

SIG Name: Psychometrics SIG

Date: 15 February 2019

SIG Co-Chairs: RJ Wirth, Frances Yang and Henrick Eshoj

Board Liaison: Antoine Regnault

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.

Number of SIG Members: 308

Project/Objective	Actions/Deliverables	Project Chair	Project Members	Timeline
1. Psychometrics SIG educational symposium	Submitted on February 1, 2019 a 2019 SIG educational symposium proposal on behalf of the Psychometrics SIG based on the annual meeting idea on the topic of "applications of longitudinal item response theory." The symposium consisted of three presentations with the title: "The Psychometrics Special Interest Group Educational Symposium presents methodology to select, collect, and analyse longitudinal health outcomes for quality of life researchers."	Frances M. Yang, PhD	Heather L. Gelhorn, PhD, Sheng Luo, PhD, Ola Rostant, PhD, R.J. Wirth, PhD, Frances M. Yang, PhD, Holly Yu, MSPH, Bryce Reeve, PhD	Awaiting notification March 1, 2019.
2. Psychometrics SIG manuscripts submission	Three manuscripts have been submitted to the Journal of Patient Reported Outcomes (JPRO), an official publication by ISOQOL. The three manuscript titles are as follows: "Psychometric Evaluation of the PROMIS® Depression Item Bank: An Illustration of Classical Test Theory Methods," "State of the Psychometric Methods: Patient-reported Outcome Measure Development and Refinement Using Item Response Theory," and "Psychometric Performance of the PROMIS® Depression Item Bank: A Comparison of the 28- and 51-item Versions Using Rasch Measurement Theory."	Stacie Hudgens, MA	Sandra Nolte, Stacie Hudgens, MA, Cheryl Coon, Mathilde Verdam, Angela Stover, Lori McLeod, Michelle Langer, Wen-Hung Chen, Bryce Reeve, PhD, Skye Barbic, PhD, Sophie Cleanthous, Sarah Smith, Antoine Regnault, PhD	Approved by ISOQOL Board and reviewed by a subset of ISOQOL Psychometric SIG members. Currently under review and awaiting notification.
3. Website Design	Psychometrics SIG website is live, but currently there needs to include more information that has already been submitted.	Frances M. Yang, PhD, and Henrik Eshoj, PhD	Frances M. Yang, PhD, and Henrik Eshoj, PhD	Awaiting for information submitted to populate the current live webpage.



4. SIG Newsletter	In continuation of Dr. RJ Wirth's SIG Newsletter, the next installment will be in April 2019 to include announcements, features of works by Psychometrics SIG members, and summary of methodology and software related to psychometrics-related questions posed by members.	Frances M. Yang, PhD, Henrik Eshoj, PhD, RJ Wirth, PhD	Frances M. Yang, PhD, Henrik Eshoj, PhD, RJ Wirth, PhD	In progress for sending out to Psychometrics SIG Teamwork as a PDF in the same previous format by April 2019
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Issues Requiring Board Attention:

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