Appendix Table C5c(1)-Update. Cost/savings outcomes for VAP which control for secular trend or confounding from the update search

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Study** | **Infection** | **Intervention** | **Pre-Intervention Costs** | **Post-Intervention Costs** | **CostsStatistical Analysis** | **Estimated Savings from QI introduction** | **Follow-up Months** |
| Barrera, Colombia - 2011 | CAUTI, CLABSI, VAP | hand hygiene promotion |   |   |   |   | 46 |
| Cheema, United States - 2011 | VAP | Phase 3: VAP bundle with flowsheet |   |   |   |   | 42 |
| Harris, United States - 2011 | CLABSI, VAP | hand hygiene, vap bundle, standardizing central line care | avg PICU cost: baseline: $34,365 +/- $2,446; intervention: $30,175 +/- $2,139; adjusted intervention: -$3,948 (-$10,678, $2,782) | avg PICU cost: post: $25,938 +/- $1,146, adjusted post: -$8,826 (-$13,950, -$3,702) | baseline compared to post: p<0.01 | avg cost per hospital stay in post period: $12,136. $1910 from reduced lab and pharm, remaining from shorter hosp stay. Projected annual cost savings study PICU $12 million. | 13 |
| Lilly, United States - 2011 | CLABSI, VAP | tele-ICU, providing care from a remote location |   |   |   |   | 15 |
| Morris, Scotland - 2011 | VAP | VAP bundle - sedation holiday, elevated bed, oral care, with checklist and feedback |   |   |   |   | 12 |
| Speroff, United States - 2011 | CLABSI, VAP | Virtual Collaborative Group |   |   |   |   | 18 |