Concurrent and Discriminant Validity of Biopsychosocial Patient Reported Outcomes with the Keele MSK Tool

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What drives your care?

What is meaningful to measure?

Patient and Clinician perception of psychosocial outcome measures

meaningful

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State of PRO

Outcome Measures

Sample Characteristics "28% reported that the outcome of the instrument often or always influenced their clinical decision making"

Knoop et al. 2020

12.

"Findings suggest that physiotherapists are not convinced of the benefits of the currently available measurement instruments for daily physiotherapy practice, because their outcomes did not affect clinical decision-making about most patients"

Knoop et al. 2020

"Physiotherapists only use measurement instruments because of perceived obligations from external parties"

Knoop et al. 2020

Barriers

- Not directly helpful to POC
- No actionable information
- Too subjective
- Individual resistance to change behavior

Facilitators

- Colleague and administrator support
- Availability
- Recognized value
- individual resistance to change behavior

Briggs et al. 2020



State of PRO

Outcome Measures



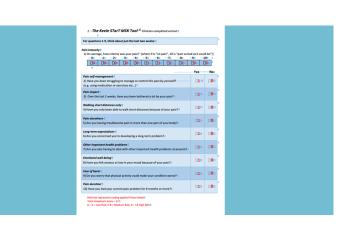
23.

Keele MSK Tool Stratify patients based on risk of poor outcomes

PROMIS

CAT normalized to 2010 census data allowing for multiple testing domains.







PROMIS

CAT normalized to 2010 census data allowing for multiple testing domains.



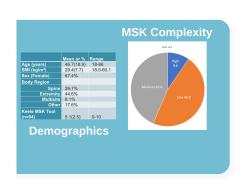


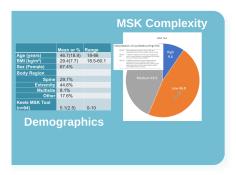














State of PRO

Outcome Measures

Sample Characteristics

36

1. Patients in an outpatient orthopedic setting find PROMIS scales subjectively helpful.

37.

2. Clinicians in an outpatient orthopedic setting find PROMIS scales helpful across musculoskeletal conditions of all Keele MSK complexities.



Note that the definition is a simple for the definition of th



Methods

Follow up surveys from patients and clinicians after completing Keele MSK and PROMIS outcome measures



Methods

Follow up surveys from patients and clinicians after completing Keele MSK and PROMIS outcome measures

Semi structured clinician interviews with qualitative analysis



47.

- 1. Please rank how difficult it was to complete the surveys
- Imagine that these surveys are part of the regular paperwork used when you come for an appointment.

 $\frac{Respond\ to\ the\ following}{a.\ These\ surveys\ cover\ important\ information\ about\ my\ health}$

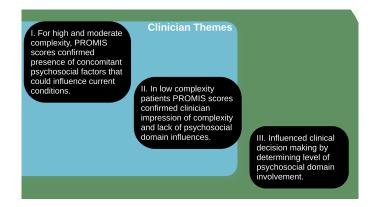
- Strongly Disagree
 Neutral
 Strongly Agree

 ·5
 ·4
 ·3
 ·2
 ·1
 0
 +1
 +2
 +3
 +4
 +5
- Although these surveys don't mention my problem, I can see how this information might assist with my care
- Strongly Disagree
 Neutral
 Strongly Agree

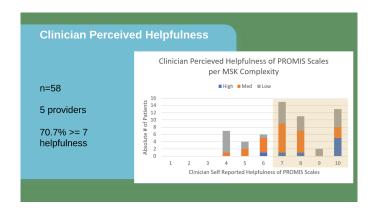
 -5
 -4
 -3
 -2
 -1
 0
 +1
 +2
 +3
 +4
 +5
- c. I am happy to complete most surveys <u>IF</u> my therapists will use them to help me
- Strongly Disagree
 Neutral
 Strongly Agree

 -5
 -4
 -3
 -2
 -1
 0
 +1
 +2
 +3
 +4
 +5



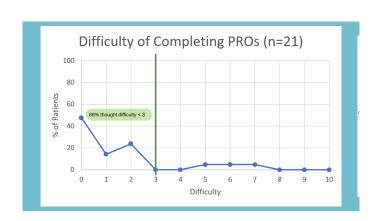


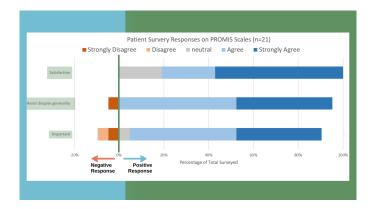
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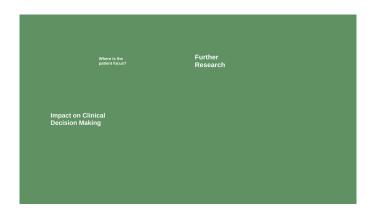


59.

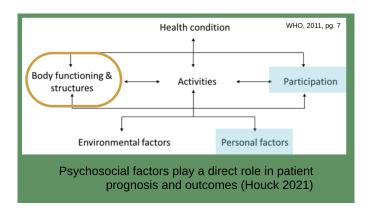


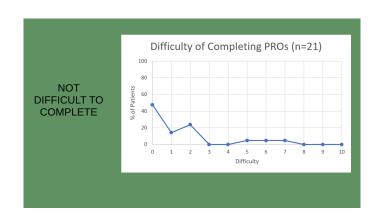


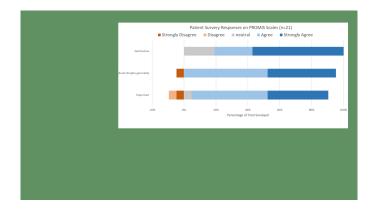


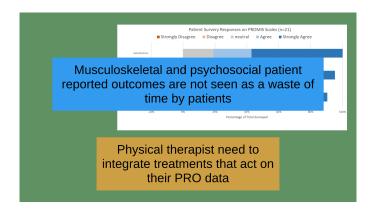


68.









85





Patient's perception of PROs Implementation of PROMIS scores in POC Further Research Influence of comorbidities Measurement of PROMIS's impact on clinical decision making