

Reducing Door Openings During Surgery

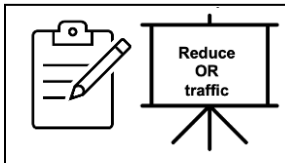
What we did

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