# 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.

## 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

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[Graph showing pre-intervention and post-intervention DO counts per case with a decrease of 3.26 DO count per case.]