

# The Evolution of "Power-Week" During New Critical Care Nurse's Orientation

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## Background

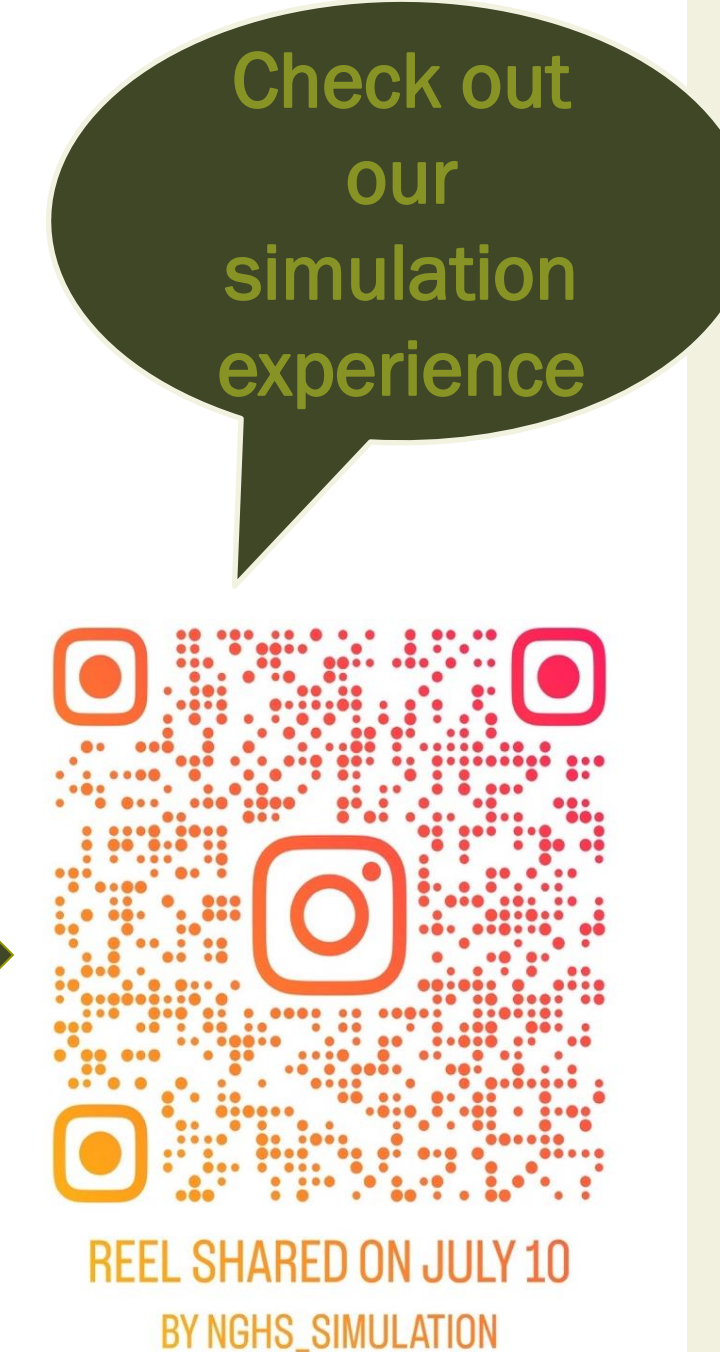
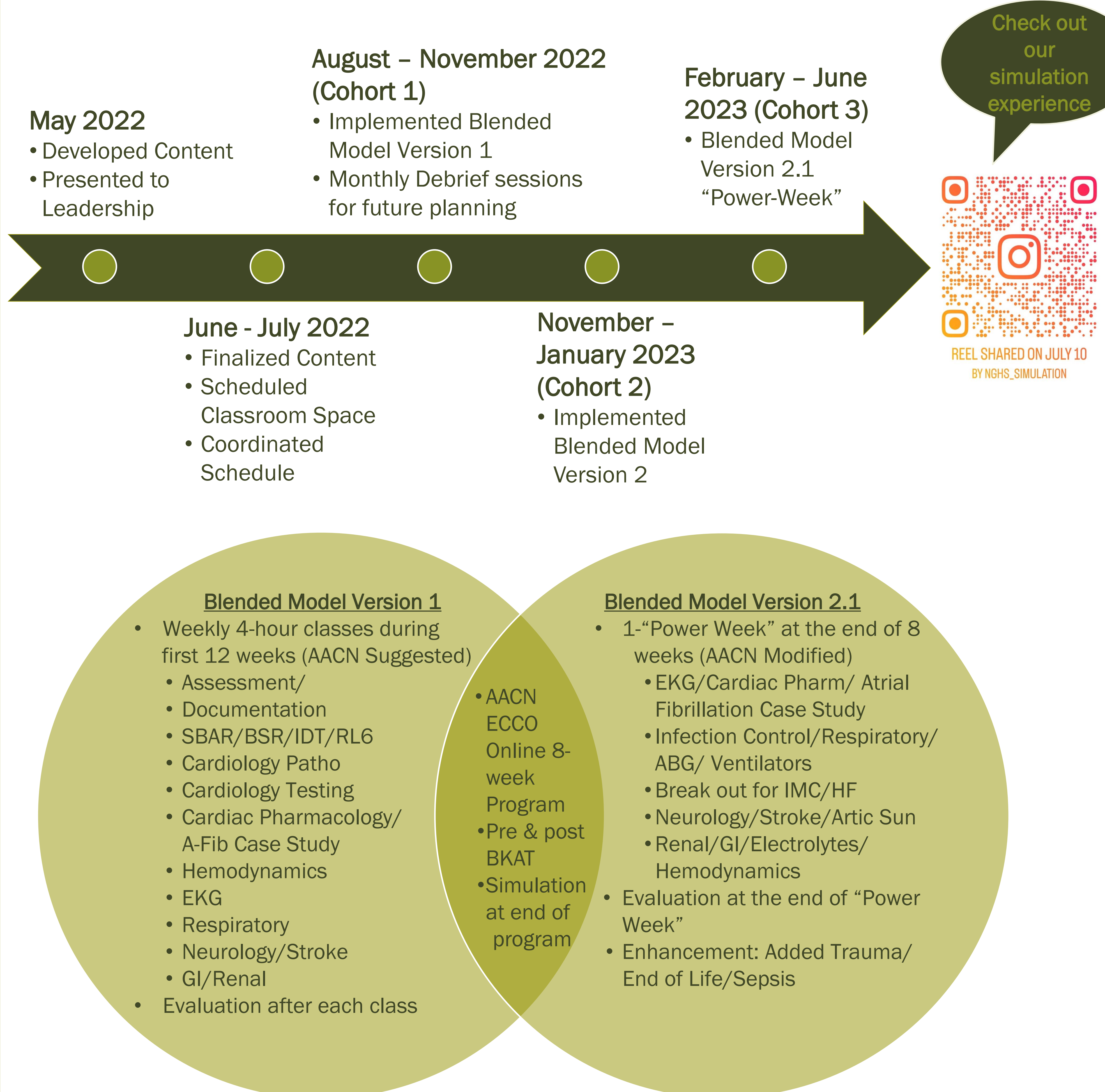
- Our organization requires all new critical care nurses to participate in AACN's ECCO online module program.
  - 75.45 Hours of Learning
  - 18 modules (3-7 assignments each)
- All new critical care nurses must also complete APEX Innovations EKG Basics and Advanced
  - 18.5 Hours of Learning
  - 5 Modules
- With the sole utilization of the online program, deficits were identified:
  - Lack of preparedness
  - Lack of knowledge
- Learning theories from experts such as Kolb and Knowles, guided the creation of "Power-Week"
  - Adult learners absorb information best through hands-on experiences, group interactions, and knowing the reasoning behind the information (Gaberson et al., 2018).

**The purpose of this project was to implement AACNs blended model, evolve the model to fit our organization, and evaluate how this process changed the knowledge and preparedness of these nurses, now known as "Power-Week".**

## References

- American Association of Critical-Care Nurses. (2020). Essentials of critical care orientation (ECCO) implementation guide [PDF]. AACN. <https://www.aacn.org/~media/aacn-website/education/online-courses/ecco/ecco-implementation-guide.pdf>
- Fewster-Thuente, L., & Batteson, T. J. (2018). Kolb's experiential learning theory as a theoretical underpinning for interprofessional education. *Journal of Allied Health, 47*(1).
- Gaberson, K. B., Oermann, M. H., & Shellenbarger, T. (2018). *Clinical teaching strategies in nursing* (5th ed.). Springer Publishing Company.
- Haley, B., & Palmer, J. (2020). Escape tasks: An innovative approach in nursing education. *Journal of Nursing Education, 59*(11), 655–657. <https://doi.org/10.3928/01484834-20201020-11>
- Morris, T. (2018). Adaptivity through self-directed learning to meet the challenges of our ever-changing world. *Adult Learning, 30*(2), 56–66. <https://doi.org/10.1177/1045159518814486>
- Reed, J. M. (2020). Gaming in nursing education: Recent trends and future paths. *Journal of Nursing Education, 59*(7), 375–381. <https://doi.org/10.3928/01484834-20200617-04>
- Williams, C. A. (2019). Nurse educators meet your new students: Generation Z. *Nurse Educator, 44*(2), 59–60. <https://doi.org/10.1097/nne.0000000000000637>

## Methods



### Intervention

Education and activities were created to reinforce the online modules and engage the learners including lectures, hands-on equipment review, games, and simulation.

Cohort 1 – 35 Nurses	Cohort 2 – 9 Nurses	Cohort 3 – 23 Nurses
New Grad – 24	New Grad – 6	New Grad – 19
New to CC – 11	New to CC – 3	New to CC – 4

### Instruments and Data Collection

- Basic Knowledge Assessment Tool (BKAT)
- Microsoft Forms
- Microsoft PowerPoint
- Nursing Preceptorship Learning Assessment Tool

### Participants

Each cohort consisted of both New Graduate and New Critical Care Nurses. There were 3 cohorts that participated in the program from August 2022 – June 2023. Each Cohort participated in a different, more advanced, version. Total number of nurses was 67.

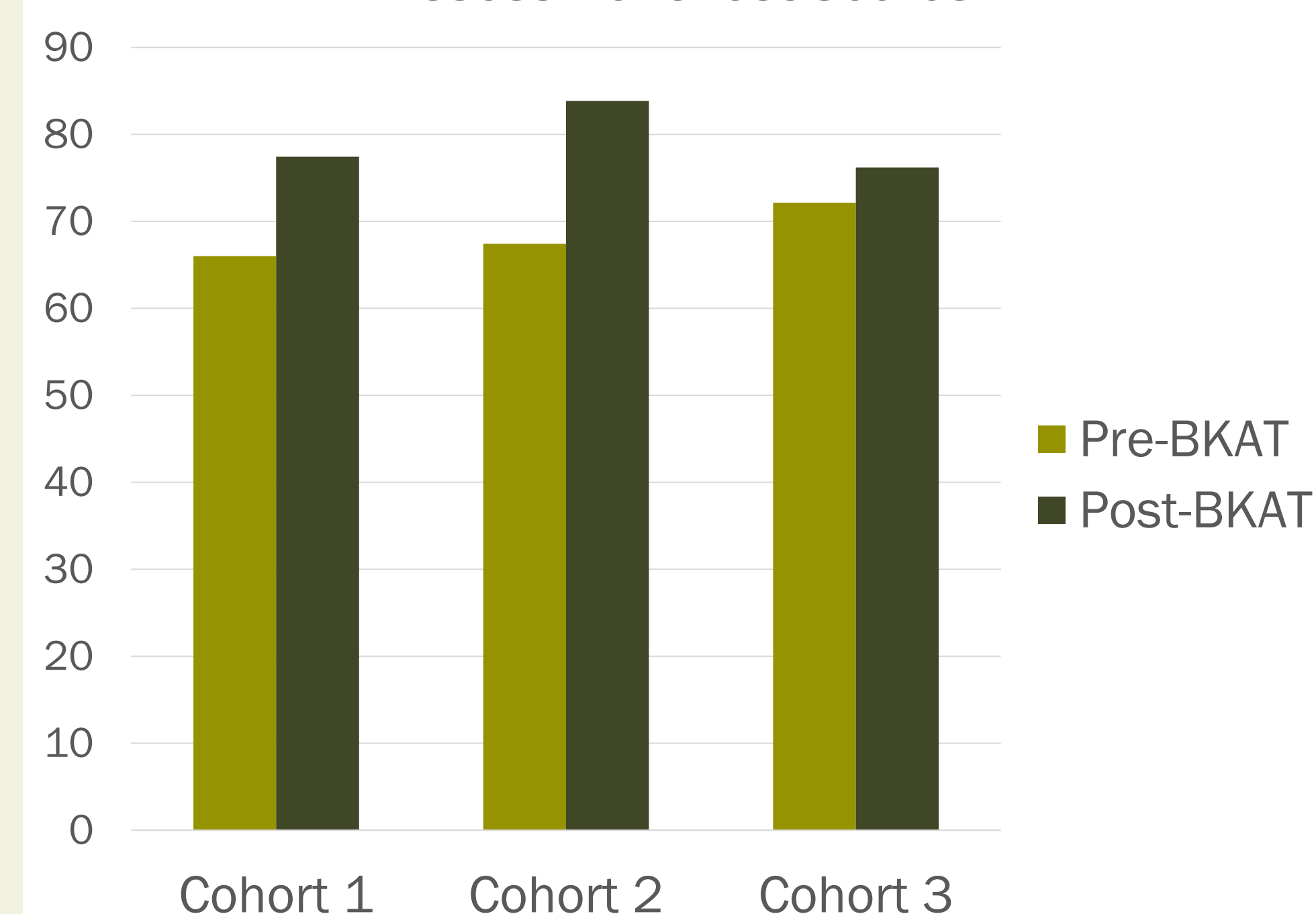
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- Travis Weast BSN, RN, CCRN – ECMO Educator
- Maria Conner BSN, RN, CCRN – Nurse Educator
- Amanda Russel BSN, RN, PCCN – Nurse Educator
- Mary Bess MSN, RN, CCRN – Nurse Educator
- NGHS Simulation Team
- Aprill Exley - Infection Prevention
- Jessica Mantooth - Trauma Educator
- Lauren Green - Neuroscience Systems Educator
- Trixy Paloger - Sepsis Navigator
- Belle Fobare – Respiratory Therapy
- Project Participants

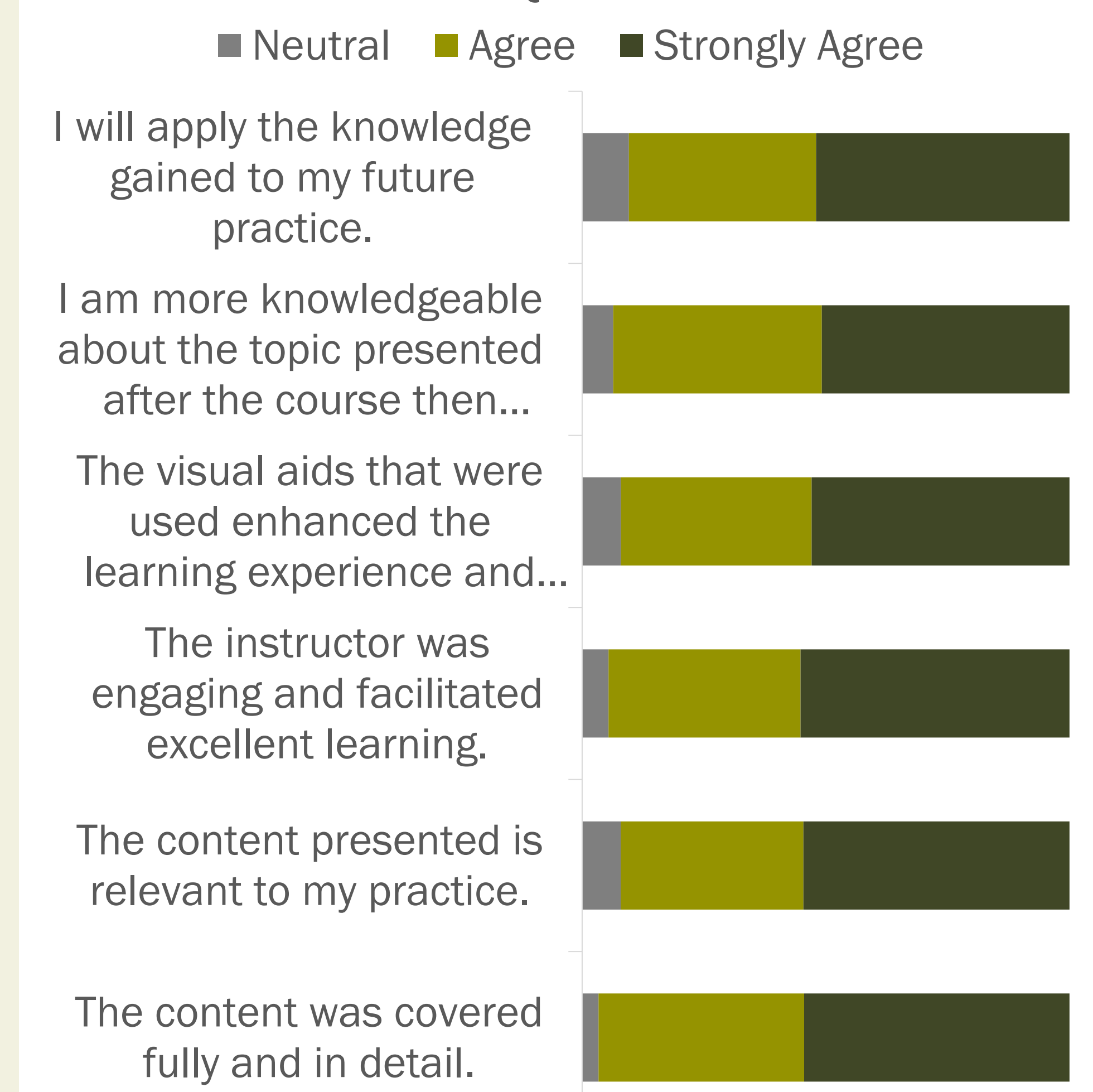
## Results

- The Basic Knowledge Assessment Tool (BKAT) was administered during the first week of orientation to assess baseline knowledge.
- The BKAT was, again, administered upon completion of the 12-week blended model to gather post-intervention data.
- In addition to this assessment, objective data was obtained after every lesson using anonymous surveys to assess the perception of the learner's preparedness.

Pre and Post Basic Knowledge Assessment Test Scores



Likert Scale Quantitative Data



## Conclusion

### Limitations

- Evolving curriculum throughout the three different cohorts
- Lack of outcome data prior to the initiation of the blended model

### Implications for Nursing Practice

- The nurse educators recommend future evaluations of "Power-Week" to ensure evolving learning needs are met for all age groups and learning styles.
- Implement all identified opportunities based on evaluations and participant feedback.