SMART on FHIR Use Cases: cPRO and TrueNTH

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cPRO
(computerized)
Patient Reported Outcomes
http://cprohealth.org
What gender best describes you?

- Male
- Female
- Male-to-Female Transgender/Transgender Woman
- Female-to-Male Transgender/Transgender Man
- A gender not listed above
Patient use of PRO data in the context of self management

The Radical prostatectomy (non-nerve-sparing) journey

The graphs above show how symptoms change over time in the prostate cancer journey.

Your symptoms are the black dots on the charts. If your dot is within the blue-grey line, then your symptoms are similar to other men you are being compared to.

Summary of your responses

In your responses, you reported:
- Overall, problems with urinating are a small problem for you.
- More than once per week leakage.
Interventions such as patient decision aids, and coaching for communication with providers.
Interventions such as patient decision aids, and coaching for communication with providers.
Clinician use of PRO data, contextualized to the domain
Provider-customizable content, to minimize impacts on workflow
cPRO & SMART on FHIR

EHR Integration

App / website launch & user authentication from:
- EMR (providers)
- Tethered Patient Portals (patients)

Reading data from the EHR (and to a lesser extent, writing to it)
cPRO & SMART on FHIR

Epic FHIRWorks 2017 & 2018

Integrations with Epic applications:

Hyperspace EMR

MyChart Patient Portal
**Important!**

If you have concerns about your wound, contact the clinic.

Clinic staff do not get notified automatically when you track your wound in mPOWER. If you contact the clinic, let them know you have been using mPOWER to record symptoms and wound photos.

Continue to mPOWER
Your mPOWER Tracking History
You haven't tracked your wound yet.

Tracking sessions for surgery on 03/15/2017
03/16/2017 1 days since surgery | No photos
No photos were uploaded during this session.

Your Symptoms Over Time
- Symptom
- Drainage
- Drainage Fluid
- Drainage Color
- Dressing
- Pain
- Redness
- Warmth

mPOWER - development version - not for clinical use.

Adding photos for Tb-d4ihkex9k53Q3sqp4QbwBLVUUSclS9mQZHKEC MyChart User

Taking a Photo
Add Another Photo
Cancel
cPRO (mPOWER) within the EMR (Epic Hyperspace)
Fenway Health cPRO <-> EHR Integrations
TrueNTH

A patient-centered portal for men with prostate cancer
<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
<th>Button</th>
</tr>
</thead>
<tbody>
<tr>
<td>Decision Support</td>
<td>Explore your values, your preferences, and the current medical knowledge to help you discuss your treatment options with your doctors.</td>
<td>Go to Decision Support</td>
</tr>
<tr>
<td>Symptom Tracker</td>
<td>Compare your symptoms over time with men like you, and manage symptoms that bother you.</td>
<td>Go to Symptom Tracker</td>
</tr>
<tr>
<td>Exercise and Diet</td>
<td>To provide men and the people in their lives with the tools and support they need to optimize their health through exercise and diet.</td>
<td>Exercise and Diet</td>
</tr>
<tr>
<td>Lived Experience</td>
<td>TrueNTH brings lived experiences from men, their caregivers and clinicians to help you in your prostate cancer journey.</td>
<td>Lived Experience</td>
</tr>
</tbody>
</table>
TrueNTH Symptom Tracker

Urinary Problems

Understanding the graphs

Your Urinary Problems score:
78/100
on year 2
You reported that this is a small problem.

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Decision Support

Choosing which treatment path to go down can be confusing and overwhelming. Being informed of the different options and how each fits into your life is critical in making the best choice for you.

START

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