

What nursing interventions prevent VAP in children?

Search for the Evidence

Search Strategies

Search selection included English-language publications on nursing interventions for prevention of VAP in children and adolescents.

Databases Used

PubMed, AHRQ

Critically Analyze the Evidence

- Implementation of VAP bundle resulted in a decreased VAP rate from 5.6 infections per 1000 ventilator days at baseline to 0.3 per 1000 ventilator days ([Bigham, Amato, Bondurant, et al, 2009](#)).
- Common VAP prevention interventions include the following ([Bigham, Amato, Bondurant, et al, 2009](#); [Garland, 2010](#); [Morrow, Argent, Jeena, et al, 2009](#); [Norris, Barnes, and Roberts, 2009](#); [Kollef, 2004](#); [Coffin, Klompas, Classes, et al, 2008](#)):
- Change ventilator circuits and in-line suction catheters only when soiled.
- Every 2 to 4 hours, drain condensate from ventilator circuit (use heated wire circuits to reduce rainout).
- Rinse oral suction devices after use and store in a non-sealed plastic bag at the bedside.
- Hand hygiene should be used before and after contact with ventilator circuit.
- Wear PPE before providing care to patients when soiling from respiratory secretions is anticipated.