Abstract:
Home infusion therapy and healthcare epidemiology experts developed candidate criteria for a home infusion CLABSI surveillance definition” Keller et al (2020).

Background: A consensus on a central line-associated bloodstream infection (CLABSI) surveillance definition in home infusion is needed to standardize measurement and benchmark CLABSI to provide data to drive improvement initiatives.

Methods: Experts across fields including home infusion therapy, infectious diseases, and healthcare epidemiology convened to perform a 3-step modified Delphi approach to obtain input and achieve consensus on a candidate home infusion CLABSI definition.

Results: The numerator criterion was identified by participants as involving one of the 2 following: (1) recognized pathogen isolated from blood culture and pathogen is not related to infection at another site, or (2) one of the following signs or symptoms: fever of 38°C (100.4°F), chills, or hypotension (systolic blood pressure ≤90 mm Hg), and one of the 2 followings: (A) common skin contaminant isolated from 2 blood cultures drawn on separate occasions and organism is not related to infection at another site, or (B) common skin
contaminant isolated from blood culture from patient with intravascular access device and
provider institutes appropriate antimicrobial therapy. The criteria for a denominator included
days from the day of admission with a central venous catheter to day of removal of central
venous catheter. In addition, 11 inclusion criteria and 4 exclusion criteria were included.

Discussion: Home infusion therapy and healthcare epidemiology experts developed
candidate criteria for a home infusion CLABSI surveillance definition.

Conclusions: Home care and home infusion agencies can use this definition to monitor their
own CLABSI rates and implement preventative strategies.

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Reference:

Keller, S., Salinas, A., Williams, D., McGoldrick, M., Gorski, L., Alexander, M., Norris, A.,
Charron, J., Stienecker, R.S., Passaretti, C., Maragakis, L. and Cosgrove, S.E. (2020) Reaching
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