

From: The Michigan Appropriateness Guide for Intravenous Catheters (MAGIC): Results From a Multispecialty Panel Using the RAND/UCLA Appropriateness Method Michigan Appropriateness Guide for Intravenous Catheters (MAGIC)

Ann Intern Med. 2015;163(6_Supplement):S1-S40. doi:10.7326/M15-0744

Device Type	Proposed Duration of Infusion			
	≤5 d	6–14 d	15–30 d	≥31 d
Peripheral IV catheter	No preference between peripheral IV and US-guided peripheral IV catheter for use ≤5 d US-guided peripheral IV catheter preferred if venous access difficult			
US-guided peripheral IV catheter				
Midline catheter	Midline catheter preferred to PICCs if proposed duration is ≤14 d		Midline catheter neutral for frequent phlebotomy at this duration	
Nontunneled/acute central venous catheter	Central venous catheter preferred to PICC for use ≤14 d in critically ill patients			
PICC	Disagreement on appropriateness of PICC for durations <5 d	PICC use appropriate if proposed duration ≥6 d; PICC preferred to tunneled catheter for durations of 15–30 d		
Tunneled catheter			Tunneled catheter neutral for difficult intravenous access for use ≥15 d	
Port	Ports inappropriate for frequent phlebotomy, regardless of proposed duration of use			

Appropriate
Neutral
Inappropriate
Disagreement

Figure Legend:

Venous access device recommendations for patients who require frequent phlebotomy.
 IV = intravenous; PICC = peripherally inserted central catheter; US = ultrasonography.