

Integrating Patient Reported Outcomes (PRO) into Practice: University of Rochester Medical Center URMC

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MEDICINE *of*
THE HIGHEST ORDER



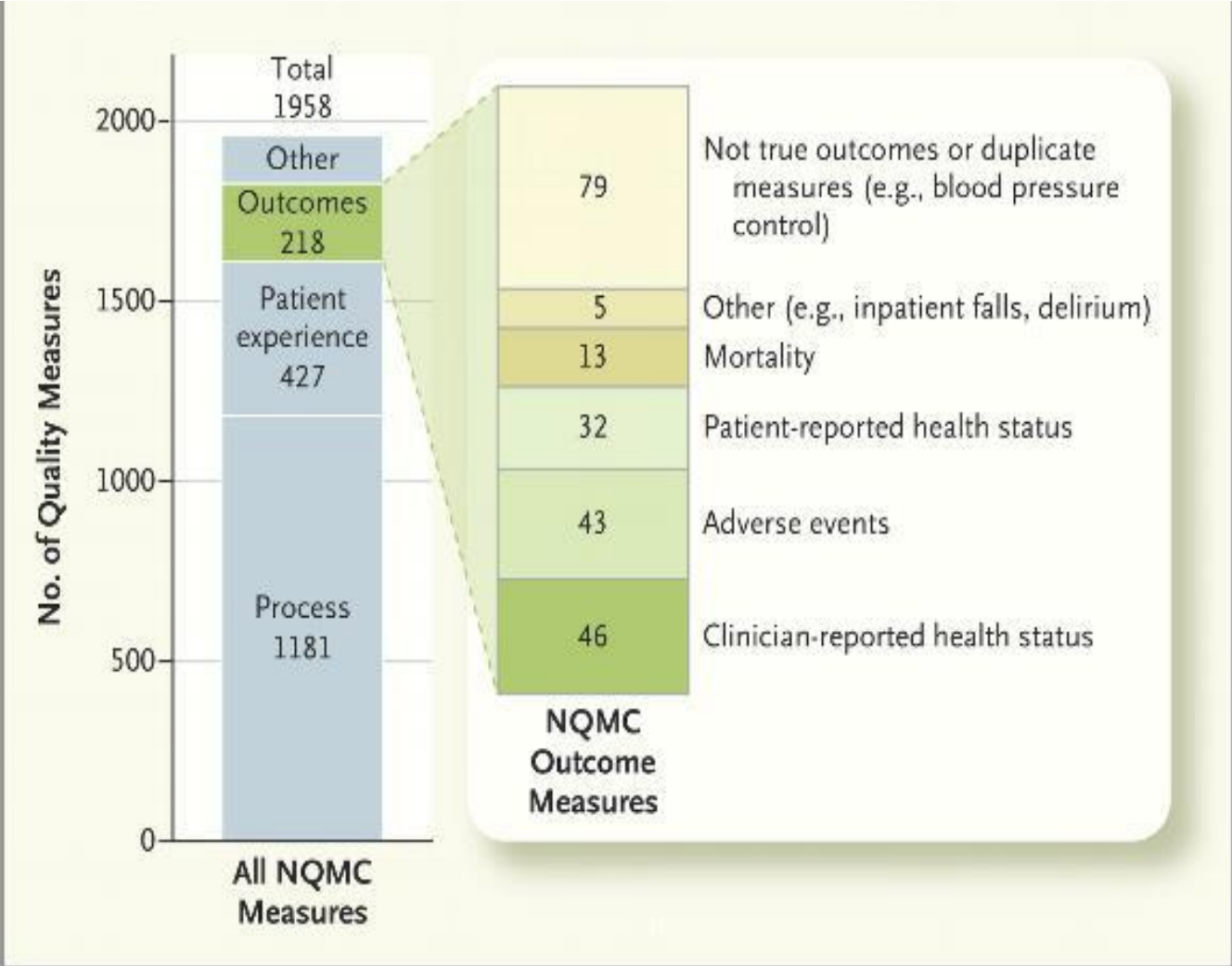
UR
MEDICINE

WILMOT
CANCER INSTITUTE

Using Performance Measures to Drive Care Decisions

Porter et al, Standardizing Patient Outcome Measurement, NEJM, 2/11/16

“Of the 1958 quality indicators in the National Quality Measures Clearinghouse...only 139 (7%) are actual outcomes and only 32 (<2%) are patient reported outcomes”



UR PRO Collection Platform

CORE IDEALS

1. Collection for clinical use to improve health of patients and community
2. Only validated, standard of care PROs added to platform to allow for Research and Quality use
3. Minimize Provider Burden
4. Minimize Patient Burden
5. Minimize Disruption to Clinic Flow
6. Minimize Cost
7. Easy reporting for use with other data
8. Provide feedback/data for continuous improvement

Developed a Homegrown Platform to Collect PRO Data:

URVoice

Validated Outcomes In Clinical Experience



- Incorporates biopsychosocial assessments
- Domain specific not disease specific
- Produces validate data quickly
 - Item Response Theory
 - Short Forms
- Uses Computer Adapted Technology

Core Instruments:

- Pain Interference
- Physical Function
- Depression

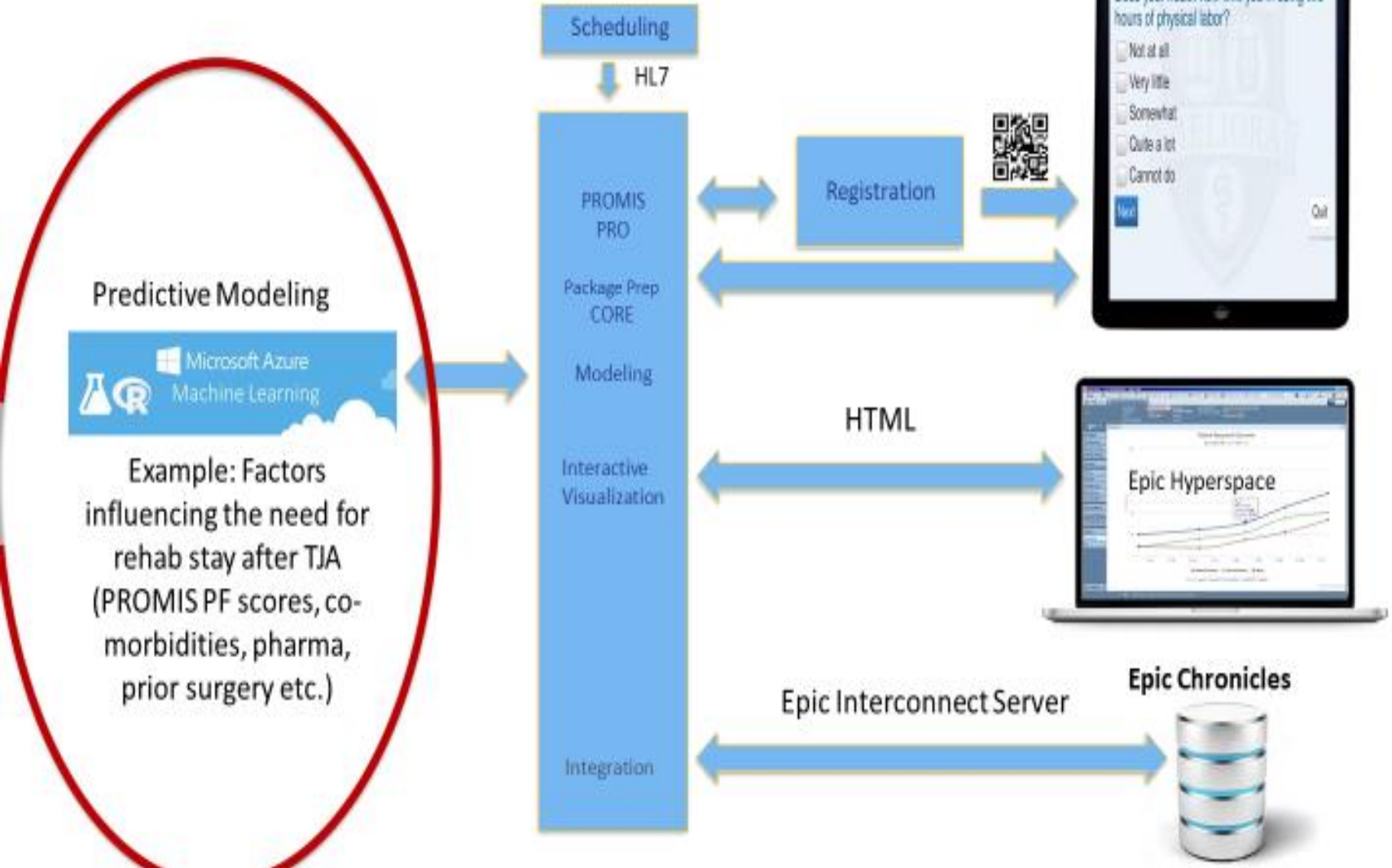
Oncology:

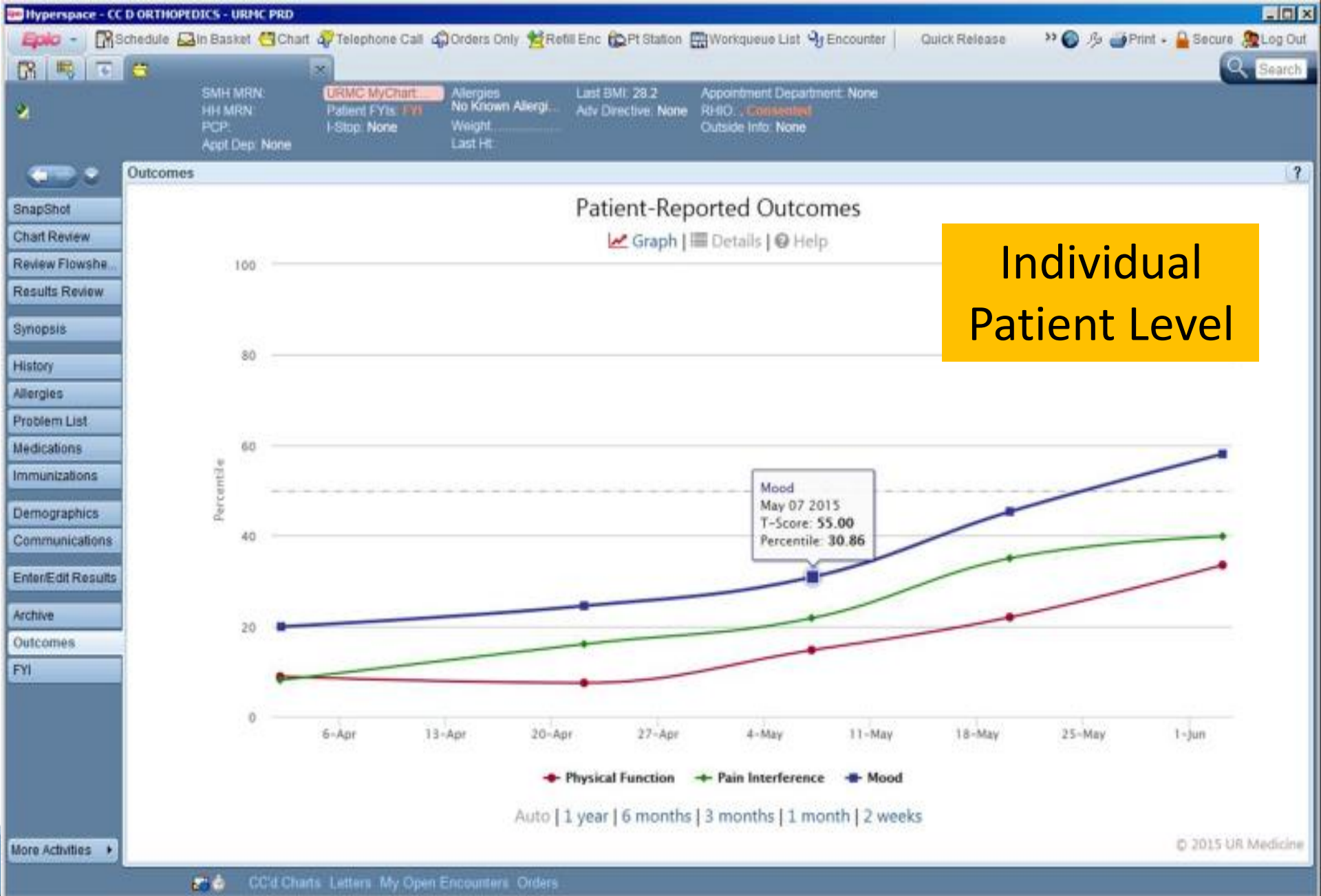
- Distress Score and Trigger
- Fatigue

Future:

Self-efficacy

Putting it all together





Individual Patient Level

<https://www.youtube.com/embed/H1EWU0RJYLO>

Snapshot

Chart Review

Care Everywh...

Review Flows...

Results Revi...

Synopsis

History

Allergies

Problem List

Medications

Immunizations

Demographics

Communicati...

Archive

Outcomes

FYI

Customize

Health Status - Most Recent Visit

Health Status - Since First Visit

PASS - Foot & Ankle Score

PROMIS Adult Depression

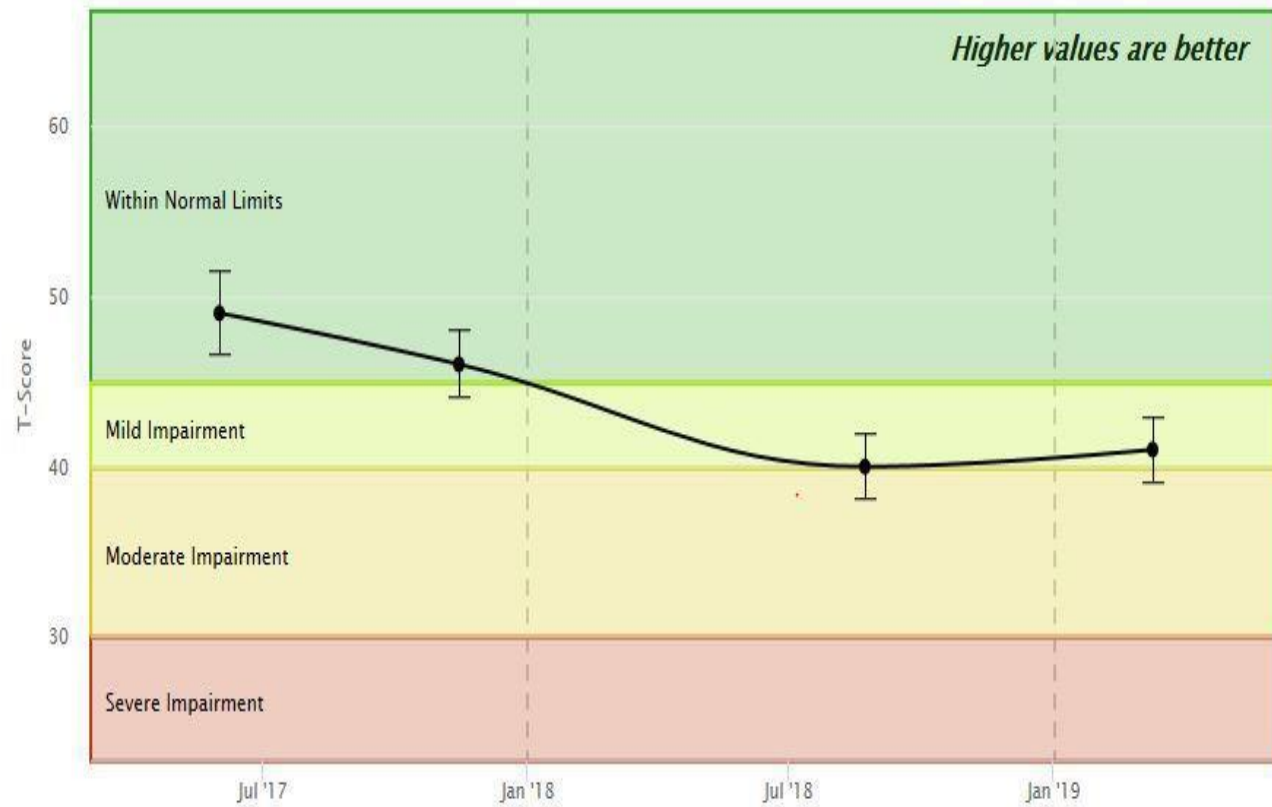
PROMIS Adult Pain Interference

PROMIS Adult Physical Function

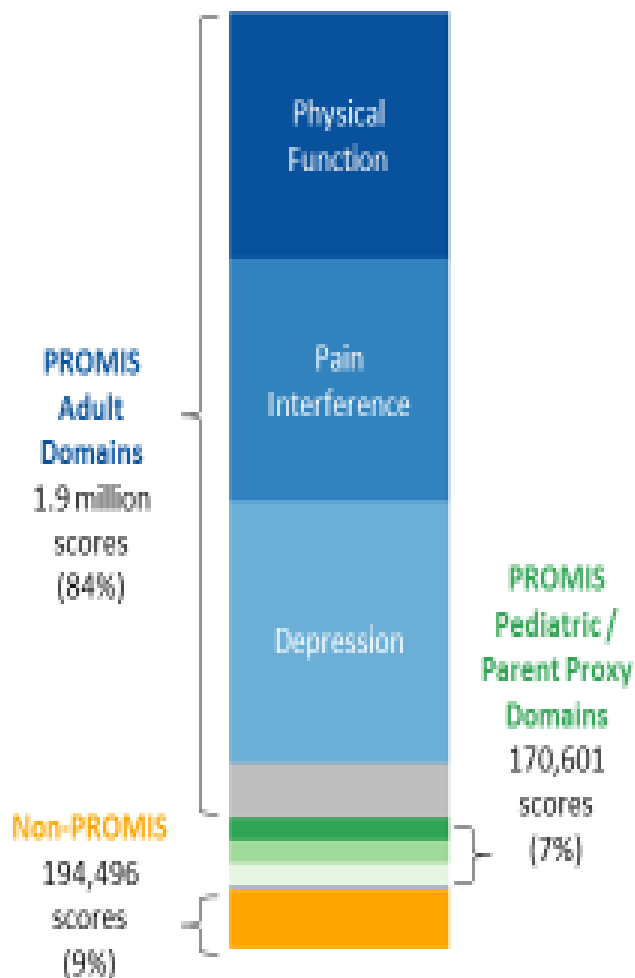
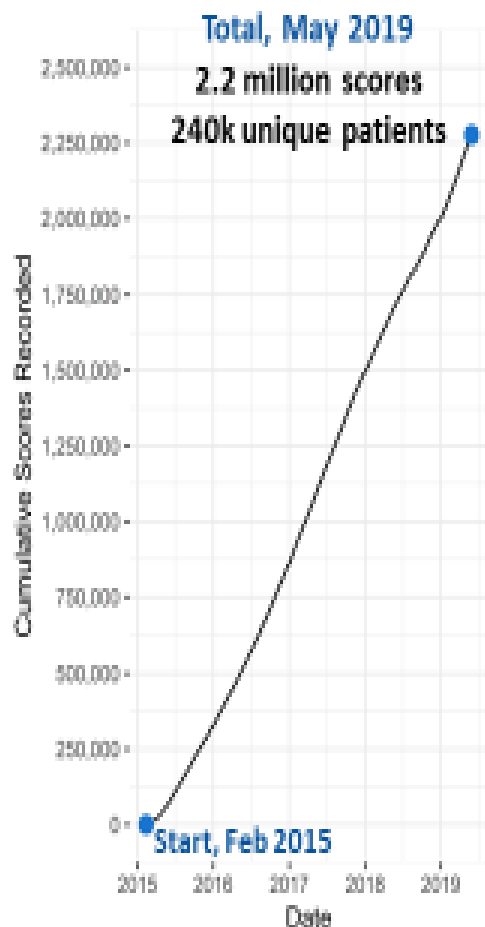
Patient-Reported Outcomes

Dashboard | PROMIS | Details

PROMIS Adult Physical Function i



UR VOICE: Collections



44 seconds

Median time to complete assessment

4 items

Median items answered per assessment

98.2% completed

Using the Data



- Started out as a clinical care tool in Ortho
- Now mined for quality projects and research studies
- Linking PROMIS to other related instruments
- Dermatology started in 2017
 - Added Mood Instrument
- Oncology started in 2018
 - Added Distress Tool and Social Work Trigger in EPIC
 - 2020: Adding Self-efficacy

Changes in the works for URVoice

- Improved Visualizations with categorial guidelines
 - Aid in clinical interpretation
- Delivery Windows
 - Choose which domains and when to collect
- Improved Program administration tools
 - Assess and monitor collection/administration metrics of PROs
- **Clinician focused analytic resources**
 - **Help with Clinical questions geared toward improving Clinical Care and Quality**
 - **Additional Data analysts; small grant funding, statistical support**



Resources

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