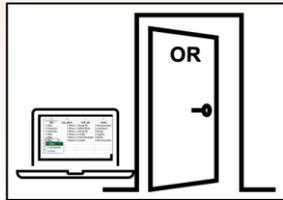


# Reducing Door Openings During Surgery

## What we did

**Focused** on neurosurgical implant cases due to uptick in **surgical site infections** which may be linked to OR traffic.

**Collected** baseline door opening data



**Delivered** OR traffic education & survey



**Put up door signs** & collected data



**72 hours** of observation in the OR (4 cases before intervention and 12 cases after).

## What we found

So many door openings...

**1 opening every 2 minutes!**

Did our intervention bundle cause changes in the **overall** door opening rate? We can't conclude that according to the run chart. However, we observed:

- **Fewer door openings** for getting supplies & unnecessary reasons.
- **15 fewer door openings** per case for perioperative nurses.



Pre-Intervention

170.99 DO count per case



Post-Intervention

137.73 DO count per case



33.26 DO count per case

## Conclusion

Our **project promoted awareness.**

To reduce OR traffic, we need **policy changes**, better **surgical supply preparation** and **all-staff buy-in.**



### Project title

A Quality Improvement Project to Monitor and Reduce Operating Room Traffic Within Neurosurgical Implant Surgery

### Authors

Navdeep Boparai, BSN, RN  
Stacey Bowditch, BSN, RN  
Sarunya Guerquin, MSc, BSN, RN