

Labor & Delivery Quality of Care Short Observational Index

Session 7: Inter-rater Reliability (IRR) Exercise

Session objectives

- Discuss the role of inter-rater reliability in standardizing observation skills
- Participants use Short L&D Index to score a demonstration L&D scenario and compare their scores to a “gold standard” observer

Clinical observation is complex

- Capturing clinical practice using observation = **challenging** and **imperfect**
 - Subject to **individual interpretation**
- Deliveries particularly challenging:
 - Complex care with many elements
 - Long duration
 - Can become emergency situation

Standardizing observation skills

- Part of this orientation's aim is to **standardize** your clinical observation skills with your colleagues
- To do this, we measure **inter-rater reliability (IRR)** between observers
 - **IRR** is the extent to which two or more observers agree
 - Important for consist and reliable measurement
- Some variation between observers' scores might always exist, but this exercise will help us try to minimize it

Goal for agreement between observers

- Observers should achieve at least 80% agreement - i.e., 8 times out of 10 they agree on their score for the action observed
- Our goal for this exercise is 90% agreement = 9 times out of 10, observers indicate the correct score (agree) on the step
- In this exercise, we will examine agreement with the gold standard observer

Quiz!!!!

- Fill in the blank:

1) Inter-rater reliability measures help us look at the level of _____ between different observers

2) Without inter-rater reliability measures, it is difficult for us to know the _____ of our findings

Inter-rater reliability exercise

Conduct inter-rater reliability exercise

