Prevention EpiCenter of Emory and Atlanta Consortium Hospitals (PEACH) Overview

Jesse Jacob
Georgia EIP Conference
March 24, 2017
CDC’s Prevention Epicenters Program

Innovations to Improve Patient Safety

CDC guides and collaborates with Prevention Epicenters to protect patients by filling prevention knowledge gaps identified by CDC’s outbreak response and surveillance data.

- DISCOVER: Innovative Prevention Methods
- BROADEN: Investigation to Refine Methods
- REFINES: Methods Across Healthcare Spectrum
- Identified Knowledge Gaps
- CDC Guidelines & Recommendations
- CDC MONITORING HEALTHCARE DELIVERY: Surveillance Data and Outbreak Response

Prevention Epicenters: Linking Academic Partners with CDC’s Data and Expertise

Locations

- University of Utah
- University of Iowa
- Rush University Medical Center
- University of Illinois at Chicago
- University of Pennsylvania
- University of California, Irvine
- Harvard Pilgrim Health Care and University of California, Irvine
- The Johns Hopkins University
- University of Maryland, Baltimore
- Duke University
- Emory University
- Washington University
- University of North Carolina
Project 1:
Integrated Virological and Human Factors Analysis of PPE Doffing
Lead: Lisa Casanova

Project 2:
Making PPE Doffing Safer with Design
Lead: Craig Zimring

Project 3:
Improving Hand Hygiene
Lead: James Steinberg
Project 1: Integrated virological and human factors analysis of complex PPE doffing
Project 2: Reducing contamination during donning and doffing of PPE using the built environment
Project 3
Comparing Feedback Strategies using an Automated Hand Hygiene System

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<th>Hospital A Group 1</th>
<th>Period 0</th>
<th>Period 1</th>
<th>Period 2</th>
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<td>Installation, testing, and validation</td>
<td>Baseline</td>
<td>Group feedback</td>
<td>Group feedback + individual feedback</td>
<td>Group feedback</td>
<td>Individual feedback + voice reminder</td>
<td>Group feedback only</td>
<td>Optimize feedback and reminder process</td>
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<td>Baseline</td>
<td>Test voice reminder strategies</td>
<td>Group feedback + Voice reminder</td>
<td>Randomize participants: Individual feedback vs no individual feedback</td>
<td>Optimize feedback and reminder process</td>
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Abbreviated Acknowledgements

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   – Kimberly Erukuunuakpor

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   – Marcia Postal-Ranney*

Hand Hygiene Consultant
   – John Boyce

Internal Advisory Board

Biocontainment unit leads

Infection preventionists