



How to Quantify Your Quality Improvement Goals

Step 1: Determine your desired relative improvement rate for the quality measure of interest. For example, your home's goal may be to reduce your long-stay antipsychotic medication measure by 15%.

Step 2: Obtain your current quality measure (QM) score of interest along with associated numerator and denominator counts from CASPER reports.

Step 3: Multiply your current QM numerator by (100 – desired relative improvement percent), then divide by 100 and round down to the nearest whole number. This will be your target numerator count to achieve your desired improvement.

Step 4: Subtract your target numerator from your current QM numerator to obtain your resident reduction goal.

Example:

1. Goal is to reduce long-stay antipsychotic medication measure by **15%**
2. Current score: **21/82 = 25.61%**
3. Target QM numerator:
 $21 * (100-15) = 17.85$ → rounded down to nearest whole number means **17** is the target numerator.
100
4. Resident reduction goal: **21 – 17 = 4** less residents on unnecessary antipsychotic medications.

In the example above, the home would need to reduce their numerator by 4 residents from 21 at baseline down to 17 at follow-up to achieve a 15% relative improvement rate for the antipsychotic medication measure.

These calculations are assuming that the number of residents meeting denominator criteria at baseline and follow-up remains the same. In the above example, the reduced rate would be $17/82 = 20.73\%$.