Appendix Table C5c(2)-Update. Cost/savings outcomes for CLABSI which control for secular trend or confounding from the update search

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **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 |
| Burrell, Australia – 2011 | CLABSI | CLABSI Physician + Patient Bundles |   |   |   |   | 18 |
| 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 |
| Kim, United States – 2011 | CLABSI | CLABSI bundle |   |   |   | total excess cost of any given CLABSI estimated to be $32,254 (excess LOS + replacement CVL + drug admin cost + drug cost) | 14 |
| Lilly, United States – 2011 | CLABSI, VAP | tele-ICU, providing care from a remote location |   |   |   |   | 15 |
| Miller, United States – 2011 | CLABSI | Phase 3: Maintenance and Insertion CLABSI bundles with chlorhexidine impregnated sponge and/or scrub |   |   |   | $31 million in CLABSI attributable health care costs | 36 |
| Render, United States - 2011 | CLABSI | CLABSI Bundle collaboration among VA hospitals |   |   |   |   |   |
| Speroff, United States - 2011 | CLABSI, VAP | Virtual Collaborative Group |   |   |   |   | 18 |
| Taylor, United States - 2011 | CLABSI | percutaneously inserted central catheters (PICC) team formed |   |   |   |   | 12 |