

**New York State Department of Health**  
**2014 Nursing Home Quality Initiative**  
**Interpreting the Facility's One-Page Report**

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The facility-level report is comprised of five areas: [1] quality component, [2] compliance component, [3] efficiency component, [4] scoring, and [5] determination of ineligibility.

## 1. Quality Component

The quality component contains 14 quality measures worth a combined maximum of 70 points. Each measure is weighted equally. The quality component consists of the MDS 3.0 quality measures (using all four quarters of 2013), the staffing measures (using the CMS five-star quality rating for staffing as of April 1, 2014 and the annual level of temporary contract/agency staff used from 2013 nursing home certified cost report data), and the NYS-specific employee flu immunization measure (using data from the 2013-2014 flu season).

### *MDS 3.0 quality measures*

- The 'Value' column shows the rates of each MDS 3.0 quality measure. A value of 'SS' (small sample) indicates that the denominator for the measure was less than 30 and thus the sample was too small to create a meaningful rate. This did not result in a loss of points. In cases of a small sample size, the maximum points that the facility could obtain were reduced from the base and its final score divided by the maximum points available.
  - For example, if a facility has a small sample size on two of its quality measures (each worth 5 points), the maximum attainable points will be 90 rather than 100. The sum of its points will be divided by 90 to calculate its total score.
- The 'Quintile' column shows the quintile for which the facility qualified based on the distribution of values from all facilities in the Nursing Home Quality Initiative (NHQI). Quintile one is the top quintile, while five is the bottom.
  - Three quality measures were not separated into quintiles and will show 'NA' (not applicable) for their quintile assignment: *Percent of contract/agency staff used*, *Percent of employees vaccinated for influenza*, and *Percent of long stay residents who received the pneumococcal vaccine*. These quality measures are assigned all or no points based on threshold values.
    - For the employee flu vaccination and long stay pneumococcal vaccination measures, a rate of 85% or higher in these measures resulted in five points awarded, while a rate below 85% resulted in zero points. If the measure had too small of a sample size and the value indicates 'SS', the quintile will indicate 'NA'.
    - For the annual level of temporary contract/agency staff measure, a rate of 10% or higher resulted in zero points, while a rate of less than 10% resulted in five points awarded.
- The 'Points' column shows the number of points awarded to the facility based on its performance in the measure.

### *Staffing measures*

- CMS five-star quality rating for staffing
  - The 'Value' column shows the number of stars awarded by CMS' five-star rating as of April 2014. A value of 'NA' indicates that data from CMS was not available, or the facility was too new to rate. In this case, the facility was not penalized and the base was reduced.
  - This measure does not require a quintile ranking and will indicate 'NA'.

- The 'Points' column shows the number of points awarded to the facility based on the number of stars it received.
- Annual level of temporary contract/agency staff used
  - The 'Value' column shows the percent of temporary contract/agency staff used by the facility in 2013. This value was calculated using the 2013 nursing home cost report data.
    - A value of 'DNS' (did not submit) indicates that the facility did not submit cost report data. In this case, the facility received zero points and the base was not reduced.
    - A value of 'NA' indicates that the facility was not required to submit the level of data needed to calculate a rate because the facility was designated as a Part 1 filer. In this case, the facility was not penalized and the base was reduced.
  - This measure does not require a quintile ranking and will indicate 'NA'.
  - The 'Points' column shows the number of points awarded. Five points were awarded for a rate of temporary contract/agency staff of less than 10%. Zero points were awarded for a rate of 10% or higher.

*NYS-specific employee flu immunization measure - Percent of employees vaccinated for the flu*

- The 'Value' column shows the percent of nursing facility staff who received the flu vaccine. A value of 'DNS' indicates that the facility did not submit employee flu immunization data. In this case, the facility received zero points and the base was not reduced.
- This measure does not require a quintile ranking and will indicate 'NA'.
- The 'Points' column shows the number of points awarded. Five points were awarded if the rate was 85% or higher. Zero points were awarded if the rate was less than 85%.

## **2. Compliance Component**

The compliance component contains three measures worth a combined maximum of 20 points. The NYS regionally adjusted five-star health inspection rating as of April 1, 2014 is worth ten points and is adjusted for regional variation by NY. The timely submission of 2013 nursing home certified cost reports and timely submission of 2013 employee flu immunization data are each worth five points.

*NY five-star quality rating for health inspections*

- The 'Value' column shows the number of stars awarded by the five-star rating. A value of 'NA' indicates that health inspection score data from CMS was not available, or the facility was too new to rate. In this case, the facility was not penalized and the base was reduced.
- This measure does not require a quintile ranking and will indicate 'NA'.
- The 'Points' column shows the number of points awarded to the facility based on its five-star rating.
- Ten points are awarded for obtaining five stars or the top 10 percent (lowest 10 percent in terms of health inspection deficiency score). Seven points are awarded for four stars, four points for three stars, two point for two stars, and zero points for one star.

*Timely submission of nursing home certified cost reports and timely submission of employee flu immunization data*

- The 'Value' column indicates whether or not the facility submitted the data by the established deadline.
- This measure does not require a quintile ranking and will indicate 'NA'.
- The 'Points' column shows the number of points awarded to the facility.
- Timely submission of nursing home certified cost reports
  - Five points are awarded if the value is 'Yes', and zero points if the value is 'No'.

- Timely submission of employee flu immunization data
  - November 15, 2013 deadline: two and a half points awarded if the value is ‘Yes’, and zero points if the value is ‘No’.
  - May 1, 2014 deadline: two and a half points awarded if the value is ‘Yes’, and zero points if the value is ‘No’.

### 3. Potentially Avoidable Hospitalization Component

The potentially avoidable hospitalizations component was based on all four quarters of 2013. It indicates the number of potentially avoidable hospitalizations per 10,000 long stay days and is worth 10 points. This measure was calculated by summing the number of potentially avoidable hospitalizations for long stay residents and dividing by the total number of days for all long stay episodes. The rates were then risk adjusted.

- The ‘Value’ column shows the number of potentially avoidable hospitalizations per 10,000 long stay days.
- The ‘Quintile’ column shows the quintile for which the facility qualified based on the distribution of values from all facilities in the NHQI.
- The ‘Points’ column shows the number of points awarded to the facility based on its quintile.
- 10 points awarded for obtaining the first quintile, 8 points for the second quintile, 6 points for the third quintile, two points for the fourth quintile, and zero points for the fifth quintile.

### 4. Scoring

The scoring component contains the overall score and the quintile ranking.

#### *Overall score*

- The ‘Points’ column shows the sum of the points earned for each measure, divided by the total base of points for the facility, multiplied by 100. The example below provides a mathematical illustration of this method.

	Facility A No small sample size (no reduction of base points)	Facility B Small sample size on two quality measures, each worth 5 points (10- point reduction of base points)
<b>Sum of points</b>	80	80
<b>Base points</b>	100	90
<b>Score (points/maximum)</b>	.80	.89
<b>Score x 100</b>	80%	89%

- For reporting purposes, points for individual measures and the overall score were rounded to the tenth decimal place at the completion of the quality initiative. Therefore, the sum of the points shown on the report may not equal the overall score on the report.

#### *Quintile ranking*

- The ‘Quintile’ column shows the quintile for which the facility qualified based on the distribution of scores from all facilities in the NHQI. The first quintile is the top, while the fifth quintile is the bottom.

## **5. Determination of Ineligibility**

The determination of ineligibility section indicates that a facility had a level J, K, or L deficiency between July 1 of the measurement year (2013) and June 30 of the reporting year (2014), making it ineligible for the quintile ranking. The overall score and quintile ranking are displayed for these facilities to show where they would have placed in the rankings if they had not received a level J, K, or L deficiency.