

Patient Safety Indicators

Technical Report

A Supplement to the

Hospital Performance Report

2016 Data

Health Care Quality Assessment

**Office of Population Health
New Jersey Department of Health**

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Executive Summary

The Office of Health Care Quality Assessment (HCQA) of the New Jersey Department of Health assesses health care quality using qualitative and quantitative data reported by hospitals to support performance monitoring related to patient care and safety. Specifically, HCQA produces consumer reports on cardiac surgery, hospital performance, and hospital quality indicators; reviews confidential reports and root-cause analyses of reportable medical errors; and maintains several databases to support licensure requirements. In order to enhance information that the Department provides to the public regarding hospital care, HCQA staff apply statistical tools developed by the Federal Agency for Healthcare Research and Quality (AHRQ) to the New Jersey hospital discharge data commonly known as Uniform Billing (UB) data. This report presents findings resulting from the application of a statistical tool known as the Patient Safety Indicator (PSI) module to the 2016 New Jersey hospital discharge data. The PSI module currently in use contains 18 indicators that reflect the quality of care provided by hospitals. However, it should be noted that these indicators are meant to serve as flags for potential quality problems (adverse events) rather than provide definitive measures of quality of care. According to the AHRQ, the 18 indicators are selected based on their ability to screen out conditions present on admission from conditions that develop after admission, the potential preventability of the complication, and the ability of the indicator to identify medical error.

This report is a supplement to the Hospital Performance Report and covers only the 12 PSIs mandated for public reporting by law. **In 2009, legislation (S2471) was signed into law requiring that hospital-specific data on patient-safety performance and serious medical errors be included in the annual New Jersey Hospital Performance Report.** The data in this report present adverse events during hospitalization in each of the 71 licensed hospitals currently operating in the state. For the seven PSIs, risk-adjusted rates are provided along with confidence intervals to help make a statistical assessment of patient safety in the hospital. Statewide and national estimates are also provided to help compare hospital performance to the state or to the national rates.

Comparison of a hospital's rate to the statewide rate (presented in the top row of each of the PSI tables (Tables 1-11) is one way to assess how well that hospital performed among its peers in the state. A hospital's peers could be defined at many levels (e.g., teaching hospitals, urban hospitals, suburban hospitals, etc.). It is suggested that a hospital's performance be assessed by looking at its performance across the several PSI estimates presented in the tables.

The 2016 New Jersey data shows that there are substantial variations in risk-adjusted rates of adverse events by hospital. Some hospitals exhibit significantly higher risk-adjusted rates (risk-adjusted adverse event rates) than the corresponding statewide rates while others have significantly lower rates than the statewide rates.

Some Highlights

- Statewide, in 2016, there were a total of 13 cases of '*Retained surgical item or unretrieved device fragment*' -formerly called '*foreign body left during procedure*'. These 13 events were reported by 11 hospitals. Table 1 shows the distribution of these adverse events by hospital.
- Overall, there were 133 cases of '*Iatrogenic pneumothorax*' in 2016, for a risk-adjusted rate of 0.19 per 1,000 medical and surgical discharges. Hospital-specific rates for this indicator ranged from a low of 0.0 to a high of 0.54 per 1,000 medical and surgical discharges.
- Statewide, there were 418 '*Perioperative hemorrhage or hematoma*' cases in 2016, for a risk-adjusted rate of 2.39 per 1,000 surgical discharges. Hospital-specific rates for this indicator ranged from a low of 0.0 to a high of 5.51 per 1,000 surgical discharges.
- Statewide, there were 687 cases of '*Perioperative deep vein thrombosis (DVT) or pulmonary embolism (PE)*' in 2016, for a risk-adjusted rate of 3.99 per 1,000 surgical discharges. Hospital-specific rates for this indicator ranged from a low of 0.0 to a high of 23.52 per 1,000 surgical discharges (see Table 5).
- Statewide, there were 296 '*Postoperative sepsis*' cases reported in 2016 for a risk-adjusted rate of 3.79 per 1,000 elective surgery discharges. Seven hospitals had risk-adjusted rates that were statistically significantly higher than the statewide rate (see Table 6). Note that higher rate implies worse performance.
- Statewide, there were 25 '*Postoperative wound dehiscence*' cases reported in 2016 for a risk-adjusted rate of 0.53 per 1,000 abdominopelvic surgical discharges.
- There were 115 cases of '*Unrecognized Abdominopelvic Accidental Puncture/Laceration*' (formerly called '*Accidental punctures or lacerations*') cases reported by all 71 hospitals in 2016. The statewide risk-adjusted rate for occurrence of '*unrecognized abdominopelvic accidental puncture/laceration*' during procedure for the year was 0.94 per 1,000 discharges. Hospital-specific rates for this indicator ranged from a low of 0.0 to a high of 3.47 per 1,000 discharges.
- There were 238 cases of '*Birth trauma - injury to neonate*' reported statewide in 2016 for a rate of 2.45 per 1,000 live births. Similarly, there were 329 cases of obstetric trauma among instrument-assisted vaginal deliveries (for a rate of 82.96 per 1,000 deliveries) and 858 cases of obstetric trauma among vaginal deliveries without instrument (for a rate of 14.80 per 1,000).
- Compared to the national PSIs estimates (see Table 12), New Jersey appeared to have rates that were better than the national average for 8 of the 10 indicators that are measured using rates. New Jersey rates were consistently higher than

the national rates only for 'Perioperative pulmonary embolism or deep vein thrombosis' and 'Postoperative sepsis'.

- 'Transfusion Reaction', which was one of the 12 PSIs selected for inclusion in the Hospital Performance Report is no more included in this and future reports. AHRQ has decided to retire this PSI measure in its latest Version, which is based on the ICD-10-CMS diagnosis and procedure codes.

References:

- Updated Technical Specifications for each of the 11 PSIs presented in the following 11 Tables can be accessed on the AHRQ site below:
https://www.qualityindicators.ahrq.gov/Modules/PSI_TechSpec_ICD10_v2019.aspx
- <https://web.doh.state.nj.us/apps2/hpr/usingpsi.aspx>

Table 1. Retained Surgical Item or Unretrieved Device Fragment (formerly Foreign body left during procedure)

Hospital	# of cases
Statewide	13
Atlanticare Regional Medical Center-City Campus	0
Atlanticare Regional Medical Center-Mainland Campus	1
Bayshore Medical Center	0
Bergen Regional Medical Center	0
Cape Regional Medical Center	0
Capital Health Medical Center - Hopewell	0
Capital Health Regional Medical Center at Fuld	0
Carepoint Health - Bayonne Medical Center	0
Carepoint Health - Christ Hospital	0
Carepoint Health - Hoboken University MC	0
CentraState Medical Center	0
Chilton Medical Center	0
Clara Maass Medical Center	0
Community Medical Center	0
Cooper Hospital/University Medical Center	0
Deborah Heart and Lung Center	0
East Orange General Hospital	0
Englewood Hospital and Medical Center	0
Hackensack Meridian Health Pascack Valley MC	0
Hackensack University Medical Center	1
HackensackUMC - Mountainside	2
Hackettstown Regional Medical Center	0
Holy Name Medical Center	0
Hudson Regional Hospital	0
Hunterdon Medical Center	0
Inspira Medical Center - Elmer	0
Inspira Medical Center - Woodbury	0
Inspira Medical Centers, Inc	1
Inspira Medical Center-Vineland	0
Jefferson Cherry Hill Hospital	0
Jefferson Stratford Hospital	0
Jefferson Washington Township Hospital	0
Jersey City Medical Center	0
Jersey Shore University Medical Center	0
JFK MC - Anthony M. Yelencsics Communit	0
Lourdes Medical Center of Burlington Cty.	0
Monmouth Medical Center	0
Monmouth Medical Center - Southern Campus	0
Morristown Medical Center	0
Newark Beth Israel Medical Center	1
Newton Medical Center	0
Ocean Medical Center	1
Our Lady of Lourdes Medical Center	0

Table 1. Retained Surgical Item or Unretrieved Device Fragment (formerly Foreign body left during procedure)

Hospital	# of cases
Statewide	13
Overlook Medical Center	0
Palisades Medical Center	0
Penn Medicine Princeton Medical Center	0
Raritan Bay Medical Center - Old Bridge Div	0
Raritan Bay Medical Center - Perth Amboy Div	1
Riverview Medical Center	0
RWJ University Hospital	0
RWJ University Hospital at Hamilton	0
RWJ University Hospital at Rahway	0
RWJ University Hospital-Somerset	0
Saint Clare's Hospital	0
Saint Clare's Hospital/Denville Campus	0
Saint Michael's Medical Center	0
Saint Peter's University Hospital	0
Shore Medical Center	0
Southern Ocean Medical Center	0
St. Barnabas Medical Center	1
St. Francis Medical Center-Trenton	0
St. Joseph's Regional Medical Center	0
St. Joseph's Wayne Hospital	0
St. Luke's Warren Hospital	0
St. Mary's General Hospital	0
The Memorial Hospital of Salem County	0
Trinitas Regional Medical Center	0
University Hospital	1
Valley Hospital	0
Virtua-Memorial Hospital Burlington Cty.	1
Virtua-West Jersey Hospital Marlton	0
Virtua-West Jersey Hospital Voorhees	2

Source: New Jersey numbers are derived from the **2016 NJ UB Data** using the AHRQ SAS Software, Version 2019. The national numbers (Table 12) come from AHRQ's Benchmark Data Tables derived from analysis of the 2016 HCUP - State Inpatient Database (SID) using the same Version.

Note - 'Retained Surgical Item or Unretrieved Device Fragment' is reported in volume or count, not rate.

Table 2. Iatrogenic Pneumothorax (per 1,000 medical and surgical discharges)

Hospital	# of cases	# of discharges	Obs. rate	Exp. Rate Δ	Risk-adjusted rate	95% Confidence interval
Statewide	133	650,187	0.2	0.2	0.2	0.2 - 0.2
Atlanticare Regional Medical Center-City Campus	3	8,599	0.3	0.2	0.4	0.1 - 0.8
Atlanticare Regional Medical Center-Mainland Campus	2	13,837	0.1	0.2	0.1	0.0 - 0.4
Bayshore Medical Center	1	6,633	0.2	0.2	0.1	0.0 - 0.5
Bergen Regional Medical Center	1	7,190	0.1	0.1	0.5	0.0 - 1.2
Cape Regional Medical Center	2	5,877	0.3	0.2	0.4	0.0 - 0.8
Capital Health Medical Center - Hopewell	0	6,105	0.0	0.2	0.0	0.0 - 0.4
Capital Health Regional Medical Center at Fuld	1	5,942	0.2	0.2	0.2	0.0 - 0.6
Carepoint Health - Bayonne Medical Center	2	4,931	0.4	0.2	0.4	0.0 - 0.8
Carepoint Health - Christ Hospital	1	6,540	0.2	0.1	0.2	0.0 - 0.7
Carepoint Health - Hoboken University MC	0	3,642	0.0	0.1	0.0	0.0 - 0.6
CentraState Medical Center	2	9,854	0.2	0.2	0.2	0.0 - 0.5
Chilton Medical Center	1	7,438	0.1	0.2	0.1	0.0 - 0.5
Clara Maass Medical Center	0	10,973	0.0	0.2	0.0	0.0 - 0.3
Community Medical Center	1	17,426	0.1	0.2	0.1	0.0 - 0.3
Cooper Hospital/University Medical Center	3	19,626	0.2	0.3	0.1	0.0 - 0.3
Deborah Heart and Lung Center	2	3,169	0.6	0.8	0.2	0.0 - 0.4
East Orange General Hospital	0	5,530	0.0	0.2	0.0	0.0 - 0.4
Englewood Hospital and Medical Center	4	11,172	0.4	0.3	0.3	0.0 - 0.5
Hackensack Meridian Health Pascack Valley MC	0	2,938	0.0	0.2	0.0	0.0 - 0.5
Hackensack University Medical Center	6	23,851	0.3	0.3	0.2	0.0 - 0.4
HackensackUMC - Mountainside	2	8,166	0.2	0.2	0.3	0.0 - 0.6
Hackettstown Regional Medical Center	0	2,740	0.0	0.3	0.0	0.0 - 0.5
Holy Name Medical Center	2	11,678	0.2	0.2	0.2	0.0 - 0.4
Hudson Regional Hospital	0	1,699	0.0	0.2	0.0	0.0 - 0.8
Hunterdon Medical Center	3	6,224	0.5	0.2	0.5	0.1 - 0.9
Inspira Medical Center - Elmer	0	2,836	0.0	0.2	0.0	0.0 - 0.6
Inspira Medical Center - Woodbury	2	7,052	0.3	0.2	0.3	0.0 - 0.7
Inspira Medical Centers, Inc	6	12,848	0.5	0.2	0.5	0.2 - 0.8
Jefferson Cherry Hill Hospital	1	6,489	0.2	0.2	0.2	0.0 - 0.6
Jefferson Stratford Hospital	1	5,892	0.2	0.1	0.3	0.0 - 0.7
Jefferson Washington Township Hospital	0	11,607	0.0	0.2	0.0	0.0 - 0.3
Jersey City Medical Center	1	9,744	0.1	0.2	0.1	0.0 - 0.4
Jersey Shore University Medical Center	5	17,466	0.3	0.3	0.2	0.0 - 0.4
JFK MC - Anthony M. Yelencis Communit	1	13,533	0.1	0.2	0.1	0.0 - 0.3
Lourdes Medical Center of Burlington Cty.	1	4,690	0.2	0.1	0.4	0.0 - 0.9
Monmouth Medical Center	1	7,445	0.1	0.2	0.1	0.0 - 0.5
Monmouth Medical Center - Southern Campus	1	5,444	0.2	0.2	0.2	0.0 - 0.7
Morristown Medical Center	4	24,018	0.2	0.3	0.1	0.0 - 0.3
Newark Beth Israel Medical Center	0	10,483	0.0	0.2	0.0	0.0 - 0.3
Newton Medical Center	1	6,054	0.2	0.2	0.2	0.0 - 0.6
Ocean Medical Center	0	12,108	0.0	0.2	0.0	0.0 - 0.3
Our Lady of Lourdes Medical Center	6	9,556	0.6	0.4	0.4	0.1 - 0.6
Overlook Medical Center	5	16,313	0.3	0.2	0.3	0.1 - 0.5

Table 2. Iatrogenic Pneumothorax (per 1,000 medical and surgical discharges)

Hospital	# of cases	# of discharges	Obs. rate	Exp. Rate Δ	Risk-adjusted rate	95% Confidence interval
Statewide	133	650,187	0.2	0.2	0.2	0.2 - 0.2
Palisades Medical Center	0	6,703	0.0	0.2	0.0	0.0 - 0.4
Penn Medicine Princeton Medical Center	1	9,132	0.1	0.2	0.1	0.0 - 0.4
Raritan Bay Medical Center - Old Bridge Div	2	4,364	0.5	0.2	0.5	0.0 - 0.9
Raritan Bay Medical Center - Perth Amboy Div	2	6,174	0.3	0.2	0.4	0.0 - 0.9
Riverview Medical Center	0	9,852	0.0	0.2	0.0	0.0 - 0.3
RWJ University Hospital	10	22,010	0.5	0.3	0.3	0.2 - 0.5
RWJ University Hospital at Hamilton	1	8,237	0.1	0.2	0.1	0.0 - 0.5
RWJ University Hospital at Rahway	1	4,860	0.2	0.3	0.1	0.0 - 0.5
RWJ University Hospital-Somerset	0	11,210	0.0	0.2	0.0	0.0 - 0.3
Saint Clare's Hospital	0	4,070	0.0	0.2	0.0	0.0 - 0.5
Saint Clare's Hospital/Denville Campus	0	8,897	0.0	0.3	0.0	0.0 - 0.3
Saint Michael's Medical Center	0	7,190	0.0	0.2	0.0	0.0 - 0.3
Saint Peter's University Hospital	3	9,619	0.3	0.2	0.3	0.0 - 0.6
Shore Medical Center	1	7,170	0.1	0.2	0.2	0.0 - 0.6
Southern Ocean Medical Center	2	6,197	0.3	0.2	0.3	0.0 - 0.7
St. Barnabas Medical Center	4	17,651	0.2	0.3	0.2	0.0 - 0.4
St. Francis Medical Center-Trenton	0	4,274	0.0	0.2	0.0	0.0 - 0.4
St. Joseph's Regional Medical Center	8	18,520	0.4	0.2	0.5	0.2 - 0.7
St. Joseph's Wayne Hospital	1	4,148	0.2	0.2	0.3	0.0 - 0.7
St. Luke's Warren Hospital	0	3,709	0.0	0.2	0.0	0.0 - 0.5
St. Mary's General Hospital	1	5,265	0.2	0.3	0.1	0.0 - 0.5
The Memorial Hospital of Salem County	0	3,416	0.0	0.1	0.0	0.0 - 0.6
Trinitas Regional Medical Center	2	8,972	0.2	0.2	0.3	0.0 - 0.6
University Hospital	4	11,133	0.4	0.2	0.3	0.1 - 0.6
Valley Hospital	4	14,601	0.3	0.3	0.2	0.0 - 0.4
Virtua-Memorial Hospital Burlington Cty.	4	13,127	0.3	0.2	0.3	0.1 - 0.6
Virtua-West Jersey Hospital Marlton	4	8,355	0.5	0.2	0.5	0.2 - 0.9
Virtua-West Jersey Hospital Voorhees	3	15,973	0.2	0.1	0.3	0.0 - 0.6

Source: New Jersey numbers are derived from the **2016 NJ UB Data** using the AHRQ SAS Software, Version 2019. The national numbers (Table 12) come from AHRQ's Benchmark Data Tables derived from analysis of the 2016 HCUP - State Inpatient Database (SID) using the same Version.

* = Statistically significantly below state average (i.e. better than average), ** = Statistically significantly above state average (i.e. worse than average).

Δ : Expected rate is the rate the hospital would have if it had the same case-mix (e.g., age, gender, DRG, and comorbidity categories) as the reference or statewide population. If the observed rate is higher than the expected rate (i.e., the ratio of observed to expected is greater than 1.0), it suggests that the hospital performed worse than the reference population on that indicator.

Table 3. In Hospital Fall with Hip Fracture (per 1,000 surgical discharges)

Hospital	# of cases	# of discharges	Obs. rate	Exp. Rate Δ	Risk-adjusted rate	95% Confidence interval
Statewide	22	550,181	0.0	0.1	0.0	0.0 - 0.1
Atlanticare Regional Medical Center-City Campus	0	5,782	0.0	0.1	0.0	0.0 - 0.3
Atlanticare Regional Medical Center-Mainland Campus	0	11,870	0.0	0.1	0.0	0.0 - 0.1
Bayshore Medical Center	0	5,909	0.0	0.1	0.0	0.0 - 0.2
Bergen Regional Medical Center	0	905	0.0	0.1	0.0	0.0 - 0.6
Cape Regional Medical Center	1	5,154	0.2	0.1	0.2	0.0 - 0.5
Capital Health Medical Center - Hopewell	0	5,344	0.0	0.1	0.0	0.0 - 0.2
Capital Health Regional Medical Center at Fuld	0	4,372	0.0	0.1	0.0	0.0 - 0.3
Carepoint Health - Bayonne Medical Center	2	4,204	0.5	0.1	0.5 **	0.3 - 0.8
Carepoint Health - Christ Hospital	0	4,878	0.0	0.1	0.0	0.0 - 0.3
Carepoint Health - Hoboken University MC	0	3,236	0.0	0.1	0.0	0.0 - 0.3
CentraState Medical Center	0	8,597	0.0	0.1	0.0	0.0 - 0.2
Chilton Medical Center	0	6,633	0.0	0.1	0.0	0.0 - 0.2
Clara Maass Medical Center	0	9,598	0.0	0.1	0.0	0.0 - 0.2
Community Medical Center	0	14,813	0.0	0.1	0.0	0.0 - 0.1
Cooper Hospital/University Medical Center	1	15,599	0.1	0.1	0.1	0.0 - 0.2
Deborah Heart and Lung Center	0	3,556	0.0	0.1	0.0	0.0 - 0.3
East Orange General Hospital	0	4,073	0.0	0.1	0.0	0.0 - 0.3
Englewood Hospital and Medical Center	1	9,687	0.1	0.1	0.1	0.0 - 0.3
Hackensack Meridian Health Pascack Valley MC	0	2,607	0.0	0.1	0.0	0.0 - 0.3
Hackensack University Medical Center	0	18,762	0.0	0.1	0.0	0.0 - 0.1
HackensackUMC - Mountainside	1	7,217	0.1	0.1	0.1	0.0 - 0.3
Hackettstown Regional Medical Center	0	2,384	0.0	0.1	0.0	0.0 - 0.4
Holy Name Medical Center	1	9,771	0.1	0.1	0.1	0.0 - 0.3
Hudson Regional Hospital	0	1,493	0.0	0.1	0.0	0.0 - 0.6
Hunterdon Medical Center	0	5,262	0.0	0.1	0.0	0.0 - 0.2
Inspira Medical Center - Elmer	0	2,542	0.0	0.1	0.0	0.0 - 0.4
Inspira Medical Center - Woodbury	1	6,435	0.2	0.1	0.2	0.0 - 0.4
Inspira Medical Centers, Inc	0	11,370	0.0	0.1	0.0	0.0 - 0.2
Jefferson Cherry Hill Hospital	0	4,812	0.0	0.1	0.0	0.0 - 0.3
Jefferson Stratford Hospital	0	5,434	0.0	0.1	0.0	0.0 - 0.3
Jefferson Washington Township Hospital	0	10,152	0.0	0.1	0.0	0.0 - 0.2
Jersey City Medical Center	0	8,531	0.0	0.1	0.0	0.0 - 0.2
Jersey Shore University Medical Center	1	14,643	0.1	0.1	0.1	0.0 - 0.2
JFK MC - Anthony M. Yelencis Communit	0	11,590	0.0	0.1	0.0	0.0 - 0.2
Lourdes Medical Center of Burlington Cty.	0	4,170	0.0	0.1	0.0	0.0 - 0.3
Monmouth Medical Center	0	6,486	0.0	0.1	0.0	0.0 - 0.2
Monmouth Medical Center - Southern Campus	0	3,363	0.0	0.1	0.0	0.0 - 0.3
Morristown Medical Center	0	22,094	0.0	0.1	0.0	0.0 - 0.1
Newark Beth Israel Medical Center	0	9,799	0.0	0.1	0.0	0.0 - 0.2
Newton Medical Center	1	5,281	0.2	0.1	0.2	0.0 - 0.5
Ocean Medical Center	1	10,580	0.1	0.1	0.1	0.0 - 0.2
Our Lady of Lourdes Medical Center	1	9,545	0.1	0.1	0.1	0.0 - 0.3

Table 3. In Hospital Fall with Hip Fracture (per 1,000 surgical discharges)

Hospital	# of cases	# of discharges	Obs. rate	Exp. Rate Δ	Risk-adjusted rate	95% Confidence interval
Statewide	22	550,181	0.0	0.1	0.0	0.0 - 0.1
Overlook Medical Center	0	13,177	0.0	0.1	0.0	0.0 - 0.2
Palisades Medical Center	0	5,903	0.0	0.1	0.0	0.0 - 0.2
Penn Medicine Princeton Medical Center	0	7,814	0.0	0.1	0.0	0.0 - 0.2
Raritan Bay Medical Center - Old Bridge Div	1	3,912	0.3	0.1	0.3	0.0 - 0.6
Raritan Bay Medical Center - Perth Amboy Div	0	4,781	0.0	0.1	0.0	0.0 - 0.3
Riverview Medical Center	0	7,887	0.0	0.1	0.0	0.0 - 0.2
RWJ University Hospital	0	18,355	0.0	0.1	0.0	0.0 - 0.1
RWJ University Hospital at Hamilton	0	7,436	0.0	0.1	0.0	0.0 - 0.2
RWJ University Hospital at Rahway	0	4,274	0.0	0.1	0.0	0.0 - 0.3
RWJ University Hospital-Somerset	0	9,594	0.0	0.1	0.0	0.0 - 0.2
Saint Clare's Hospital	0	3,612	0.0	0.1	0.0	0.0 - 0.3
Saint Clare's Hospital/Denville Campus	1	7,862	0.1	0.1	0.1	0.0 - 0.3
Saint Michael's Medical Center	0	6,233	0.0	0.1	0.0	0.0 - 0.2
Saint Peter's University Hospital	0	8,323	0.0	0.1	0.0	0.0 - 0.2
Shore Medical Center	1	6,250	0.2	0.1	0.1	0.0 - 0.4
Southern Ocean Medical Center	0	5,466	0.0	0.1	0.0	0.0 - 0.2
St. Barnabas Medical Center	1	15,258	0.1	0.1	0.1	0.0 - 0.2
St. Francis Medical Center-Trenton	0	3,662	0.0	0.1	0.0	0.0 - 0.4
St. Joseph's Regional Medical Center	0	15,153	0.0	0.1	0.0	0.0 - 0.2
St. Joseph's Wayne Hospital	0	3,777	0.0	0.1	0.0	0.0 - 0.3
St. Luke's Warren Hospital	0	3,294	0.0	0.1	0.0	0.0 - 0.3
St. Mary's General Hospital	0	4,830	0.0	0.1	0.0	0.0 - 0.2
The Memorial Hospital of Salem County	0	3,070	0.0	0.0	0.0	0.0 - 0.4
Trinitas Regional Medical Center	0	7,628	0.0	0.1	0.0	0.0 - 0.2
University Hospital	0	7,726	0.0	0.1	0.0	0.0 - 0.2
Valley Hospital	3	12,619	0.2	0.1	0.2	0.0 - 0.3
Virtua-Memorial Hospital Burlington Cty.	3	11,517	0.3	0.1	0.3 **	0.1 - 0.5
Virtua-West Jersey Hospital Marlton	0	7,596	0.0	0.1	0.0	0.0 - 0.2
Virtua-West Jersey Hospital Voorhees	0	14,639	0.0	0.1	0.0	0.0 - 0.1

Source: New Jersey numbers are derived from the **2016 NJ UB Data** using the AHRQ SAS Software, Version 2019. The national numbers (Table 12) come from AHRQ's Benchmark Data Tables derived from analysis of the 2016 HCUP - State Inpatient Database (SID) using the same Version.

* = Statistically significantly below state average (i.e. better than average), ** = Statistically significantly above state average (i.e. worse than average).

Δ : Expected rate is the rate the hospital would have if it had the same case-mix (e.g., age, gender, DRG, and comorbidity categories) as the reference or statewide population. If the observed rate is higher than the expected rate (i.e., the ratio of observed to expected is greater than 1.0), it suggests that the hospital performed worse than the reference population on that indicator.

Table 4. Perioperative Hemorrhage or Hematoma (per 1,000 surgical discharges)

Hospital	# of cases	# of discharges	Obs. rate	Exp. Rate Δ	Risk-adjusted rate	95% Confidence interval
Statewide	418	175,045	2.4	2.3	2.4	2.2 - 2.6
Atlanticare Regional Medical Center-City Campus	2	1,864	1.1	2.3	1.1	0.0 - 3.2
Atlanticare Regional Medical Center-Mainland Campus	2	4,636	0.4	1.5	0.7 *	0.0 - 2.3
Bayshore Medical Center	3	1,549	1.9	2.0	2.2	0.0 - 4.7
Bergen Regional Medical Center	0	95	0.0	2.6	0.0	0.0 - 8.9
Cape Regional Medical Center	2	930	2.2	1.8	2.8	0.0 - 6.3
Capital Health Medical Center - Hopewell	6	1,818	3.3	2.1	3.6	1.3 - 5.8
Capital Health Regional Medical Center at Fuld	2	947	2.1	2.3	2.1	0.0 - 5.1
Carepoint Health - Bayonne Medical Center	1	684	1.5	2.3	1.4	0.0 - 5.0
Carepoint Health - Christ Hospital	1	971	1.0	2.5	1.0	0.0 - 3.9
Carepoint Health - Hoboken University MC	0	714	0.0	1.7	0.0	0.0 - 4.1
CentraState Medical Center	6	2,373	2.5	1.9	3.0	0.9 - 5.1
Chilton Medical Center	0	1,447	0.0	1.9	0.0	0.0 - 2.7
Clara Maass Medical Center	1	2,761	0.4	2.1	0.4	0.0 - 2.3
Community Medical Center	2	3,553	0.6	1.8	0.7	0.0 - 2.5
Cooper Hospital/University Medical Center	22	7,214	3.0	3.1	2.3	1.3 - 3.2
Deborah Heart and Lung Center	8	1,654	4.8	4.0	2.8	1.0 - 4.5
East Orange General Hospital	1	418	2.4	2.5	2.2	0.0 - 6.5
Englewood Hospital and Medical Center	16	4,083	3.9	2.6	3.4	2.0 - 4.8
Hackensack Meridian Health Pascack Valley MC	1	735	1.4	1.3	2.5	0.0 - 7.1
Hackensack University Medical Center	19	9,561	2.0	2.1	2.2	1.2 - 3.2
HackensackUMC - Mountainside	4	2,118	1.9	1.7	2.5	0.2 - 4.9
Hackettstown Regional Medical Center	2	500	4.0	1.8	5.0	0.3 - 9.6
Holy Name Medical Center	4	3,400	1.2	1.9	1.5	0.0 - 3.2
Hudson Regional Hospital	0	503	0.0	1.8	0.0	0.0 - 4.7
Hunterdon Medical Center	0	1,445	0.0	1.7	0.0	0.0 - 2.9
Inspira Medical Center - Elmer	0	549	0.0	1.0	0.0	0.0 - 5.9
Inspira Medical Center - Woodbury	2	1,327	1.5	2.0	1.8	0.0 - 4.5
Inspira Medical Centers, Inc	4	2,726	1.5	1.9	1.7	0.0 - 3.7
Jefferson Cherry Hill Hospital	2	598	3.3	1.5	5.0	0.3 - 9.6
Jefferson Stratford Hospital	1	1,128	0.9	1.8	1.1	0.0 - 4.3
Jefferson Washington Township Hospital	5	2,424	2.1	1.6	2.9	0.7 - 5.2
Jersey City Medical Center	11	2,385	4.6	2.4	4.5 **	2.6 - 6.4
Jersey Shore University Medical Center	31	6,388	4.9	2.9	3.8 **	2.8 - 4.9
JFK MC - Anthony M. Yelencis Communit	3	3,346	0.9	2.0	1.0	0.0 - 2.8
Lourdes Medical Center of Burlington Cty.	3	761	3.9	1.6	5.5	1.5 - 9.5
Monmouth Medical Center	8	2,761	2.9	1.9	3.6	1.6 - 5.6
Monmouth Medical Center - Southern Campus	0	359	0.0	2.0	0.0	0.0 - 5.3
Morristown Medical Center	57	12,445	4.6	2.8	3.7 **	3.0 - 4.5
Newark Beth Israel Medical Center	2	2,528	0.8	4.0	0.4 *	0.0 - 1.8
Newton Medical Center	0	762	0.0	1.6	0.0	0.0 - 4.0

Table 4. Perioperative Hemorrhage or Hematoma (per 1,000 surgical discharges)

Hospital	# of cases	# of discharges	Obs. rate	Exp. Rate Δ	Risk-adjusted rate	95% Confidence interval
Statewide	418	175,045	2.4	2.3	2.4	2.2 - 2.6
Ocean Medical Center	2	3,090	0.6	1.6	0.9	0.0 - 2.9
Our Lady of Lourdes Medical Center	15	3,347	4.5	3.6	2.9	1.6 - 4.2
Overlook Medical Center	8	5,051	1.6	1.9	1.9	0.4 - 3.3
Palisades Medical Center	4	1,057	3.8	1.9	4.6	1.4 - 7.8
Penn Medicine Princeton Medical Center	1	2,916	0.3	1.4	0.6	0.0 - 2.8
Raritan Bay Medical Center - Old Bridge Div	0	708	0.0	1.8	0.0	0.0 - 3.9
Raritan Bay Medical Center - Perth Amboy Div	1	884	1.1	1.9	1.4	0.0 - 4.8
Riverview Medical Center	0	2,698	0.0	2.2	0.0 *	0.0 - 1.8
RWJ University Hospital	25	8,302	3.0	3.0	2.3	1.4 - 3.2
RWJ University Hospital at Hamilton	2	2,072	1.0	1.6	1.4	0.0 - 3.8
RWJ University Hospital at Rahway	3	808	3.7	1.8	4.7	1.0 - 8.4
RWJ University Hospital-Somerset	7	2,402	2.9	1.8	3.7	1.5 - 5.8
Saint Clare's Hospital	0	368	0.0	1.8	0.0	0.0 - 5.5
Saint Clare's Hospital/Denville Campus	1	1,602	0.6	2.2	0.7	0.0 - 3.1
Saint Michael's Medical Center	3	1,168	2.6	2.8	2.1	0.0 - 4.6
Saint Peter's University Hospital	8	2,330	3.4	2.2	3.6	1.6 - 5.6
Shore Medical Center	3	1,991	1.5	1.4	2.4	0.0 - 5.1
Southern Ocean Medical Center	3	1,413	2.1	1.6	3.0	0.0 - 5.9
St. Barnabas Medical Center	25	6,471	3.9	2.9	3.1	2.0 - 4.1
St. Francis Medical Center-Trenton	4	1,099	3.6	2.8	3.0	0.4 - 5.6
St. Joseph's Regional Medical Center	8	5,047	1.6	2.3	1.6	0.3 - 2.9
St. Joseph's Wayne Hospital	0	653	0.0	1.9	0.0	0.0 - 4.0
St. Luke's Warren Hospital	0	570	0.0	2.0	0.0	0.0 - 4.2
St. Mary's General Hospital	2	1,283	1.6	2.5	1.4	0.0 - 3.9
The Memorial Hospital of Salem County	1	431	2.3	1.8	3.0	0.0 - 8.2
Trinitas Regional Medical Center	1	1,570	0.6	2.1	0.7	0.0 - 3.2
University Hospital	13	3,536	3.7	2.6	3.2	1.7 - 4.6
Valley Hospital	18	5,020	3.6	2.5	3.3	2.0 - 4.5
Virtua-Memorial Hospital Burlington Cty.	13	3,577	3.6	2.3	3.7	2.1 - 5.3
Virtua-West Jersey Hospital Marlton	7	2,903	2.4	1.8	3.1	1.1 - 5.1
Virtua-West Jersey Hospital Voorhees	6	4,218	1.4	1.5	2.2	0.4 - 4.0

Source: New Jersey numbers are derived from the **2016 NJ UB Data** using the AHRQ SAS Software, Version 2019. The national numbers (Table 12) come from AHRQ's Benchmark Data Tables derived from analysis of the 2016 HCUP - State Inpatient Database (SID) using the same Version.

* = Statistically significantly below state average (i.e. better than average), ** = Statistically significantly above state average (i.e. worse than average).

Δ : Expected rate is the rate the hospital would have if it had the same case-mix (e.g., age, gender, DRG, and comorbidity categories) as the reference or statewide population. If the observed rate is higher than the expected rate (i.e., the ratio of observed to expected is greater than 1.0), it suggests that the hospital performed worse than the reference population on that indicator.

Table 5. Perioperative Pulmonary Embolism or Deep Vein Thrombosis (per 1,000 surgical discharges)

Hospital	# of cases	# of discharges	Obs. rate	Exp. Rate Δ	Risk-adjusted rate	95% Confidence interval
Statewide	687	183,918	3.7	3.2	4.0	3.7 - 4.3
Atlanticare Regional Medical Center-City Campus	7	1,881	3.7	3.7	3.4	0.9 - 6.0
Atlanticare Regional Medical Center-Mainland Campus	14	4,937	2.8	3.1	3.1	1.4 - 4.9
Bayshore Medical Center	5	1,611	3.1	2.8	3.9	0.7 - 7.1
Bergen Regional Medical Center	2	97	20.6	3.0	23.5 **	11.1 - 36.0
Cape Regional Medical Center	2	986	2.0	3.3	2.1	0.0 - 5.8
Capital Health Medical Center - Hopewell	4	1,905	2.1	3.4	2.2	0.0 - 4.8
Capital Health Regional Medical Center at Fuld	9	986	9.1	4.4	7.2	4.0 - 10.4
Carepoint Health - Bayonne Medical Center	2	725	2.8	3.8	2.5	0.0 - 6.5
Carepoint Health - Christ Hospital	5	1,017	4.9	2.5	6.8	2.5 - 11.0
Carepoint Health - Hoboken University MC	2	750	2.7	2.4	3.8	0.0 - 8.7
CentraState Medical Center	10	2,472	4.0	3.3	4.3	1.9 - 6.7
Chilton Medical Center	4	1,477	2.7	3.6	2.6	0.0 - 5.5
Clara Maass Medical Center	2	2,894	0.7	2.9	0.8 *	0.0 - 3.1
Community Medical Center	4	3,743	1.1	3.4	1.1 *	0.0 - 3.0
Cooper Hospital/University Medical Center	33	7,527	4.4	3.9	3.9	2.6 - 5.1
Deborah Heart and Lung Center	6	1,919	3.1	3.0	3.6	0.8 - 6.5
East Orange General Hospital	0	450	0.0	4.3	0.0	0.0 - 4.8
Englewood Hospital and Medical Center	17	4,226	4.0	2.8	5.0	3.0 - 7.0
Hackensack Meridian Health Pascack Valley MC	2	758	2.6	2.8	3.2	0.0 - 7.9
Hackensack University Medical Center	43	10,066	4.3	3.4	4.3	3.2 - 5.5
HackensackUMC - Mountainside	5	2,215	2.3	2.6	3.0	0.2 - 5.8
Hackettstown Regional Medical Center	2	515	3.9	3.2	4.2	0.0 - 9.4
Holy Name Medical Center	21	3,520	6.0	2.9	7.1 **	5.0 - 9.2
Hudson Regional Hospital	1	518	1.9	2.7	2.5	0.0 - 8.2
Hunterdon Medical Center	3	1,503	2.0	3.0	2.3	0.0 - 5.5
Inspira Medical Center - Elmer	2	577	3.5	3.2	3.8	0.0 - 8.7
Inspira Medical Center - Woodbury	5	1,445	3.5	3.3	3.7	0.6 - 6.8
Inspira Medical Centers, Inc	3	2,872	1.0	3.0	1.2 *	0.0 - 3.5
Jefferson Cherry Hill Hospital	3	630	4.8	3.6	4.6	0.1 - 9.1
Jefferson Stratford Hospital	10	1,173	8.5	2.1	13.9 **	9.6 - 18.2
Jefferson Washington Township Hospital	15	2,519	6.0	3.1	6.6 **	4.2 - 9.0
Jersey City Medical Center	6	2,477	2.4	3.0	2.8	0.3 - 5.2
Jersey Shore University Medical Center	16	6,739	2.4	3.4	2.4 *	1.0 - 3.8
JFK MC - Anthony M. Yelensics Communit	17	3,481	4.9	2.7	6.2	4.0 - 8.3
Lourdes Medical Center of Burlington Cty.	1	829	1.2	3.2	1.3	0.0 - 5.5
Monmouth Medical Center	8	2,875	2.8	2.7	3.5	1.1 - 5.9
Monmouth Medical Center - Southern Campus	1	377	2.7	4.6	2.0	0.0 - 7.1
Morristown Medical Center	50	13,063	3.8	3.6	3.6	2.7 - 4.6
Newark Beth Israel Medical Center	2	2,814	0.7	3.6	0.7 *	0.0 - 2.8

Table 5. Perioperative Pulmonary Embolism or Deep Vein Thrombosis (per 1,000 surgical discharges)

Hospital	# of cases	# of discharges	Obs. rate	Exp. Rate Δ	Risk-adjusted rate	95% Confidence interval
Statewide	687	183,918	3.7	3.2	4.0	3.7 - 4.3
Newton Medical Center	4	830	4.8	3.8	4.3	0.6 - 8.1
Ocean Medical Center	11	3,235	3.4	3.3	3.5	1.5 - 5.6
Our Lady of Lourdes Medical Center	15	3,627	4.1	3.1	4.5	2.5 - 6.5
Overlook Medical Center	19	5,251	3.6	3.0	4.2	2.5 - 5.9
Palisades Medical Center	3	1,120	2.7	2.6	3.5	0.0 - 7.4
Penn Medicine Princeton Medical Center	6	3,031	2.0	2.7	2.5	0.2 - 4.9
Raritan Bay Medical Center - Old Bridge Div	3	760	3.9	3.0	4.6	0.1 - 9.1
Raritan Bay Medical Center - Perth Amboy Div	1	934	1.1	2.7	1.4	0.0 - 5.6
Riverview Medical Center	11	2,844	3.9	3.3	4.1	1.9 - 6.3
RWJ University Hospital	62	8,787	7.1	3.6	6.7 **	5.5 - 7.9
RWJ University Hospital at Hamilton	10	2,167	4.6	3.2	5.0	2.4 - 7.6
RWJ University Hospital at Rahway	2	888	2.3	3.9	2.0	0.0 - 5.6
RWJ University Hospital-Somerset	7	2,532	2.8	3.0	3.1	0.7 - 5.6
Saint Clare's Hospital	0	391	0.0	4.2	0.0	0.0 - 5.2
Saint Clare's Hospital/Denville Campus	2	1,648	1.2	4.0	1.0 *	0.0 - 3.6
Saint Michael's Medical Center	3	1,320	2.3	4.7	1.7	0.0 - 4.4
Saint Peter's University Hospital	11	2,477	4.4	3.1	5.0	2.5 - 7.4
Shore Medical Center	8	2,066	3.9	2.8	4.7	1.9 - 7.5
Southern Ocean Medical Center	3	1,500	2.0	2.7	2.6	0.0 - 5.9
St. Barnabas Medical Center	29	6,719	4.3	2.9	5.1	3.6 - 6.6
St. Francis Medical Center-Trenton	3	1,145	2.6	2.6	3.5	0.0 - 7.4
St. Joseph's Regional Medical Center	15	5,217	2.9	2.9	3.4	1.7 - 5.1
St. Joseph's Wayne Hospital	0	680	0.0	3.0	0.0	0.0 - 4.7
St. Luke's Warren Hospital	2	607	3.3	3.9	2.9	0.0 - 7.2
St. Mary's General Hospital	5	1,357	3.7	3.5	3.6	0.5 - 6.7
The Memorial Hospital of Salem County	3	451	6.7	2.0	11.6 **	4.5 - 18.7
Trinitas Regional Medical Center	6	1,656	3.6	2.9	4.3	1.3 - 7.4
University Hospital	45	3,657	12.3	3.9	10.9 **	9.1 - 12.7
Valley Hospital	19	5,348	3.6	3.4	3.6	2.0 - 5.2
Virtua-Memorial Hospital Burlington Cty.	11	3,706	3.0	2.8	3.6	1.5 - 5.7
Virtua-West Jersey Hospital Marlton	14	3,029	4.6	3.1	5.2	3.0 - 7.4
Virtua-West Jersey Hospital Voorhees	10	4,369	2.3	2.7	2.9	0.9 - 4.8

Source: New Jersey numbers are derived from the **2016 NJ UB Data** using the AHRQ SAS Software, Version 2019. The national numbers (Table 12) come from AHRQ's Benchmark Data Tables derived from analysis of the 2016 HCUP - State Inpatient Database (SID) using the same Version.

* = Statistically significantly below state average (i.e. better than average), ** = Statistically significantly above state average (i.e. worse than average).

Δ : Expected rate is the rate the hospital would have if it had the same case-mix (e.g., age, gender, DRG, and comorbidity categories) as the reference or statewide population. If the observed rate is higher than the expected rate (i.e., the ratio of observed to expected is greater than 1.0), it suggests that the hospital performed worse than the reference population on that indicator.

Table 6. Postoperative Sepsis (per 1,000 elective surgical discharges)

Hospital	# of cases	# of discharges	Obs. rate	Exp. Rate Δ	Risk-adjusted rate	95% Confidence interval
Statewide	296	85,446	3.5	3.7	3.8	3.3 - 4.2
Atlanticare Regional Medical Center-City Campus	4	705	5.7	3.9	5.8	1.1 - 10.5
Atlanticare Regional Medical Center-Mainland Campus	2	3,064	0.7	2.1	1.2	0.0 - 4.3
Bayshore Medical Center	1	670	1.5	2.6	2.3	0.0 - 8.3
Bergen Regional Medical Center	0	40	0.0	4.3	0.0	0.0 - 18.8
Cape Regional Medical Center	1	351	2.8	2.9	3.9	0.0 - 11.7
Capital Health Medical Center - Hopewell	5	1,019	4.9	3.9	5.0	1.2 - 8.9
Capital Health Regional Medical Center at Fuld	0	136	0.0	3.3	0.0	0.0 - 11.7
Carepoint Health - Bayonne Medical Center	1	59	16.9	10.4	6.6	0.0 - 16.5
Carepoint Health - Christ Hospital	1	288	3.5	3.7	3.8	0.0 - 11.4
Carepoint Health - Hoboken University MC	0	266	0.0	1.7	0.0	0.0 - 11.8
CentraState Medical Center	0	1,108	0.0	2.9	0.0	0.0 - 4.4
Chilton Medical Center	3	547	5.5	3.2	6.9	1.0 - 12.8
Clara Maass Medical Center	0	860	0.0	3.0	0.0	0.0 - 4.9
Community Medical Center	3	1,195	2.5	3.4	3.0	0.0 - 6.9
Cooper Hospital/University Medical Center	33	3,763	8.8	5.9	6.0 **	4.3 - 7.6
Deborah Heart and Lung Center	1	69	14.5	7.6	7.7	0.0 - 18.5
East Orange General Hospital	0	79	0.0	4.1	0.0	0.0 - 13.5
Englewood Hospital and Medical Center	8	2,095	3.8	3.4	4.5	1.6 - 7.5
Hackensack Meridian Health Pascack Valley MC	1	421	2.4	1.6	6.1	0.0 - 15.8
Hackensack University Medical Center	14	5,966	2.3	3.5	2.7	1.0 - 4.4
HackensackUMC - Mountainside	1	1,093	0.9	2.2	1.7	0.0 - 6.7
Hackettstown Regional Medical Center	1	202	5.0	2.8	7.2	0.0 - 17.6
Holy Name Medical Center	9	1,636	5.5	2.3	9.5 **	5.5 - 13.5
Hudson Regional Hospital	0	177	0.0	1.5	0.0	0.0 - 15.2
Hunterdon Medical Center	3	858	3.5	2.1	6.6	0.8 - 12.4
Inspira Medical Center - Elmer	0	355	0.0	3.1	0.0	0.0 - 7.4
Inspira Medical Center - Woodbury	1	533	1.9	2.8	2.7	0.0 - 9.2
Inspira Medical Centers, Inc	0	1,402	0.0	3.6	0.0	0.0 - 3.5
Jefferson Cherry Hill Hospital	3	241	12.4	1.9	26.8 **	15.1 - 38.5
Jefferson Stratford Hospital	1	682	1.5	1.9	3.1	0.0 - 10.1
Jefferson Washington Township Hospital	6	1,343	4.5	2.4	7.6	3.2 - 12.0
Jersey City Medical Center	4	769	5.2	2.8	7.5	2.1 - 12.9
Jersey Shore University Medical Center	4	3,385	1.2	4.8	1.0 *	0.0 - 2.9
JFK MC - Anthony M. Yelencis Communit	8	1,554	5.1	3.3	6.2	2.8 - 9.7
Lourdes Medical Center of Burlington Cty.	0	314	0.0	2.6	0.0	0.0 - 8.6
Monmouth Medical Center	3	2,091	1.4	2.7	2.1	0.0 - 5.4
Monmouth Medical Center - Southern Campus	0	30	0.0	3.0	0.0	0.0 - 26.3
Morristown Medical Center	19	7,915	2.4	4.2	2.3 *	1.0 - 3.7
Newark Beth Israel Medical Center	2	639	3.1	6.0	2.1	0.0 - 6.0
Newton Medical Center	0	260	0.0	3.2	0.0	0.0 - 8.6
Ocean Medical Center	3	1,693	1.8	3.2	2.2	0.0 - 5.5

Table 6. Postoperative Sepsis (per 1,000 elective surgical discharges)

Hospital	# of cases	# of discharges	Obs. rate	Exp. Rate Δ	Risk-adjusted rate	95% Confidence interval
Statewide	296	85,446	3.5	3.7	3.8	3.3 - 4.2
Our Lady of Lourdes Medical Center	5	1,382	3.6	5.4	2.7	0.0 - 5.6
Overlook Medical Center	7	3,044	2.3	3.2	2.9	0.4 - 5.4
Palisades Medical Center	3	197	15.2	4.3	14.1 **	5.6 - 22.6
Penn Medicine Princeton Medical Center	3	2,054	1.5	1.9	3.1	0.0 - 7.1
Raritan Bay Medical Center - Old Bridge Div	1	269	3.7	1.9	8.0	0.0 - 19.1
Raritan Bay Medical Center - Perth Amboy Div	0	181	0.0	2.8	0.0	0.0 - 10.9
Riverview Medical Center	3	1,716	1.7	3.4	2.1	0.0 - 5.3
RWJ University Hospital	42	4,827	8.7	5.4	6.5 **	5.0 - 8.1
RWJ University Hospital at Hamilton	2	1,131	1.8	2.4	3.0	0.0 - 7.7
RWJ University Hospital at Rahway	0	242	0.0	2.8	0.0	0.0 - 9.5
RWJ University Hospital-Somerset	3	1,095	2.7	3.2	3.4	0.0 - 7.6
Saint Clare's Hospital	0	53	0.0	5.9	0.0	0.0 - 13.6
Saint Clare's Hospital/Denville Campus	0	734	0.0	6.1	0.0 *	0.0 - 3.6
Saint Michael's Medical Center	1	293	3.4	5.8	2.4	0.0 - 8.4
Saint Peter's University Hospital	6	1,247	4.8	3.9	5.0	1.4 - 8.6
Shore Medical Center	3	1,219	2.5	1.6	6.1	0.5 - 11.7
Southern Ocean Medical Center	1	772	1.3	2.4	2.2	0.0 - 7.9
St. Barnabas Medical Center	13	3,499	3.7	3.9	3.8	1.7 - 5.9
St. Francis Medical Center-Trenton	2	361	5.5	5.2	4.3	0.0 - 10.0
St. Joseph's Regional Medical Center	14	1,633	8.6	3.0	11.4 **	7.9 - 14.9
St. Joseph's Wayne Hospital	0	95	0.0	3.7	0.0	0.0 - 13.2
St. Luke's Warren Hospital	0	173	0.0	4.3	0.0	0.0 - 9.0
St. Mary's General Hospital	1	186	5.4	6.5	3.3	0.0 - 10.5
The Memorial Hospital of Salem County	0	222	0.0	2.0	0.0	0.0 - 11.9
Trinitas Regional Medical Center	0	440	0.0	3.6	0.0	0.0 - 6.2
University Hospital	23	1,491	15.4	6.3	9.9 **	7.3 - 12.4
Valley Hospital	9	2,533	3.6	4.5	3.2	0.9 - 5.5
Virtua-Memorial Hospital Burlington Cty.	1	1,808	0.6	3.3	0.7	0.0 - 3.9
Virtua-West Jersey Hospital Marlton	4	1,444	2.8	3.3	3.4	0.0 - 7.0
Virtua-West Jersey Hospital Voorhees	3	1,232	2.4	3.6	2.8	0.0 - 6.5

Source: New Jersey numbers are derived from the **2016 NJ UB Data** using the AHRQ SAS Software, Version 2019. The national numbers (Table 12) come from AHRQ's Benchmark Data Tables derived from analysis of the 2016 HCUP - State Inpatient Database (SID) using the same Version.

* = Statistically significantly below state average (i.e. better than average), ** = Statistically significantly above state average (i.e. worse than average).

Δ : Expected rate is the rate the hospital would have if it had the same case-mix (e.g., age, gender, DRG, and comorbidity categories) as the reference or statewide population. If the observed rate is higher than the expected rate (i.e., the ratio of observed to expected is greater than 1.0), it suggests that the hospital performed worse than the reference population on that indicator.

Table 7. Postoperative wound dehiscence (per 1,000 abdominopelvic surgical discharges)

Hospital	# of cases	# of discharges	Obs. rate	Exp. Rate Δ	Risk-adjusted rate	95% Confidence interval
Statewide	25	55,206	0.5	0.6	0.5	0.3 - 0.8
Atlanticare Regional Medical Center-City Campus	1	690	1.4	0.8	1.3	0.0 - 3.2
Atlanticare Regional Medical Center-Mainland Campus	0	700	0.0	0.6	0.0	0.0 - 2.2
Bayshore Medical Center	0	711	0.0	0.4	0.0	0.0 - 2.5
Bergen Regional Medical Center	0	34	0.0	1.5	0.0	0.0 - 5.9
Cape Regional Medical Center	0	434	0.0	0.5	0.0	0.0 - 2.9
Capital Health Medical Center - Hopewell	1	768	1.3	0.6	1.4	0.0 - 3.4
Capital Health Regional Medical Center at Fuld	1	288	3.5	1.2	2.1	0.0 - 4.4
Carepoint Health - Bayonne Medical Center	0	324	0.0	0.8	0.0	0.0 - 2.6
Carepoint Health - Christ Hospital	2	432	4.6	0.6	5.6 **	2.8 - 8.3
Carepoint Health - Hoboken University MC	0	240	0.0	0.4	0.0	0.0 - 4.4
CentraState Medical Center	1	956	1.0	0.6	1.1	0.0 - 2.9
Chilton Medical Center	0	536	0.0	0.7	0.0	0.0 - 2.2
Clara Maass Medical Center	1	780	1.3	0.6	1.5	0.0 - 3.6
Community Medical Center	0	1,397	0.0	0.7	0.0	0.0 - 1.4
Cooper Hospital/University Medical Center	1	2,450	0.4	0.8	0.3	0.0 - 1.3
Deborah Heart and Lung Center	0	34	0.0	1.6	0.0	0.0 - 5.8
East Orange General Hospital	0	130	0.0	0.9	0.0	0.0 - 3.9
Englewood Hospital and Medical Center	0	1,247	0.0	0.4	0.0	0.0 - 1.8
Hackensack Meridian Health Pascack Valley MC	0	214	0.0	0.3	0.0	0.0 - 5.0
Hackensack University Medical Center	0	2,752	0.0	0.4	0.0	0.0 - 1.2
HackensackUMC - Mountainside	0	1,145	0.0	0.3	0.0	0.0 - 2.5
Hackettstown Regional Medical Center	0	178	0.0	0.9	0.0	0.0 - 3.4
Holy Name Medical Center	0	1,204	0.0	0.5	0.0	0.0 - 1.8
Hudson Regional Hospital	0	111	0.0	0.9	0.0	0.0 - 4.3
Hunterdon Medical Center	0	435	0.0	0.4	0.0	0.0 - 3.4
Inspira Medical Center - Elmer	0	116	0.0	0.7	0.0	0.0 - 4.8
Inspira Medical Center - Woodbury	0	426	0.0	0.8	0.0	0.0 - 2.3
Inspira Medical Centers, Inc	0	889	0.0	0.6	0.0	0.0 - 1.8
Jefferson Cherry Hill Hospital	0	247	0.0	0.6	0.0	0.0 - 3.6
Jefferson Stratford Hospital	0	371	0.0	0.3	0.0	0.0 - 3.9
Jefferson Washington Township Hospital	0	819	0.0	0.5	0.0	0.0 - 2.1
Jersey City Medical Center	2	650	3.1	0.8	2.8	0.9 - 4.7
Jersey Shore University Medical Center	2	1,453	1.4	0.8	1.2	0.0 - 2.5
JFK MC - Anthony M. Yelensics Communit	0	1,144	0.0	0.5	0.0	0.0 - 1.7
Lourdes Medical Center of Burlington Cty.	0	278	0.0	0.8	0.0	0.0 - 2.9
Monmouth Medical Center	0	943	0.0	0.4	0.0	0.0 - 2.3
Monmouth Medical Center - Southern Campus	1	154	6.5	0.6	7.6 **	3.1 - 12.1
Morristown Medical Center	0	2,573	0.0	0.7	0.0	0.0 - 1.0
Newark Beth Israel Medical Center	0	588	0.0	0.6	0.0	0.0 - 2.4
Newton Medical Center	0	405	0.0	0.6	0.0	0.0 - 2.7
Ocean Medical Center	0	978	0.0	0.7	0.0	0.0 - 1.6
Our Lady of Lourdes Medical Center	0	879	0.0	0.6	0.0	0.0 - 1.9
Overlook Medical Center	0	1,761	0.0	0.5	0.0	0.0 - 1.5
Palisades Medical Center	0	478	0.0	0.4	0.0	0.0 - 3.1
Penn Medicine Princeton Medical Center	1	714	1.4	0.4	2.8	0.1 - 5.5

Table 7. Postoperative wound dehiscence (per 1,000 abdominopelvic surgical discharges)

Hospital	# of cases	# of discharges	Obs. rate	Exp. Rate Δ	Risk-adjusted rate	95% Confidence interval
Statewide	25	55,206	0.5	0.6	0.5	0.3 - 0.8
Raritan Bay Medical Center - Old Bridge Div	0	291	0.0	0.6	0.0	0.0 - 3.2
Raritan Bay Medical Center - Perth Amboy Div	0	351	0.0	0.5	0.0	0.0 - 3.4
Riverview Medical Center	0	848	0.0	0.7	0.0	0.0 - 1.7
RWJ University Hospital	0	2,170	0.0	0.7	0.0	0.0 - 1.1
RWJ University Hospital at Hamilton	1	670	1.5	0.8	1.2	0.0 - 3.0
RWJ University Hospital at Rahway	0	267	0.0	0.7	0.0	0.0 - 3.2
RWJ University Hospital-Somerset	0	734	0.0	0.6	0.0	0.0 - 2.1
Saint Clare's Hospital	0	115	0.0	0.4	0.0	0.0 - 6.1
Saint Clare's Hospital/Denville Campus	0	461	0.0	0.5	0.0	0.0 - 2.8
Saint Michael's Medical Center	0	285	0.0	0.9	0.0	0.0 - 2.7
Saint Peter's University Hospital	2	1,273	1.6	0.5	2.2	0.5 - 3.9
Shore Medical Center	0	439	0.0	0.9	0.0	0.0 - 2.1
Southern Ocean Medical Center	1	966	1.0	0.4	1.8	0.0 - 4.0
St. Barnabas Medical Center	2	2,269	0.9	0.4	1.4	0.0 - 2.8
St. Francis Medical Center-Trenton	0	226	0.0	1.0	0.0	0.0 - 2.9
St. Joseph's Regional Medical Center	1	1,751	0.6	0.5	0.9	0.0 - 2.4
St. Joseph's Wayne Hospital	0	364	0.0	0.7	0.0	0.0 - 2.7
St. Luke's Warren Hospital	0	227	0.0	0.8	0.0	0.0 - 3.2
St. Mary's General Hospital	0	416	0.0	0.6	0.0	0.0 - 2.7
The Memorial Hospital of Salem County	0	192	0.0	0.4	0.0	0.0 - 4.7
Trinitas Regional Medical Center	0	693	0.0	0.4	0.0	0.0 - 2.6
University Hospital	0	1,252	0.0	0.7	0.0	0.0 - 1.5
Valley Hospital	1	1,482	0.7	0.7	0.6	0.0 - 1.9
Virtua-Memorial Hospital Burlington Cty.	0	1,459	0.0	0.5	0.0	0.0 - 1.6
Virtua-West Jersey Hospital Marlton	1	519	1.9	0.8	1.7	0.0 - 3.8
Virtua-West Jersey Hospital Voorhees	2	1,430	1.4	0.7	1.5	0.1 - 2.8

Source: New Jersey numbers are derived from the **2016 NJ UB Data** using the AHRQ SAS Software, Version 2019. The national numbers (Table 12) come from AHRQ's Benchmark Data Tables derived from analysis of the 2016 HCUP - State Inpatient Database (SID) using the same Version.

* = Statistically significantly below state average (i.e. better than average), ** = Statistically significantly above state average (i.e. worse than average).

Δ : Expected rate is the rate the hospital would have if it had the same case-mix (e.g., age, gender, DRG, and comorbidity categories) as the reference or statewide population. If the observed rate is higher than the expected rate (i.e., the ratio of observed to expected is greater than 1.0), it suggests that the hospital performed worse than the reference population on that indicator.

Table 8. Unrecognized Abdominopelvic Accidental Puncture/Laceration (per 1,000 medical and surgical discharges)

Hospital	# of cases	# of discharges	Obs. rate	Exp. Rate Δ	Risk-adjusted rate	95% Confidence interval
Statewide	115	133,967	0.9	1.0	0.9	0.8 - 1.1
Atlanticare Regional Medical Center-City Campus	2	1,797	1.1	0.9	1.4	0.0 - 3.0
Atlanticare Regional Medical Center-Mainland Campus	1	1,843	0.5	0.9	0.7	0.0 - 2.3
Bayshore Medical Center	1	1,501	0.7	0.7	1.0	0.0 - 3.0
Bergen Regional Medical Center	0	109	0.0	0.6	0.0	0.0 - 7.9
Cape Regional Medical Center	0	990	0.0	0.8	0.0	0.0 - 2.3
Capital Health Medical Center - Hopewell	1	1,473	0.7	1.0	0.7	0.0 - 2.4
Capital Health Regional Medical Center at Fuld	0	889	0.0	0.9	0.0	0.0 - 2.4
Carepoint Health - Bayonne Medical Center	0	873	0.0	0.9	0.0	0.0 - 2.3
Carepoint Health - Christ Hospital	1	1,163	0.9	0.7	1.2	0.0 - 3.5
Carepoint Health - Hoboken University MC	0	532	0.0	0.7	0.0	0.0 - 3.3
CentraState Medical Center	0	2,370	0.0	0.9	0.0	0.0 - 1.4
Chilton Medical Center	0	1,459	0.0	0.9	0.0	0.0 - 1.8
Clara Maass Medical Center	0	2,289	0.0	0.8	0.0	0.0 - 1.5
Community Medical Center	0	3,710	0.0	0.9	0.0	0.0 - 1.1
Cooper Hospital/University Medical Center	2	4,903	0.4	1.3	0.3	0.0 - 1.1
Deborah Heart and Lung Center	1	276	3.6	1.4	2.8	0.0 - 6.1
East Orange General Hospital	0	599	0.0	0.8	0.0	0.0 - 3.0
Englewood Hospital and Medical Center	1	2,551	0.4	1.0	0.4	0.0 - 1.7
Hackensack Meridian Health Pascack Valley MC	0	459	0.0	0.9	0.0	0.0 - 3.3
Hackensack University Medical Center	7	6,433	1.1	1.0	1.1	0.3 - 2.0
HackensackUMC - Mountainside	2	2,228	0.9	0.7	1.3	0.0 - 2.9
Hackettstown Regional Medical Center	0	545	0.0	0.8	0.0	0.0 - 3.0
Holy Name Medical Center	4	2,548	1.6	0.9	1.8	0.5 - 3.2
Hudson Regional Hospital	0	437	0.0	0.7	0.0	0.0 - 3.6
Hunterdon Medical Center	2	1,008	2.0	0.9	2.5	0.2 - 4.7
Inspira Medical Center - Elmer	0	351	0.0	0.8	0.0	0.0 - 3.8
Inspira Medical Center - Woodbury	1	1,104	0.9	1.0	0.9	0.0 - 2.8
Inspira Medical Centers, Inc	6	2,703	2.2	0.8	2.8 **	1.4 - 4.2
Jefferson Cherry Hill Hospital	1	722	1.4	0.7	2.1	0.0 - 5.0
Jefferson Stratford Hospital	1	1,273	0.8	0.6	1.5	0.0 - 3.9
Jefferson Washington Township Hospital	4	1,880	2.1	0.9	2.4	0.8 - 3.9
Jersey City Medical Center	0	1,653	0.0	0.9	0.0	0.0 - 1.7
Jersey Shore University Medical Center	4	3,273	1.2	1.2	1.0	0.0 - 2.1
JFK MC - Anthony M. Yelencis Communit	0	2,787	0.0	0.9	0.0	0.0 - 1.3
Lourdes Medical Center of Burlington Cty.	0	765	0.0	0.9	0.0	0.0 - 2.6
Monmouth Medical Center	0	1,940	0.0	1.0	0.0	0.0 - 1.5
Monmouth Medical Center - Southern Campus	1	526	1.9	0.7	3.0	0.0 - 6.5
Morristown Medical Center	12	5,974	2.0	1.2	1.7	0.9 - 2.5
Newark Beth Israel Medical Center	0	2,073	0.0	0.9	0.0	0.0 - 1.5

Table 8. Unrecognized Abdominopelvic Accidental Puncture/Laceration (per 1,000 medical and surgical discharges)

Hospital	# of cases	# of discharges	Obs. rate	Exp. Rate Δ	Risk-adjusted rate	95% Confidence interval
Statewide	115	133,967	0.9	1.0	0.9	0.8 - 1.1
Newton Medical Center	1	1,191	0.8	0.8	1.1	0.0 - 3.2
Ocean Medical Center	1	2,282	0.4	1.0	0.4	0.0 - 1.8
Our Lady of Lourdes Medical Center	0	2,298	0.0	0.9	0.0	0.0 - 1.5
Overlook Medical Center	1	4,386	0.2	1.1	0.2	0.0 - 1.2
Palisades Medical Center	0	1,342	0.0	0.7	0.0	0.0 - 2.2
Penn Medicine Princeton Medical Center	1	1,757	0.6	1.0	0.6	0.0 - 2.2
Raritan Bay Medical Center - Old Bridge Div	1	793	1.3	0.7	1.8	0.0 - 4.6
Raritan Bay Medical Center - Perth Amboy Div	1	919	1.1	0.7	1.6	0.0 - 4.1
Riverview Medical Center	0	1,721	0.0	1.2	0.0	0.0 - 1.4
RWJ University Hospital	5	5,439	0.9	1.1	0.9	0.1 - 1.8
RWJ University Hospital at Hamilton	2	1,640	1.2	1.0	1.3	0.0 - 2.9
RWJ University Hospital at Rahway	0	840	0.0	0.9	0.0	0.0 - 2.4
RWJ University Hospital-Somerset	0	2,299	0.0	0.8	0.0	0.0 - 1.5
Saint Clare's Hospital	0	378	0.0	1.0	0.0	0.0 - 3.3
Saint Clare's Hospital/Denville Campus	0	1,231	0.0	1.5	0.0	0.0 - 1.5
Saint Michael's Medical Center	1	1,167	0.9	1.1	0.8	0.0 - 2.6
Saint Peter's University Hospital	8	2,381	3.4	1.0	3.5 **	2.1 - 4.8
Shore Medical Center	0	1,296	0.0	0.8	0.0	0.0 - 2.0
Southern Ocean Medical Center	0	1,678	0.0	0.8	0.0	0.0 - 1.8
St. Barnabas Medical Center	6	5,301	1.1	1.0	1.2	0.3 - 2.1
St. Francis Medical Center-Trenton	1	634	1.6	0.8	2.2	0.0 - 5.1
St. Joseph's Regional Medical Center	8	3,634	2.2	0.8	3.0 **	1.8 - 4.2
St. Joseph's Wayne Hospital	1	805	1.2	0.8	1.7	0.0 - 4.2
St. Luke's Warren Hospital	0	797	0.0	0.8	0.0	0.0 - 2.5
St. Mary's General Hospital	1	1,082	0.9	1.0	0.9	0.0 - 2.9
The Memorial Hospital of Salem County	0	557	0.0	0.6	0.0	0.0 - 3.6
Trinitas Regional Medical Center	0	1,716	0.0	0.8	0.0	0.0 - 1.7
University Hospital	6	2,662	2.3	1.0	2.4 **	1.1 - 3.6
Valley Hospital	6	3,381	1.8	1.2	1.6	0.6 - 2.6
Virtua-Memorial Hospital Burlington Cty.	2	3,309	0.6	0.8	0.8	0.0 - 2.0
Virtua-West Jersey Hospital Marlton	1	1,706	0.6	0.8	0.7	0.0 - 2.5
Virtua-West Jersey Hospital Voorhees	6	3,336	1.8	1.0	2.0	0.8 - 3.1

Source: New Jersey numbers are derived from the **2016 NJ UB Data** using the AHRQ SAS Software, Version 2019. The national numbers (Table 12) come from AHRQ's Benchmark Data Tables derived from analysis of the 2016 HCUP - State Inpatient Database (SID) using the same Version.

* = Statistically significantly below state average (i.e. better than average), ** = Statistically significantly above state average (i.e. worse than average).

Δ : Expected rate is the rate the hospital would have if it had the same case-mix (e.g., age, gender, DRG, and comorbidity categories) as the reference or statewide population. If the observed rate is higher than the expected rate (i.e., the ratio of observed to expected is greater than 1.0), it suggests that the hospital performed worse than the reference population on that indicator.

Table 9. Birth Trauma - Injury to Neonate (per 1,000 livebirths)

Hospital	# of cases	# of livebirths	Observed rate
Statewide	238	97,177	2.4
Atlanticare Regional Medical Center-City Campus	.	.	.
Atlanticare Regional Medical Center-Mainland Campus	2	1,952	1.0
Bayshore Medical Center	.	.	.
Bergen Regional Medical Center	.	.	.
Cape Regional Medical Center	0	380	0.0
Capital Health Medical Center - Hopewell	5	3,291	1.5
Capital Health Regional Medical Center at Fuld	.	.	.
Carepoint Health - Bayonne Medical Center	.	.	.
Carepoint Health - Christ Hospital	2	749	2.7
Carepoint Health - Hoboken University MC	4	974	4.1
CentraState Medical Center	3	1,307	2.3
Chilton Medical Center	0	727	0.0
Clara Maass Medical Center	4	1,571	2.5
Community Medical Center	2	2,106	1.0
Cooper Hospital/University Medical Center	7	1,836	3.8
Deborah Heart and Lung Center	.	.	.
East Orange General Hospital	.	.	.
Englewood Hospital and Medical Center	2	2,546	0.8
Hackensack Meridian Health Pascack Valley MC	5	750	6.7
Hackensack University Medical Center	14	6,256	2.2
HackensackUMC - Mountainside	7	889	7.9
Hackettstown Regional Medical Center	5	179	27.9
Holy Name Medical Center	4	1,173	3.4
Hudson Regional Hospital	0	212	0.0
Hunterdon Medical Center	3	901	3.3
Inspira Medical Center - Elmer	2	307	6.5
Inspira Medical Center - Woodbury	10	903	11.1
Inspira Medical Centers, Inc	9	1,773	5.1
Jefferson Cherry Hill Hospital	.	.	.
Jefferson Stratford Hospital	.	.	.
Jefferson Washington Township Hospital	3	953	3.1
Jersey City Medical Center	1	2,105	0.5
Jersey Shore University Medical Center	3	2,013	1.5
JFK MC - Anthony M. Yelensics Communit	1	2,127	0.5
Lourdes Medical Center of Burlington Cty.	.	.	.
Monmouth Medical Center	6	5,318	1.1
Monmouth Medical Center - Southern Campus	.	.	.
Morristown Medical Center	8	4,429	1.8
Newark Beth Israel Medical Center	6	2,813	2.1
Newton Medical Center	0	534	0.0
Ocean Medical Center	0	879	0.0
Quebec of Lourdes Medical Center	3	1,004	3.0

Table 9. Birth Trauma - Injury to Neonate (per 1,000 livebirths)

Hospital	# of cases	# of livebirths	Observed rate
Statewide	238	97,177	2.4
Overlook Medical Center	10	2,540	3.9
Palisades Medical Center	1	1,369	0.7
Penn Medicine Princeton Medical Center	20	2,337	8.6
Raritan Bay Medical Center - Old Bridge Div	.	.	.
Raritan Bay Medical Center - Perth Amboy Div	2	1,165	1.7
Riverview Medical Center	1	1,273	0.8
RWJ University Hospital	4	2,438	1.6
RWJ University Hospital at Hamilton	.	.	.
RWJ University Hospital at Rahway	.	.	.
RWJ University Hospital-Somerset	1	756	1.3
Saint Clare's Hospital	.	.	.
Saint Clare's Hospital/Denville Campus	6	1,205	5.0
Saint Michael's Medical Center	.	.	.
Saint Peter's University Hospital	16	5,461	2.9
Shore Medical Center	1	1,066	0.9
Southern Ocean Medical Center	0	385	0.0
St. Barnabas Medical Center	25	5,599	4.5
St. Francis Medical Center-Trenton	.	.	.
St. Joseph's Regional Medical Center	4	3,369	1.2
St. Joseph's Wayne Hospital	.	.	.
St. Luke's Warren Hospital	.	.	.
St. Mary's General Hospital	1	825	1.2
The Memorial Hospital of Salem County	.	.	.
Trinitas Regional Medical Center	8	2,029	3.9
University Hospital	2	1,482	1.4
Valley Hospital	6	3,294	1.8
Virtua-Memorial Hospital Burlington Cty.	2	2,147	0.9
Virtua-West Jersey Hospital Marlton	.	.	.
Virtua-West Jersey Hospital Voorhees	7	5,480	1.3

Source: New Jersey numbers are derived from the **2016 NJ UB Data** using the AHRQ SAS Software, Version 2019. The national numbers (Table 12) come from AHRQ's Benchmark Data Tables derived from analysis of the 2016 HCUP - State Inpatient Database (SID) using the same Version.

Newborn or livebirth is defined as any neonate with either 1) an ICD-10-CM diagnosis code for an in-hospital live-born birth or 2) an admission type of newborn (ATYPE=4), age in days at admission equaling zero, and not an ICD-10-CM diagnosis code for an out-of-hospital birth. A neonate is defined as any discharge with age in days at admission between zero and 28 days (inclusive). If age in days is missing, then a neonate is defined as any DRG in MDC 15, an admission type of newborn (ATYPE=4), or an ICD-10-CM diagnosis code for an in-hospital live-born birth.)

Missing (.) indicates that the hospital did not perform the procedure during the year in question.

Note that this indicator is measured using observed rate only. Risk-adjustment is no more made on this indicator because materially important risk factors (e.g., whether the mother is nulliparous or multiparous or the size of the infant) are not available in the Healthcare Cost and Utilization Project (HCUP) State Inpatient Database (SID), which is used for standardization in the AHRQ modules.

Table 10. Obstetric trauma - vaginal delivery with instrument (per 1,000 instrument-assisted vaginal deliveries)

Hospital	# of cases	# of discharges	Obs. rate
Statewide	329	3,966	83.0
Atlanticare Regional Medical Center-City Campus	.	.	.
Atlanticare Regional Medical Center-Mainland Campus	1	59	17.0
Bayshore Medical Center	.	.	.
Bergen Regional Medical Center	.	.	.
Cape Regional Medical Center	0	24	0.0 ^
Capital Health Medical Center - Hopewell	10	98	102.0
Capital Health Regional Medical Center at Fuld	.	.	.
Carepoint Health - Bayonne Medical Center	.	.	.
Carepoint Health - Christ Hospital	0	28	0.0 ^
Carepoint Health - Hoboken University MC	1	6	166.7 ^
CentraState Medical Center	1	21	47.6 ^
Chilton Medical Center	4	64	62.5
Clara Maass Medical Center	0	73	0.0
Community Medical Center	6	85	70.6
Cooper Hospital/University Medical Center	6	76	79.0
Deborah Heart and Lung Center	.	.	.
East Orange General Hospital	.	.	.
Englewood Hospital and Medical Center	10	130	76.9
Hackensack Meridian Health Pascack Valley MC	14	360	38.9
Hackensack University Medical Center	2	35	57.1
HackensackUMC - Mountainside	3	36	83.3
Hackettstown Regional Medical Center	2	10	200.0 ^
Holy Name Medical Center	7	59	118.6
Hudson Regional Hospital	3	48	62.5
Hunterdon Medical Center	1	4	250.0 ^
Inspira Medical Center - Elmer	2	22	90.9 ^
Inspira Medical Center - Woodbury	0	55	0.0
Inspira Medical Centers, Inc	4	121	33.1
Jefferson Cherry Hill Hospital	2	66	30.3
Jefferson Stratford Hospital	.	.	.
Jefferson Washington Township Hospital	.	.	.
Jersey City Medical Center	4	35	114.3
Jersey Shore University Medical Center	.	.	.
JFK MC - Anthony M. Yelencis Communit	0	2	0.0 ^
Lourdes Medical Center of Burlington Cty.	.	.	.
Monmouth Medical Center	19	260	73.1
Monmouth Medical Center - Southern Campus	.	.	.
Morristown Medical Center	31	249	124.5
Newark Beth Israel Medical Center	1	43	23.3
Newton Medical Center	0	11	0.0 ^
Ocean Medical Center	2	23	87.0 ^

Table 10. Obstetric trauma - vaginal delivery with instrument (per 1,000 instrument-assisted vaginal deliveries)

Hospital	# of cases	# of discharges	Obs. rate
Statewide	329	3,966	83.0
Our Lady of Lourdes Medical Center	4	45	88.9
Overlook Medical Center	5	112	44.6
Palisades Medical Center	1	25	40.0 ^
Penn Medicine Princeton Medical Center	.	.	.
Raritan Bay Medical Center - Old Bridge Div	4	37	108.1
Raritan Bay Medical Center - Perth Amboy Div	5	77	64.9
Riverview Medical Center	5	81	61.7
RWJ University Hospital	.	.	.
RWJ University Hospital at Hamilton	.	.	.
RWJ University Hospital at Rahway	10	66	151.5
RWJ University Hospital-Somerset	3	31	96.8
Saint Clare's Hospital	.	.	.
Saint Clare's Hospital/Denville Campus	2	36	55.6
Saint Michael's Medical Center	7	76	92.1
Saint Peter's University Hospital	0	13	0.0 ^
Shore Medical Center	39	295	132.2
Southern Ocean Medical Center	.	.	.
St. Barnabas Medical Center	3	80	37.5
St. Francis Medical Center-Trenton	.	.	.
St. Joseph's Regional Medical Center	.	.	.
St. Joseph's Wayne Hospital	0	12	0.0 ^
St. Luke's Warren Hospital	.	.	.
St. Mary's General Hospital	24	174	137.9
The Memorial Hospital of Salem County	11	118	93.2
Trinitas Regional Medical Center	2	59	33.9
University Hospital	16	103	155.3
Valley Hospital	7	145	48.3
Virtua-Memorial Hospital Burlington Cty.	5	66	75.8
Virtua-West Jersey Hospital Marlton	.	.	.
Virtua-West Jersey Hospital Voorhees	40	212	188.7

Source: New Jersey numbers are derived from the **2016 NJ UB Data** using the AHRQ SAS Software, Version 2019. The national numbers (Table 12) come from AHRQ's Benchmark Data Tables derived from analysis of the 2016 HCUP - State Inpatient Database (SID) using the same Version.

^ = Rate is based on a denominator less than 30, and should be taken with caution.

Missing (.) indicates that the hospital did not perform the procedure during the year in question.

Note that this indicator is measured using observed rate only. Risk-adjustment is no more made on this indicator because materially important risk factors (e.g., whether the mother is nulliparous or multiparous or the size of the infant) are not available in the Healthcare Cost and Utilization Project (HCUP) State Inpatient Database (SID), which is used for standardization in the AHRQ modules.

Table 11. Obstetric trauma - vaginal deliveries without instrument (per 1,000 vaginal delivery discharges)

Hospital	# of cases	# of discharges	Observed rate
Statewide	858	57,966	14.8
Atlanticare Regional Medical Center-City Campus	.	.	.
Atlanticare Regional Medical Center-Mainland Campus	6	995	6.0
Bayshore Medical Center	.	.	.
Bergen Regional Medical Center	.	.	.
Cape Regional Medical Center	2	216	9.3
Capital Health Medical Center - Hopewell	35	2,240	15.6
Capital Health Regional Medical Center at Fuld	.	.	.
Carepoint Health - Bayonne Medical Center	.	.	.
Carepoint Health - Christ Hospital	6	421	14.3
Carepoint Health - Hoboken University MC	17	587	29.0
CentraState Medical Center	14	732	19.1
Chilton Medical Center	7	416	16.8
Clara Maass Medical Center	3	924	3.2
Community Medical Center	20	1,326	15.1
Cooper Hospital/University Medical Center	20	1,378	14.5
Deborah Heart and Lung Center	.	.	.
East Orange General Hospital	.	.	.
Englewood Hospital and Medical Center	39	1,600	24.4
Hackensack Meridian Health Pascack Valley MC	8	472	16.9
Hackensack University Medical Center	38	2,991	12.7
HackensackUMC - Mountainside	6	526	11.4
Hackettstown Regional Medical Center	5	102	49.0
Holy Name Medical Center	16	659	24.3
Hudson Regional Hospital	1	79	12.7
Hunterdon Medical Center	13	551	23.6
Inspira Medical Center - Elmer	8	214	37.4
Inspira Medical Center - Woodbury	10	402	24.9
Inspira Medical Centers, Inc	13	981	13.3
Jefferson Cherry Hill Hospital	.	.	.
Jefferson Stratford Hospital	.	.	.
Jefferson Washington Township Hospital	19	632	30.1
Jersey City Medical Center	11	1,198	9.2
Jersey Shore University Medical Center	6	1,223	4.9
JFK MC - Anthony M. Yelencis Communit	3	1,233	2.4
Lourdes Medical Center of Burlington Cty.	.	.	.
Monmouth Medical Center	54	4,116	13.1
Monmouth Medical Center - Southern Campus	.	.	.
Morristown Medical Center	24	2,585	9.3
Newark Beth Israel Medical Center	20	1,680	11.9
Newton Medical Center	6	347	17.3
Ocean Medical Center	5	572	8.7
Our Lady of Lourdes Medical Center	10	613	16.3
Overlook Medical Center	8	1,543	5.2
Palisades Medical Center	16	835	19.2 ²⁴

Table 11. Obstetric trauma - vaginal deliveries without instrument (per 1,000 vaginal delivery discharges)

Hospital	# of cases	# of discharges	Observed rate
Statewide	858	57,966	14.8
Penn Medicine Princeton Medical Center	28	1,418	19.7
Raritan Bay Medical Center - Old Bridge Div	.	.	.
Raritan Bay Medical Center - Perth Amboy Div	4	710	5.6
Riverview Medical Center	9	685	13.1
RWJ University Hospital	28	1,502	18.6
RWJ University Hospital at Hamilton	.	.	.
RWJ University Hospital at Rahway	.	.	.
RWJ University Hospital-Somerset	7	408	17.2
Saint Clare's Hospital	.	.	.
Saint Clare's Hospital/Denville Campus	20	688	29.1
Saint Michael's Medical Center	.	.	.
Saint Peter's University Hospital	79	3,442	23.0
Shore Medical Center	11	589	18.7
Southern Ocean Medical Center	4	241	16.6
St. Barnabas Medical Center	85	3,047	27.9
St. Francis Medical Center-Trenton	.	.	.
St. Joseph's Regional Medical Center	13	1,578	8.2
St. Joseph's Wayne Hospital	.	.	.
St. Luke's Warren Hospital	.	.	.
St. Mary's General Hospital	0	402	0.0
The Memorial Hospital of Salem County	.	.	.
Trinitas Regional Medical Center	15	1,208	12.4
University Hospital	5	1,038	4.8
Valley Hospital	29	1,784	16.3
Virtua-Memorial Hospital Burlington Cty.	14	1,286	10.9
Virtua-West Jersey Hospital Marlton	.	.	.
Virtua-West Jersey Hospital Voorhees	38	3,551	10.7

Source: New Jersey numbers are derived from the **2016 NJ UB Data** using the AHRQ SAS Software, Version 2019. The national numbers (Table 12) come from AHRQ's Benchmark Data Tables derived from analysis of the 2016 HCUP - State Inpatient Database (SID) using the same Version.

Missing (.) indicates that the hospital did not perform the procedure during the year in question.

Note that this indicator is measured using observed rate only. Risk-adjustment is no more made on this indicator because materially important risk factors (e.g., whether the mother is nulliparous or multiparous or the size of the infant) are not available in the Healthcare Cost and Utilization Project (HCUP) State Inpatient Database (SID), which is used for standardization in the AHRQ modules.

Table 12. Comparing New Jersey's Statewide PSI Rates with National Rates (per 1,000 medical and/or surgical discharges)

Patient Safety Indicators (PSIs)	National 2016	New Jersey 2016
Retained Surgical Item or Unretrieved Device Fragment Ω	694	13
Iatrogenic Pneumothorax	0.21	0.19
In Hospital Fall with Hip Fracture	0.08	0.04
Perioperative Hemorrhage or Hematoma	2.29	2.39
Perioperative Pulmonary Embolism or Deep Vein Thrombosis	3.45	3.99
Postoperative Sepsis	4.05	3.79
Postoperative Wound Dehiscence	0.69	0.53
Unrecognized Abdominopelvic Accidental Puncture/Laceration	1.06	0.94
Transfusion Reaction Ω	-	-
Birth Trauma - Injury to Neonate	4.63	2.45
Obstetric Trauma - Vaginal Delivery with Instrument	109.90	82.96
Obstetric Trauma - Vaginal Delivery without Instrument	17.30	14.80

National rates are from AHRQ's Comparative data for the PSIs based on the 2016 Nationwide Inpatient Sample, computed using Version 2019 of the PSI Software while New Jersey's rates are derived from its 2016 UB Data using same Version.

Ω : Indicator no more used as quality measure. AHRQ has decided to retire this PSI measure in its latest Version which is based on the ICD-10-CMS

Note: Comparison is not usually made for those that are not measured using rates.