

SPARCSdm Updates

Standardized Process Assessment of Relationship-Centered Shared Decision-Making



American Congress of Rehabilitation Medicine Conference



Pictured left to right: Christina Papadimitriou, Trudy Mallinson, Ann Guernon, Alison Cogan

Several team members traveled to Atlanta, Georgia at the end of October to attend the **2023 American Congress of Rehabilitation Medicine Conference (ACRM).**

Here is who attended from our team:

- Trudy Mallinson, GWU, PI
- Christina Papadimitriou, OU, PI
- Jen Weaver, CSU, Co-I
- Patricia Grady- Dominguez, CSU, post-doc
- Ann Guernon, Lewis U, Co- I
- Ellen Schultz, Advisory Board Member
- Trisha Kot, Care Partner Researcher

Team members Trudy Mallinson, Patricia Grady-Dominguez, and Jen Weaver along with Katie O'Brien of TIRR and Allison Cogan of USC, presented **"The Coma Recovery Scale-Revised: Indices of Responsiveness, Applications for Clinical Practice"** at the 2023 American Congress of Rehabilitation Medicine.



Pictured left to right: Bob Kot, Trisha Kot, Ellen Schultz, Jen Weaver, Ann Guernon, Theresa Bender Pape

Research team member Trisha Kot led a special symposium titled: Person-Centered Measurement: Engaging Patient and Caregiver Partners for Better Measurement and Better Care.

We congratulate Trudy Mallinson on receiving the **2023 Edward Lowman Award** at the American Congress of Rehabilitation Medicine.

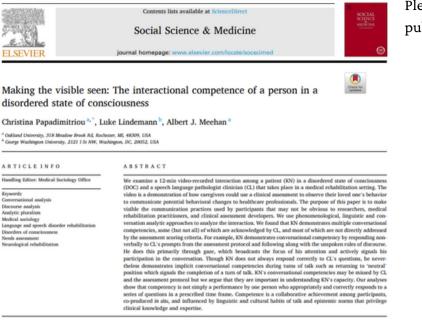
Trudy is an occupational therapist and researcher, and PI of SPARCSdm.



Trudy established the Advanced Metrics Lab (AML) in 2016 to support her primary research idea that better outcomes measurement can improve health care and inform health care policy.

The SPARCSdm team is grateful to be under her, and Christina's, leadership!

Publications



Please <u>click here</u> to read Christina Papadimitriou (PI), Luke Lindemann (post-doc, RA), and Jay Meehan (consultant), recently published an article!

Please <u>click here</u> to read Jen Weaver, CSU co-I, recently published artcle on disordered states of consciousness!

Received: 27 January 2023 Revised: 25 May 2023 Accepted: 31 May 2022 Brain and Behavior WILEY BRIEF REPORT

Comparing indices of responsiveness for the Coma Near-Coma Scale with and without pain items: An Exploratory study

Jennifer A. Weaver¹ 0 | Vera Pertsovskaya² | Jasmine Tran¹ | Allan J. Kozlowski³ | Ann Guernon^{4,5} | Theresa Bender Pape^{5,6} | Trudy Mallinson²

Introduction: This study aimed to establish the indices of respo Coma/Near-Coma (CNC) scale without (Il Item) and with (10 Item) paintest stimul. A secondary purpose was to examine whether the CNC 8 items and 10 items differ when detecting change in neurobehavioral function. Methods: We analyzed CNC data from three studies of particip

consciousness: one observational study and two intervention studies. We generates Rasch person measures using the CNC 8 items and CNC 10 items for each partic ipant at two time points 14 ± 2 days apart using Rasch Measurement The calculated the distribution based minimal clinically important difference (MCID) and minimal detectable change using 95% confidence intervals (MDC) $_{\rm Pl}$).

Results: We used the Rasch transformed equal-interval scale person logits. For the CNC 8 items: Distribution-based MCID 0.33 SD = 0.41 logits and MDC_{rs} = 1.25 logits. For the CNC 10 items: Distribution-based MCID 0.33 SD = 0.37 logits and MDC₆₅ = 1.03 logits. Twelve and 13 participants made a charge beyond measurement error (MDC₆₅) using the CNC B item and 10 item scales, respectively. Conclusion: Our preliminary evidence supports the clinical and research utility of the Conclusion Corp presenting vendors appoints the climical and reservice unity on the CNC 8-item scale for measuring the responsiveness of neurobarbarical function, and that it demonstrates comparable responsiveness to the CNC 10-item scale without administering the two pain items. The distribution based MCID can be used to evaluate group level changes while the MDC_{VG} can support clinical, data driven di about an individual patient.

KEYWORDS

Project Updates



- Four new research assistants have joined our team. One from George Washington and three from Oakland.
- Two more patient families have been successfully enrolled into our SPARCSdm study.
- New content on our social media pages will be uploaded soon. You can follow us using the links below.
- - aml_metrics
- Advanced Metrics Lab

<u>Advanced Metrics Lab (@amlab_) / X</u>

Presentations

Marla Clayman, SPARCSdm co-I from Bedford, VA in MA, recently gave a presentation titled "Proposing a Relationship-Centered SDM process conceptual model for chronic disability"



Click here to read more about her presentation.

Abbreviation Key:

- GWU: The George Washington University
- OU: Oakland University
- CSU: Colorado State University
- PI: Principal Investigator
- **RA: Research Assistant**
- Co-I: Co-investigator

