

# Research Agenda

## Breakout Group Report

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October 7, 2012

**Infection Prevention in Emergency Care:  
Strategies to Improve Practice**

**October 7, 2011**

Funding for this conference was made possible in part by 1 R13 HS021616-01 from the Agency for Healthcare Research and Quality (AHRQ).

# Pre-Conference Survey

Research Area	Mean Ranking
Hand Hygiene	2.6
Preventing spread of communicable disease	3.3
Preventing spread of MDRO	4.5
Central line insertion and maintenance	4.7
Urinary Catheter insertion and maintenance	4.9
Antimicrobial Resistance/Stewardship	4.9*
Preventing C Diff transmission	5.9
Ventilator Associated Pneumonia	6.3

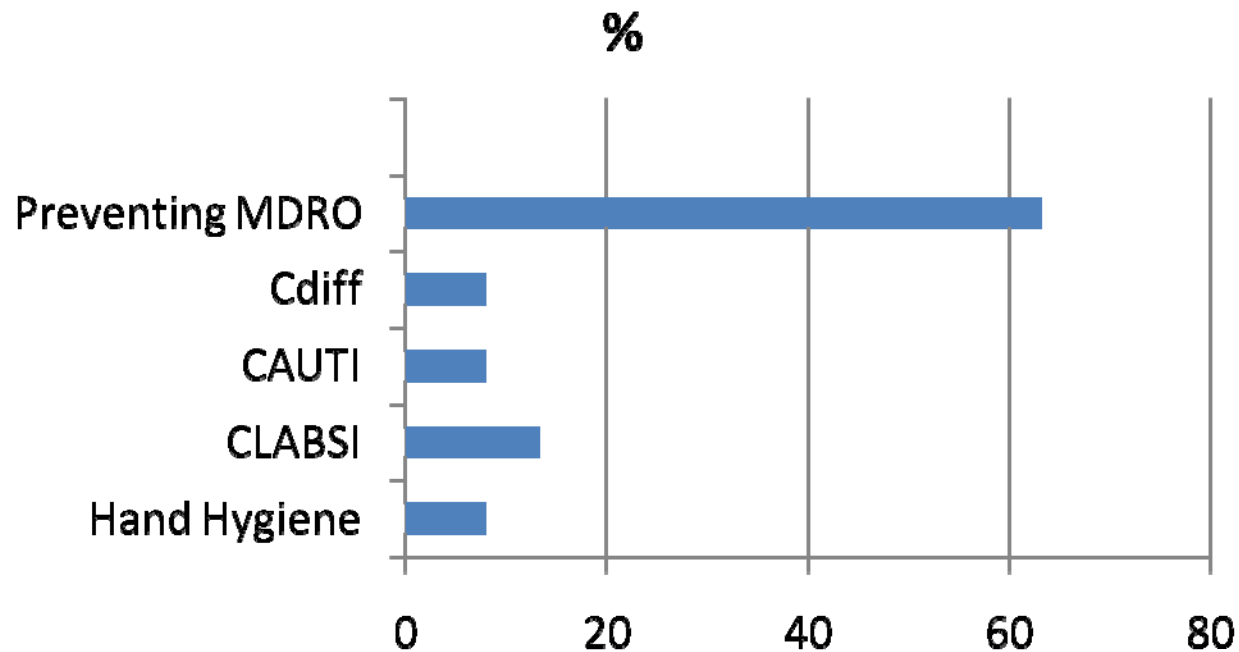
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# Pre-Conference Survey

The lack of ED-specific research is the biggest obstacle to changing infection prevention practices in the ED for:



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# Breakout Group Process

- Objective: Develop a list of research agenda items for infection prevention in the ED:
- Domains:
  - Device Associated Infections
  - Antimicrobial Resistance/Antibiotic Stewardship
  - Screening/Isolation/Precautions and Hand Hygiene
  - ED Work Environment
- Nominal group process to generate ideas
- Voting to guide prioritization

# Key Themes

- Research methods need unique ED definitions and attribution
- Efficiency and crowding interventions tradeoffs with infection prevention
- HIT for both surveillance for IP and clinical decision support for intervention

# Voting Results - Gaps

<b>Research Idea</b>
Role of rapid testing in screening and stewardship
Cost-effectiveness of CLABSI and CAUTI reduction interventions
Best practices for environmental services
How does ED culture preclude IP interventions?
Should EDs dedicate procedural or “dirty” space, cohort patients?
Should screening for MDRO be applied universally or syndromically?
How will improved IP practices impact ED crowding?

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# Next Steps: Dissemination

- Manuscript/White Paper
  - Engage AHRQ and foundations to ensure sustainable and strategic funding for EDIP
  - Provide framework for junior investigators
- Findings can inform EDIP research didactic at future national meetings