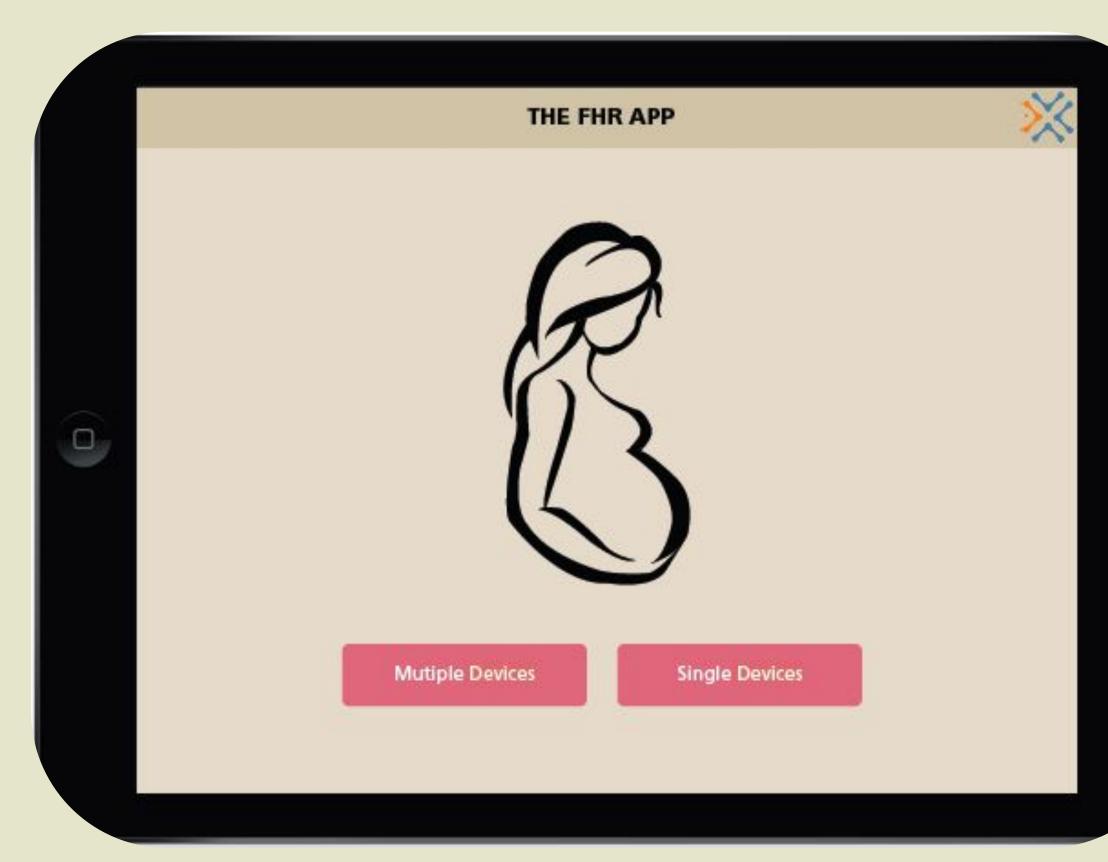
Exploring Nursing Students' Perceptions of Electronic Fetal Monitoring App Rachael Wyatt, Isaac Moore, Michelle Miller, Valerie White, & Callie Heitzman

Background

A growing number of electronic applications are intended to assist with education of health care professionals. Previously, nursing curriculum has taught electronic fetal monitoring (EFM) through the use of paper fetal heart rate (FHR) strips. New nurses struggle to read real-time FHR monitors & respond appropriately. A team from the UTK HITS lab has developed a new application to assist with the teaching of EFM in simulation. Before this new application can be incorporated into obstetric curriculum, data regarding its use needs to be collected, specifically nursing student perceptions.

Purpose

The purpose of this qualitative descriptive study is to explore nursing students' learning experiences, attitudes, perceptions, and opinions regarding a fluid, dynamic, instructormanipulated EFM application developed at the University of Tennessee, Knoxville HITS Lab.





Mathada

			methods
Э	•	Design. Sample	: Qualitative descriptive
•		•	Undergraduate & graduate at UTK exposed to hand
		•	
		•	
n		0.44	field
	•	Setting	
		•	The UTK College of Nur 2 consecutive semesters
		•	A comfortable room with
			windows, easy access to and minimal distractions
		Instrum	
		•	Focus Groups: 6-8 partic
			groups total
/		•	Interviews: 10 interviews
		•	First researcher question
			takes field notes and con
		Data C	video recordings
	•	Data Co	
		•	Students participate in for interviews in the same s
			exposed to the EFM app
		•	Collect informed consen
			focus groups & interview
		•	First Semester: at least 2
			interviews
		•	Second Semester: at lea
			and 5 interviews
			Collect audio &/or video
	•		's Plan: Data collection & c
		analysis	s occur concurrently

ate nursing students Is-on lab simulation sure to the EFM

uate nursing students of experience in the

rsing over the span of

seating for 10-15, p restroom facilities,

cipants per group, 5

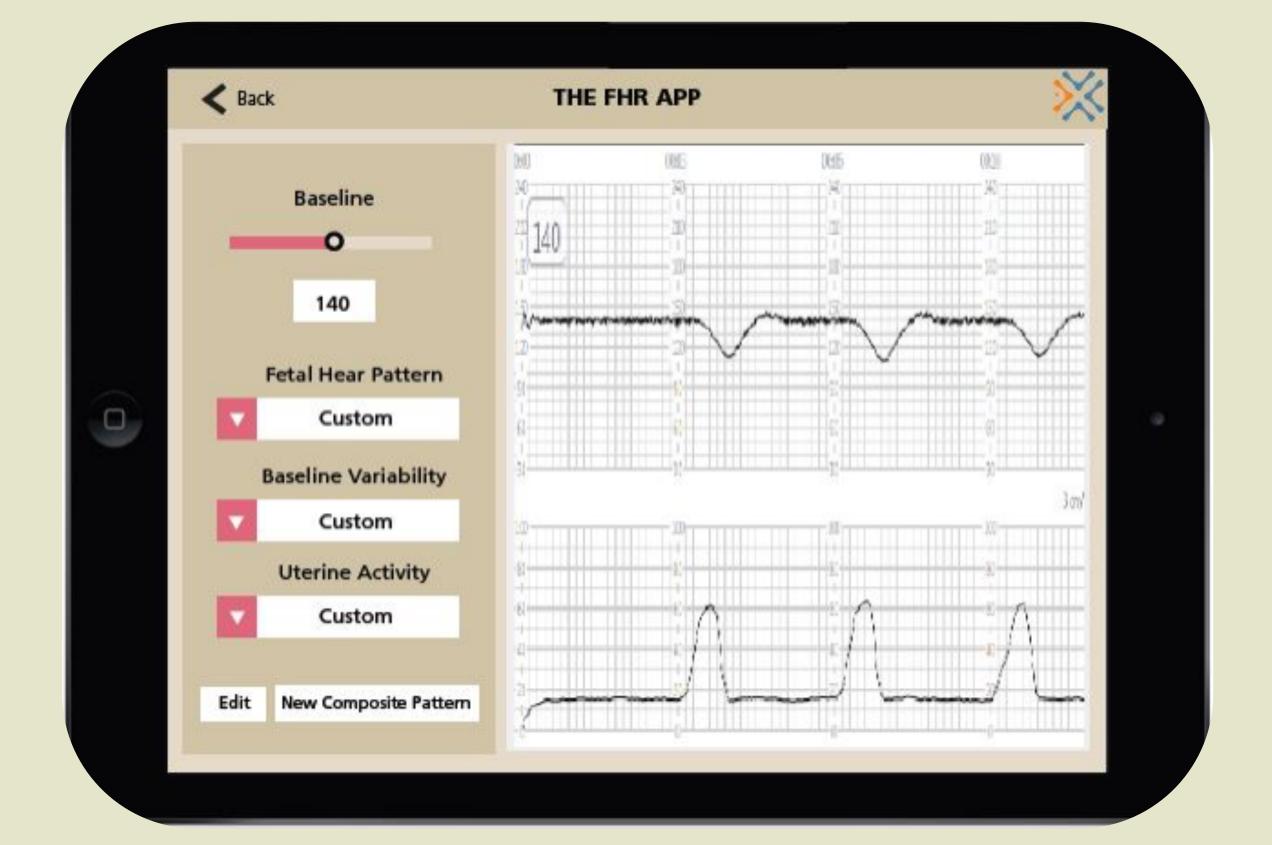
s total ns, second researcher ntrols audio &/or

ocus groups or semester they were nts at the beginning of

2 focus groups and 5

ast 3 focus groups

recordings qualitative content



Summary



COLLEGE OF NURSING

Discussion

Contribution to Evidence Based Practice • Presented is a qualitative study that paves the way for further research regarding UTK's newly developed application. This theoretical research serves as a pilot study for a larger spectrum of applied research, which will analyze the effectiveness of the application in nursing curriculum, while also studying the learning experience gained while using the app. The future use of this app will increase nursing self-efficacy, & positively effect patient outcomes.

Since the knowledge base surrounding the new electronic fetal monitoring (EFM) app is minimal, student perceptions regarding the utility and usability of the application in nursing curriculum is critical. Themes that emerge from this pilot study will be analyzed and incorporated into further EFM simulations in nursing curriculum.