



Healthcare Quality Reporting Program

PNEUMONIA

Methods

The pneumonia data is a composite measure based on 5 individual indicators as reported on the CMS hospital compare website <http://www.hospitalcompare.hhs.gov>.

Pneumonia Quality Indicators Included in the Composite Measure
Percent of patients given initial antibiotic(s) within 6 hours of hospital arrival
Percent of patients assessed and given pneumococcal vaccination
Percent of patients having a blood-culture performed prior to first antibiotic received in hospital
Percent of patients given the most appropriate initial antibiotic
Percent of patients given oxygenation assessment

Methodology

The numerators of all individual performance measures included for the condition are summed to determine the composite numerator. The denominators of all the individual performance measures included for the condition are summed to determine the composite denominator. The composite numerator is divided by the composite denominator to determine the composite performance rate. The state average rate is computed by summing all hospitals composite numerators and composite denominators, then dividing the numerator sum by the denominator sum.

Statistical Significance

To determine if a rate is statistically significant, 95% confidence intervals were computed around each individual hospital rate and compared to the RI state average. The following table lists the statistical significance for each RI hospital's rates compared to the state average.

Pneumonia State Average, April 2010 – March 2011: **93.5%**

Rate is statistically higher than the state average	Rate (%)	Rate is statistically the same as the state average	Rate (%)	Rate is statistically lower than the state average	Rate (%)
Landmark Medical Center	96.2	Rhode Island Hospital	93.4	Kent Hospital	90.4
The Miriam Hospital	98.1			Memorial Hospital	92.7
Newport Hospital	98.7			Our Lady of Fatima Hospital	91.3
South County Hospital	97.5			Roger Williams Medical Center	89.0
				Westerly Hospital	88.1