UNIVERSITY Department of **Occupational** Therapy

Revision and Study of the Professional Development Monitor (PDM)

Introduction

- Professionalism & professional behavior has been discussed in the literature, however defining & measuring these constructs poses challenges
- **Professionalism:** Baseline behavioral expectations for students & practitioners to promote well-being & prevent harm to others¹
- **Professional behavior:** client safety, practitioner wellbeing & retention, positive standing of occupational therapy / assistants (OT/A) profession^{2, 3, 4, 5}
- Unprofessional behavior: poorer care outcomes, patient dissatisfaction, higher rates of litigation, decreased practitioner satisfaction & job retention ^{3, 4}
- **Professional Development Monitor (PDM)**⁶: Rubric developed by Barnes & Evenson in the 90's to identify professional strengths & growth areas in OT/A students
- Harmful uses of professionalism: force conformity, suppress cultural expression, inhibit authenticity^{1, 7, 8}

Guiding question

How to revise and study the PDM to ensure inclusivity, non-harm, usability, validity, & reliability for measurement of professionalism in OT students?

Aims

Phase 1: PDM revision

- 1. Determine face validity
- 2. Ensure inclusivity
- 3. Eliminate redundancy
- 4. Capture essential elements of professionalism
- 5. Determine major themes for
- header organization

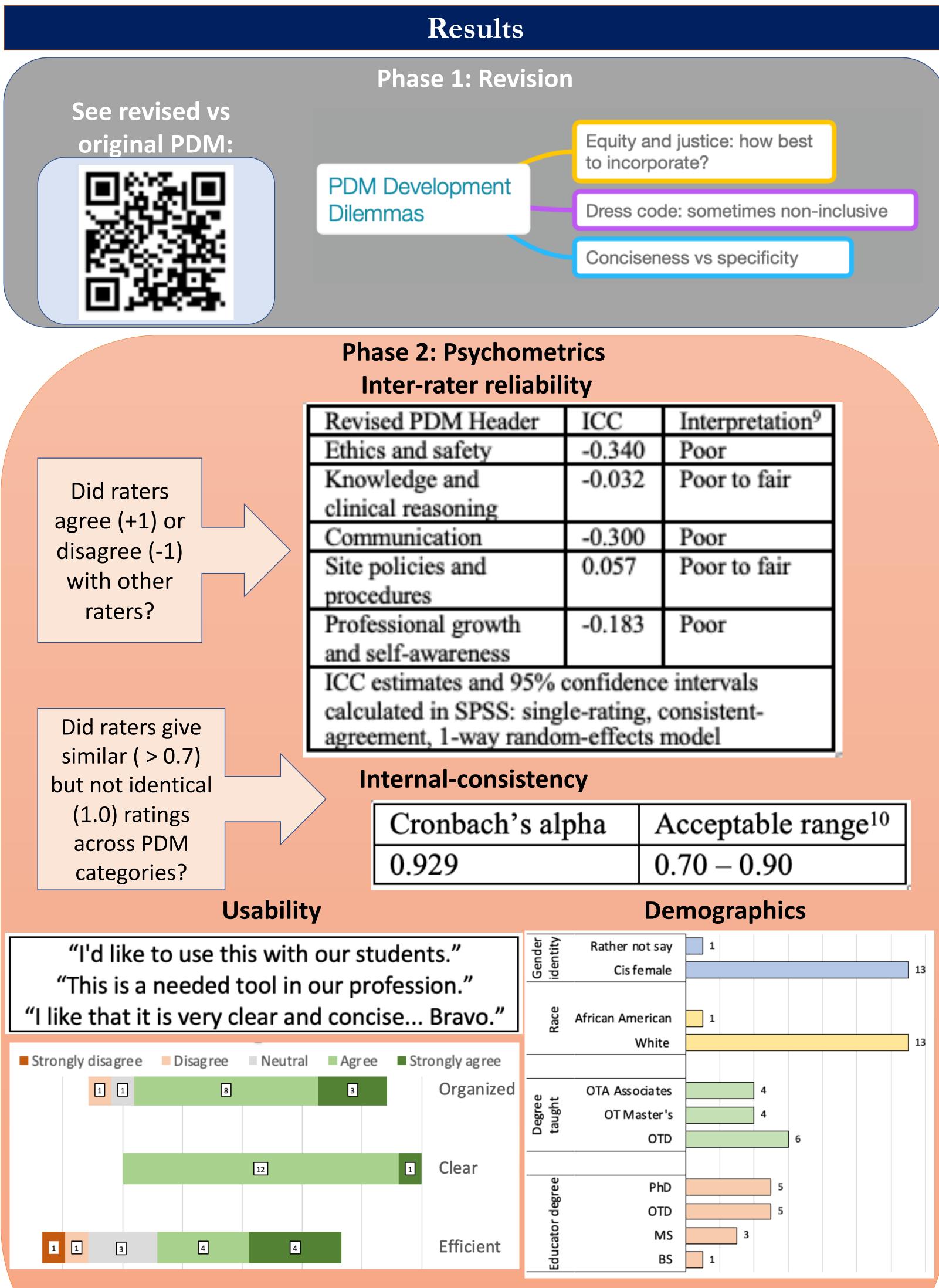
Phase 2: Psychometrics

- 1. Determine internal consistency
- 2. Inter-rater reliability (IRR)
- 3. Usability of rubric

Methods

- CDC's Nominal Group Technique (modified) focus groups
 - Tufts faculty group (n=3)
 - Tufts OT student group (n=5)
 - 2 hours each
- Discuss, provide opinions, individually vote on importance of each item to determine group consensus
- Create 4 videos of OT students simulating clienttherapist interaction (2-5 min)
- Participants rate level of professionalism using PDM administered via Qualtrics
- intra-class correlation coefficient (ICC) for IRR
- Cronbach's alpha for internal consistency
- Non-Tufts OT/A educators (n=18 recruited; n=14 completed Qualtrics)

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Discussion

- High Cronbach's alpha suggests headers are internallyconsistent. However, not enough differentiation to reliably capture different elements of professionalism.
- Low ICC's suggest ratings at header level not reliably capturing professionalism across raters.
- Participants on average agreed that the PDM accurately represents how they see professionalism, is efficient to use, is clear and easy to understand, and is organized in a way that has a logical flow.
- Qualitative feedback from phase 2 participants indicate some need for minor adjustments to overall rubric.

Conclusion

Preliminary evidence from this study suggests:

- Rating solely at the level of PDM headers is not reliable.
- The headers are internally consistent.
- The revised PDM is clear, organized, captures professionalism, & efficient to use.

Recommendation

Students should not be ranked solely at the level of PDM headers.

Sub-bullets under PDM headers should be studied for reliability in ranking student performance.

Limitations

- Small sample size, n=14 completed Qualtrie
- Lack of diversity of phase 2 participants
- Some assumptions in statistical models were not met

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Continue to make	
minor adjustments	
to PDM.	
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