

Can Hand Washing Champions Increase Hand Hygiene Compliance (HHC)?

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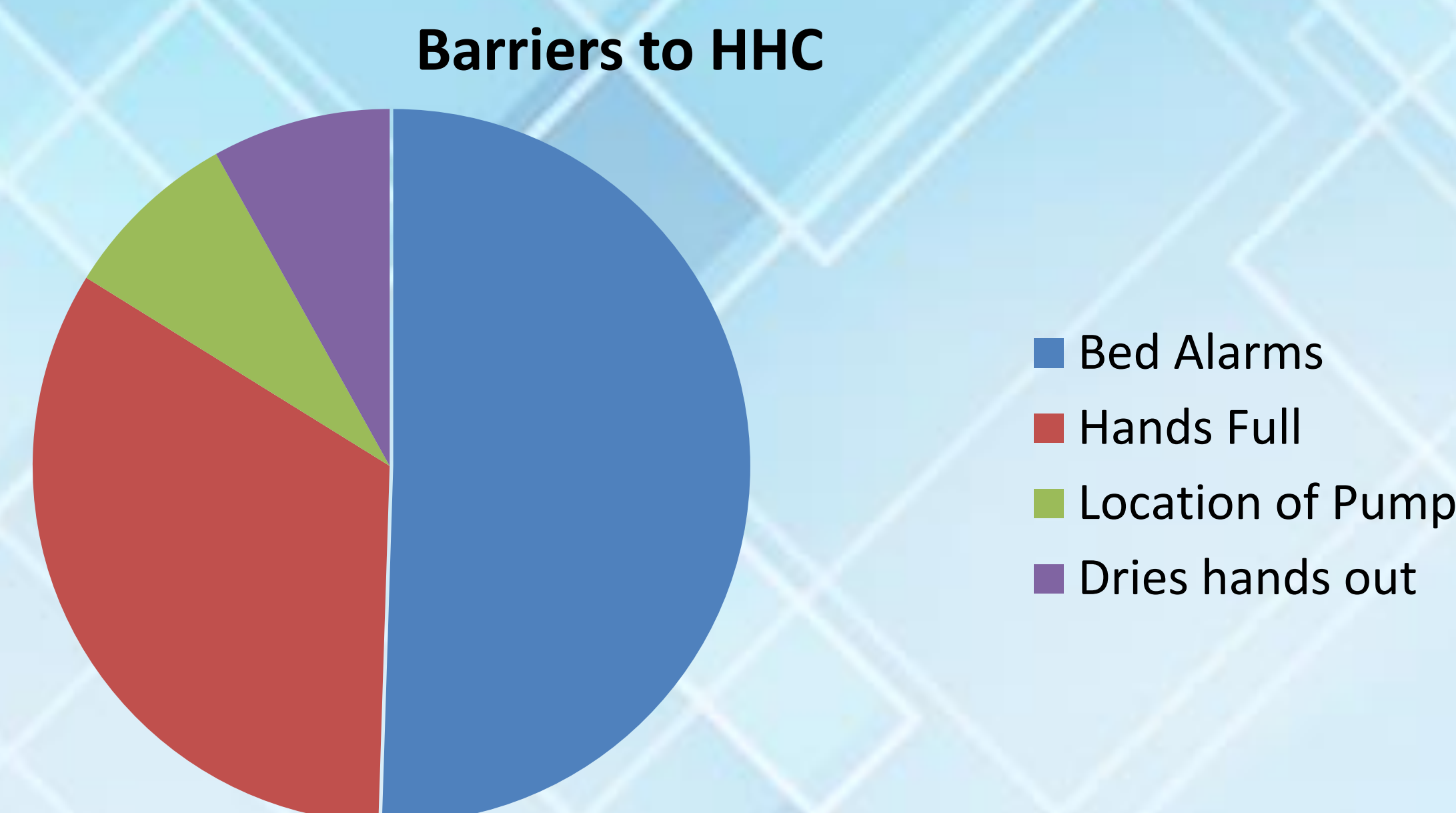
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Background

Within the past year poor hand hygiene compliance (HHC) has been noted among nursing staff on 5K-MED SURG. In March 2018 the results of HHC from the LVHN secret shopper program was **60%**. HHC is a Joint Commission National Patient Safety Goal (NPSG.07.01.01) and should be adhered to by 100% of Nursing staff.

“Clean hands are the single most important factor in preventing the spread of pathogens and antibiotic resistance in healthcare settings.” (Centers for Disease Control and Prevention, 2016)

What is preventing 100% compliance 5K?



PICO

For all Nursing Staff on 5K- MED SURG, does the multimodal approach of direct observation, coaching and positive reinforcement increase HHC?

P: All nursing staff on 5K

I: Direct observation, coaching and positive reinforcement by a designated handwashing champion

C: No implementation of coaching and positive reinforcement

O: Increased hand washing compliance

Evidence

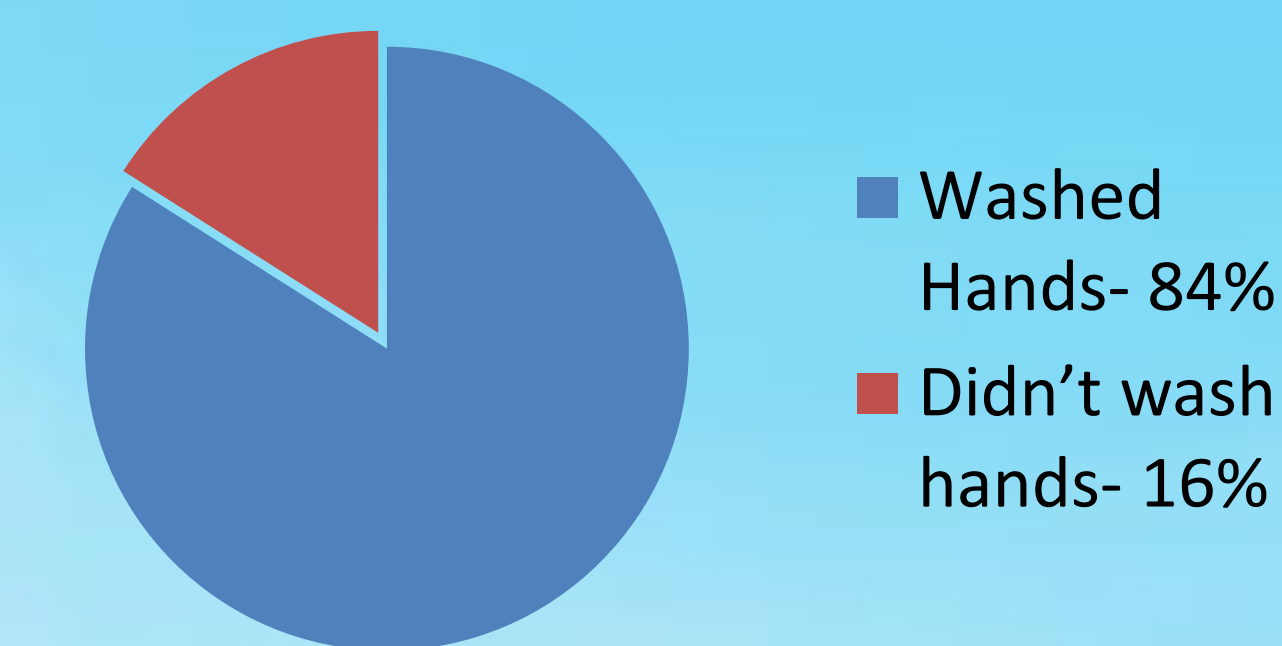
- “ Role models help drive and promote hand hygiene compliance” (Johnson, Kaehler, Siska, Lecy, & O’neil, 2011)
- “ Where there was a supportive culture, compliance with hand hygiene guidelines was improved”(Smiddy, M. P., Connell, R. O., & Creedon, S. A. (2015)
- “Psychological frameworks of behaviour change demonstrate significant potential for predicting hand hygiene behavior and informing interventions to improve hand hygiene compliance” (Srigley, et al., 2015)
 - Coaching and positive reinforcement are included as interventions of psychological frameworks of behavior change.

Implementation

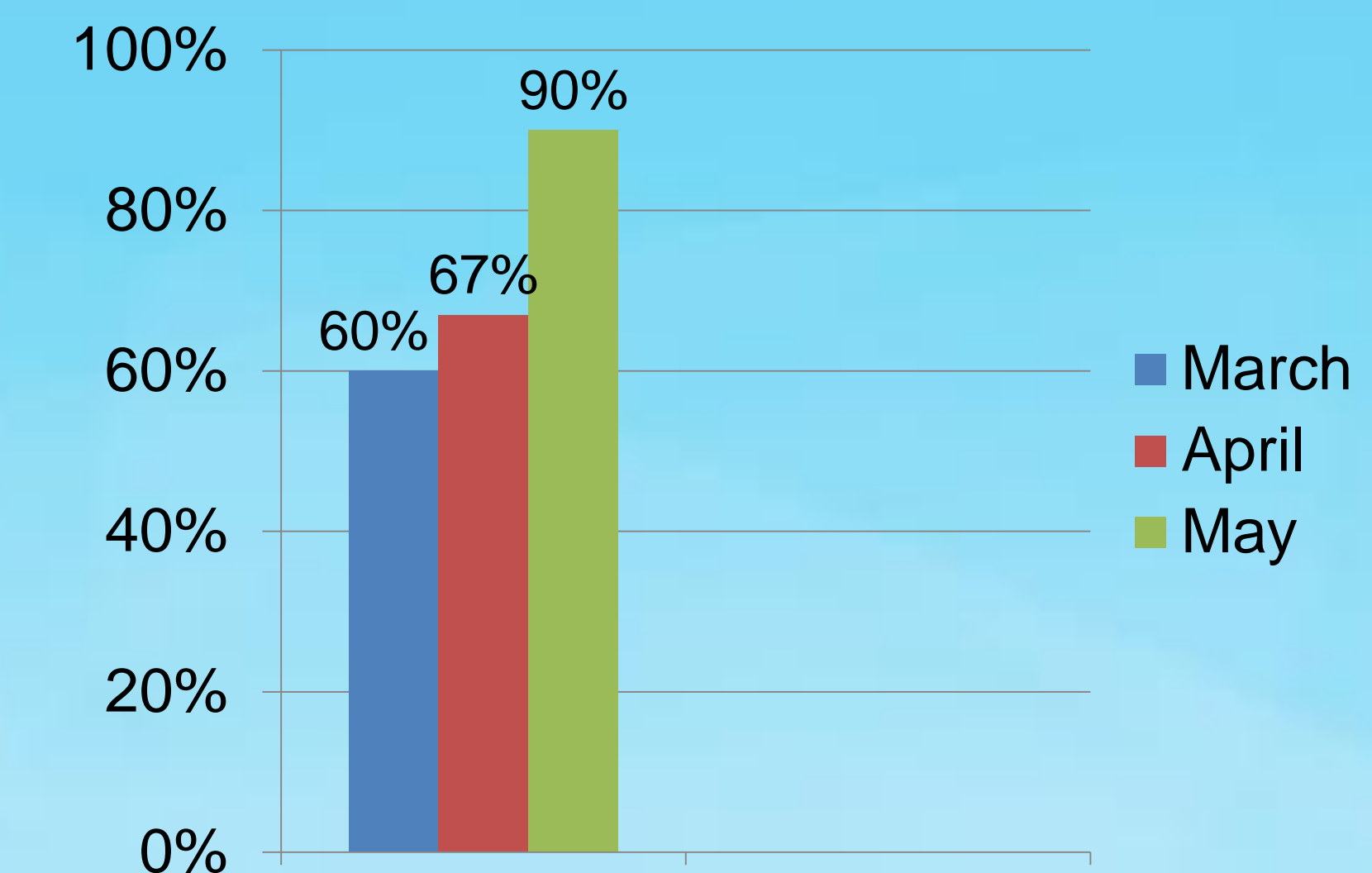
1. Gather data on nursing staff beliefs and barriers to hand hygiene compliance.
2. Select individuals in Nursing staff to be a “Hand Hygiene Champion” (HHCH) for the shift.
 1. What is a HHCH? – Observes Nursing staff entering/leaving patient rooms, provides positive reinforcement (chocolate) for compliance, and friendly coaching for noncompliance.
3. HHCH records observations and staff reactions to interventions on provided data observation chart.

Results

Hand Hygiene Observation Chart from March 20th-April 30th 2018



LVHN Secret Shopper Program - Compliance rates on 5K



- After our HHCH program finished in April, the Secret Shopper program data showed HHC increase to **90%** in May on 5K.
- These results show a positive correlation between direct observation, coaching and positive reinforcement, and improved hand hygiene compliance.

REFERENCES

- Azim, S., Juergens, C., & Mclaws, M. (2016). An average hand hygiene day for nurses and physicians: The burden is not equal. *American Journal of Infection Control*, 44(7), 777-781. doi:10.1016/j.ajic.2016.02.006
- Centers For Disease Control and Prevention, Hand Hygiene in Healthcare Settings. (2016, March 25). Retrieved from <https://www.cdc.gov/handhygiene/providers/guideline.html>
- Johnson, M., Kaehler, B., Siska, M., Lecy, B., & O’neil, M. (2011). Healing touch. *Nursing: tips for successful hand hygiene*, 41(11), 18-20. doi:10.1097/01.nurse.0000406505.99319.b0
- Larson, Elaine. “Monitoring Hand Hygiene: Meaningless, Harmful, or Helpful?” *American Journal of Infection Control*, vol. 41, no. 5, 2013, doi:10.1016/j.ajic.2012.09.029.
- Smiddy, M. P., Connell, R. O., & Creedon, S. A. (2015). Systematic qualitative literature review of health care workers compliance with hand hygiene guidelines. *American Journal of Infection Control*, 43(3), 269-274. doi:10.1016/j.ajic.2014.11.007
- Srigley, J., Corace, K., Hargadon, D., Yu, D., Macdonald, T., Fabrigar, L., & Garber, G. (2015). Applying psychological frameworks of behaviour change to improve healthcare worker hand hygiene: A systematic review. *Journal of Hospital Infection*, 91(3), 202-210. doi:10.1016/j.jhin.2015.06.019

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