Appendix Table C5c(1). Cost/savings outcomes for VAP which control for secular trend or confounding

| **Study** | **Infection** | **Intervention(s)** | **Pre-intervention Cost** | **Post-Intervention Cost** | **Cost Statistical Analysis** | **Savings from QI Intervention** | **Follow-up (months)** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Apisarnthanarak, Thailand - 2007 | VAP | Educational Program | MICU Hospitalization cost/patient: $466 (SD $108); SICU hospitalization cost/patient: $399 (SD 93); CCU hospitalization cost/patient: $404 | post1 MICU hosp cost/patient: $293 (SD 88); post1 SICU hosp cost/patient: $384 (SD 95); post1 CCU hosp cost/patient: $401 (SD 104); post2 MICU hosp cost/patient: $254 (SD 92); post2 SICU hosp cost/patient: $395 (sd 83); post2 CCU hosp cost/patient: $415 | MICU pre vs. post1: p<0.001; MICU pre vs. post2: p<0.001 |  |  |
| Berenholtz, United States - 2011 | VAP | VAP Bundle and Daily Goal Sheets |  |  |  |  |  |
| Bouadma, France - 2010 | VAP | Multifaceted Prevention Program |  |  |  |  |  |
| DePalo, United States - 2010 | CLABSI;VAP | CLABSI Education Program and Bundle |  |  |  | Cumulative cost savings: $2,016,592 |  |
| Dubose, United States - 2010 | VAP | Quality Rounds Checklist (QRC) |  | Hospital charges for fully compliant QRC: $143,554; Hospital charges for partially compliant QRC: $311,930 | Student’s t or Mann-Whitney U test p-value <0.001 |  |  |
| Hawe, United Kingdom - 2009 | VAP | Active Implementation |  |  |  |  |  |
| Kulvatunyou, Thailand - 2007 | VAP | Educational Program |  |  |  |  |  |
| Marra, Brazil - 2009 | VAP | VAP Bundle |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Omrane, Canada - 2007 | VAP | VAP Prevention Protocol |  |  |  |  |  |
| Papadimos, United States - 2008 | VAP | FASTHUG protocol |  |  |  |  |  |
| Prospero, Italy - 2008 | VAP | Educational Program |  |  |  |  |  |
| Scales, Canada - 2011 | CLABSI;VAP | Bundle - CLABSI, VAP |  |  |  |  |  |
| Zaydfudim, United States - 2009 | VAP | VAP Electronic Dashboard |  |  |  |  |  |