The Agency for Healthcare Research and Quality (AHRQ) has developed four types of Quality Indicators (QIs), measures of healthcare quality, that make use of hospital inpatient discharge data. **Patient Safety Indicators (PSIs)** are measures that represent hospitalization rates for potentially-preventable adverse events that occur during a hospital stay. They provide a perspective on complications and iatrogenic events and help assess total incidence within a region.

### Area-Level (Statewide, County) hospitalization rates are provided for the following PSI measures:
- **PSI #21 Retained Surgical Item or Unretrieved Device Fragment Rate**
- **PSI #22 Iatrogenic Pneumothorax Rate**
- **PSI #23 Central Venous Catheter-Related Blood Stream Infection Rate**
- **PSI #24 Postoperative Wound Dehiscence Rate**
- **PSI #25 Accidental Puncture or Laceration Rate**
- **PSI #26 Transfusion Reaction Rate**
- **PSI #27 Perioperative Hemorrhage or Hematoma Rate**

The technical specifications for the above indicators can be found at [www.qualityindicators.ahrq.gov/Modules/PSI_TechSpec.aspx](http://www.qualityindicators.ahrq.gov/Modules/PSI_TechSpec.aspx).

### How to use the Excel PSI multi-year tool:
The Excel PSI multi-year product allows you to select the data for a specific year or specific county. Use the pull-down arrow in the cells located just below the "Year" and "County" headers to make your selection.

### Technical Notes:
All rates in the PSI module are "observed", not "risk-adjusted." Prior to 2010, Misadventure/Abnormal Reaction E-Codes (E870-E879) were not required to be reported in the source data, possibly resulting in the underestimation of any PSI rates based on those E-Codes.

### Data Sources:
- **Numerator**: AHRQ, Patient Safety Indicators, Version 4.5a; OSHPD CA Patient Discharge Data.
- **Denominator**: AHRQ, Population File, Version 4.5a, U.S. Census Bureau.

More information about the AHRQ Quality Indicators is available at [www.qualityindicators.ahrq.gov](http://www.qualityindicators.ahrq.gov).

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