INSTRUCTIONS FOR USING THIS TOOL – DELETE THIS SLIDE BEFORE PRESENTATION

- Use this PowerPoint presentation as a template for your presentation.
- Replace the charts with charts that you create with your data (use the Excel workbook from Tool B.3a for guidance) and replace the red text with your hospital’s information.
The Toolkit for Using the AHRQ Quality Indicators

Results and Discussion of Data Analysis
How can the AHRQ QIs be used in quality assessment?

- AHRQ QIs can be used to flag potential problems in quality of care.
- AHRQ QIs can be used to assess performance and compare against peer hospitals.
- Examples of hospital use of AHRQ QIs in the literature have examined the impact of:
  - Health information technology on quality of care.
  - Hospital board quality committees on quality of care.
  - The effectiveness of nurse staffing on care delivered.

Source: [www.qualityindicators.ahrq.gov/Default.aspx](http://www.qualityindicators.ahrq.gov/Default.aspx) and AHRQ Quality Indicator Toolkit Literature Review.
Relative to a sample of similar hospitals, Your Hospital has similar or better performance on most of the IQIs.
Relative to a sample of similar hospitals, Your Hospital has similar or better performance on many of the PSIs. However, Pressure Ulcers (PSI 03) occur at higher rates than the national average – this may be an area where Your Hospital should focus quality improvement efforts.
Relative to a sample of similar hospitals, Your Hospital has similar or better performance on most of the PDIs.
In this example, we will examine the rates of Pressure Ulcers (PSI 03) and how this particular hospital performed over time.

Determine which indicator(s) you would like to focus on, and fill in these slides based on that indicator and your hospital’s data.

Based on the information that you would like to present, you may choose not to use all of the slides available here.
Indicators that Require Attention

• Based on a review of Your Hospital’s performance on the PSIs, we have decided to focus on the following indicators:
  - Pressure Ulcers (PSI 03)
You may want to include information about the indicator as background information.

Go to www.qualityindicators.ahrq.gov/ or see the Fact Sheets in this toolkit (Tools A.1a, A.1b, A.1c) to obtain this information.
A PSI Example: Pressure Ulcer (PSI 03)

• Numerator: Discharges, among cases meeting the inclusion and exclusion rules for the denominator, with any secondary ICD-10-CM diagnosis codes for pressure ulcer and any secondary ICD-10-CM diagnosis codes for pressure ulcer stage III or IV (or unstageable).

• Denominator: Surgical or medical discharges, for patients ages 18 years and older. Surgical and medical discharges are defined by specific DRG or MS-DRG codes.

• DELETE THIS TEXT BEFORE PRESENTATION:
Replace this information with information about your chosen indicators. Copy this slide and repeat as necessary.

ICD-10-CM = International Classification of Diseases, 10th Revision; DRG = diagnosis-related group.
Comparing Performance Over Time

Examining Observed Rates of Pressure Ulcers (PSI 03)

*Note: Use caution comparing rates before and after 2014. Rates before the 4th quarter of 2014 are calculated using ICD-9-CM diagnosis codes; rates calculated during the 4th quarter of 2014 and later use ICD-10-CM. The rates should be similar but may not yield a perfect comparison between years.
Slides below are only applicable for ICD-9 versions of the software. Currently the ICD-10 software does not calculate expected, risk-adjusted, or smoothed rates, but will in the future.
Comparing Observed Performance to Expected Performance Over Time

Comparing Observed Rates of Pressure Ulcers (PSI 03) to Expected Rates

Per 1,000 Cases

- Observed
- Expected
Comparing Risk-Adjusted and Smoothed Rates Over Time

Risk-Adjusted and Smoothed Rates of Pressure Ulcers (PSI 03)

- Risk-Adjusted Rate
- Risk-Adjusted (Lower Confidence Interval Bound)
- Risk-Adjusted (Upper Confidence Interval Bound)
- Smoothed
Evaluating Case Mix Relative to Other Hospitals

Comparing Expected Rates of Pressure Ulcers (PSI 03) to National Average Rates To Compare Case Mix

Per 1,000 Cases

- Expected
- National Average

2006 to 2016
Comparing Hospital’s Performance to National Performance Over Time

Comparing Risk-Adjusted Rates of Pressure Ulcers (PSI 03) to National Average Rates

- Risk-Adjusted Rate
- Risk-Adjusted (Lower Confidence Interval Bound)
- Risk-Adjusted (Upper Confidence Interval Bound)
- National Average