

# Committed to Better: Reducing Infections After Surgery

## ON-SQIN Hospitals Surpass Campaign Target

Last year, Ontario Surgical Quality Improvement Network hospitals committed to better — better care, better quality, better outcomes.

As part of the first-ever collaborative campaign, 30 ON-SQIN hospitals (27 adult hospitals and 3 pediatric hospitals) pledged to reduce one or all of the following post-surgical infection rates: urinary tract infection (UTI), surgical site infection (SSI), and pneumonia. Their goal? A combined 20% reduction.

Using their 2018/19 Surgical Quality Improvement Plans, participating hospitals benchmarked their infection rates against their international counterparts and made changes to practices before, during, and after surgery.

### *The results are in...*

You've achieved a **27%**  
combined reduction  
in rates of UTI, SSI,  
and pneumonia\*

That's **1,135** adult<sup>†</sup>  
and **285** pediatric<sup>§</sup>  
patients in Ontario who  
avoided at least one  
infection (estimated)

\*Data reported in participating adult and pediatric hospitals' 2018/19 Surgical Quality Improvement Plans (28 of 30 hospital sites submitted results).  
†Data based on numbers found in: Your Health System Insight. Discharge Abstract Database 2009/10-2016-17. Canadian Institute for Health Information.  
§Data based on estimated annual surgical volumes at participating pediatric sites.





# A quick glance at how hospitals improved patient outcomes in these key areas.

## Urinary Tract Infection



**63% reduction in 10 hospitals**

from April 1, 2018 to March 31, 2019

That's an estimated 1,283 adult<sup>†</sup> and 34 pediatric<sup>§</sup> patients who avoided a UTI

**Top 3 change ideas:**

- Early removal of urinary catheters
- Aseptic techniques for catheter insertion
- Education and training on appropriate catheter use

## Surgical Site Infection



**21% reduction in 24 hospitals**

from April 1, 2018 to March 31, 2019

That's an estimated 686 adult<sup>†</sup> and 226 pediatric<sup>§</sup> patients who avoided an SSI

**Top 3 change ideas:**

- Antibiotic prophylaxis
- Normothermia
- Bathing before surgery

## Pneumonia



**18% reduction in 2 hospitals**

from April 1, 2018 to March 31, 2019

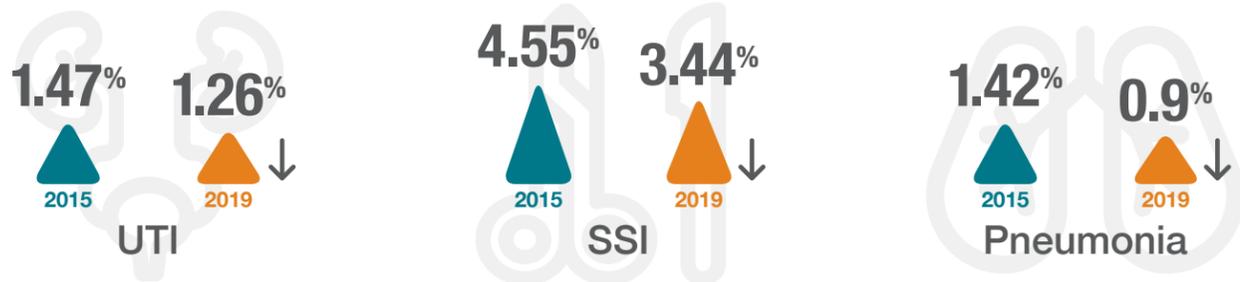
That's an estimated 12 adult<sup>†</sup> patients who avoided pneumonia

**Top 3 change ideas:**

- Standardized order sets
- Patient
- Oral hygiene

<sup>†</sup>Data based on numbers found in: Your Health System Insight. Discharge Abstract Database 2009/10-2016-17. Canadian Institute for Health Information. <sup>§</sup>Data based on estimated annual surgical volumes at participating pediatric sites.

## Risk-adjusted rate of post-surgical infections over time in ON-SQIN hospitals\*



\*Data from the January 2019 ACS NSQIP Ontario Semi-Annual Report. Reporting period includes only the first 3 months of the campaign.

We're seeing our risk-adjusted data improving. However there's still work to be done. We encourage all hospitals to celebrate their success – and keep the momentum going.

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## Certificate of Achievement

The results are in...

(INSERT HOSPITAL NAME)

reduced post-surgical infections for our patients by:

(INSERT STATISTIC)

Congratulations to our surgical team!

