

**Microorganisms Identified in Central Line-Associated Blood Stream Infections (CLABSI) in
Illinois Hospital Intensive Care Units
Reporting Period: 1/01/2015 - 12/31/2015**

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 2015. In 2015, there were 424 microorganisms identified in 389 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* (17%), and *Enterococcus* species (17%), which collectively represents 54% of total central line-associated bloodstream infections in Illinois. MRSA accounted for 3% of total CLABSIs.

Since 2010, there were 2739 isolates of CLABSIs reported in NHSN. Of which the most common microorganisms identified were *Candida* species, Coagulase-negative *Staphylococci*, and *Enterococcus* species. Figure 2 shows the organisms identified in CLABSIs in Illinois hospital ICUs from 2010-2015.

Table 1. Identification of Isolates of CLABSI in 2015

Pathogens	Number of Isolates	Percent of Infections
Coagulase-negative <i>Staphylococci</i> (CNS)	71	17%
Methicillin-resistant <i>Staphylococcus aureus</i> (MRSA)	13	3%
Methicillin-susceptible <i>Staphylococcus aureus</i> (MSSA)	32	8%
<i>Enterococcus</i> species	73	17%
Vancomycin-resistant <i>Enterococcus</i> (VRE)	32	
<i>Candida albicans</i>	32	8%
Other <i>Candida</i> species	51	12%
<i>Enterobacter</i> species	15	4%
<i>Klebsiella</i> species	20	5%
<i>Pseudomonas</i> species	20	5%
<i>Acinetobacter</i> species	9	2%
<i>Escherichia coli</i>	25	6%
Other gram-negative rods	31	7%
Other Pathogens	32	8%
Total	424	100%

* NHSN data reported as of June 20, 2016

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Figure 1. Microorganisms Identified in CLABSIs in IL ICUs, 2015

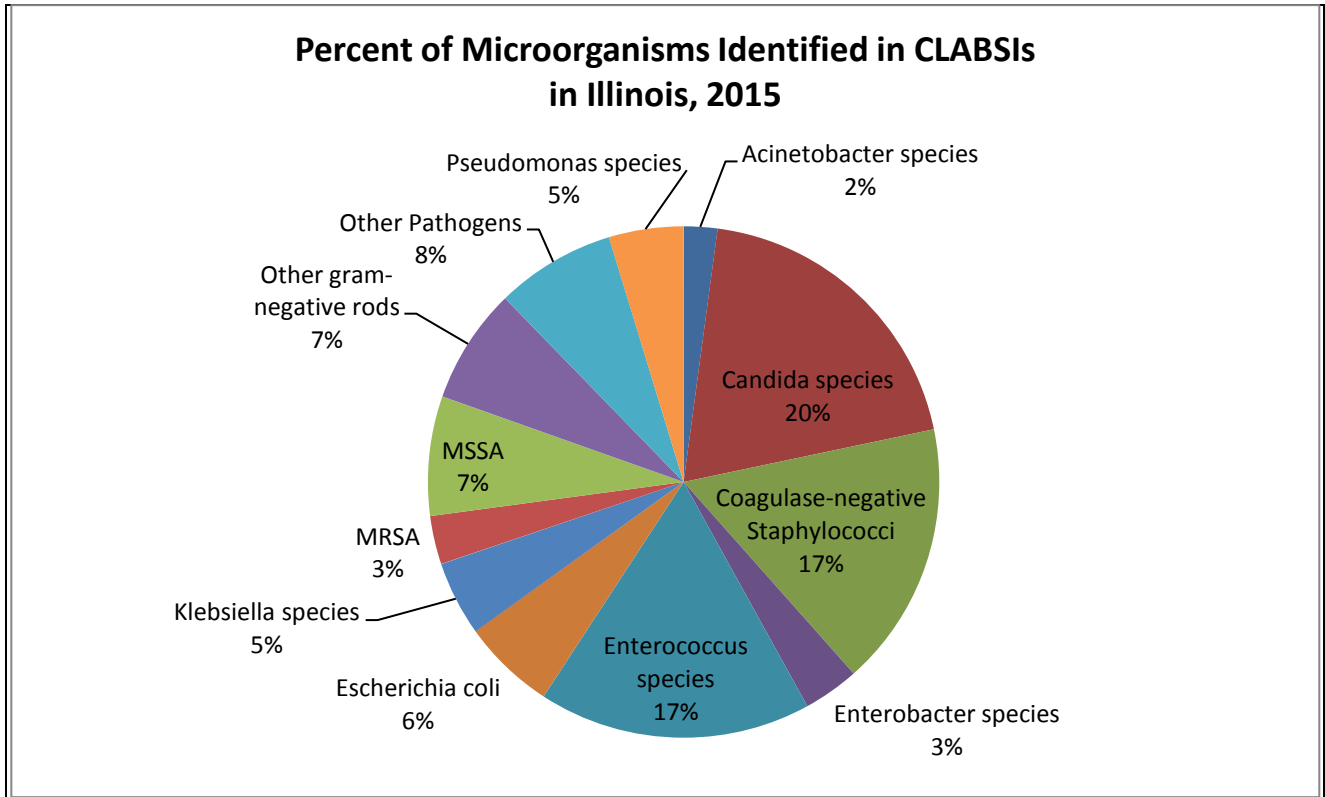
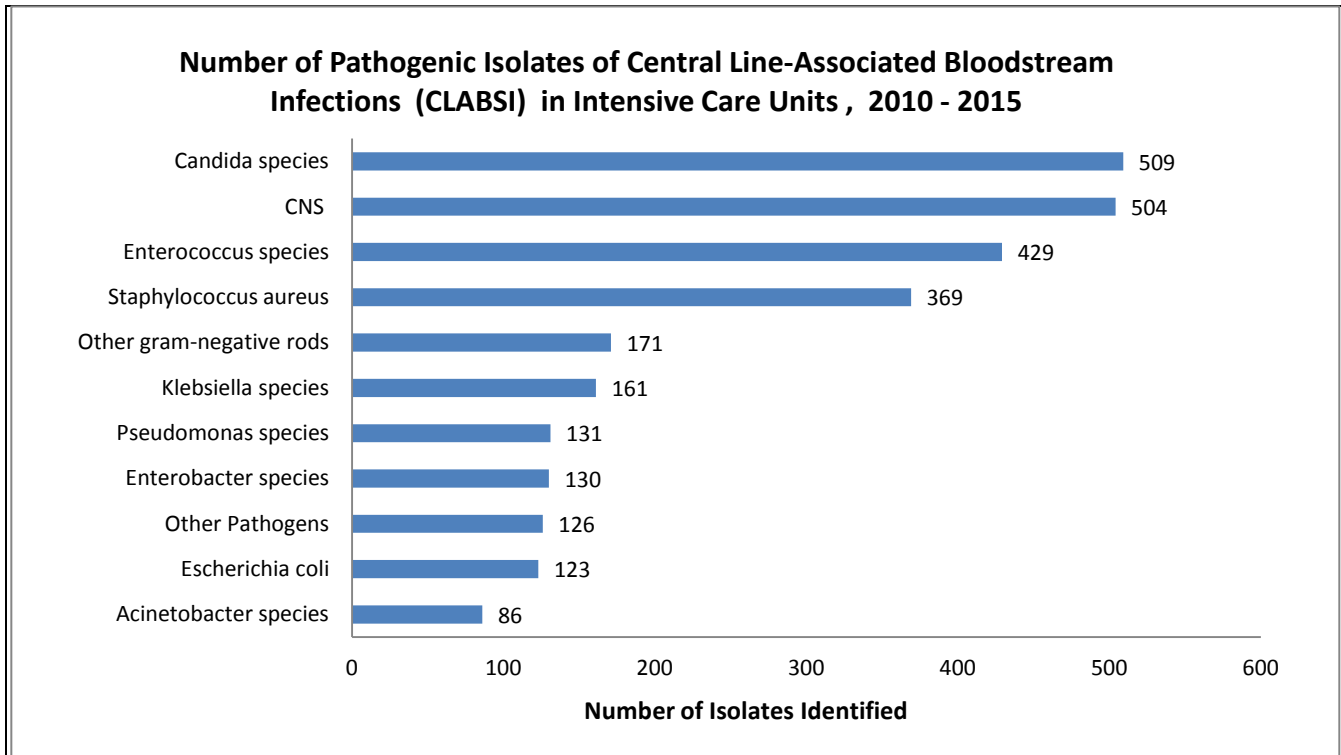


Figure 2. Microorganisms Identified in CLABSIs in IL ICUs, 2010 – 2015



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June, 2016**