Evidence-based innovation in oral care
Ventilator Associated Pneumonia (VAP) is the second most common hospital-acquired infection. It is deadlier than either central line-associated bloodstream infections or sepsis. It adds an estimated $40,000 in cost to a hospital stay.

Organizations—such as the Institute of Healthcare Improvement (IHI), Association for Professionals in Infection Control and Epidemiology (APIC), Centers for Disease Control (CDC), and American Association of Critical-Care Nurses (AACN)—have only recently recognized that using a CHG mouthwash and mechanical debridement for oral care will help reduce the risk for VAP.

Previous oral care products to address this issue have only been partial solutions, each with advantages and disadvantages, but all lacking a holistic approach. Innovative products must encompass caregiver and patient education, an ease-of-use that encourages compliance, and an oral care regimen that follows the emerging industry standard of care: IHI’s Ventilator Bundle.
Introducing a new line of oral care kits specifically for ventilator patients. Medline’s VAPrevent Oral Care System uses innovative design to address concerns such as consistent and timely performance of oral care. Combined with clinical education and program management, Medline’s VAP program uses evidence-based research to address the realities of a modern healthcare setting.
Clinical Education and Competency Validation…

The Medline VAP program helps build your staff’s knowledge base and clinical skill at every step of the process. Appropriate training is offered starting with your early decision making, proceeding to inservice trials, continuing to full or departmental implementation, and ongoing throughout your use of VAPrevent kits.

…during decision making
- VAP webinars provide clinical overviews to key decision makers
- On-site product specialists work with individuals and small groups

…for inservice trials
- Online education is offered through Medline University
- Interactive online competency assessment demonstrates knowledge
- Fast-track courses are available for experienced clinicians

…with full or departmental implementations
- Medline University courses available 24/7, trackable by your education coordinator

…ongoing
- Program sustaining or expansion support
- Medline University courses available 24/7
Program Management

Medline clinical programs feature a dedicated program manager who oversees and helps ensure customers’ success with the program. The VAP program manager will:

- Record your pre-VAPrevent incidence with a thorough intake document
- Provide 90-day reports that compare post-VAPrevent incidence
- Monitor product utilization per ventilator days to assure proper usage
- Calculate financial impact of the VAPrevent system on your facility
One Design, Three Choices

Only Medline offers these three options for oral care: the IHI-recommended CHG oral rinse, the proven antisepsis of hydrogen peroxide, and the alcohol-free moisturizing of Biotene® mouthwash. They all use color-coded packaging that identifies itself quickly, educates the caregiver thoroughly and drives compliance simply.

VAPrevent: CHG

- 0.12% chlorhexidine oral rinse in two convenient 15 ml bottles. Light mint flavor added. Rx only.
- Follows IHI Ventilator Bundle oral care recommendations.
- Biotene® mouthwash and Oral Balance® gel clean and moisturize for interim treatments.

MDS876904  Q4 VAPrevent System with CHG
MDS876902  Q2 VAPrevent System with CHG
VAPrevent: Biotene®

- Biotene mouthwash and Oral Balance gel gently clean, moisturize and fight odors. Alcohol-free.
- Salivary enzyme-protein system and moisturizing polymers relieve dry mouth symptoms.
- Bio-Active enzymes supplement saliva’s natural properties and protect the balance in the mouth.

MDS876804 Q4 VAPrevent System with Biotene
MDS876802 Q2 VAPrevent System with Biotene

VAPrevent: Hydrogen Peroxide

- Peroxi-Fresh® 1.5% hydrogen peroxide mouthwash for brushing/debridement and interim treatments. Light mint flavor added.
- Proven oral antisepsis.
- Biotene Oral Balance gel for moisturizing and soothing after every cleaning.

MDS876804HP Q4 VAPrevent System with Hydrogen Peroxide
MDS876802HP Q2 VAPrevent System with Hydrogen Peroxide
Easy, Organized Dispensing System

Each VAPrevent system features a sturdy, space-saving package. Within each system are the procedure kits—Oral Care Set-Up Kit, Suction Toothbrush & Catheter Kit and Suction Swab Kit. The system is designed to dispense these kits one-at-a-time and in the right order. The procedure kits are easily identifiable and labeled with which hour to use it, helping ensure treatments are on schedule. It’s a design that drives compliance.
VAPrevent system procedure kit contents

**Oral Care Set-Up Kit**
- Yankauer features closed-tip when not in use
- Flat, wide-angle “Y” connector
- Patient and family education “bookmark” packed inside
- Turn-valve for yankauer

**Suction Toothbrush & Catheter Kit**
- Your choice of CHG, Peroxi-Fresh H₂O₂, or Biotene mouthwash
- 2x daily in q4 and q2 systems
- Graduated 14F catheter for subglottal suctioning
- Soft bristle suction toothbrush with integrated tongue and gum cleaning pad
- Biotene Oral Balance moisturizing gel and applicator swab

**Suction Swab Kit**
- 4x daily in q4 systems, 10x daily in q2 systems
- Biotene Dry Mouth mouthwash with natural enzymes (CHG and Biotene kits)
- Peroxi-Fresh 1.5% H₂O₂ mouthwash (Hydrogen Peroxide kit only)
- Dentifrice-treated suction swab
- Biotene Oral Balance moisturizing gel and applicator swab
Educational Packaging  (Exterior Box)

To help make it easy for the clinician to do the right thing, Medline’s packaging gives clear written and visual instructions and helps increase compliance with hospital protocols.

Outer front of box

- Easy to identify which mouthwash the kit contains
- Space to record start time, date and patient information
- Easy identification of oral care frequency
- Checklist of activities to help reduce VAP
Outer back of box

- Clear visual identification of kit components
- Written instructions give specific directions for set up
- Diagram shows how components are set up
- On/Off suction valve use is explained
Educational Packaging (Interior Procedure Kit)

VAPrevent procedure kits provide the right information, at the right time, right at the point of care. Recognizing that multiple nursing shifts will use a 24-hour kit, Medline Educational Packaging smoothes handoffs, reinforces competency, and drives compliance.

Front of individual procedure kit

Top label provides professional tips and oral care assessment

24-HR VAPREVENT SYSTEM
Q4 ORAL CARE WITH CHG

ORAL CARE ASSESSMENT
Please conduct a thorough oral and dental assessment on admission and twice daily.

ORAL CARE TIPS
Yankauer should be rinsed with saline solution and wiped off with an alcohol swab after use.

CONTENTS:
1 Covered Yankauer • 1 On/Off Valve • 1 Y-Connector

Side label identifies type of kit and when to use

Thumb grip for easy dispensing
Patient and family education bookmark

- Packaged in each set-up kit
- Encourages compliance and cooperation for better outcomes
- Empowers family with knowledge of VAP
- Spanish version available

Back of individual procedure kit

Tyvek® backing is sturdy yet easy to peel

Just-in-time instructions on each kit clearly show and explain each step. Instructions are easy to follow and reinforce competencies learned in formal training.
# VAP Product Comparison

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Clinical Resources

- Oral Cavity Assessment and Recommended Care Guide
- Oral Care Policy & Protocol with CHG
- Oral Care Policy & Protocol with Biotene
- Oral Care Policy & Protocol with Hydrogen Peroxide
- Bed Elevation Angle Tool
References


2. IHI: http://www.ihi.org/IHI/Topics/CriticalCare/IntensiveCare/Changes/ImplementtheVentilatorBundle.htm