Maintaining Accuracy during Poster Quality Scoring

Michael J. Peeters, PharmD, MEd, PhD (University of Toledo) Michael J. Gonyeau, PharmD, MEd (Northeastern University)

BACKGROUND

- Research poster presentations are a mainstay at academic conferences; though quality of posters varies¹
- A literature search uncovered 12 rubrics²

OBJECTIVE

 We compared two notable analytic rubrics (AR1³, AR2⁴) to a newer mixed-approach rubric¹ (MAR).

METHODS



- ABSOLUTE AGREEMENT similar for all rubrics; though CONSISTENCY higher for AR1 & AR2
- From Rasch, AR1 & AR2 has misfunctioning items, while MAR functioned well
- Comparison favored MAR & AR2 over AR1
- MAR was MUCH quicker to score than AR1 or AR2

This mixed-approach rubric had GOOD accuracy & reliability to **separate** posters into better/worse quality and took MUCH LESS time to complete





Northeastern University Bouvé College of Health Sciences School of Pharmacy and Pharmaceutical Sciences

CLASSICAL IntraClass Correlation	AR1	AR2	MAR
Agreement	.35	.37	.35
Consistency	.57	.57	.36

MODERN Rasch <i>Measurement</i>	AR1	AR2	MAR
Reliability	.56	.72	.71
Separation	1.8	2.5	2.4

See QR-code for Rating Scales & Wright Maps

TIME to score	AR1	AR2	MAR
	4-5min		1-2min

REFERENCES

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