NIH: Patient-Reported Outcomes Measurement Information System (PROMIS®)

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Functional Vision and Visual Function
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Disclosures

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 Research funding from NIH for PROMIS and Patient-Centered Assessment Resource (PCAR)

 Collaborator on prior vision-related projects with NEI, FDA, and Allergan











PROMIS



Self-report measures that assess physical, mental, and social health in adults and children.

Can be used with the general population and with individuals living with chronic conditions

T-score metric for U.S. general population (Mean = 50, SD = 10)











PROMIS® Adult Self-Reported Health

Global Health

Physical Health

Physical Function
Pain Intensity
Pain Interference
Fatigue
Sleep Disturbance

Mental Health

Depression Anxiety

Social Health

Ability to
Participate in Social
Roles & Activities

PROMIS Profile Domains

PROMIS

Pain Behavior

Pain Quality

Sleep-related Impairment

Sexual Function

Gastro-Intestinal Symptoms

Dyspnea

Anger

Cognitive Function

Alcohol Use, Consequences, & Expectancies

Smoking

Substance Use

Psychosocial Illness Impact

Self-efficacy

Satisfaction with Social Roles & Activities

Social Support

Social Isolation

Companionship

Domains

PROMIS Additional

10/7/2016



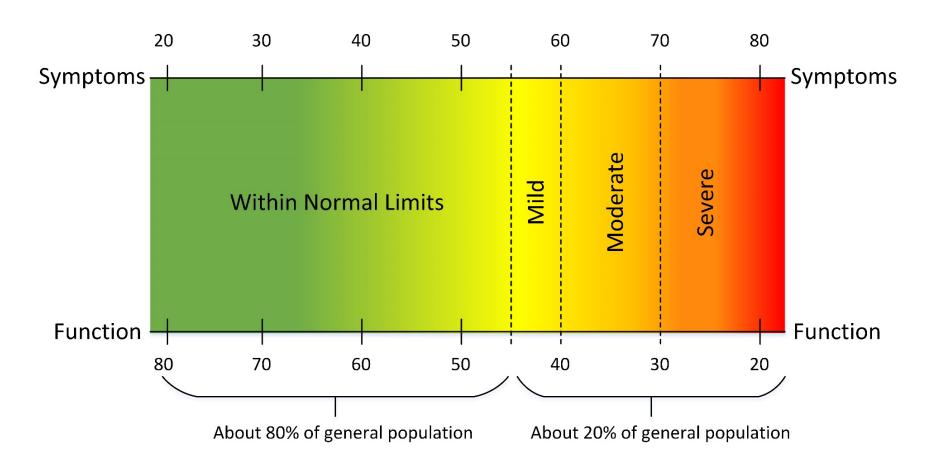


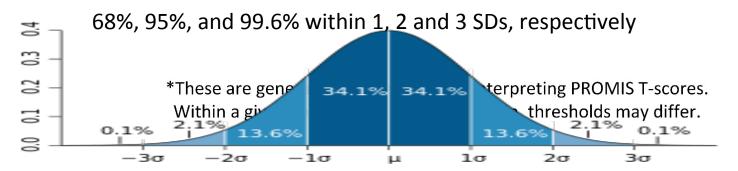




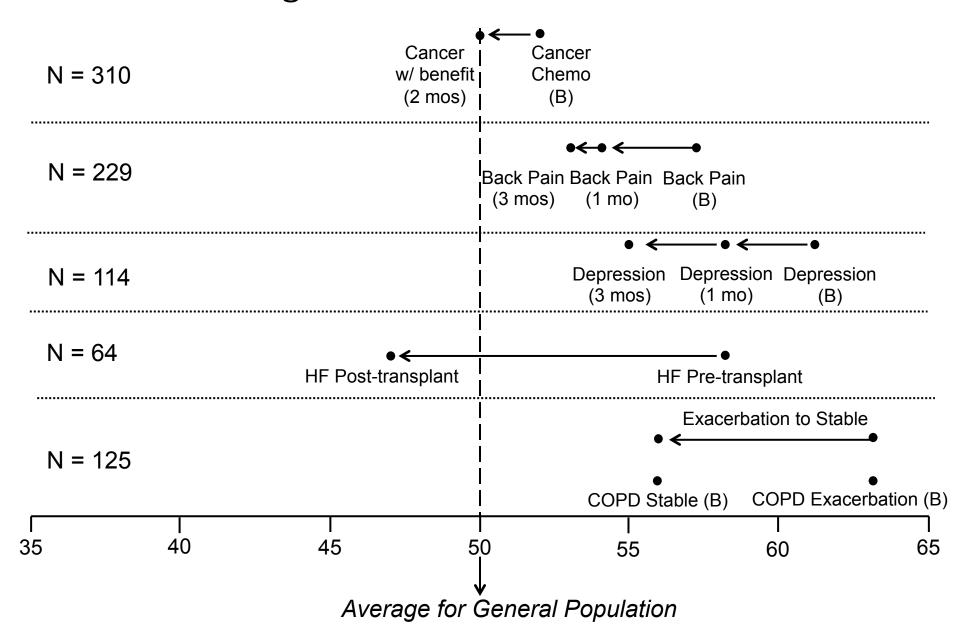


Interpreting PROMIS T-Scores





PROMIS Fatigue Across Five Clinical Conditions



Content <u>can</u> be expanded to be conditionspecific: Pain Interference "Plus" Items

Existing PROMIS items (8)

- How much did pain interfere with
 - your enjoyment of life?
 - your close personal relationships?
 - your day-to-day activities?
 - your ability to work (include work at home)?
 - your ability to participate in social activities?
 - your ability to remember things?
- How irritable did you feel because of pain?
- How often did pain prevent you from walking more than 1 mile?

New condition-specific "gap" items (5)

- How much did knee pain
 - limit your daily activities?
 - interfere with your walking?
 - interfere with going up stairs?
 - interfere with going down stairs?
- How often did knee pain make you feel depressed?





Administration Options



- Paper (short forms and profiles only)
- Computer (e.g., Assessment Center, REDCap)
- App (e.g., PROMIS iPad app)





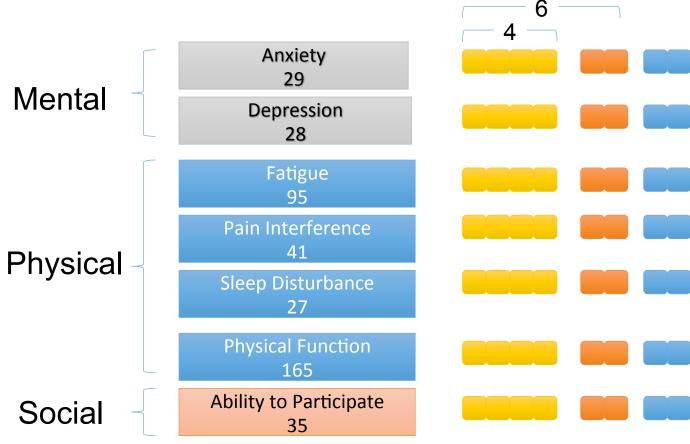






PROMIS® Profile Short Forms (v2)

(29-43-57 items)

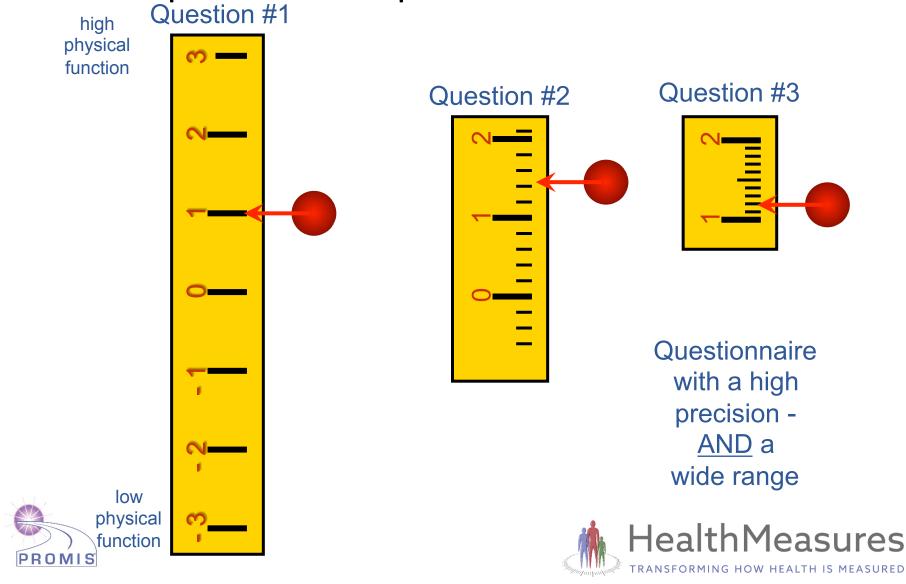




(+ pain intensity)

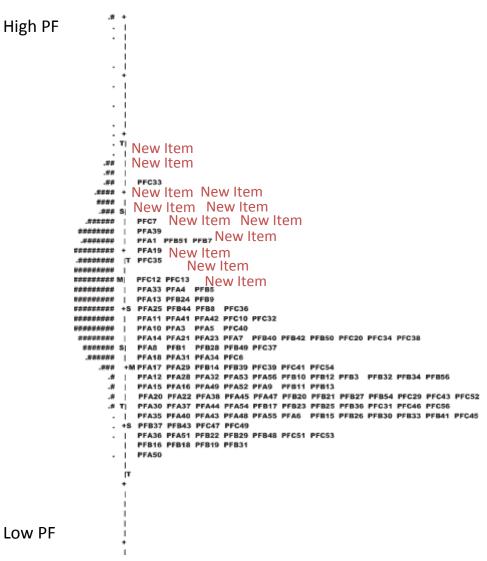


Computer Adaptive Tests



<u>Patients</u> Items

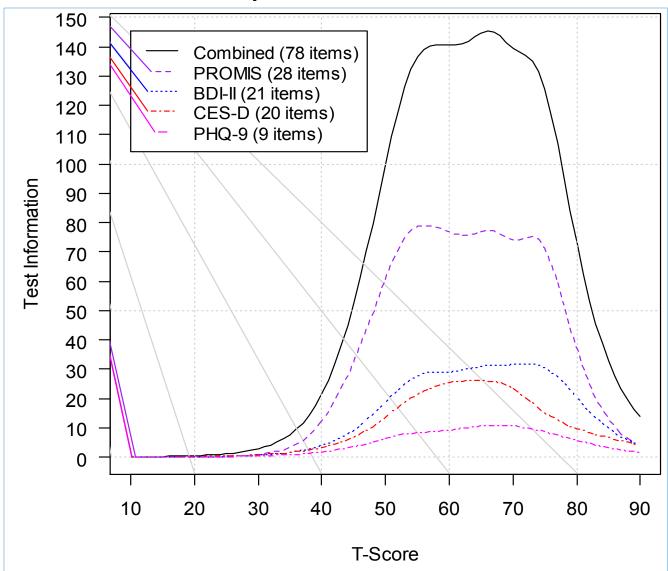
Measurement floors/ceilings can be addressed by extending the item bank





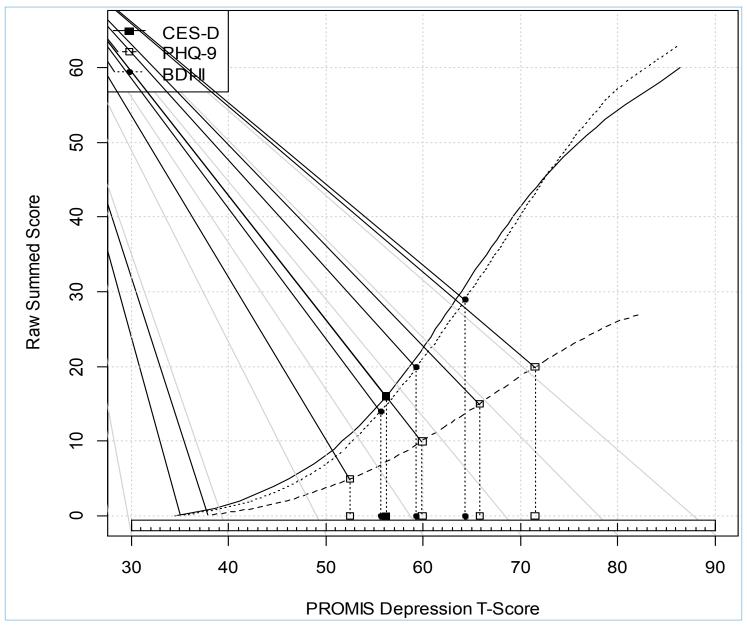


Test Information Functions: Separate and Combined













Questions?





