Appendix Table C5b(2)-Update. Adherence outcomes for CLABSI which control for secular trend or confounding from the update search

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| --- | --- | --- | --- | --- | --- | --- |
| **Study** | **Infection** | **Intervention** | **Pre-Intervention rate of adherence** | **Post-intervention rate of adherence** | **Post-intervention rate of adherence Statistical Analysis** | **Follow-up Months** |
| Barrera, Colombia – 2011 | CAUTI, CLABSI, VAP | hand hygiene promotion |   |   | ABHR use: increase 9.2% monthly, p<0.001 | 46 |
| Burrell, Australia – 2011 | CLABSI | CLABSI Physician + Patient Bundles | Clinician Bundle: 74%; Patient Bundle: 81% | Clinician Bundle: 81%; Patient Bundle: 92% | Clinician Bundle: Chi-square p<0.0001 ; Patient Bundle: p<0.001 ; Both Bundles: Chi-square p=0.0001 | 18 |
| Harris, United States – 2011 | CLABSI, VAP | hand hygiene, vap bundle, standardizing central line care |   |   |   | 13 |
| Kim, United States – 2011 | CLABSI | CLABSI bundle |   |   |   | 14 |
| Lilly, United States – 2011 | CLABSI, VAP | tele-ICU, providing care from a remote location | VAP: 33% | VAP: 52% | OR: 2.20 (95% CI: 1.79 to 2.70), p<0.001 | 15 |
| Miller, United States – 2011 | CLABSI | Phase 3: Maintenance and Insertion CLABSI bundles with chlorhexidine impregnated sponge and/or scrub |   |   |   | 36 |
| Render, United States - 2011 | CLABSI | CLABSI Bundle collaboration among VA hospitals | 85% | 98% | Strong inverse correlation with CLABSI rates (R=-0.81) |   |
| Speroff, United States - 2011 | CLABSI, VAP | Virtual Collaborative Group |   | Virtual Collaborative: Clinical Tool Use: 61%; Data Tool Use: 56%; Prevention Strategy Use: 69%;Toolkit Group: Clinical Tool Use: 49%; Data Tool Use: 30%; Prevention Strategy Use: 54% | t-test: Clinical Tool Use: p=0.23; Data Tool Use: p=0.004; Prevention Strategy Use: p=0.017 | 18 |
| Taylor, United States - 2011 | CLABSI | percutaneously inserted central catheters (PICC) team formed |   |   |   | 12 |