

Cost & Benefit Analysis

Hospital-Acquired Infections (HAI) vs. Disposable Cuffs

According to the American Hospital Association, there are over 37 million hospital admissions per year. Their data also states there are almost 1 million beds available in the US.¹

The CDC says that over 1.7 million patients contract HAIs each year.²

Here are 3 case studies:

Reusable Cuffs and Infections:

| | In a 200 bed hospital: | In a 500 bed hospital: | In a 700 bed hospital: |
|--------------------------------------|------------------------|------------------------|------------------------|
| Avg Admissions/Year | 7855 | 19636 | 27491 |
| Avg # of Patients w/ HAI | 368 | 919 | 1286 |
| % gotten from BPC | 2% | 2% | 2% |
| Costs per Infection | \$29,529 | \$29,529 | \$29,529 |
| Annual Cuff Cost | \$11.90 | \$11.90 | \$11.90 |
| Annual Cuff Cost/ Patient | \$0.30 | \$0.30 | \$0.30 |
| Total Cost of Reusable Cuffs: | \$269,391.56 | \$673,478.90 | \$942,870.46 |

Disposable Cuffs:

| | | | |
|--|--------------------|--------------------|---------------------|
| Avg Admissions/Year | 7855 | 19636 | 27491 |
| Cuff Cost | \$4.48 | \$4.48 | \$4.48 |
| Total Cost of Disposable Cuffs: | \$35,148.94 | \$87,872.36 | \$123,021.30 |

Total Savings **\$234,242.62** **\$585,606.54** **\$819,849.15**

Documentation available upon request.

¹www.aha.org

²www.cdc.gov

³Journal of Infection Control & Hospital Epidemiology

