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 case⁶
Professional guidelines

**ADA evidence-based protocol**

**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 recommendations**

**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

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**Continuum of care: HAP reduction initiative**

**One hospital’s findings in 1 year:**

37% less likely to acquire NV-HAP

60 NV-HAP cases avoided

$2.28M return on investment (ROI)

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**All hospital patients are at risk**

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

1. **Pre-surgical**
2. **Ventilated**
3. **Non-ventilated**
   - Dependent
   - Independent

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