

The New CMS Nursing Home 5-Star Quality Rating System

**HSAG Pressure Ulcer Collaborative
Learning Session 2
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Domains

- Health Survey Inspections
 - Surveys
 - Complaints
 - Revisits
- Staffing
- Quality Measures

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Health Survey Inspections

- Three most recent standard surveys
 - Points based on scope and severity of deficiency
 - Most recent survey weighted more heavily
 - Most recent survey = 1/2
 - 2nd survey = 1/3
 - 3rd survey = 1/6
- Complaint investigations in most recent three-year period

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Survey Points

Table 1
Health Inspection Score: Weights for Different Types of Deficiencies

Severity	Scope		
	Isolated	Pattern	Widespread
Immediate jeopardy to resident health or safety	J 50 points (75 points)	K 100 points (125 points)	L 150 points (175 points)
Actual harm that is not immediate jeopardy	G 20 points	H 35 points (40 points)	I 45 points (50 points)
No actual harm with potential for more than minimal harm that is not immediate jeopardy	D 4 points	E 8 points	F 16 points (20 points)
No actual harm with potential for minimal harm	A 0 point	B 0 points	C 0 points

Note: Figures in parentheses indicate points for deficiencies that are for substandard quality of care. Shaded cells denote deficiency scope/severity levels that constitute substandard quality of care if the requirement which is not met is one that falls under the following federal regulations: 42 CFR 483.13 resident behavior and nursing home practices; 42 CFR 483.15 quality of life; 42 CFR 483.25 quality of care.

Source: Centers for Medicare & Medicaid Services

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Revisits

- Any needed repeat visits to verify facility is back in compliance
 - No points assigned for 1st revisit
 - Points assigned for 2nd, 3rd and 4th revisits

Table 2
Weights for Repeat Revisits

Revisit Number	Noncompliance Points
First	0
Second	50 points
Third	75 additional points
Fourth	100 additional points

Relative Performance

- Based on performance of facilities within a state.
 - The top 10 percent (lowest 10 percent in terms of health inspection deficiency score) in each state receive a five-star rating.
 - The middle 70 percent of facilities receive a rating of two, three, or four stars—with an equal number (approximately 23.33 percent) in each rating category.
 - The bottom 20 percent receive a one-star rating.

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Staffing Domain

- Total nursing hours per resident per day
 - RN + LPN + CNA hours
 - Includes nurses aides in training and medication aides
- RN hours per resident day
 - Includes DON and nurses with admin. duties
- Source data is OSCAR
- Equally weighted

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Staffing Domain Scoring

Table 3:
Scoring Method and Thresholds¹ for Proposed Staffing Measures

Rating	Definition	Range (adjusted hours per resident day)	
		RN	Total
1	<25 th percentile of distribution for freestanding facilities	<0.220	<2.946
2	at least 25 th percentile but less than median of the distribution for freestanding facilities	0.220-0.297	2.946-3.316
3	greater than or equal to the median but less than the 75 th percentile of the distribution for freestanding facilities	0.298-0.403	3.317 – 3.774
4	greater than or equal to the 75 th percentile of the distribution for freestanding facilities but less than the CMS staffing study threshold	0.404-0.549	3.775 – 4.079
5	at or exceeding the thresholds identified in the CMS staffing study ²	≥ 0.550	≥ 4.080

¹Except for the top cut point (to achieve a five-star rating), the cut points shown are based on the distribution in the test data. The cut points that will be used at the time public reporting begins are based on data reported to CMS as of 11/4/2008, are shown in the Appendix (Table A2), and will be maintained at that fixed baseline level for two years.

²Note that the 0.55 RN threshold was identified for potentially avoidable hospitalizations (short-stay measures); the 4.08 threshold is the sum of the NA (2.78) and licensed staff (1.30) threshold for long-stay measures.

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Staffing Domain Scoring

Table 4
Staffing Points and Rating

RN rating and hours		Total staffing rating and hours (RN, LPN and aide)				
		1	2	3	4	5
		<25 th percentile	≥25 th percentile, < median	≥ median, <75 th percentile	≥75 th percentile, < 4.08	≥4.08
1	<25 th percentile	★	★	★★	★★	★★★
2	≥25 th percentile, < median	★	★★	★★★	★★★	★★★★
3	≥ median, <75 th percentile	★★	★★★	★★★★	★★★★	★★★★
4	≥75 th percentile, < 0.55	★★	★★★	★★★★	★★★★	★★★★
5	≥ 0.55 hours	★★★	★★★★	★★★★	★★★★	★★★★★

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Quality Measure Domain

- Long-Stay Residents:
 - Percent of residents whose need for help with daily activities has increased
 - Percent of residents whose ability to move about in and around their room got worse
 - Percent of high risk residents who have pressure sores
 - Percent of residents who had a catheter inserted and left in their bladder
 - Percent of residents who were physically restrained
 - Percent of residents with urinary tract infection
 - Percent of residents with moderate to severe pain
- Short-stay residents:
 - Percent of residents with pressure ulcers (sores)
 - Percent of residents with moderate to severe pain
 - Percent of residents with delirium

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Quality Measure Scoring

- Most recent 3 quarters of data available
 - Long stay: must have at least 30 assessments to calculate
 - Short stay: must have at least 20 assessments to calculate
- ADL measures weighted more heavily
- Missing data imputed based on statewide average for the measure

Quality Measure Scoring

Table 6
Points received for QMs based on the QMs percentile¹

	ADL QMs	Other QMs
<20 th percentile	20	12
20 th - <40 th percentile	15	9
40 th - <60 th percentile	10	6
60 th - <80 th	5	3
80 th percentile or greater	0	0

¹Note that percentiles are determined on a Statewide basis for ADL QMs and on a national basis for all other QMs.

- The top 10 percent receive a five-star rating.
- The middle 70 percent of facilities receive a rating of two, three, or four stars, with an equal number (23.33 percent) in each rating category.
- The bottom 20 percent receive a one-star rating.

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Overall Rating

Step 1: Start with the health inspection five-star rating.

Step 2: Add one star to the Step 1 result if staffing rating is four or five stars and greater than the deficiency rating; subtract one star if staffing is one star.*

Step 3: Add one star to the Step 2 result if QM rating is five stars; subtract one star if QM rating is one star.*

Step 4: If the Health Inspection rating is one star, then the Overall Quality rating cannot be upgraded by more than one star based on the Staffing and Quality Measure ratings.

Step 5: If the nursing home is a Special Focus Facility (SFF) that has not graduated, the maximum Overall Quality rating is three stars.

*The overall rating cannot be more than five stars or less than one star.

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Questions?

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Over 1 million drug-related injuries occur every year in health care settings. The Institute of Medicine estimates that at least a quarter of these injuries are preventable.

To find out how to prevent medication errors, go to
<http://www.hsag.com/drugsafety/>.



www.hsag.com

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