



Hand Hygiene

COMPLIANCE IMPACT SCENARIOS

Project A

Characteristics:

- **35 beds**
 - **2 year** Women's Services project
- ↑ **15% increase**
in HH compliance

HAIs Prevented:

1 HAI
(0 – 2 HAIs)

Lives Saved:

0 lives

Dollars Saved:

\$28k
(\$2k – \$96k)

Project B

Characteristics:

- **250 beds**
 - **2 year** pediatric med/surg project
- ↑ **25% increase**
in HH compliance

HAIs Prevented:

58 HAI
(20 – 108 HAIs)

Lives Saved:

5 lives
(0 – 22 lives)

Dollars Saved:

\$1.7MM
(\$131k – \$5.8MM)

Project C

Characteristics:

- **500 beds**
 - **2 year** ICU project
- ↑ **20% increase**
in HH compliance

HAIs Prevented:

224 HAI
(61 – 473 HAIs)

Lives Saved:

21 lives
(1 – 86 lives)

Dollars Saved:

\$7.5MM
(\$528k – \$29MM)

*The provided value is the average. The values in the parentheses are the range of the 95% confidence interval. To be more conservative on impact, move towards the lower 95th percentile.

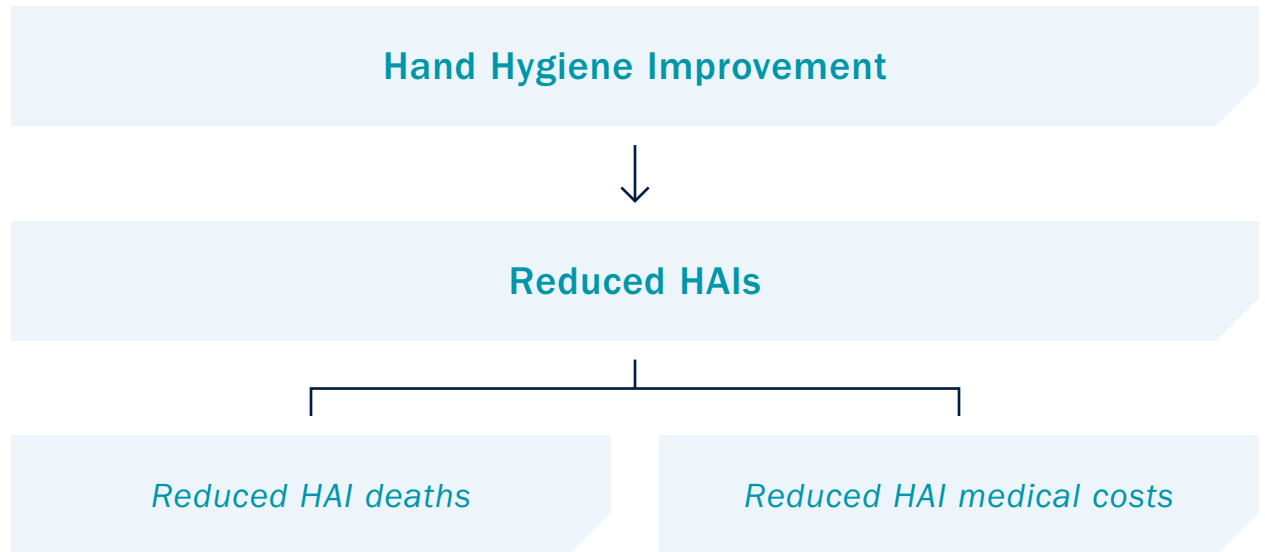
**The dollar values only include costs associated with avoided costs due to HAIs treatment.



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MODEL OVERVIEW

Casual Chain



Data Sources

- TST Project Data
- Literature on the impact of hand hygiene
- NHSN data on patient days and device days
- HCUP and AHA data on types of hospitalizations
- Literature on attributable mortality of HAIs
- Literature on medical costs of HAIs

