Patient Care Services / Nursing

STAFF's PERCEPTION OF THE MOST EFFECTIVE METHODS TO LEARN NEW INFORMATION.

Juliette Blanchard BSN, RN
Lehigh Valley Health Network, Juliette_F.Blanchard@lvhn.org

Juliana Eichenberg BSN, RN
Lehigh Valley Health Network, Juliana.Eichenberg@lvhn.org

Michael Fang BSN, RN
Lehigh Valley Health Network, Michael_P.Fang@lvhn.org

Gelissa Lombard BSN, RN
Lehigh Valley Health Network, Gelissa.Lombard@lvhn.org

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Juliette Blanchard, BSN,RN, Juliana Eichenberg, BSN,RN, Michael Fang, BSN,RN and Gelissa Lombard, BSN,RN

Lehigh Valley Health Network, Allentown, Pennsylvania

BACKGROUND/PURPOSE

- An integral component of Evidence Based Practice is the translation of new knowledge into practice
- The question then becomes what is the best method to share new knowledge in a manner that facilitates learning
- E-learning is the most frequently used method for the initial communication of new knowledge What other methods, if any, are necessary?
- Project Purpose: To identify the method of education that would match what nurses perceive to be most beneficial for learning new topics.

PICO QUESTION

PICO Question:
  P- In a 32 bed medical-surgical intensive care unit
  I-will a survey of learning styles of both licensed and non-licensed staff
  C- Compared to current practice
  O-Help to identify this unit's preferred method of learning

TEACHING STRATEGIES

- **E-learning:** Learning conducted via electronic media, typically on the Internet (Oxford, 2017).
- -Example: TLC or Video
- **Demonstration/ Hands-on:** refers to a wide variety of potential educational projects, presentations, or products (The Glossary of Education Reform, 2016).
- -Example: Classes, ED days, Simulation
- **Written:** individuals with a strong reading/writing preference learn best through words (Teach, 2017).
- -Example- EBP Articles, newsletters,

EVIDENCE

- One meta-analysis/systematic review of 11 RCT's found no significant difference in learning between e-learning and traditional learning.
- Selcuk (2011) found that age and work experience did not significantly impact the electronic learning experience.
- Kyndt et al (2016) identified opportunities for feedback and cooperation as improving learning outcomes.
- Mayes (2010) specifically addressed the night shift staff and found the following:
  - Registered nurses who work at night are motivated learners who desire educational opportunities appropriate to their learning needs
  - Registered nurses who work at night learn best when a variety of interactive teaching-learning strategies are used
  - Registered nurses who work at night learn better before the fatigue factor or Circadian cycle dip occurs

METHOD

- All staff, RN, TP, and AP were given a written survey regarding learning experiences in regards to the current electronic learning system
- A total of 40 responded which is a 35% response
- Questions included demographics such as job title, shift of hire and years of experience
- Additional questions were directed towards when the assignments were completed, any issues with the system itself and if any staff used the current system for independent learning
- Questions identified learning methods and staff were asked to identify which method or methods they felt enabled successful learning.

SURVEY QUESTION
YEARS OF EXPERIENCE/LEARNING STYLE
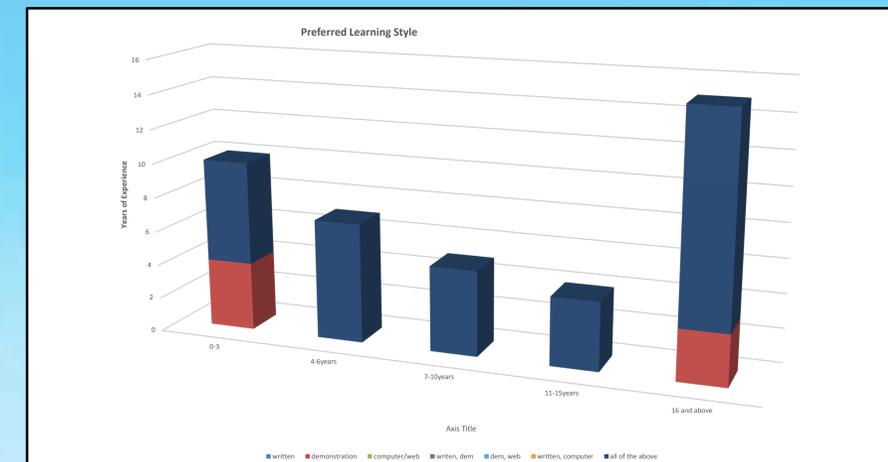
CONCLUSIONS

- All age-group demographics identified the need for the use of multiple teaching strategies to successfully learn new knowledge.
- Some within the least years of experience group and some within the most identified demonstration as the most successful teaching strategy

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