### Hand Hygiene

**COMPLIANCE IMPACT SCENARIOS**

<table>
<thead>
<tr>
<th>Project</th>
<th>Characteristics:</th>
<th>HAIs Prevented:</th>
<th>Lives Saved:</th>
<th>Dollars Saved:</th>
</tr>
</thead>
</table>
| **A**    | • 35 beds  
           • 2 year Women’s Services project  
           ▲ 15% increase in HH compliance | 1 HAI (0 – 2 HAIs)   | 0 lives           | $28k ($2k – $96k)         |
| **B**    | • 250 beds  
           • 2 year pediatric med/surg project  
           ▲ 25% increase in HH compliance | 58 HAI (20 – 108 HAIs) | 5 lives (0 – 22 lives) | $1.7MM ($131k – $5.8MM) |
| **C**    | • 500 beds  
           • 2 year ICU project  
           ▲ 20% increase in HH compliance | 224 HAI (61 – 473 HAIs) | 21 lives (1 – 86 lives) | $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.*
Casual Chain

Hand Hygiene Improvement

Reduced HAIs

Reduced HAI deaths

Reduced HAI medical costs

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