HARVARD MEDICAL SCHOOL

Using mobile technologies for supporting frail elders and family caregivers and collecting real-world patient report outcomes

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Abstract of Talk

A growing proportion of the United States population is over 65 years of age and living longer, with increasing medical care needs. Longevity creates new information and communication needs for families to coordinate the care of their parents. Increasingly, families find it challenging to coordinate care for their frail older family members and support their medication management. This presentation will report on the findings of InfoSAGE, an online private social network with tools for communication and care coordination for elders and their families. The aims of InfoSAGE are: 1) To establish the feasibility of the use of an online platform by elders, families, and their caregivers for information exchange and care coordination; 2) To understand communication patterns between elders and their online care network; 3) To understand the usability challenges involved in medication management using mobile apps. We will describe the design and usage of InfoSAGE by family networks. We will discuss strategies for using mobile apps to collect patient-reported outcomes and increase underrepresented populations in clinical trials. The challenges to rapidly deploying a mobile app that can be accessible and usable by people at all levels of literacy for public health needs during pandemics will be discussed.

Biography

Yuri Quintana, Ph.D., is a global leader in developing and evaluating digital health systems. He is Chief of the Division of Clinical Informatics at Beth Israel Lahey Health and Assistant Professor of Medicine, Harvard Medical School, Harvard University. His research is focused on learning networks and clinical care collaboration platforms that empower patients, families, and health professionals. He is leading the development of InfoSAGE, a mobile app for home-based coordination (https://infosagehealth.org) for medication and symptom management. He created Alicanto Cloud (https://www.alicantocloud.com) an online platform for learning and collaboration used by health professionals at Harvard-affiliated hospitals such as Beth Israel Deaconess Medical Cancer to disseminate the best health care practices and virtual consultations. Alicanto is used at the Massachusetts Institute of Technology's JWEL Center for sharing best practices in education. As a Senior Scientist at Homewood Research Institute in Canada, he has developed new methods to evaluate digital mental health systems using evidence-based approaches. Previously, at St. Jude Children's Research Hospital, he developed Cure4Kids, a global pediatric cancer learning network used by thousands of health professionals, POND4Kids, an international cancer registry, and Cure4Kids for Kids, a mobile app promoting healthy lifestyles for children. Quintana was a principal investigator in the Canadian HealNet Research Network. He has held high-tech positions at IBM and Watcom. Quintana obtained his engineering degrees from the University of Waterloo in Electrical and Computer Engineering and Systems Design Engineering. More at http://www.yuriquintana.com and on Twitter at @yuriquintana. **Contact:**
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