

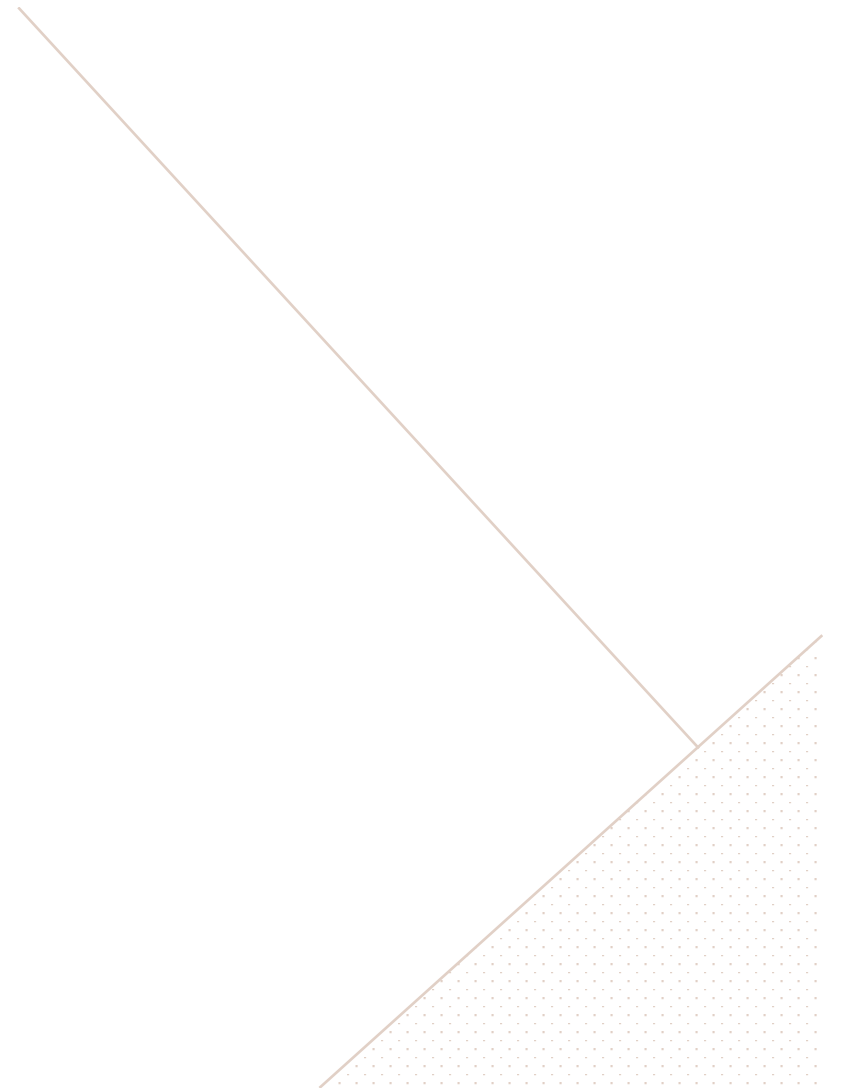
UNIVERSITY of TASMANIA



Institute for Medical Research

Data Visualisation and Patient-Reported Outcomes (PROs)

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Importance of PRO Data



Key Challenges: PRO Data Itself

Rich and Complex Data

- Multi-dimensional questionnaires

Different Ways to Capture Information¹

- Yes/No questions
- Likert-type scales: response options + descriptors
- Numeric rating scales: descriptors at end only

Different Ways Data Have Been or Can Be Analysed

- Mean scores
- Achievement of clinically meaningful threshold
- Time to event

1. Cappelleri et al, *Patient-Reported Outcomes: Measurement, Implementation and Interpretation*. Boca Raton, FL: CRC Press. 2009

Key Challenges: Lack of Standardisation

Data visualisation can help with interpretation

Many ways to visualise PRO data

Need for standardisation: adopt recommendations

- Heterogeneity
- Interpretability of different approaches for stakeholders

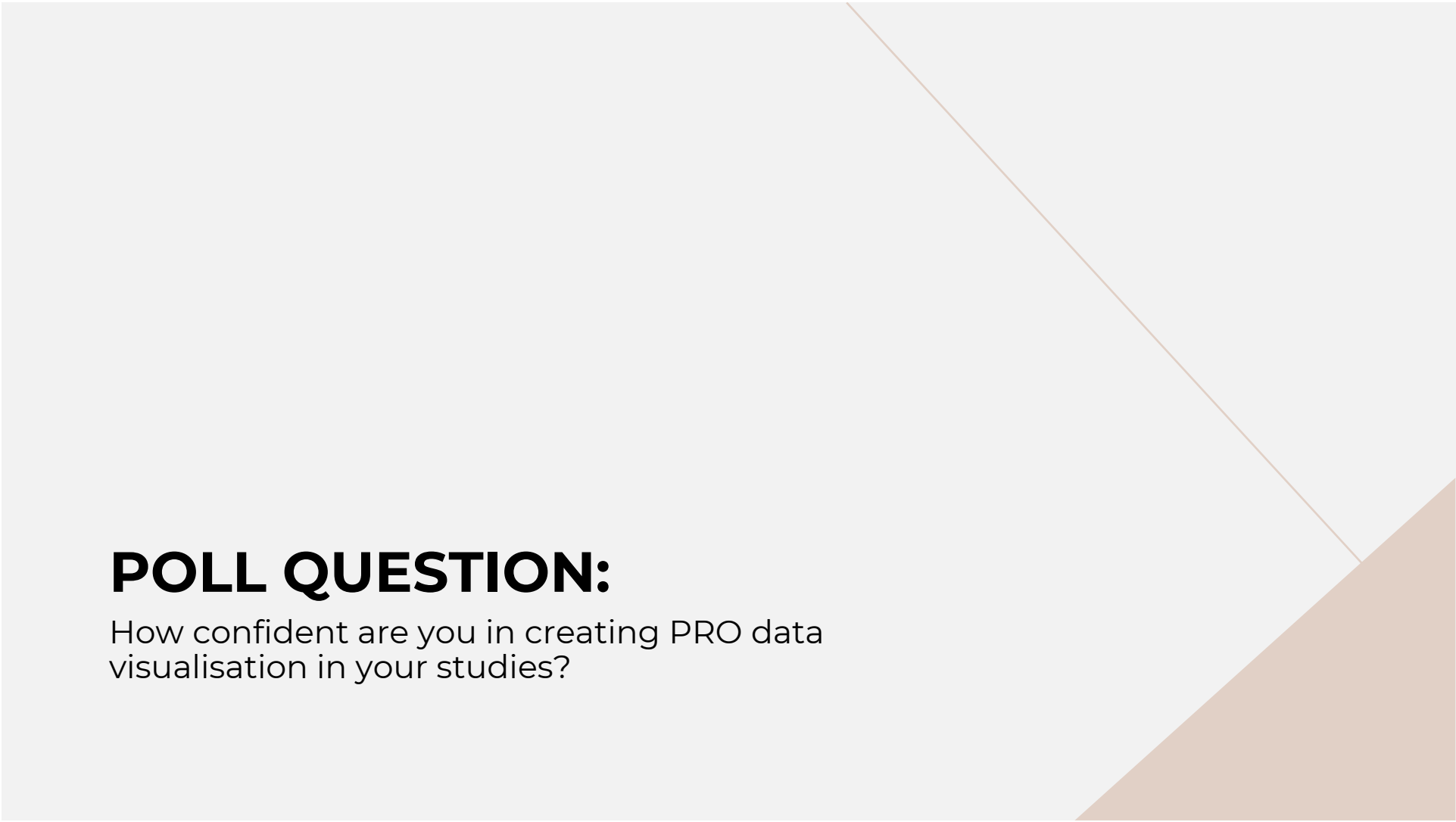
Key Challenges: Areas of Tension

Simpler approaches → easier to interpret?

Simpler approaches may not capture innovations

Standards may take time to catch up to innovation

How can we address these challenges?



POLL QUESTION:

How confident are you in creating PRO data visualisation in your studies?

Introducing the Panellists



Dr Claire Snyder



Dr Stephanie Manson



Dr Mallorie Fiero