

# Uncover and quantify hospital-acquired pneumonia (HAP)

#1 HAI

hospital-acquired infection in the US<sup>1</sup>

\$39,897

estimated Acute Care cost per case<sup>2</sup>

Oral care is the **missed practice** from the patients' perspective<sup>3</sup>

### Understand your current practice<sup>4</sup>

A basic oral care practice assessment helps uncover gaps

#### For example:

- Non-ventilator oral care protocol
- Current product usage
- Logistical gaps
- Product and education needs

47%

of 4,856 patients did **not use or have access** to a toothbrush

## Understand toothbrush usage<sup>4</sup>

Toothbrush testing highlights a need for replacement protocol and bacterial colonization rates

A third party laboratory tests toothbrushes for five bacterial strains:

- MRSA
- S. Aureus
- Enterococcus
- VRE
- Gram-negatives

49%

of 1,086 toothbrushes were contaminated

## Quantified patient and financial impact

#### Partner with Sage to determine impact

Obtain one year's diagnosis (1-10), present on admission data, age, length of stay (LOS), and discharge path for all patients.

#### **Example of data set needed:**

Patient	Age	LOS	Discharge	Diagnosis_1	POA_1
A	60	4	Hospice	J18.9	Yes
В	40	15	Expired	J18.9	No
С	80	7	Home	J18.9	Yes

**CustomerOne** mines data for ICD-10 codes associated with pneumonia or sepsis that developed 48 hours after admission.

#### Findings to include:

- Number of non-ventilator HAPs
- Sepsis correlation to non-ventilator HAPs
- Discharge path (Hospice, Expired, Home)
- Mortality rate
- Average length of stay
- Average age
- Cost

#### Continuum of care: HAP reduction initiative

One hospital's findings in 1 year:5

37% less likely to

**less likely** to acquire NV-HAP

60

NV-HAP cases avoided

\$2.28M

return on investment (ROI)

### All hospital patients are at risk<sup>5</sup>

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

## Pre-surgical Ventilated Dependent Independent Rom-ventilated Dependent Independent Rom-ventilated Dependent Independent

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