

Creating Usable EHRs: A UCD Best-Practices Workshop

May 22, 2012

National Institute of Standards and Technology
Gaithersburg, MD

Final Agenda

- 8:00 – 9:00** **Registration / Breakfast available in NIST Cafeteria**
- 9:00 – 9:10** **Welcome Remarks**
- Chuck Romine, Ph.D.,
Director, Information Technology Laboratory, NIST*
- 9:10 – 9:20** **Welcome Remarks**
- Farzad Mostashari, M.D., Sc.M.,
National Coordinator for Health Information Technology*
- 9:20 – 9:30** **Overview of the Day**
- Ashit Talukder, Ph.D.,
Division Chief, Information Access Division, NIST*
- Jacob Reider, M.D.,
Senior Policy Advisor, ONC*
- 9:30 – 9:50** *Usability Research and the eye of the beholder*
- Chris Gibbons, M.D., M.P.H.,
Assistant Professor & Associate Director, Johns Hopkins Urban Health Institute*
- 9:50 – 10:15** *Unique Usability Challenges in Designing EHRs used for the care of children*
- David Brick, M.D.,
Village Pediatric Cardiology*
- 10:15 – 10:30** *Categorization of Critical User Interactions for Pediatric EHR*
- Jiajie Zhang, Ph.D.,
Director, SHARPC, Interim Dean, University of Texas School of Biomedical Informatics at Houston*
- 10:30 – 10:45** **Break**
- 10:45 – 11:00** *Demonstrating Usability and Safety – Role and Use of the Common Industry Format (CIF) and EUP*
- Ben-Tzion Karsh, Ph.D.,
Professor, Industrial and Systems Engineering, University of Wisconsin*

11:00 – 11:15

Common Industry Format: What It Is What It Isn't and Why It's Useful
Robert Schumacher, Ph.D.,
Managing Director, User Centric, Inc.

11:15 – 11:30

Developing a Framework for Enhancing Health IT Usability

Matthew B. Weinger, M.D., M.D.,
Vanderbilt University School of Medicine, Tennessee Valley VA Healthcare
System

Track 1 Hands-On Human – Centered Innovation Workshop for EHR Developers (Limited to 1 st 60 participants)	Track 2 User – Centered Design Workshop
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11:30 – 12:00

*Introduction Human-Centered
Innovation*

*Introduction and Overview of the UCD
Process*

12:00 – 12:15

Warm-Up Exercise

12:15 – 1:00

*Introduction to Inspiration: Patient
and Physician Observations*

Observation Methods

1:00 – 2:00

Lunch

2:00 – 3:00

*Introduction to Ideation: From
Insights to Brainstorming*

*Session 1 : Heuristic / Expert Review
Session 2 : Formative Usability Testing*

3:00 – 3:15

Break

3:15 – 4:15

Introduction to Prototyping

Validation Usability Testing

4:15 – 4:45

Reflection + Discussion

4:45 – 5:00

Workshop Evaluation + Next Steps

5.00

Adjourn

5.15 – 8.00

*Informal Gathering @ Dogfish Head Alehouse 800 West Diamond Avenue
Gaithersburg, MD 20878 – on your own*