking cessation counseling (e.g., 74% v. 75%) is clinically meaningful; or whether a statistically
In its analysis of quality measures using MDS data from Q1 of 2006, the University of Colorado found that this measure had a significant amount of variability across facilities. The quality measure varied from vaccination rate of 10.7% at the 10th percentile to 100% at the 90th percentile. In addition, 13.8% of facilities had a 100% vaccination rate.	2f C□		significant difference of \$25 in cost for an episode of care (e.g., \$5,000 v. \$5,025) is practically meaningful. Measures with overall poor performance may not demonstrate much variability across providers.
See attached Table 1: Measure Variability Across Facilities.	P M		
1. Brega A, Goodrich G, Nuccio E, Hittle D. Transition of publicly reported nursing home quality measures to MDS 3.0—draft. Denver: Division of Health Care Policy and Research University of Colorado at Denver, 2008.	N		
2g. Comparability of Multiple Data Sources/Methods	2g		Comment [KP20]: 2g. If multiple data
2g.1 Data/sample (description of data/sample and size): This is not applicable.	C P M		sources/methods are allowed, there is demonstration they produce comparable results.
2g.2 Analytic Method (type of analysis & rationale): This is not applicable.	N		
2g.3 Testing Results (e.g., correlation statistics, comparison of rankings): This is not applicable.	NA	/	Comment [KP21]: 2h. If disparities in care have been identified, measure specifications, scoring, and analysis allow for identification of
2h. Disparities in Care	2h C	/	disparities through stratification of results (e.g., by race, ethnicity, socioeconomic status gender);OR rationale/data justifies why stratification is not necessary or not feasible.

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2h.1 If measure is stratified, provide stratified results (scores by stratified categories/cohorts): This is not applicable.	P M
2h.2 If disparities have been reported/identified, but measure is not specified to detect disparities, provide follow-up plans: This is not applicable.	
TAP/Workgroup: What are the strengths and weaknesses in relation to the subcriteria for <i>Scientific Acceptability of Measure Properties?</i>	2
Steering Committee: Overall, to what extent was the criterion, <i>Scientific Acceptability of Measure Properties</i> , met? Rationale:	2 C P M N
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)	Ev al Rat ing
3a. Meaningful, Understandable, and Useful Information	
3a.1 Current Use: In use 3a.2 Use in a public reporting initiative (disclosure of performance results to the public at large) (If used in a public reporting initiative, provide name of initiative(s), locations, Web page URL(s). If not publicly	
<u>reported</u> , state the plans to achieve public reporting within 3 years): The pneumococcal immunization quality measure is part of the existing publicly reported quality measures for nursing facilities. The pneumococcal immunization measure reflects the percentage of nursing facility residents who have been assessed and vaccinated against pneumonia. Identifying residents whose pneumonia vaccination is not up to date will provide nursing facility staff with the information necessary to target residents who might benefit from being immunized, thereby increasing their performance on the measure. Using the measure results for residents who declined vaccination and those who have medical	
contraindications can help facility staff to identify barriers to immunization (e.g., myths and missed opportunities) and quality improvement strategies. Moreover, the proposed measure is standardized, which should make it easier for providers in different settings to accurately interpret vaccination information for residents who move from one setting to another. The opportunity to increasingly link measurement across providers and sites of care will form the foundation for a systems-based perspective on immunization and the reduction or elimination of preventable illnesses. National Quality Forum. National voluntary consensus standards for influenza and pneumococcal immunizations. December 2008. Available from	
http://www.qualityforum.org/Publications/2008/12/National_Voluntary_Consensus_Standards_for_Influenza_and_Pneumococcal_Immunizations.aspx.	
For current use of the pneumococcal immunization quality measure, please see Nursing Home Compare at http://www.medicare.gov/NHCompare/Include/DataSection/Questions/SearchCriteriaNEW.asp?version=defaul t&browser=IE%7C6%7CWinXP&language=English&defaultstatus=0&pagelist=Home&CookiesEnabledStatus=True.	3a C□
3a.3 If used in other programs/initiatives (<i>If used in quality improvement or other programs/initiatives, name of initiative(s), locations, Web page URL(s).</i> <u>If not used for QI</u> , state the plans to achieve use for QI within 3 years): This is not applicable.	P M N

Comment [KP22]: 3a. Demonstration that information produced by the measure is meaningful, understandable, and useful to the intended audience(s) for both public reporting (e.g., focus group, cognitive testing) and informing quality improvement (e.g., quality improvement initiatives). An important outcome that may not have an identified improvement strategy still can be useful for informing quality improvement by identifying the need for and stimulating new approaches to improvement.

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Testing of Interpretability (Testing that demonstrates the results are understood by the potential users for public reporting and quality improvement) 3a.4 Data/sample (description of data/sample and size): A recent study examined whether consumers could accurately interpret the quality information given for all the measures reported by Nursing Home Compare.			
Data were collected from 4,754 family members of nursing home residents.			
Castle N. The Nursing Home Compare report card: consumers' use and understanding. Journal of Aging and Social Policy. 2009;21(2):187-208.			
3a.5 Methods (e.g., focus group, survey, OI project): A comprehension index was used to examine whether the information contained in Nursing Home Compare for each quality measure was understood by family members.			
3a.6 Results (qualitative and/or quantitative results and conclusions): The study found that 31% of the consumers used the Internet to help them choose a nursing home, 12% recalled using Nursing Home Compare. In general, the consumers' comprehension index scores were high, indicating a good understanding, although the study did not evaluate this measure.			
3b/3c. Relation to other NQF-endorsed measures			
3b.1 NQF # and Title of similar or related measures: This measure replaces National Quality Forum (NQF) #0433 Pneumococcal Vaccination of Nursing Home/ Skilled Nursing Facility Residents.			
(for NQF staff use) Notes on similar/related endorsed or submitted measures:			
3b. Harmonization If this measure is related to measure(s) already endorsed by NQF (e.g., same topic, but different target population/setting/data source or different topic but same target population): 3b.2 Are the measure specifications harmonized? If not, why?	3b C P M		Comment [KP23]: 3b. The measure specifications are harmonized with other measures, and are applicable to multiple levels and settings.
Yes. The measure specifications are harmonized. They correspond to the specifications in the 2008 NQF National Voluntary Consensus Standards for Influenza and Pneumococcal Immunizations Report. The specifications are updated to reflect the changes in MDS 3.0.	N NA		Comment [k24]: 16 Measure harmonization refers to the standardization of specifications for similar measures on the same topic (e.g., influenza immunization of patients in hospitals or nursing homes), or related measures for the same target population (e.g., eye exam and HbA1c for patients with
3c. Distinctive or Additive Value 3c.1 Describe the distinctive, improved, or additive value this measure provides to existing NQF-endorsed measures: The current measure is being retired due to the change in the data source. The proposed measure will replace it and is harmonized to the NQF Voluntary Consensus Standards for Influenza and Pneumococcal Immunizations. 5.1 If this measure is similar to measure(s) already endorsed by NQF (i.e., on the same topic and the same	3c C D M D N		diabetes), or definitions applicable to many measures (e.g., age designation for children) so that they are uniform or compatible, unless differences are dictated by the evidence. The dimensions of harmonization can include numerator, denominator, exclusions, and data source and collection instructions. The extent of harmonization depends on the relationship of the measures, the evidence for the specific measure focus, and differences in data
target population), Describe why it is a more valid or efficient way to measure quality:	NA	Ŋ	comment [KP25]: 3c. Review of existing
TAP/Workgroup: What are the strengths and weaknesses in relation to the subcriteria for <i>Usability</i> ?	3		endorsed measures and measure sets demonstrates that the measure provides a
Steering Committee: Overall, to what extent was the criterion, <i>Usability</i> , met? Rationale:	3 C P M N		distinctive or additive value to existing NOF- endorsed measures (e.g., provides a more complete picture of quality for a particular condition or aspect of healthcare, is a more valid or efficient way to measure).
4. FEASIBILITY			
	Е		
Extent to which the required data are readily available, retrievable without undue burden, and can be	Ev		

implemented for performance measurement. (evaluation criteria)	al	
	Rat ing	
4a. Data Generated as a Byproduct of Care Processes	-	0 15/50/3 1 5 1/1 1
4a. Data deficiated as a byproduct of care Processes	4a ·	required data elements are routinely
4a.1-2 How are the data elements that are needed to compute measure scores generated?	P	generated concurrent with and as a byproduct of care processes during care delivery. (e.g.,
Data generated as byproduct of care processes during care delivery (Data are generated and used by	M	BP recorded in the electronic record, not
healthcare personnel during the provision of care, e.g., blood pressure, lab value, medical condition)	N	abstracted from the record later by other personnel; patient self-assessment tools, e.g.,
		depression scale; lab values, meds, etc.)
4b. Electronic Sources		Comment [KP27]: 4b. The required data
	4b	elements are available in electronic sources. If the required data are not in existing
4b.1 Are all the data elements available electronically? (elements that are needed to compute measure scores are in defined, computer-readable fields, e.g., electronic health record, electronic claims)	C D	electronic sources, a credible, near-term path
No	M	to electronic collection by most providers is specified and clinical data elements are
		specified for transition to the electronic health
4b.2 If not, specify the near-term path to achieve electronic capture by most providers. Not applicable.	N	record.
4c. Exclusions	4c	Comment [KP28]: 4c. Exclusions should not
4.4 D. the securities and explosions are simple additional data are made become decided in a continual facility	C	require additional data sources beyond what is required for scoring the measure (e.g.,
4c.1 Do the specified exclusions require additional data sources beyond what is required for the numerator and denominator specifications?	P M	numerator and denominator) unless justified as
No		supporting measure validity.
	N	
4c.2 If yes, provide justification.	NA	
4d. Susceptibility to Inaccuracies, Errors, or Unintended Consequences		Comment [KP29]: 4d. Susceptibility to
4d. Susceptibility to Inaccuracies, Errors, or Unintended Consequences		Comment [KP29]: 4d. Susceptibility to inaccuracies, errors, or unintended
4d.1 Identify susceptibility to inaccuracies, errors, or unintended consequences of the measure and		
		inaccuracies, errors, or unintended consequences and the ability to audit the data
4d.1 Identify susceptibility to inaccuracies, errors, or unintended consequences of the measure and describe how these potential problems could be audited. If audited, provide results. The analysis previously reported indicates that the data elements for the current measure have some inaccuracies that result in inconsistencies on triggering a particular case or in the inclusion or exclusion of a		inaccuracies, errors, or unintended consequences and the ability to audit the data
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The data collection method is already in operational use, and there are no issues with these areas.	N
4e.2 Costs to implement the measure (<i>costs of data collection, fees associated with proprietary measures</i>): Data are collected as part of an existing process with no additional cost.	
4e.3 Evidence for costs: This is not applicable.	
4e.4 Business case documentation: The proposed measure relies on data from the MDS 3.0. As there is no change in the data collection method for the MDS 3.0 as compared with its predecessor, the MDS 2.0, we do not anticipate any additional burden to nursing facilities. MDS 2.0, and soon to be MDS 3.0, data are collected as part of an existing, federally mandated process used for payment and quality monitoring purposes.	
TAP/Workgroup: What are the strengths and weaknesses in relation to the subcriteria for Feasibility?	4
Steering Committee: Overall, to what extent was the criterion, <i>Feasibility</i> , met? Rationale:	4 C P M N
RECOMMENDATION	
(for NQF staff use) Check if measure is untested and only eligible for time-limited endorsement.	Tim e- limit ed
Steering Committee: Do you recommend for endorsement? Comments:	Y N A
CONTACT INFORMATION	
Co.1 Measure Steward (Intellectual Property Owner) Co.1 Organization Centers for Medicare & Medicaid Services, 7500 Security Boulevard, Mail Stop S3-02-01, Baltimore, Maryland, 21244-1850 Co.2 Point of Contact Judith, Tobin, PT, MBA, Judith.Tobin@cms.hhs.gov, 410-786-6892-	
Measure Developer If different from Measure Steward Co.3 Organization RTI International, 1440 Main Street, Suite 310, Waltham, Massachusetts, 02451-1623	
Co.4 Point of Contact Roberta, Constantine, RN, MBA, PhD, rconstantine@rti.org, 781-434-1711-	
Co.5 Submitter If different from Measure Steward POC Roberta, Constantine, RN, MBA, PhD, rconstantine@rti.org, 781-434-1711-, RTI International	
Co.6 Additional organizations that sponsored/participated in measure development	
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.

This technical expert panel met during 2 days in January 2009 to review an environmental scan of the current quality measures and to make recommendations regarding their transition from MDS 2.0 to MDS 3.0.

See attached Table 2: Nursing Home Quality Measures Technical Expert Panel (January 2009).

Ad.2 If adapted, provide name of original measure: This measure was adapted from the measure of the same name derived from MDS 2.0 data.

Ad.3-5 If adapted, provide original specifications URL or attachment

http://www.cms.hhs.gov/NursingHomeQualityInits/downloads/NHQIQMUsersManual.pdf

Measure Developer/Steward Updates and Ongoing Maintenance

Ad.6 Year the measure was first released: 2002

Ad.7 Month and Year of most recent revision: 02, 2010

Ad.8 What is your frequency for review/update of this measure? Every 3 years

Ad.9 When is the next scheduled review/update for this measure? 02, 2013

Ad.10 Copyright statement/disclaimers:

Ad.11 -13 Additional Information web page URL or attachment: Attachment Pneumococcal Vaccine Long Stay tables_FINAL.doc

Date of Submission (MM/DD/YY): 10/08/2010

1c. The measure focus is:

- an outcome (e.g., morbidity, mortality, function, health-related quality of life) that is relevant to, or associated with, a national health goal/priority, the condition, population, and/or care being addressed;
 OR
- if an intermediate outcome, process, structure, etc., there is evidence that supports the specific measure focus as follows:
 - o <u>Intermediate outcome</u> evidence that the measured intermediate outcome (e.g., blood pressure, Hba1c) leads to improved health/avoidance of harm or cost/benefit.
 - o <u>Process</u> evidence that the measured clinical or administrative process leads to improved health/avoidance of harm and
 - if the measure focus is on one step in a multi-step care process, it measures the step that has the greatest effect on improving the specified desired outcome(s).
 - o <u>Structure</u> evidence that the measured structure supports the consistent delivery of effective processes or access that lead to improved health/avoidance of harm or cost/benefit.
 - o <u>Patient experience</u> evidence that an association exists between the measure of patient experience of health care and the outcomes, values and preferences of individuals/ the public.
 - o <u>Access</u> evidence that an association exists between access to a health service and the outcomes of, or experience with, care.
 - o <u>Efficiency</u> demonstration of an association between the measured resource use and level of performance with respect to one or more of the other five IOM aims of quality.