Appendix Table C2-LQ-b. Patient characteristics for CLABSI which do not control for secular trend or confounding

| **Study** | **Infection** | **Intervention(s)** | **Type of QI Strategy** | **Interventionists** | **Participants** | **Number of Hospitals** | **Number of Patients** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Assanasen, - 2008 | CLABSI; VAP | Feedback Program | Audit and Feedback | Hospital Infection Control Professionals | Nurses, Physicians | 1 |   |
| Berriel-Cass, United States - 2006 | CLABSI; VAP | CLABSI Bundle | Audit and Feedback, Organizational Change, Provider Education | Administration Infection Control Department | Nurses, Physicians | 1 |   |
| Berriel-Cass, United States - 2006 | CLABSI; VAP | VAP Bundle | Audit and Feedback, Organizational Change, Provider Education | Administration Multidisciplinary rounds (MDR) team | All Clinical Staff | 1 |   |
| Bhutta, United States - 2007 | CLABSI | Bundle CLABSI | Organizational Change, Provider Education, Provider Reminder Systems | Administration | All Clinical Staff | 1 |   |
| Bizzarro, United States - 2010 | CLABSI | Bundle - CLABSI | Audit and Feedback, Organizational Change, Promotion of Self-Management, Provider Education | Multidisciplinary Team | postdoctoral neonatology fellows | 1 | pre: 417; post: 159 |
| Galpern, United States - 2008 | CLABSI | CLABSI Bundle | Audit and Feedback, Organizational Change, Provider Education | Multidisciplinary team | Nurses, Physicians | 1 |   |
| Guerin, United States - 2010 | CLABSI | Post-insertion CVC care bundle | Organizational Change, Provider Education | Administration | Nurses | 1 |   |
| Gurskis, Lithuania - 2009 | CAUTI, CLABSI, VAP | CLABSI Education | Organizational Change, Provider Education | Pediatric Intensive Care Staff | All Clinical Staff | 1 | eintervention: 270; postintervention: 322 |
| Jain, United States - 2006 | CAUTI; CLABSI; VAP | IMPACT initiative | Audit and Feedback, Organizational Change | Administration | All Clinical Staff | 1 |   |
| Jeffries, United States - 2009 | CLABSI | CVC Insertion and Maintenance Bundle | Audit and Feedback, Organizational Change, Provider Education | Children’s Health Corporation of America directors and advisors from National Initiative for Children’s Healthcare Quality advisors | Nurses, Physicians | 26 |   |
| Koll, United States - 2008 | CLABSI | Central line bundle | Audit and Feedback, Organizational Change, Provider Education | Interdisciplinary team at each participating hospital, steering committee of GNYHA Infection Control Work Group | All Clinical Staff | 36 |   |
| Lobo, Brazil - 2010 | CLABSI | Continuous Education | Audit and Feedback, Provider Education, Provider Reminder Systems | Study Staff | Nurses, Physicians | 1 | pre: 141; post: 41 |
| Lobo, Brazil - 2010 | CLABSI | Single lecture | Provider Education | Study Staff | All Clinical Staff | 1 | pre: 378; post: 262 |
| Marra, Brazil - 2010 | CLABSI | IHI Bundle - CLABSI | Audit and Feedback, Organizational Change, Provider Reminder Systems | Study Staff | Nurses, Physicians | 1 |   |
| Render, United States - 2006 | CLABSI | CLABSI bundle | Audit and Feedback, Organizational Change, Provider Reminder Systems | Administration Each hospital’s CEO and leaders identified a project leader and team members (often led by hospital infection control professionals and consisted of the nurse manager of the ICU, staff nurses, a physician champion, and a supply manager) | Nurses, Physicians | 10 |   |
| Rogers, Ireland - 2010 | CLABSI; VAP | Plan-Do-Study-Act (PDSA)cycle | Provider Education | Multidisciplinary team | All Clinical Staff | 5 |   |
| Sannoh, United States - 2010 | CLABSI | Bundle - CLABSI | Audit and Feedback, Provider Education, Provider Reminder Systems | Study Staff | All Clinical Staff | 1 | pre: 163; post: 210 |
| Santana, Brazil - 2008 | CLABSI | Education | Provider Education | Unclear, study staff | All Clinical Staff | 1 | total: 186 |
| Shannon, United States - 2006 | CLABSI | Toyota Production System adaptation | Organizational Change, Provider Education | Multidisciplinary team | All Clinical Staff | 1 | pre: 1067; post1: 1798; post2: 1829; post3: 1832 |
| Venkatram, United States - 2010 | CAUTI; CLABSI; VAP | CAUTI bundle | Audit and Feedback, Organizational Change, Patient Education, Provider Education | Health and Hospital Corporation (HHC) Collaborative | All Clinical Staff | 1 | pre: 1096; post: 3749 |
| Warren, United States - 2006 | CLABSI | Multifaceted, education-based intervention | Provider Education | Multi-center research team (CDC Prevention Epicenter Program) | Nurses, Physicians | 6 |   |
| Wicker, United States - 2011 | CLABSI | Comprehensive Infection Control Measures | Audit and Feeback, Organizational Change, Provider Education | NICU staff | NICU staff | 1 | pre: 334; post: 303 |
| Yilmaz, Turkey - 2007 | CLABSI | Education | Audit and Feedback, Organizational Change, Provider Education | Not specified, study staff | All Clinical Staff | 1 | pre: 241; post: 193 |