

THE IMPACT OF SYSTEMATIC RATER TRAINING ON INTER-RATER RELIABILITY

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BACKGROUND

- The NIHR Oxford Health Clinical Research Facility (OHCRF) is the only NIHR-funded mental health (MH) CRF in the UK
- Specialized nature of MH rating scales administered → Training is often limited to raters with previous experience
- Good inter-rater reliability (IRR) is essential in eligibility criteria and trial outcomes
- The NIHR-funded PETRUSHKA study (Personalising antidEpressant TReatment for Unipolar depreSsion combining individual cHoices, risKs, and big dAta) (Tomlinson et al., 2020; Ostinelli et al., 2025) → Involved raters from a range of backgrounds with limited experience of MH scales
- OHCRF therefore developed and piloted a systematic rater training programme

METHODS

- Hamilton-Depression Rating Scale (HAM-D) and Hamilton-Anxiety rating scale (HAM-A)
- Simulated interview videos created with an expert rater
- Consultant psychiatrist-led training + bespoke video
- Trainees submitted independent scores of the simulated interview
- IRR was calculated with intraclass correlation coefficient (ICC) using Microsoft Excel
- 2 independent consultant psychiatrists provided 'gold-standard' ratings for comparison



Training Video



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Feedback from attendees:

"I felt comfortable to participate and ask questions." "The trainer
was very
knowledgeable
and the
training was
thorough."

"Training provided us with example questions to ask participants for all questions."

RESULTS

- 8 raters submitted the scores of both scales
- 1 rater was excluded omitted items
- ICC: 0.75; IRR: 0.74
- More variability were shown in some subscores compared to gold-standard scores
- Top-up training



CONCLUSION

- The IRR obtained across both scales demonstrated how the combination of one training session and bespoke videos, the focused top-up training with expert input facilitated efficient rater training for different backgrounds (Cicchetti, 1994)
- OHCRF now has expanded the rater training by offering a series of training activities for the sites
 across Mental Health Mission network

References:

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