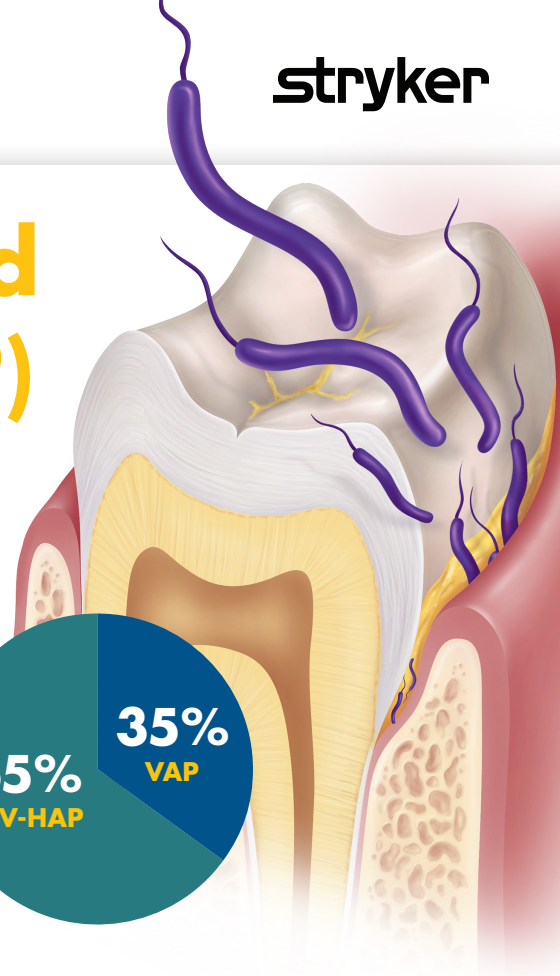


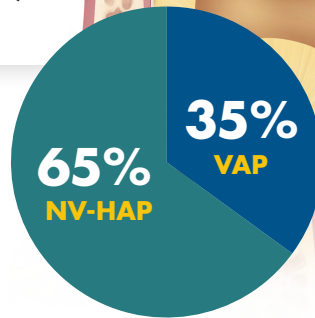
Hospital-acquired pneumonia (HAP)

In a multistate prevalence study, HAP was found to be one of the most prevalent healthcare-acquired infections (HAIs), accounting for 25% of HAIs. Of those HAIs, 65% were non-ventilator HAP (NV-HAP).¹



#1 HAI

Hospital-acquired infection in the US²



80%↑
hospital admissions
may be at a higher risk
for HAP³



Within **48 hours** of admission, the normal oral flora changes to include respiratory pathogens not normally found in healthy individuals⁴

Every **4-6 hours** 20 billion bacteria replicate in the oral cavity⁵

Patients with NV-HAP:

5x
more likely to require a ventilator⁶

16%
average mortality rate⁷

The cost of NV-HAP:

19.3%
of patients are readmitted for pneumonia within 30 days⁶

\$39,897
estimated Acute Care cost per case⁸

Professional guidelines

ADA evidence-based protocol⁹

Brush two - four times a day

- Use a **soft bristled** toothbrush
- Use **plaque-removing** toothpaste
- Use **sodium bicarbonate**
- Use a **nonpetroleum-based moisturizer**

Dependent patients

- Use **24-hour suction toothbrush kits** for high aspiration-risk patients
- Use a **soft bristled** toothbrush

Edentulate patients (2 times a day)

- For patients with dentures, remove and soak dentures
- **Brush gums and mouth**
- Prevent patients from sleeping with dentures in place

AACN guideline recommendations⁴

Brush four times a day (after each meal, before bedtime)

- Use a **soft bristled** toothbrush
- Use an alcohol-free **antiseptic oral rinse**
- Use **non petroleum-based** moisturizer
- Use **therapeutic toothpaste**

Dependent patients

- Brush with a **suction toothbrush**

Edentulate patients

- If no teeth or dentures, **gently brush gums, tongue** four times a day

Continuum of care: HAP reduction initiative

One hospital's findings in 1 year:⁷

37%

less likely to
acquire NV-HAP

60

NV-HAP
cases avoided

\$2.28M

return on investment
(ROI)

All hospital patients are at risk⁷

Address the risk factors associated with pneumonia throughout the **continuum of care**:

Pre-surgical

Ventilated

Non-ventilated
Dependent Independent



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