

Online Personal Health Record

Mariya A. Mohammed
Wofford College

Research Alliance in Math and Science
Oak Ridge National Laboratory
http://info.ornl.gov/sites/rams2012/m_mohammed

Mentors
Mallikarjun Shankar and
Georgia Tourassi
Computational Sciences and Engineering Division

Introduction

- Improve personal health record (PHR) availability to patients
 - Overcome PHR data-sharing challenges
 - Enable patients to be proactive in their care-coordination
 - Minimize errors and enhance care quality
- Simplify access and presentation of PHR
 - Give patients immediate online access and control over personal information
 - Present prioritized, visually relevant PHR descriptions

Research Objectives

- Determine most relevant categories of information for certain user age groups
 - Adults
 - Seniors
 - Chronic condition patients
- Construct personal health record webpage
 - Easily navigable
 - Visually compelling components
 - Timelines
 - Charts
 - Medical test images

Resources/Tools

- HyperText Markup Language (HTML)
- Cascading Style Sheets (CSS)
- Google Charts
- Online resources

Methodology

- Systematic cataloging of PHR user priorities
- Develop visual artifact to PHR information mapping
- Code webpage in HTML; link pages with tabs
- Add dummy data
- Construct timeline, chart, table visual objects
- Link in image objects
- Style using CSS

Results



Figure 1. Homepage of personal health record webpage



Figure 2. Sample logs and charts page with blood pressure information

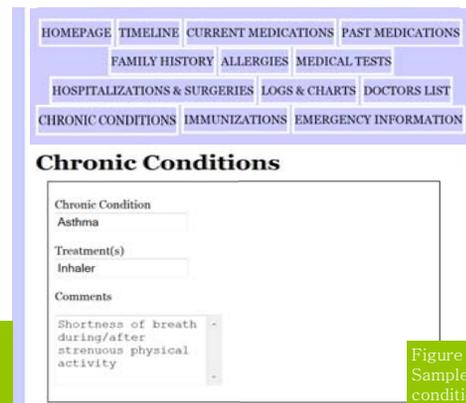


Figure 3. Sample chronic conditions page



Figure 4. Timeline with dummy data

Conclusions and Future Work

- Access to online medical information can better inform patients and care providers and improve treatment/care
- Conduct user case studies
- Develop corresponding mobile application

References

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