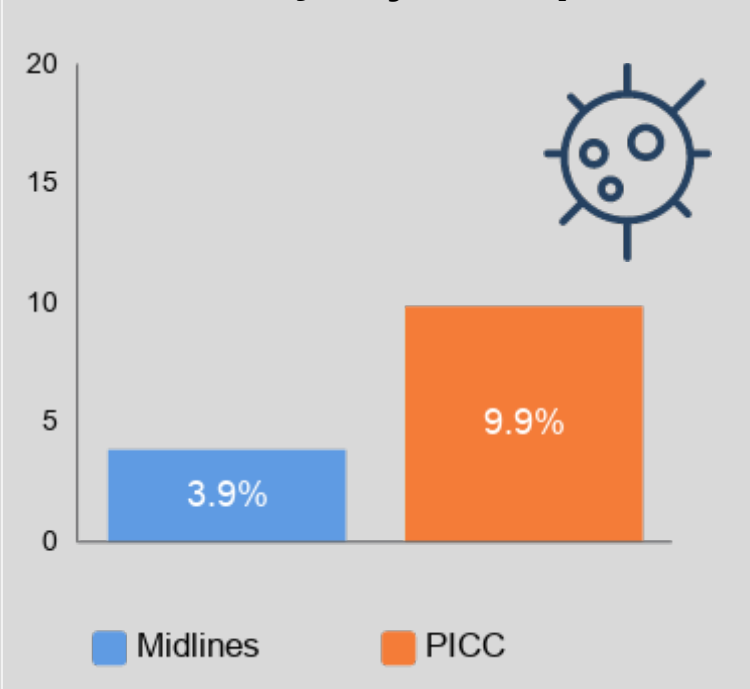


Safety and Outcomes of Midline Catheters Vs. Peripherally Inserted Central Catheters for Short-Term Indications: A Multi-Center Study

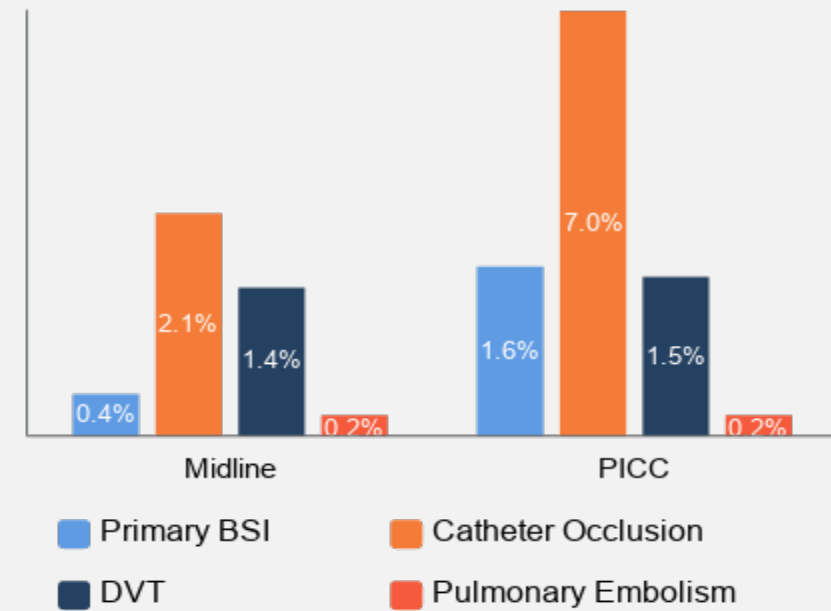
Data on 5,758 PICCs and 5,105 midlines from December 2017 through January 2020

Rates of Any Major Complication



Placement Indication	Placement Indication	
	Midline	PICC
Difficult access/blood draws	3694 (72.4%)	2307 (40.1%)
Short-term Antibiotics (<30 days)	2046 (40.1%)	4102 (71.2%)
Multiple fluids	62 (1.2%)	239 (4.2%)
Chemotherapy	5 (0.1%)	76 (1.3%)
TPN	2 (0.0%)	218 (3.8%)

Rates of Complications



*BSI and occlusion are statistically significant

Midlines appear to have lower risk of bloodstream infection and occlusion compared to PICCs for short-term indications