

# Patient Safety for Selected Indicators Technical Specifications

## Patient Safety Indicators #90 (PSI #90)

AHRQ Quality Indicators™, Version 4.5, May 2013

Provider-Level Indicator

Type of Score: Ratio

### Description

The weighted average of the observed-to-expected ratios for the following component indicators:

- PSI #3 Pressure Ulcer Rate
- PSI #6 Iatrogenic Pneumothorax Rate
- PSI #7 Central Venous Catheter-Related Blood Stream Infection Rate
- PSI #8 Postoperative Hip Fracture Rate
- PSI #9 Perioperative Hemorrhage or Hematoma Rate
- PSI #10 Postoperative Physiologic and Metabolic Derangement Rate
- PSI #11 Postoperative Respiratory Failure Rate
- PSI #12 Perioperative Pulmonary Embolism or Deep Vein Thrombosis Rate
- PSI #13 Postoperative Sepsis Rate
- PSI #14 Postoperative Wound Dehiscence Rate
- PSI #15 Accidental Puncture or Laceration Rate

The weights include component weights and shrinkage weights. The component weights are numerator weights, defined as the relative frequency of the numerators for the component indicators in the reference population. The shrinkage weights are the signal-to-noise ratio, where the signal variance is estimated from the reference population, and the noise variance is estimated from the user's data and is unique to each provider in the user's data.

For more information, see *Quality Indicator Empirical Methods*.

### Numerator

Not applicable.

### Denominator

Not applicable.