Smart and Connected Health Care: An Implementer’s Perspective

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What is UW Health?

UW Health is the integrated health system of the University of Wisconsin-Madison serving more than 600,000 patients each year in the Upper Midwest and beyond with 1,400 physicians and 16,500 staff at six hospitals and 80 outpatient sites.

UW Health is governed by the UW Hospitals and Clinics Authority and partners with UW School of Medicine and Public Health to fulfill their patient care, research, education and community service missions.

UW Health Madison Hospitals
- University Hospital
- American Family Children’s Hospital
- UW Health at The American Center
- UW Health Rehabilitation Hospital

UW Health Regional Hospitals
- SwedishAmerican Hospital, Rockford, IL
- Belvidere Medical Center, Belvidere, IL

UW Health Clinics
Throughout Wisconsin and Northern Illinois

UW Medical Foundation
UW faculty physician practice

UW Carbone Cancer Center
Comprehensive Cancer Center, designated by the National Cancer Institute (NCI)

Unity Health Insurance
One of the nation’s top health plans

University Health Care
Regional relationships and contracting

Joint Ventures and Affiliations
Cancer centers, surgery centers, dialysis programs, home health, infusion and many other programs and services
CMIO

- Drive Innovation
- Select and Implement Systems
- Provide the Clinical Perspective
- Create Value
Patient Centered

Focused on Wellbeing

Proactive
Patient Centered
Proactive
Challenges

- Privacy and security concerns
- Access to technology
  - Socioeconomic variation
  - Age group differences
- Disparate data sources
- Lack of key pieces of data (e.g. social determinants)
- Reliance on structured data
- Enormity of data, little information
- Adoption and acceptance
Questions for Engineering

• How do we effectively engage patients of all ages and from a broad range of cultural and socioeconomic backgrounds?
• How do we move away from structured data collection methods (patient surveys and questionnaires) to more narrative story telling?
• Where and when in the clinician workflow do we present data and insights so that they can be used effectively?
• Once insights are identified, how do we effectively scale interventions at a population health level?
• How do we ensure that technology is user centered in its designed?
Focused on Wellbeing
On Wisconsin!