Simulation for High Stakes Assessment

Phases
1. Think tank (use of simulation for high stakes assessment)
2. Development of scenarios
3. Feasibility, inter- & intrarater reliability, develop standardized training method


Simulation for High Stakes Assessment cont

- Selected 10 raters in SONs in US (ADN, BSN) + 1 expert from earlier phase of study
- Trained on tool, process, expected essential behaviors to observe
- Scored 6 videos for training, discussed ratings as a group
- Over 8 weeks raters were sent 6-8 videos weekly for scoring
- In face-to-face meeting (2 ½ days) rescored 28 videos

Examined inter- and intrarater agreement
- 2 raters’ scores varied widely from others
- Kappa for interrater agreement:
  - .46 (28 videos, 11 raters)
  - .65 (26 videos, 9 raters)
- Kappa for intrarater agreement:
  - .63 (28 videos, 11 raters)
  - .71 (26 videos, 9 raters)

High stakes assessment is difficult to do
- Time and effort to develop and validate scenario, develop valid and reliable tools, train raters...

Some faculty may not be good at this

Using Simulation for Clinical Evaluation: Process

1. List objectives or knowledge and skills to be evaluated with a simulation
   - Indicate if end of program or end of course
2. Write a short scenario
3. Develop an assessment form (to evaluate if students met objectives, have knowledge and skills)
4. Answer questions on validity
5. How will you ensure reliability?
6. How will you train your faculty/evaluators?