

Staffing Measure Calculation for July 1, 2024, Rates

Starting Point: CMS Staffing Data

- ODM uses CMS data publicly available here:
<https://data.cms.gov/provider-data/search?theme=Nursing%20homes%20including%20rehab%20services>
- Use the “Provider Information” files from January 2024, October 2023, July 2023, and April 2023 (these contain data from Q3, Q2, and Q1 2023 and Q4 2022)
- To get the older files, you have to go to the archived datasets:
<https://data.cms.gov/provider-data/archived-data/nursing-homes>
- Files have data on a variety of measures for all SNFs in the country, identified by their Medicare numbers

Select Adjusted Total Nurse Staffing Hours Per Resident Day

- ODM uses this measure only, among the multiple staffing measures included in the data reports
- Make sure it is as case-mix adjusted, not as reported
- The data for the measure are in column BJ, except for the April 2023 report where they are in column BH

Find Cut Points

- Cut points are in CMS Five-Star Technical Users' Guide, April 2024 edition: <https://www.cms.gov/medicare/provider-enrollment-and-certification/certificationandcompliance/downloads/usersguide.pdf>
- Go to table A2 on page 27 and use “Adjusted Total Nurse Staffing (Hours per Resident per Day)”:

Adjusted Total Nurse Staffing (Hours per Resident per Day)	100	4.954	Or higher
	90	4.429	4.953
	80	4.105	4.428
	70	3.869	4.104
	60	3.653	3.868
	50	3.445	3.652
	40	3.248	3.444
	30	3.030	3.247
	20	2.747	3.029
	10	0.000	2.746

Apply Cut Points

- Utilize every other cut point in the table (quintiles instead of deciles):
 - 3.029
 - 3.444
 - 3.868
 - 4.428
 - 4.953
- Set your formulas to look for “>” each of the cut points because the data in the CMS Provider Information tables are expressed at five decimal points instead of three
- This will generate the number of “CMS points” (i.e., points used for 5-Star)

Convert to “Ohio Points”

- Divide CMS points by 20
- If the result is 1 point, reduce to 0
- Array of points is 0, 2, 3, 4, 5