The objective of this study was to evaluate the economic burden of ventilator-associated pneumonia (VAP), hospital-acquired pneumonia (HAP), healthcare-associated pneumonia (HCAP), and community-acquired pneumonia (CAP) in the United States using the Premier database. The database includes information from over 500 healthcare facilities and contains data on hospital admissions from January 1, 2008 to March 31, 2015.

**Methods**

A retrospective cohort study was conducted using the Premier database, which contains information from over 500 healthcare facilities. The study included patients admitted with a diagnosis of pneumonia (ICD-9) and admitted for ≥ 1 night to the ICU. The outcome measures were hospital costs (2015 $US, inflation adjusted) and LOS, stratified by age and severity.

**Results**

Among 345,471 patients with pneumonia, VAP patients had the highest utilization of hospital resources, followed by CAP patients. HAP patients had a median cost of $27,161 (IQR: $14,951–$52,196) and a median LOS of 14 days (IQR: 9–22 days). HAP patients had a median cost of $27,161 (IQR: $14,951–$52,196) and a median LOS of 14 days (IQR: 9–22 days). HAP patients had a median cost of $27,161 (IQR: $14,951–$52,196) and a median LOS of 14 days (IQR: 9–22 days). HAP patients had a median cost of $27,161 (IQR: $14,951–$52,196) and a median LOS of 14 days (IQR: 9–22 days). HAP patients had a median cost of $27,161 (IQR: $14,951–$52,196) and a median LOS of 14 days (IQR: 9–22 days). HAP patients had a median cost of $27,161 (IQR: $14,951–$52,196) and a median LOS of 14 days (IQR: 9–22 days). HAP patients had a median cost of $27,161 (IQR: $14,951–$52,196) and a median LOS of 14 days (IQR: 9–22 days). HAP patients had a median cost of $27,161 (IQR: $14,951–$52,196) and a median LOS of 14 days (IQR: 9–22 days). HAP patients had a median cost of $27,161 (IQR: $14,951–$52,196) and a median LOS of 14 days (IQR: 9–22 days). HAP patients had a median cost of $27,161 (IQR: $14,951–$52,196) and a median LOS of 14 days (IQR: 9–22 days). HAP patients had a median cost of $27,161 (IQR: $14,951–$52,196) and a median LOS of 14 days (IQR: 9–22 days). HAP patients had a median cost of $27,161 (IQR: $14,951–$52,196) and a median LOS of 14 days (IQR: 9–22 days). HAP patients had a median cost of $27,161 (IQR: $14,951–$52,196) and a median LOS of 14 days (IQR: 9–22 days). HAP patients had a median cost of $27,161 (IQR: $14,951–$52,196) and a median LOS of 14 days (IQR: 9–22 days). HAP patients had a median cost of $27,161 (IQR: $14,951–$52,196) and a median LOS of 14 days (IQR: 9–22 days). HAP patients had a median cost of $27,161 (IQR: $14,951–$52,196) and a median LOS of 14 days (IQR: 9–22 days). HAP patients had a median cost of $27,161 (IQR: $14,951–$52,196) and a median LOS of 14 days (IQR: 9–22 days). HAP patients had a median cost of $27,161 (IQR: $14,951–$52,196) and a median LOS of 14 days (IQR: 9–22 days). HAP patients had a median cost of $27,161 (IQR: $14,951–$52,196) and a median LOS of 14 days (IQR: 9–22 days). HAP patients had a median cost of $27,161 (IQR: $14,951–$52,196) and a median LOS of 14 days (IQR: 9–22 days). HAP patients had a median cost of $27,161 (IQR: $14,951–$52,196) and a median LOS of 14 days (IQR: 9–22 days). HAP patients had a median cost of $27,161 (IQR: $14,951–$52,196) and a median LOS of 14 days (IQR: 9–22 days). HAP patients had a median cost of $27,161 (IQR: $14,951–$52,196) and a median LOS of 14 days (IQR: 9–22 days). HAP patients had a median cost of $27,161 (IQR: $14,951–$52,196) and a median LOS of 14 days (IQR: 9–22 days). HAP patients had a median cost of $27,161 (IQR: $14,951–$52,196) and a median LOS of 14 days (IQR: 9–22 days). HAP patients had a median cost of $27,161 (IQR: $14,951–$52,196) and a median LOS of 14 days (IQR: 9–22 days). HAP patients had a median cost of $27,161 (IQR: $14,951–$52,196) and a median LOS of 14 days (IQR: 9–22 days). HAP patients had a median cost of $27,161 (IQR: $14,951–$52,196) and a median LOS of 14 days (IQR: 9–22 days). HAP patients had a median cost of $27,161 (IQR: $14,951–$52,196) and a median LOS of 14 days (IQR: 9–22 days). HAP patients had a median cost of $27,161 (IQR: $14,951–$52,196) and a median LOS of 14 days (IQR: 9–22 days). HAP patients had a median cost of $27,161 (IQR: $14,951–$52,196) and a median LOS of 14 days (IQR: 9–22 days). HAP patients had a median cost of $27,161 (IQR: $14,951–$52,196) and a median LOS of 14 days (IQR: 9–22 days). HAP patients had a median cost of $27,161 (IQR: $14,951–$52,196) and a median LOS of 14 days (IQR: 9–22 days). HAP patients had a median cost of $27,161 (IQR: $14,951–$52,196) and a median LOS of 14 days (IQR: 9–22 days). HAP patients had a median cost of $27,161 (IQR: $14,951–$52,196) and a median LOS of 14 days (IQR: 9–22 days). HAP patients had a median cost of $27,161 (IQR: $14,951–$52,196) and a median LOS of 14 days (IQR: 9–22 days). HAP patients had a median cost of $27,161 (IQR: $14,951–$52,196) and a median LOS of 14 days (IQR: 9–22 days). HAP patients had a median cost of $27,161 (IQR: $14,951–$52,196) and a median LOS of 14 days (IQR: 9–22 days). HAP patients had a median cost of $27,161 (IQR: $14,951–$52,196) and a median LOS of 14 days (IQR: 9–22 days). HAP patients had a median cost of $27,161 (IQR: $14,951–$52,196) and a median LOS of 14 days (IQR: 9–22 days).