

SCD Compliance on Observation Floors.

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SCD Compliance on Observation Floors

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- **Sequential Compression Devices (SCDs)** - mechanical prophylaxis of Deep Vein Thromboembolisms (DVTs)

- Explore current research
- Collect pre-project data on observations of SCD use on patients with SCD orders
- Develop and administer an SCD compliance questionnaire to RN & TP staff on project units to identify staff barriers
- Randomly survey SCD compliance
- Explore the evidence related to staff barriers
- Develop Staff Education Tip Sheet to confront misguided barriers
- Re-evaluate staff opinions and barriers
- Re-survey SCD compliance and collect post project data to evaluate effectiveness of education on improving SCD compliance

- Initial survey of participating floors
 - Average compliance – 52%
 - Highest compliance - 87%
 - Lowest compliance – 18%
- Post tip sheet survey
 - Average compliance – 54%
 - Highest compliance – 86%
 - Lowest compliance – 22%
- No significant change was noted after tip sheet distribution

- FY 17 Quarter 1 showed average compliance of 71-91% across the project units for observation of SCD use.
 - Organizational goal set for 100% compliance.

Med-Surg, and 7T-Observation/ Med-Surg).

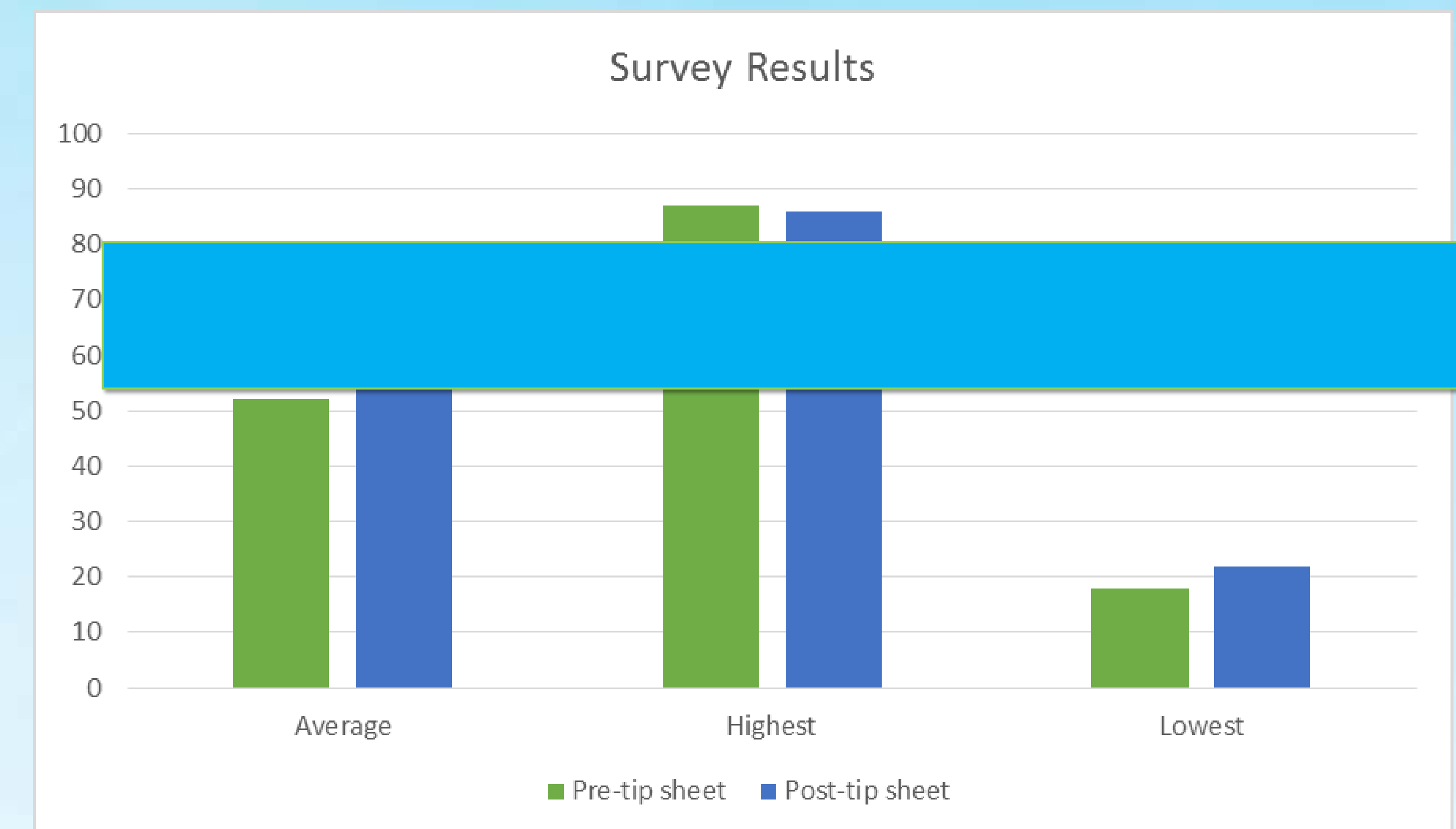
- Top reported barriers
 - Increased risk for falls
 - Patient's inability to wear SCDs for recommended amount of time to be effective

PICO Question

Does the provision of specific risk vs benefit education regarding SCD use to nurses on adult Medical/Surgical and Observation units increase SCD compliance?

Evidence

- Sequential compression device compliance is suboptimal, and strategies to improve compliance must be investigated.
 - (Bockheim, H. M., McAllen, K. J., Baker, R., & Barletta, J. F., 2009)
- Patient outcomes can be improved through nurses' enhanced teaching skills and by helping patients to understand why the skill is being taught.
 - (Burkhart, J. A., 2008 and Cravener, P., 1996)
- An individual's willingness to comply with an intervention depends on perceived benefit and barriers to taking action.
 - (Crumley, C., 2011)
- Venous thromboembolism is considered the most preventable cause of hospital-related death.
 - (Michota, F. A., 2007)
- Patient and nurse/hospital related barriers exist to compliance with SCD use and must be identified to develop strategies to improve compliance.
 - (Ritsema, D. F., Watson, J. M., Stiteler, A. P., & Nguyen, M. M., 2015 and Brady, M. A., Carroll, A. W., Cheang, K. I., Straight, C., & Chelmow, D., 2015)



Recommendations

- Further research into how to improve compliance
- Continued education to floor staff about importance of SCD use

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