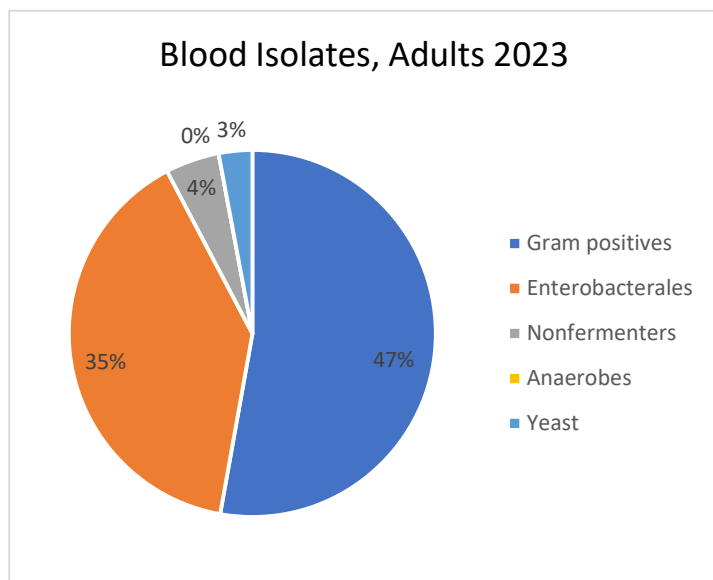


VUMC
Antimicrobial
Susceptibility Summary:
Adult Patients
2024

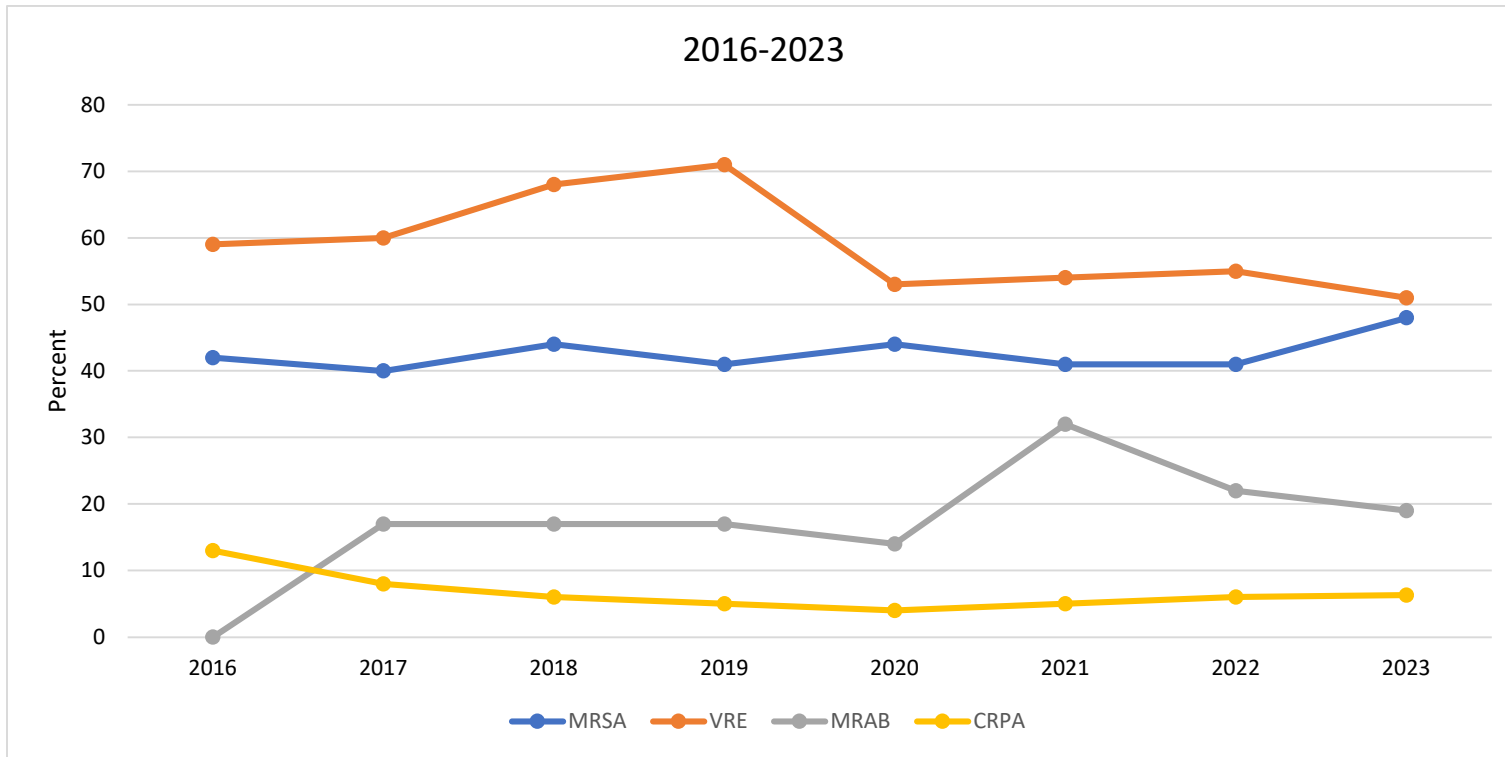
Table 10. Adults – Most common microorganisms isolated in blood cultures (n=1077)



Data represents first isolate per patient.

Most common organisms in blood	% Patients	Resistance
<i>Staphylococcus aureus</i>	17.9%	46% MRSA
<i>Escherichia coli</i>	15.9%	16% ESBL
<i>Klebsiella pneumoniae</i>	8.8%	26% ESBL
<i>Staphylococcus epidermidis</i>	6.8%	88% MRSE
<i>Enterococcus faecalis</i>	5.3%	0% ampicillin-R
<i>Streptococcus anginosus, intermedius, & mitis</i>	5.1%	0% ceftriaxone-R
<i>Streptococcus pyogenes & agalactiae</i>	4.4%	0% penicillin-R
<i>Enterococcus faecium</i>	3.7%	50% vancomycin-R
<i>Pseudomonas aeruginosa</i>	3.4%	15% cefepime-R
<i>Enterobacter cloacae</i>	3.0%	9% cefepime-R
<i>Klebsiella oxytoca</i>	2.2%	20% ESBL
<i>Proteus mirabilis</i>	2.1%	0% ESBL
<i>Serratia marcescens</i>	1.9%	0% cefepime-R
<i>Streptococcus pneumoniae</i>	1.3%	7% ceftriaxone-R
<i>Candida glabrata</i>	1.1%	0% micafungin-R
<i>Klebsiella aerogenes</i>	0.9%	0% cefepime-R
<i>Candida albicans</i>	0.8%	0% fluconazole-R
<i>Stenotrophomonas maltophilia</i>	0.7%	0% trim-sulfa-R
<i>Candida tropicalis</i>	0.7%	10% fluconazole-R

Figure 1. Multi-drug resistant Organism Trends, Adult Patients



Data exclude surveillance cultures

CRPA, carbapenem-resistant *Pseudomonas aeruginosa*; MRAB, meropenem-resistant *Acinetobacter baumannii* complex; MRSA, methicillin resistant *Staphylococcus aureus*; VRE, vancomycin resistant *Enterococcus faecium*

Figure 2. ESBL Trends, Blood Isolates in Adult Patients, 2016-2022

