

**Microorganisms Identified in Central Line-Associated Blood Stream Infections (CLABSI)
in Illinois Hospital Intensive Care Units
Reporting Period: 1/01/2014 - 12/31/2014**

A variety of organisms are found to contribute to central line-associated bloodstream infections (CLABSIs) in Illinois hospital Intensive Care units. Table 1 and Figure 1 show the organisms identified in such infections in 2014. In 2014, there were 412 microorganisms identified in 335 central line-associated bloodstream infections indicating that some infections have more than one organism present. The most common were *Candida* species (20%), Coagulase-negative *Staphylococci* (16%), and *Enterococcus* species (12%), which collectively represents 48% of total central line-associated bloodstream infections in Illinois. MRSA accounted for 5% of total CLABSIs.

Since 2010, there were 2316 isolates of CLABSIs reported in NHSN. Of which the most common microorganisms identified were Coagulase-negative *Staphylococci*, *Candida* species, and *Enterococcus* species. Figure 2 shows the organisms identified in CLABSIs in Illinois hospital ICUs from 2010-2014.

Table 1. Identification of Isolates of CLABSI in 2014

Pathogens	Number of Isolates *	Percent of Infections
Coagulase-negative <i>Staphylococci</i> (CNS)	65	16%
Methicillin-resistant <i>Staphylococcus aureus</i> (MRSA)	19	5%
Methicillin-susceptible <i>Staphylococcus aureus</i> (MSSA)	37	9%
<i>Enterococcus</i> species	51	12%
Vancomycin-resistant <i>Enterococcus</i> (VRE)	21	---
<i>Candida albicans</i>	33	8%
Other <i>Candida</i> species	50	12%
<i>Enterobacter</i> species	22	5%
<i>Klebsiella</i> species	25	6%
<i>Pseudomonas</i> species	24	6%
<i>Acinetobacter</i> species	8	2%
<i>Escherichia coli</i>	21	5%
Other gram-negative rods	29	7%
Other Pathogens	28	7%
Total	412	100%

* NHSN data reported as of June 28, 2015

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Figure 1. Microorganisms Identified in CLABSIs in IL ICUs, 2014

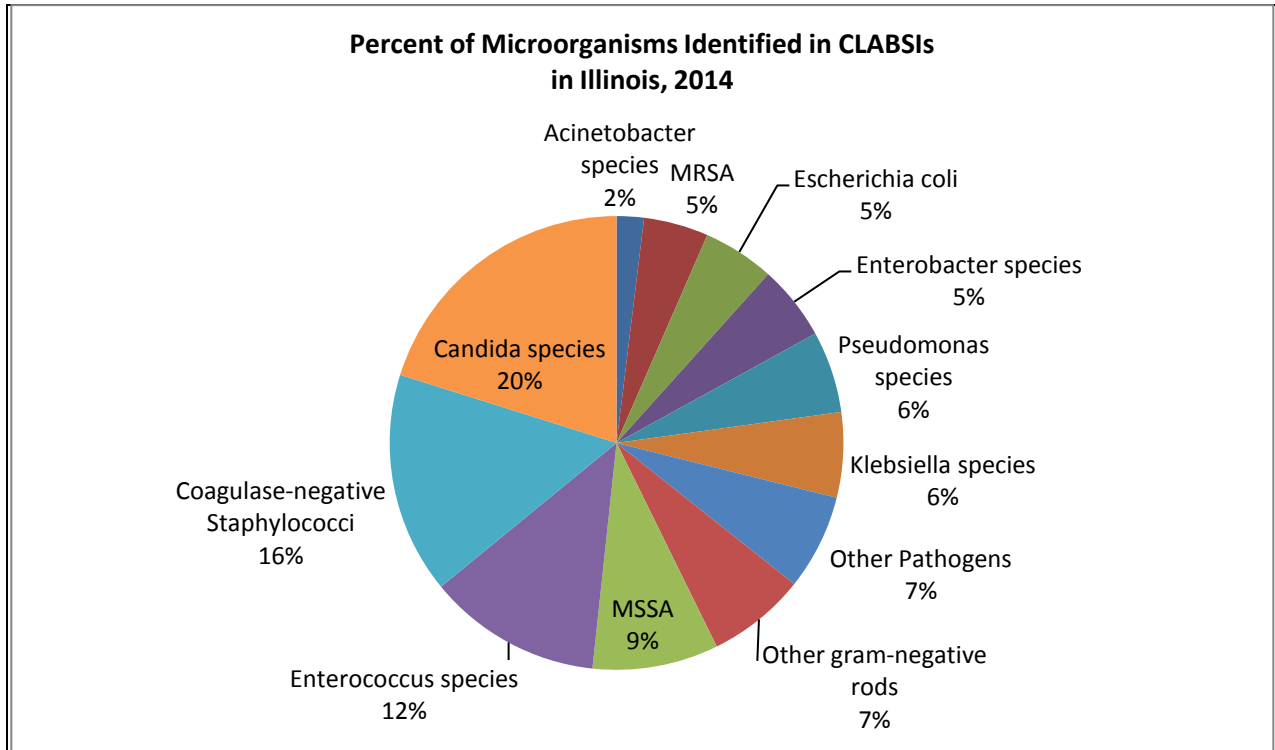
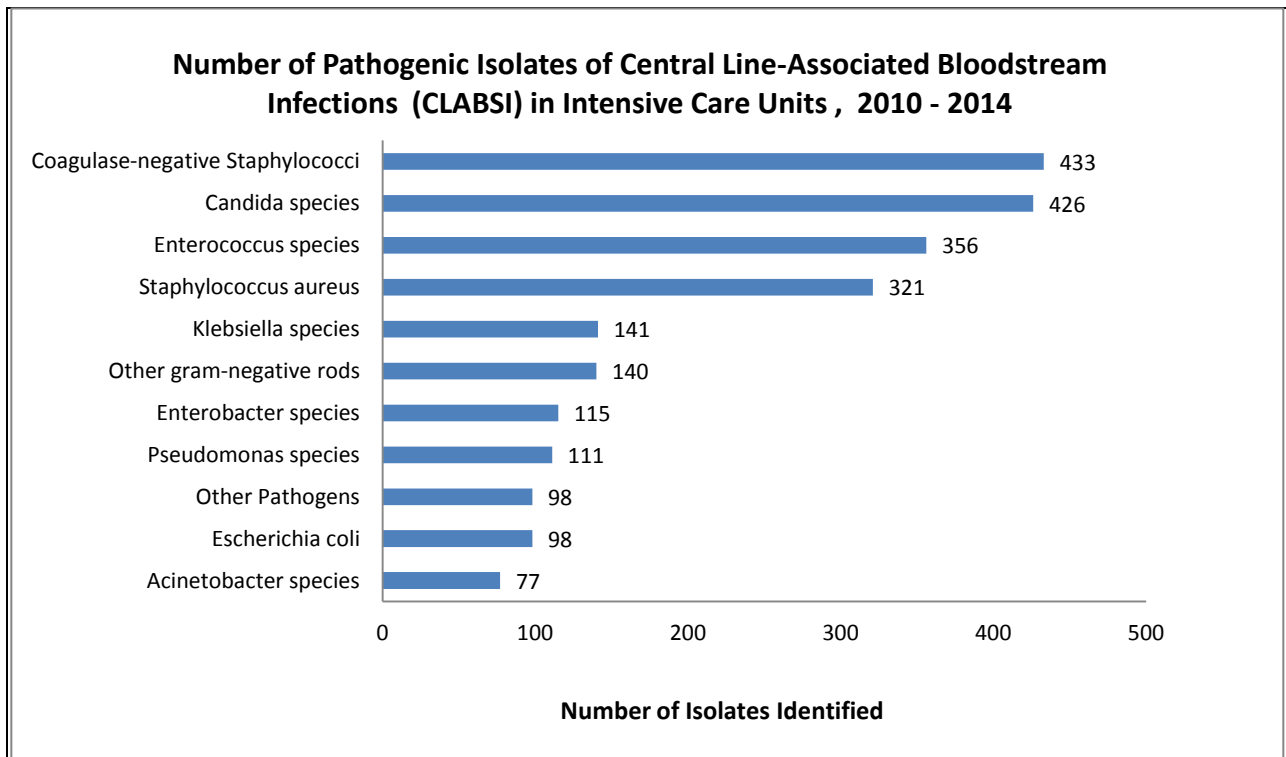


Figure 2. Microorganisms Identified in CLABSIs in IL ICUs, 2010 – 2014



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June, 2015**