

User Interaction Plan - for Translational Medicine Ontology

This plan is a collaborative work within the interest group HCLS in W3C. It will be discussed at next call!

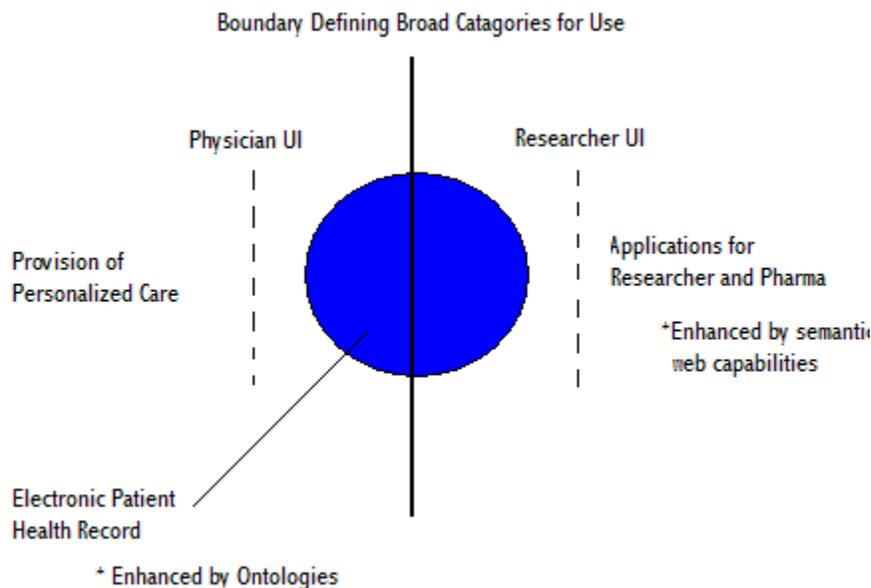
Introduction

This plan is based on the outline developed in TMO and discussed at the call, February 18.

Use Case

We plan to demonstrate the UI for two different use cases:

1. First mock-up/pilot will be for research/pharma purposes as a platform for clinical hypothesis identification and as a tool for the identification and development of personalized medicine.
 2. Second mock-up/pilot will be for provision of personalized care in a clinical setting
- The development will be iterative!



Assumptions

- We aren't going to worry as much about legal or technical issues right now, we're really wanting to illustrate the value of ontologies to TM processes at the care and research levels
- We need to stick to the original records in the EHRs (or personal health records), not depend on user input data which may or may not be accurate.
- We're not talking about a brand-new UI or a huge interactive innovation, it's more about the backend.
- We're really about demonstrating the power of the ontology as part of the whole health IT ecosystem, not targeted at showing incremental change to specific existing user interfaces. For example, in the US, "meaningful use" requirements could be better fulfilled if ontology-driven interoperability were supported.

Development Plan

- First step will be mock-up.

- Start with one comprehensive profile (scientific) and in an iterative form develop a first version based on TMO.
- **When first mock-up "ready", decide if next step pilot or second use case.**
- We aim to demonstrate two different interfaces (see use cases) using the same data
- We propose to align our UI with Google Health standards when applicable.
(http://code.google.com/apis/health/ccrg_reference.html)
- We will investigate possibilities to Collaborate with institution and/or UI developers.
- More sample data will be needed, explore opportunities:
- After a UI is created and issues are resolved - attempt to apply interface to real data to demonstrate:
 - realistic
 - functional
 - serve as demonstration of semantic applications to everyday practice and for research
 - highlight and provide several key therapeutic examples to demonstrate the importance
 - attempt to identify and understand by way of trial and error, the exact hurdles necessary to overcome "real world" application