**Mission:** The goals of the Psychometric SIG are to: 1) advance the science of HRQOL research through the application of psychometric methods; and 2) educate researchers and clinicians on the appropriate use of psychometric methods. The field of psychometrics plays a critical role in HRQOL research. Psychometrics plays a key role alongside qualitative methods to develop and evaluate HRQOL measures. Further, structural equation models provide an incredible methodology for looking at associations among HRQOL variables or to model changeover time when there are multiple endpoints or mediating/moderating factors.

<table>
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<tr>
<th>Project/Objective</th>
<th>Actions/Deliverables</th>
<th>Methods, Theory or Application Project</th>
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</table>
| 1. Psychometric methods for Intensive Longitudinal Data (ILD) | • Develop a set of methods for analysing ILD  
  o Present SIG Symposium on ILD  
  o Write 1-3 papers or a position statement on method use  
  o Submit code for methods to be hosted on the Teamwork site | Methods | Pip Griffiths | Fatoumata Fofana, Mathilde Verdam, James Shaw, Andre de Champlain, Joe Cappelleri, Veronique Sebille, Dave Andrae, Shanshan Qin, Jinxiang Hu | Present ISOQOL 2022  Submit papers by ISOQOL 2023 |
| 2. Developing Useful Visualizations for Psychometric Results | • Develop set of standard visualizations for psychometric research  
  o Present a talk as part of an ISOQOL symposium  
  o Develop standard code to be hosted on Teamwork site | Methods | Pip Griffiths | Nikki Williams, Christina Cheng, Myriam Blanchin, Ava Mehdipour, Yangjun Liu, Frances Yang | Present ISOQOL 2022  Upload materials by end 2022 |
| 3. Psychometric Methods for Small Samples | • Develop a set of recommendations for minimum sample size requirements for testing common psychometric properties  
  o A scoping literature review is ongoing  
  o We will perform simulation studies to fill-in gaps from literature as necessary  
  o An abstract was submitted for ISOQOL 2022 Annual Conference | Methods | Devin Peipert | Ahmed Osman, Brandon Foster, Christina Zigler, Emily Henkle, Jimmy Martin Delgado, Nikki Ow, Cristian Gugiu, Jia Ma, Aaron Kaat | Aim to generate our list of recommendations by the ISOQOL 2023 Annual Conference |
| 4. Evaluating Correlations: Workgroup 1 - What is a correlation? | Conducted a literature search using a critical review methodology with the aim to identify and present the various correlation coefficient thresholds, labels for these thresholds, and the context in which they were used. Questions to answer: | Methods | Don Bushnell | Christina Daskalopoulos (Leader), Ahmed Osman, | |
| 5. Evaluating Correlations: Workgroup 2 – Use in COA anchor-based analyses | Group has been developed but has not met. Questions to answer: - What are the thresholds that we should use when we judge the appropriateness of an anchor? - Should we have different thresholds depending on the nature of the anchor (i.e., self-reported, clinical)? - Synthesize current literature/recommendations? - Evaluate FDA recommendations? | Methods | Don Bushnell | Christina Daskalopoulou, David Cella, Jakob Bjorner, Kedar Mate, Milena Anatchkova, Richard White, Valerie Williams |

Abstract written and submitted to ISOQOL 29th Annual Conference
Title: Correlations: What Is With All Of These Different Thresholds?