

Patient Safety for Selected Indicators

Technical Specifications

Patient Safety Indicators 90 (PSI 90)

AHRQ Quality Indicators™, Enhanced Version 5.0

October 2015

Provider-Level Indicator

Type of Score: Ratio

Description

The weighted average of the reliability-adjusted observed-to-expected ratios (indirect standardization of the smoothed rates) for the following component indicators:

- PSI 03 Pressure Ulcer Rate
- PSI 06 Iatrogenic Pneumothorax Rate
- PSI 07 Central Venous Catheter-Related Blood Stream Infection Rate
- PSI 08 Postoperative Hip Fracture Rate
- PSI 09 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 reliability-adjusted weights. The component weights are numerator weights, defined as the relative frequency of the numerators for the component indicators in the reference population. The reliability-adjusted 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.