



## How to Quantify Your QI 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 QM score of interest along with associated numerator and denominator counts from the CASPER MDS 3.0 Facility-Level Quality Measure Report.

**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 in order 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 =

$$\frac{21 * (100-15)}{100} = 17.85 \rightarrow \text{rounded down to nearest whole number} = 17 \text{ is the target numerator}$$

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 in order 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  $17/82 = 20.73\%$ .



### Calculation Worksheet:

Insert your goal for % improvement in the blue box and subtract from 100

1)  $100 - \boxed{\phantom{00}} = \boxed{\phantom{00}}$

In Step 2, multiply this number by your current QM numerator

Current QM numerator from CASPER report

2)  $\boxed{\phantom{00}} \times \boxed{\phantom{00}} = \boxed{\phantom{00}}$

In Step 3, divide this number by 100 and round down to nearest integer to obtain your target QM numerator

3)  $\boxed{\phantom{00}} \div 100 \rightarrow \text{Round down to nearest integer} = \boxed{\phantom{00}}$

Current QM numerator from CASPER report

4)  $\boxed{\phantom{00}} - \boxed{\phantom{00}} = \boxed{\phantom{00}}$

In Step 4, subtract this target QM numerator from your current QM numerator to get your resident reduction goal

