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Title of Abstract: **CEAL High School Open House Cardiovascular Simulation and Anatomy Training Experience**

Problem/Needs Assessment: The Center for Experiential and Applied Learning (CEAL) began July 1, 2017 after the merger of the Center for Applied Learning [CAL; hospital) and the Wake Forest Center for Experiential Learning (WCEL; medical school). Pipeline K-12 education was part of the historical portfolio with local schools sending ad hoc requests to Center team members to arrange events.

Program Objectives: In order continue this community service while better aligning with the current CEAL mission, an open house model of providing specified dates to K-12 schools for participation was piloted. Three schools participated in the April 30, 2018 pilot including North Forsyth (NF) High School, the Career Center (CC), and KIPP Pride High School (Roanoke Rapids, NC).

Description of Program: All students participated in a cardiovascular resuscitation simulation using a high fidelity manikin. Due to the distance traveled by KIPP, this school group participated in an additional anatomy training session that included a review of the heart and lung anatomical structures.

Evaluation/Assessment: 150 students (51 NF; 27 CC; 72 KIPP) completed end-of-training evaluations. Descriptive statistics were completed on the entire sample and an ANOVA was completed to compare the three schools. On a five-point Likert scale, the following results were determined for all learners for the four quantitative questions asked: the learning event was effectively organized (4.68 ± 0.53); the concepts were presented clearly (4.73 ± 0.51); the event exposed me to new knowledge and skills used in healthcare (4.72 ± 0.72); the instruction and hands on practice was a good level for me (4.76 ± 0.61). There was no statistically significant difference among the three schools for the four questions respectively ($p=0.32$; $p=0.09$; $p=0.09$; $p=0.25$). 62% of students indicated that the hands-on aspect of the training was what they liked best.

Conclusions and Lessons Learned: The CEAL open house pilot was a success with high evaluations received. Debrief post event and the assistance of an instructional designer will make these changes to the next open house: a pre-learn, a more detailed patient case, the addition of ultrasound, and the ability of each school to receive a slightly customized experience. The second open house model will be held in January/February, 2019.