

VA



U.S. Department
of Veterans Affairs

Combating Antibiotic-Resistant Bacteria

**Goal 1: Slow the Emergence of Resistant Bacteria
and Prevent the Spread of Resistant Infections**

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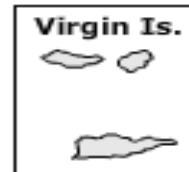
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Largest Integrated Health Care System in US

Serving **> 8 million** veterans a year

Over **1700** sites of care { **> 130** Medical Centers
> 130 Long term care facilities





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VHA's CARB Goal 1 Efforts

- VHA Multidrug-Resistant Organism Prevention Initiative
 - Taskforce chartered 2007
 - VHA Directive 2010-006
- VHA Antimicrobial Stewardship Initiative
 - Taskforce chartered 2011
 - VHA Directive 1031
- VA Inpatient Evaluation Center (IPEC)
 - Reporting and quality monitoring system established 2005





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VHA's Multidrug-Resistant Organism Prevention Initiative

- Methicillin-Resistant *Staphylococcus aureus* Prevention Initiative
 - Acute care October 2007
 - Long term care August 2008
- *Clostridium difficile* Prevention Initiative
 - Acute care March 2012
 - Long term care October 2013
- Carbapenem-Resistant Enterobacteriaceae Prevention Initiative
 - Acute and long term care simultaneously March 2015

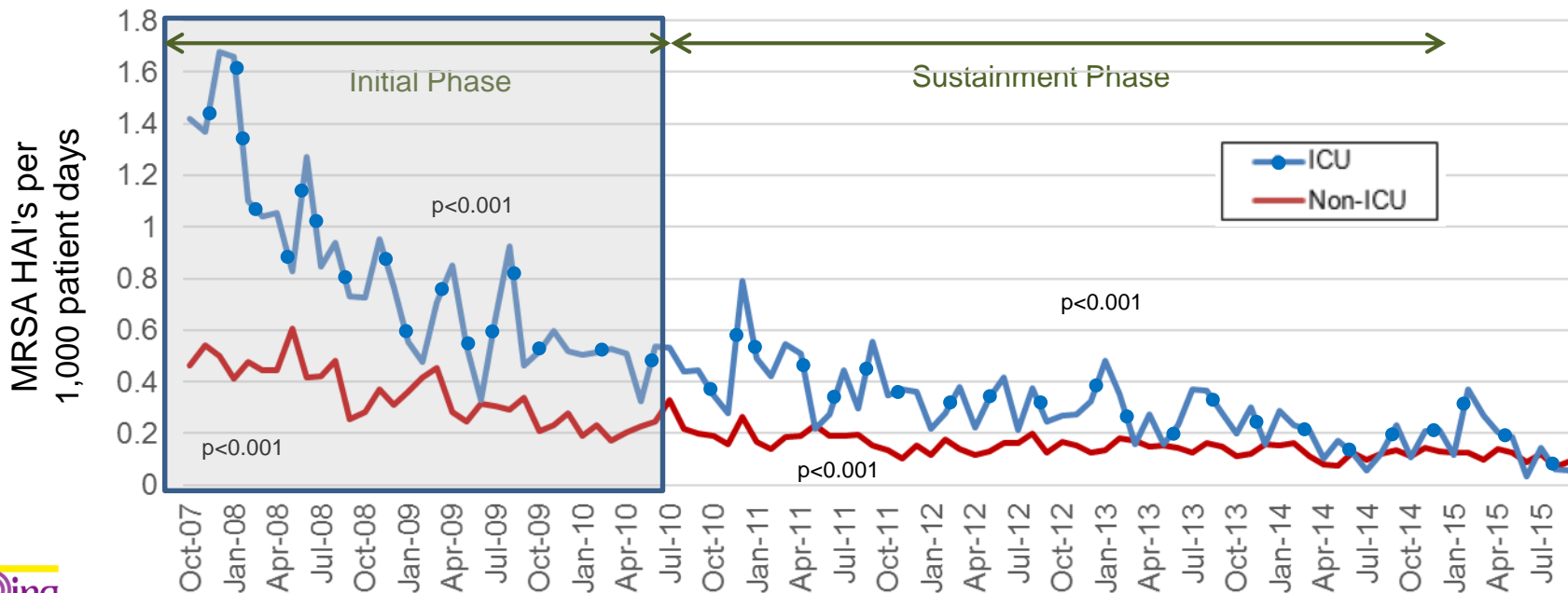




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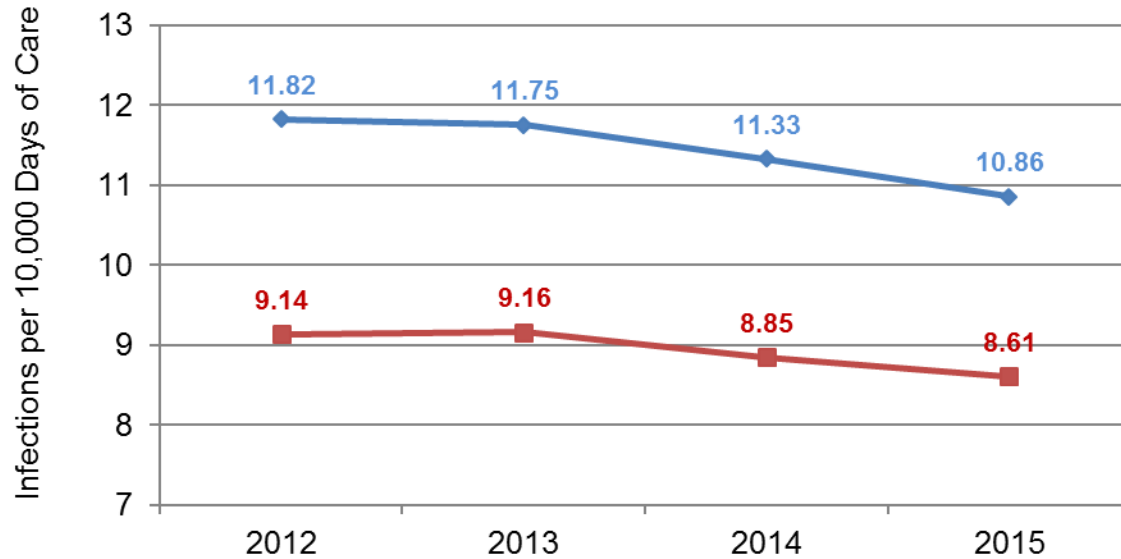
Methicillin-Resistant *Staphylococcus aureus* (MRSA) Healthcare-Associated Infections Oct. 2007 to Sep. 2015





C. difficile Infection Rates by Fiscal Year

- Hospital Onset- and Community Onset (All-HCFA)
- Hospital Onset-HealthCare Facility Associated (HO-HCFA)



- All-HCFA CDI: - **11.0%**
- HO-HCFA CDI: - **10.1%**



From IPEC Data Cubes accessed January 2016



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VHA's Antimicrobial Stewardship Initiative

- Highly active National Antimicrobial Stewardship Taskforce
- Engaged local stewardship champions
- Development of national resources for local use
 - Monthly educational teleconference series
 - Sanford Guide[®] On-line
 - Stewardship SharePoint[®] Site
 - Numerous example policies

Example Policies

Multi-disciplinary Antimicrobial Stewardship Business Plan

Intravenous to Oral Conversion Tool

Avoidance of Double Anaerobic Coverage

Intervention to Improve Outcomes for Patients with *C. difficile* Infection

Stewardship Monitoring of Outpatient Parenteral Antimicrobial Therapy

Vancomycin De-escalation

Staphylococcus aureus bacteremia bundle

Broad-Spectrum Gram-Negative De-escalation

Pneumonia Duration of Therapy

Outpatient Upper Respiratory Tract Infections (URIs)

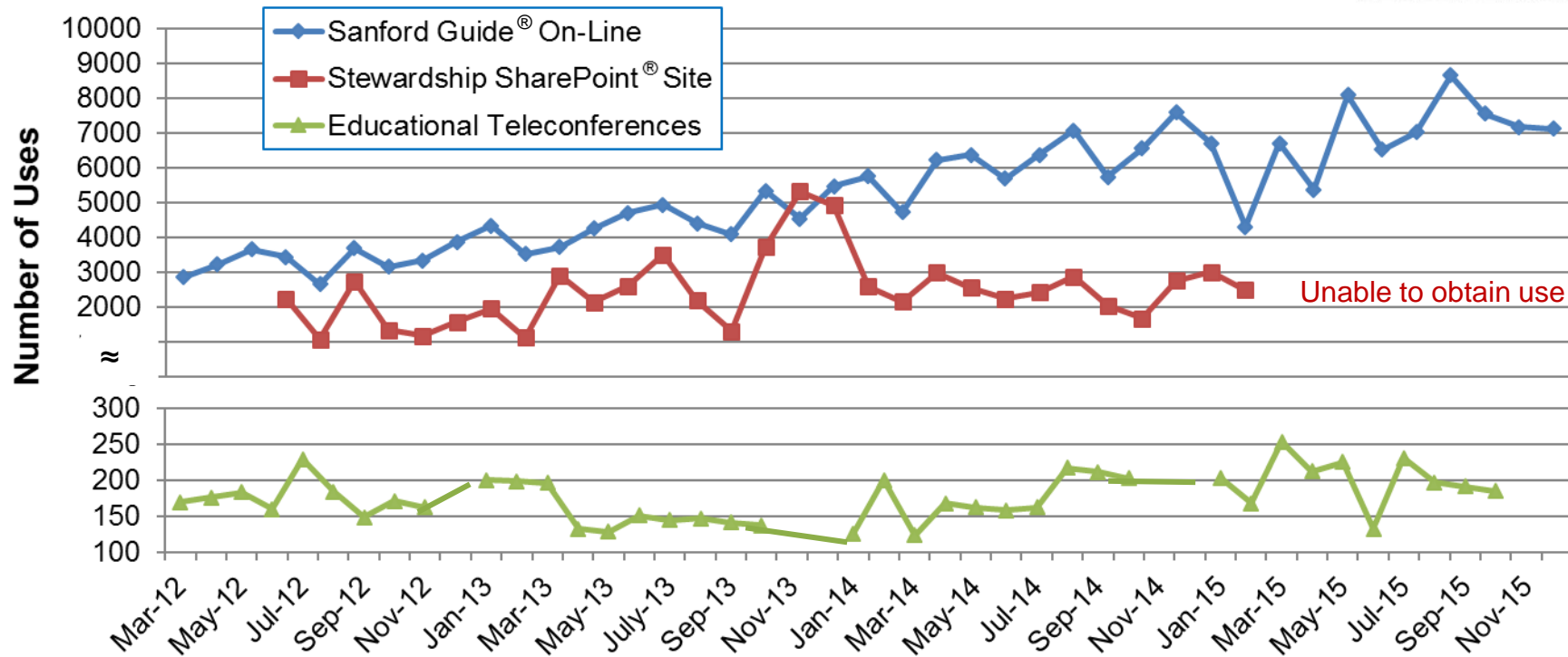
Asymptomatic bacteriuria



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Monthly Use of Resources

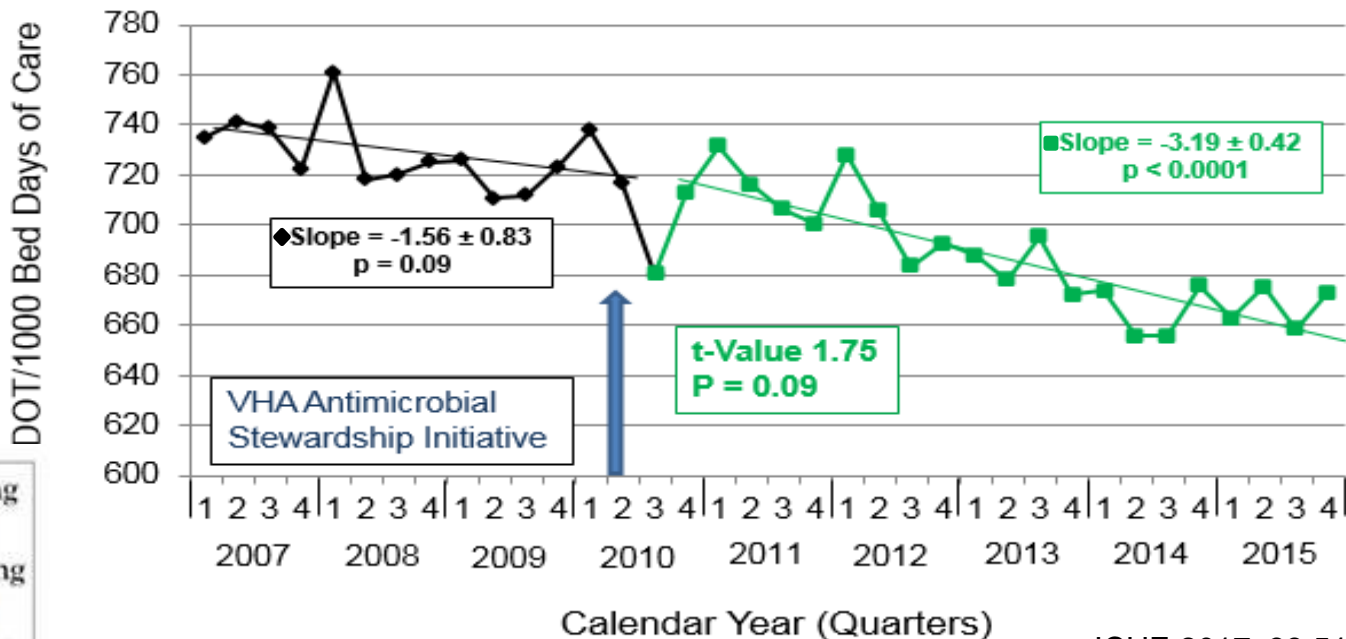




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Inpatient Antibiotic Days of Therapy per 1000 Bed Days of Care

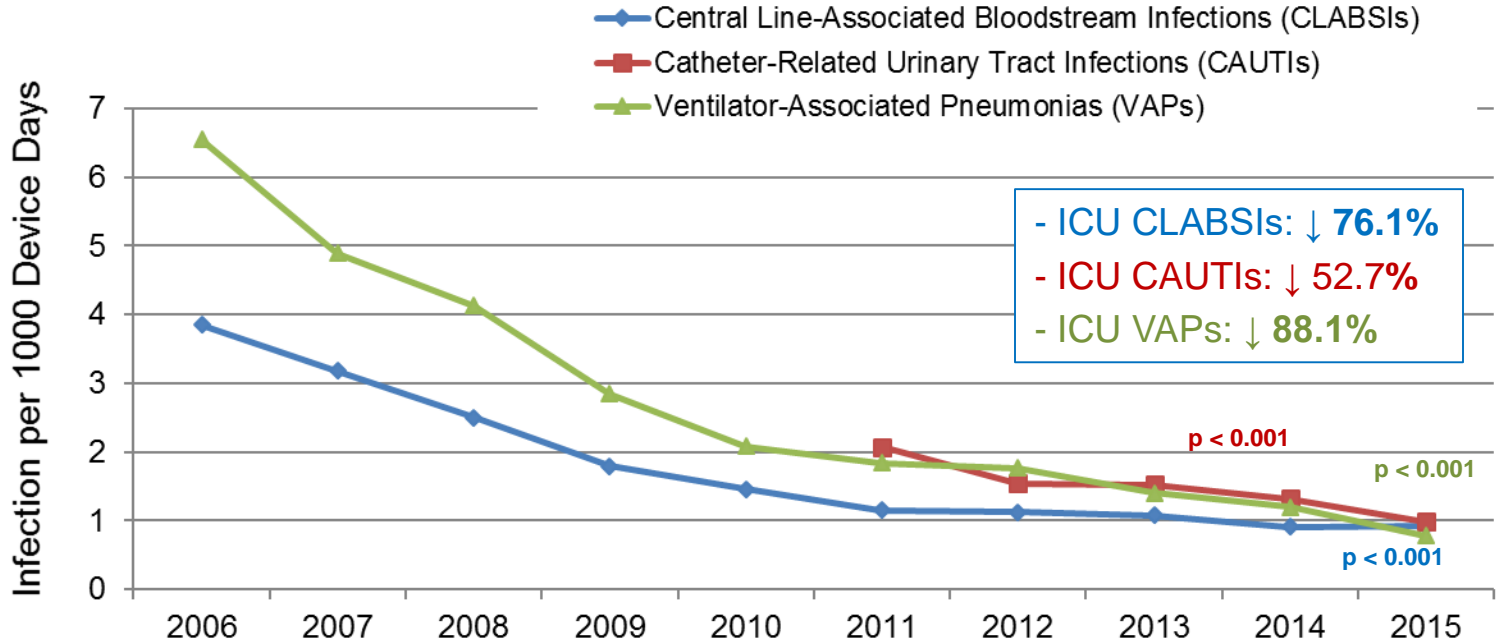




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Intensive Care Unit Device-Related Infection Rates by Fiscal Year



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VHA's Future Plans

- Targeted guidance for MDROs as necessary
- Continued expansion of antimicrobial stewardship programs into long term care and outpatient areas of care
- Continued expansion of capabilities to share VHA data with key stakeholders

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Thank you