

# Open the Door to Small Bore.

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## Published In/Presented At

Leinweber, C. Hoskins, C. Wyncoll, J. Fuller, R. Matyus, G. (2018, February 9). *Open the Door to Small Bore*. Poster Presented at: LVHN Vizient/AACN Nurse Residency Program Graduation, Lehigh Valley Health Network, Allentown, PA.

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# Open the Door to Small Bore

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## Background

- Aspiration
- Large bore feeding tube breakdown
  - Pulmonary complications
  - Patient satisfaction
  - Continuation of feeding
- Registered nurses getting pulled to medical surgical floors to insert a small bore feeding tube

## PICO Question

- In the ICU setting, are there common barriers in regard to SBT insertion, related to RN training, education and validation?
- P- Critical Care Nurses
- I-Survey RNs in ICUs to determine nurse specific barriers related to insertion of small bore feeding tubes
- C- Minimal to no nurse insertion at the bedside
- O- Identify nursing barriers to insertion and utilization of SBT vs. larger NGT

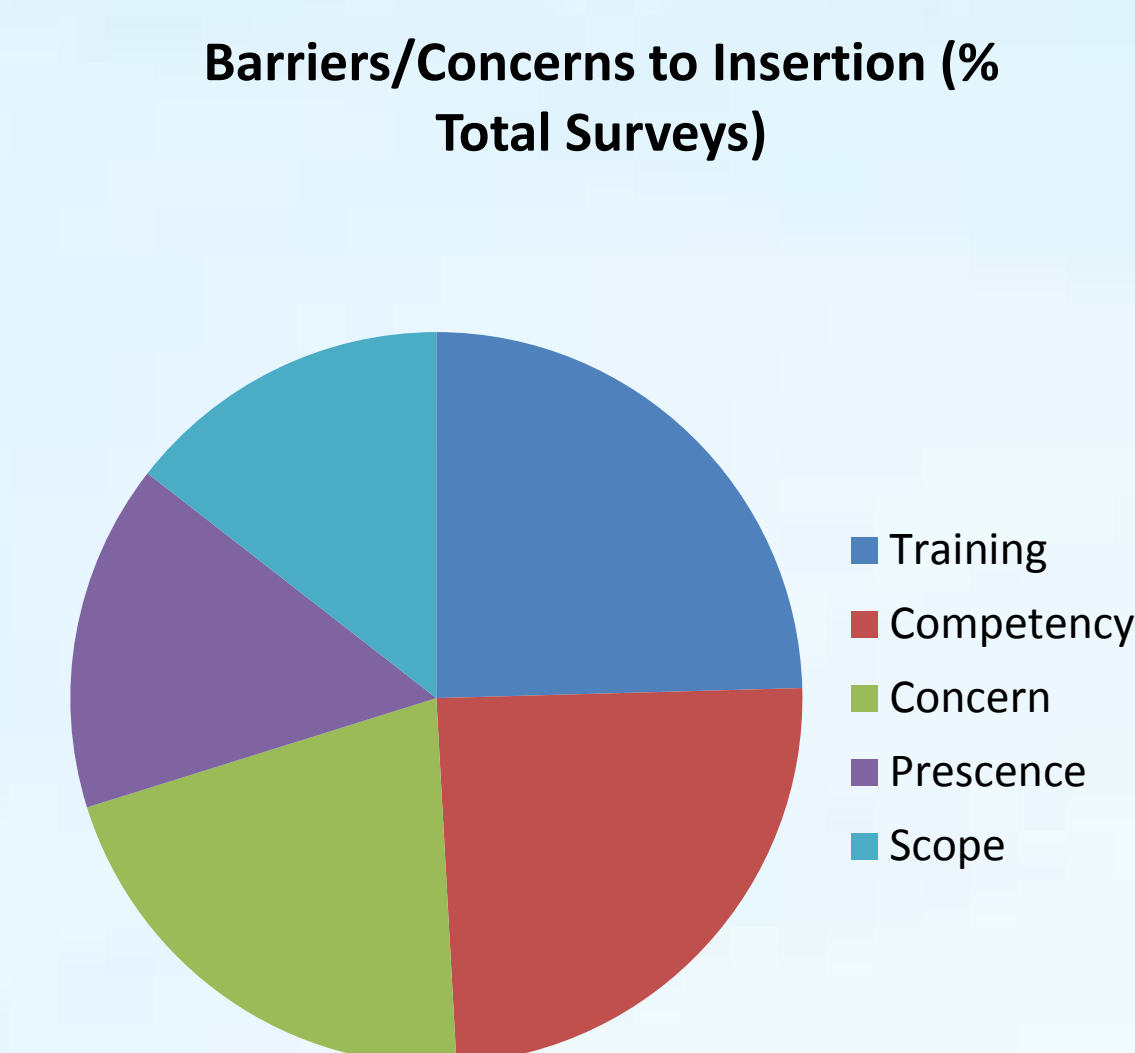
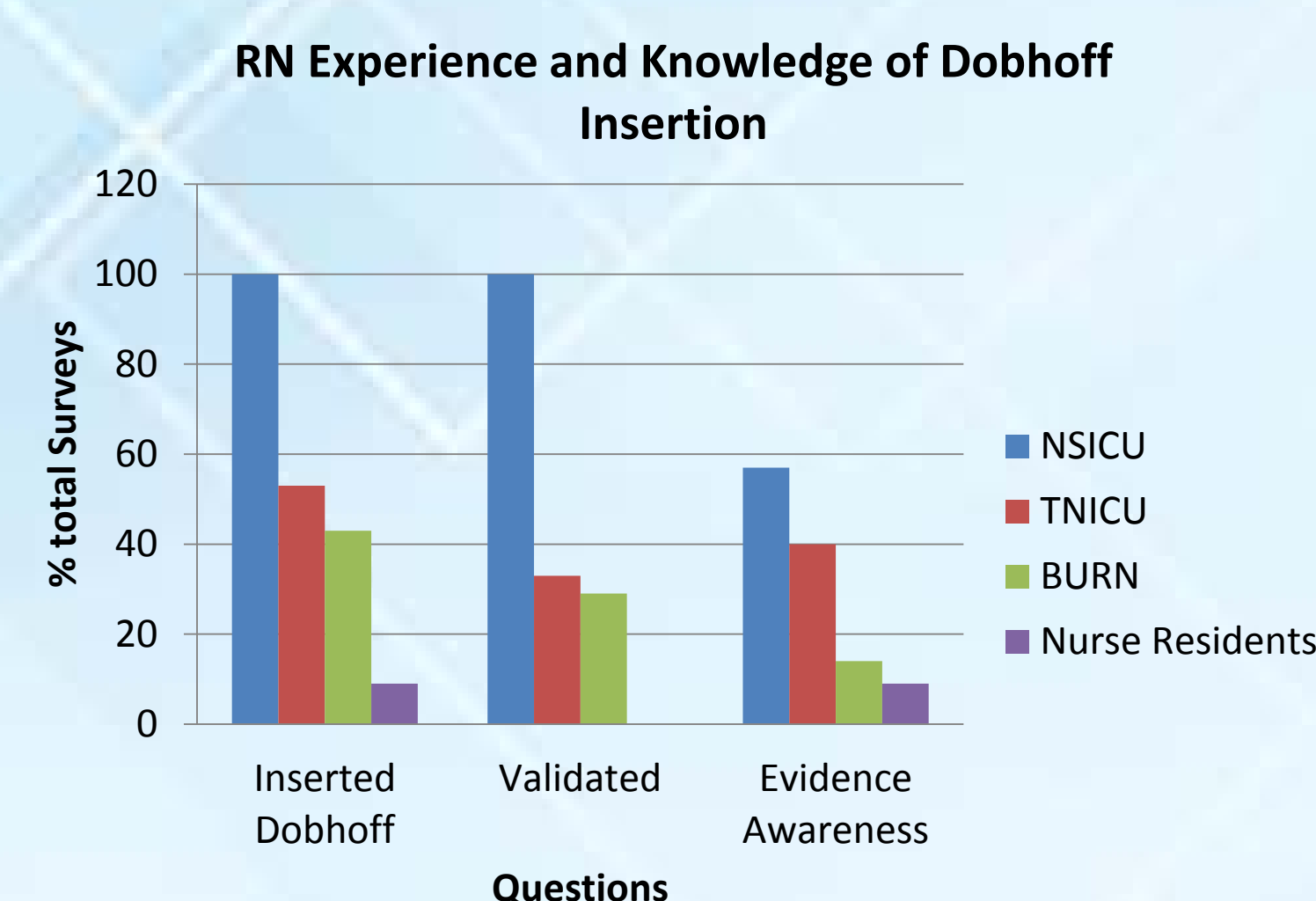
## Methods

- Generate survey to assess RN attitudes and knowledge of SBT vs NGT insertion
- Gather EPIC reports to track number of SBT utilized within the last 6 months
- Collect survey data from NSICU, Burn Unit and TNICU

## Evidence

- KUB is worth the cost because it is more accurate than other placement validation methods (Metheny, Stewart & Mills, 2012).
  - Risk for pressure injuries is considerably decreased when utilizing a SBT compared to a larger NGT (Cooper, Jones & Currie, 2015).
- Risk for aspiration is decreased when using a SBT vs. a larger NGT, and chances of post-pyloric placement are greater in SBT usage (Metheny, 2016).
- Consistent training and validation of RNs has shown to be effective in successful, safe and optimal placement of SBTs (Bryant, Phang & Abrams, 2015).

## Results



## Outcomes

- NSICU competency, validation and instances of placement are higher than any other unit
  - The unit has a higher par and usage of small bore tubes
- Units with lower responses of competency and comfort levels inserting also have a lower par and lower usage of small bore tubes
- Lack of frequency of insertion and lack of training were higher among TNICU, Burn unit, and nurse resident responses
  - Lack of education and lack of training are common barriers to SBT insertion

## Next Steps

- Development of TLC education
- Implementation of Education Day to address SBT insertion and validation
  - Registered nurse protocol
  - Network wide implementations

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