

AR Pediatric Code Cart Focus Group Guide

- Introducing the roles
 - o Content expert – Clinicians
 - o Note taker - RAs
 - o Facilitator – Dr. Wooldridge
 - o Participants
- Explain ground rules, allow participant to add more points.
- Explain the objective of the study.

“We are working to evaluate the impact of Code Cart Augmented Reality application on how the healthcare system carries out orientation and training related to the weight-based pediatric code cart. Through this focus group discussion, we want to understand your experience as (insert role) in using the Code Cart Augmented Reality application. Before we start our discussion, we will go over the SEIPS model of patient safety. This model is the guiding principles to help us identify the work system barriers and facilitators in your role as a (insert role), related to the use of the Augmented Reality application. as a tool to orient learners to the weight-based pediatric code cart.”

- Overview of SEIPS model of patient safety
- Overview of Code Cart AR apps
- Begin asking focus group questions to Identify anticipated barriers and facilitators to the use of the Code Cart AR mobile application as a tool to orient learners to the weight-based pediatric code cart.

- 1) How did the you receive training on the weight-based pediatric code cart? (Probe around each work system element if not mentioned to describe current orientation/training experience, considering work system model)
 - What worked particularly well in that experience?
 - What did not work well?
 - How could it have been improved?

- 2) How could the use of the Code Cart AR mobile application as a tool to orient learners to the weight-based pediatric code cart change that experience? (Probe around each work system element if not mentioned to describe anticipated orientation/training experience, considering work system model)
 - In what ways could the mobile application make it better?
 - In what ways could the mobile application make it worse or harder?
 - How could the mobile application be changed to have a more positive impact?
 - What, if any, other consequences could this application have?
 - What did you think about the images of each item?
 - What other tools or ways do you have to get familiar with the code cart other than the app?

- 3) Think about your experience with the Code Cart AR mobile application. How could the app be used to orient learners to the weight-based pediatric code cart?
- How do you think is the best way to incorporate it?
 - Why?

Examples of work system elements:

- Person: physician, nurse, individual (self or other person/roles)
- Task: timed search, scenarios in app, finding item on card in real life, etc.
- Tools & technologies: AR mobile app, paper list, etc.
- Organization: standard operating procedures related to training, organizational culture
- Physical environment: where mobile app is used (outside, in hallway, breakroom, auditorium, etc.), patient room, etc.

- Ending the study
 - Thank the participant for their time.
 - Offer contact information for follow up
 - Describe data analysis process and timeline for memberchecking