INTER RATER AND INTRA RATER RELIABILITY

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OBJECTIVES

- Understand the definition of inter and intra rater reliability
- Understand the importance of inter and intra rater reliability
- List how to achieve higher inter-rater reliability
- List how to perform objective evaluations
- Determine how to evaluate inter rater reliability
WHAT IS AN EVALUATOR?

Responsible for evaluation of skills

Provide skills proficiency verification

- Individual skills evaluations in initial MFR/EMT courses
- End of course evaluations in initial MFR/EMT courses
- Evaluations as needed for traditional CME recertifications

Certified or licensed in skills
WHAT IS AN EVALUATOR?

- FAIR, RELIABLE, OBJECTIVE
- PRACTICAL SKILLS
- EVALUATIONS
- CAREFULLY SELECTED BASED ON EXPERTISE
- COMPETENT IN PERFORMANCE AND EVALUATION TECHNIQUES
CERTIFIED EVALUATOR

- Certified Evaluator (required in many states)
- Not a requirement in MI
CHARACTERISTICS OF SKILL EVALUATORS

- Know and watch for critical errors
- Accept that there is more than one way to complete a task correctly
- Keep it positive
- Fair and impartial
- Objective
- Consistent and reliable from one evaluation to the next
- Honesty
- Avoid labeling students (remove any bias)
- Work professionally and seeks self-improvement
RESEARCH REVIEW

01 Subjective
02 Potentially unreliable
03 Score variation
04 Not enough observational consistency
05 Low levels of evaluator agreement
INTER RATER RELIABILITY
The extent to which 2 or more individuals agree
ACHIEVING INTER RATE RELIABILITY

- Use of standardized forms
- Extensive training
- Monitoring IRR
- Standardized patients/scenarios
USE OF STANDARDIZED FORMS

- Psychomotor skill sheets
- Standardized
- Reduces subjectivity
- Reflects years of experience, research, and data

https://nremt.org/
EVALUATOR TRAINING

- Understanding the expectations
- Understanding and applying the rubric
- Rating the observation
- Assessment of the evaluator competency

https://www.talentlms.com
Monitor often

Look for trends

Intervene early

STANDARDIZED PATIENTS/SCENARIOS

- EMS related personnel
- > 16 years of age
- Average adult height/weight
- Thoroughly scripted scenarios
- Written in advance

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INTRA RATER RELIABILITY
INTRA RATER RELIABILITY

The extent to which a single individual produces the same result.
CONTACT ME

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QUESTIONS?