

# AHRQ PATIENT SAFETY INDICATORS

Transitioning from v5.0 to v6.0

June 27, 2018

# PSI DESCRIPTIONS

## Patient Safety Indicators v5.0

## Patient Safety Indicators v6.0





Indicator	Indicator
PSI 02 (v5.0e) Death in Low-mortality DRGs	PSI 02 Death in Low-mortality DRGs
PSI 03 (v5.0e) Pressure Ulcer	PSI 03 Pressure Ulcer
PSI 04 (v5.0e) Death in Surgical IP w/Ser Comp,Overall	PSI 04 Death in Surgical IP w/Ser Comp, Overall
PSI 05 (v5.0e) Retained Surgical Item/Device Fragment	PSI 05 Retained Surgical Item/Device Fragment
PSI 06 (v5.0e) Iatrogenic Pneumothorax	PSI 06 Iatrogenic Pneumothorax
PSI 07 (v5.0e) Central Venous Catheter-related BSI	PSI 07 Central Venous Catheter-related BSI
PSI 08 (v5.0e) Postoperative Hip Fracture	PSI 08 In-Hospital Fall with Hip Fracture
PSI 09 (v5.0e) Perioperative Hemorrhage or Hematoma	PSI 09 Perioperative Hemorrhage or Hematoma
PSI 10 (v5.0e) Postop Physiologic/Metabolic Derangement	PSI 10 Postop Acute Kidney Injury Requiring Dialysis
PSI 11 (v5.0e) Postoperative Respiratory Failure	PSI 11 Postoperative Respiratory Failure
PSI 12 (v5.0e) Perioperative Pulmonary Embolism or DVT	PSI 12 Perioperative Pulmonary Embolism or DVT
PSI 13 (v5.0e) Postoperative Sepsis	PSI 13 Postoperative Sepsis
PSI 14 (v5.0e) Postoperative Wound Dehiscence	PSI 14 Postoperative Wound Dehiscence
PSI 15 (v5.0e) Accidental Puncture or Laceration	PSI 15 Accidental Puncture or Laceration
PSI 16 (v5.0e) Transfusion Reaction	PSI 16 Transfusion Reaction
PSI 17 (v5.0e) Birth Trauma/Injury to Neonate	PSI 17 Birth Trauma/Injury to Neonate
PSI 18 (v5.0e) Obstetric Trauma, Vag Deliv w/ Instrument	PSI 18 Obstetric Trauma, Vag Deliv w/ Instrument
PSI 19 (v5.0e) Obstetric Trauma, Vag Deliv w/o Instrument	PSI 19 Obstetric Trauma, Vag Deliv w/o Instrument

# IMPACT TO DATA – PSI 90

## DATA - Patient Safety Indicators v5.0 compared to v6.0

*same time period*

**PSI 90**

Indicator	v5.0	v6.0
PSI 03 Pressure Ulcer - Per 1000 IPs 	<b>1.197</b>	<b>0.611</b>
PSI 06 Iatrogenic Pneumothorax - Per 1000 IPs	<b>0.120</b>	<b>0.119</b>
PSI 07 Central Venous Catheter-related BSI- Per 1000 IPs	<b>0.344</b>	0.341
PSI 08 In Hospital Fall with Hip Fracture - Per 1000 IPs	<b>0</b>	<b>0</b>
PSI 09 Perioperative Hemorrhage or Hematoma - Per 1000 IPs	1.357	<b>1.323</b>
PSI 10 Postop Acute Kidney Injury Requiring Dialysis - Per 1000 IPs	0	<b>0</b>
PSI 11 Postoperative Respiratory Failure - Per 1000 IPs	3.690	<b>3.708</b>
PSI 12 Perioperative Pulmonary Embolism or DVT - Per 1000 IPs 	<b>4.723</b>	<b>2.976</b>
PSI 13 Postoperative Sepsis - Per 1000 IPs 	<b>5.222</b>	<b>1.328</b>
PSI 14 Postoperative Wound Dehiscence - Per 1000 IPs	<b>0</b>	<b>0</b>
PSI 15 Accidental Puncture or Laceration - Per 1000 IPs 	<b>0.833</b>	<b>0</b>

Note the data differences in PSI 03, PSI 12, PSI 13, and PSI 15

# IMPACT TO DATA – MAJOR DIFFERENCES

## DATA - Patient Safety Indicators v5.0 compared to v6.0

*same time period*

**PSI 90**

Indicator	v5.0	v6.0	<u>diffs</u>	Notes
PSI 03 Pressure Ulcer - RATE	<b>1.197</b>	<b>0.611</b>	-49%	New version no longer excludes principle diagnosis of Pressure Ulcer, any cancer dx, nor immunocompromised states
PSI 03 Pressure Ulcer - (NUM)	<b>3</b>	<b>3</b>	0%	
PSI 03 Pressure Ulcer - (DEN)	<b>2506</b>	<b>4912</b>	96%	
PSI 08 In Hosp Fall w/Hip Fx - RATE	<b>0</b>	<b>0</b>	-	v5.0 was Post Operative Hip Fracture, v6.0 is now In-Hospital Fall with Hip Fracture
PSI 08 In Hosp Fall w/Hip Fx - (NUM)	<b>0</b>	<b>0</b>	-	
PSI 08 In Hosp Fall w/Hip Fx - (DEN)	<b>1549</b>	<b>5160</b>	233%	
PSI 10 Postop AKI Req Dialysis - RATE	<b>0</b>	<b>0</b>	-	v5.0 was Postop Physiologic/Metabolic Derangement, v6.0 is now Acute Kidney Injury Requiring Dialysis
PSI 10 Postop AKI Req Dialysis - (NUM)	<b>0</b>	<b>0</b>	-	
PSI 10 Postop AKI Req Dialysis - (DEN)	<b>2731</b>	<b>3030</b>	11%	

# IMPACT TO DATA – MAJOR DIFFERENCES, 2

## DATA - Patient Safety Indicators v5.0 compared to v6.0

*same time period*

**PSI 90**

Indicator	v5.0	v6.0	diffs	Notes
PSI 12 Periop PE or DVT - RATE	<b>4.723</b>	<b>2.976</b>	-37%	New version specifies Proximal (popliteal, femoral, or iliac) DVT, no longer including DVTs below the knee
PSI 12 Periop PE or DVT - (NUM)	<b>19</b>	<b>12</b>	-37%	
PSI 12 Periop PE or DVT - (DEN)	<b>4023</b>	<b>4032</b>	0%	
PSI 13 Postoperative Sepsis - RATE	<b>5.222</b>	<b>1.328</b>	-75%	New version no longer excludes cancer diagnoses, Pressure Ulcers Present on Admission, nor immunocompromised states
PSI 13 Postoperative Sepsis - (NUM)	<b>2</b>	<b>4</b>	100%	
PSI 13 Postoperative Sepsis - (DEN)	<b>383</b>	<b>3013</b>	687%	
PSI 15 Accid Puncture/Lac - RATE	<b>0.833</b>	<b>0</b>	-100%	New version includes only abdominopelvic procedures in Denominator and the second abdominopelvic procedure in the Numerator (Unrecognized Abdominopelvic).
PSI 15 Accid Punct/Lac - (NUM)	<b>7</b>	<b>0</b>	-100%	
PSI 15 Accid Punct/Lac - (DEN)	<b>8406</b>	<b>1765</b>	-79%	