



CHOT Quarterly Newsletter - Winter 2018

FEATURED NEWS

2018 Franz Edleman Award Finalist: GIT & Pediatric Heart Network



For more than four decades, winners of the INFORMS Franz Edelman Award have been recognized for transforming how we approach some of the world's most complex problems. The Franz Edelman competition attests to the contributions of operations research and analytics in both the profit and non-profit sectors. Researchers at the Georgia Institute of Technology in association with the Pediatric Heart Network have been recognized as one of six finalists for the 47th annual *Franz Edelman Award for Achievements in Operations Research and Management Science* for their innovations in clinical practice guidelines (CPG) for pre-, intra-, and post-surgical care of patients with congenital heart defects. By studying the nine leading U.S. pediatric centers, the researchers identified seven significant factors for influencing surgical outcome, and implemented a CPG that enables patients to be removed from breathing apparatuses earlier, lowered the rate of intubation, and decreased the time patients need to remain in the intensive care unit. These guidelines also realized a cost savings of 27%, which translates to \$13,500 per patient. All the authors will be inducted as Edelman Laureates on April 15, 2018.



There was a fantastic turn out for the Winter 2018 Conference Call held on February 6th, 2018 with twelve IAB members and fourteen CHOT faculty including directors and researchers in attendance. The call began with introductions and a recap of the new research themes developed at the Fall IAB meeting. Under the research themes of Population Health, Care Coordination, Access to Care, Analytics and Innovative Technology, and Patient Experience the CHOT faculty presented twenty-four potential projects for comment and discussion for the Spring. There was in-depth discussion between our Industry Advisory Board and CHOT researchers on the value of each project, suggestions on further development as we move into the Spring IAB meeting, and potential collaborative projects with multiple universities. Lastly, additional information regarding the Spring 2018 IAB meeting in Houston, TX was shared.



In response to feedback from our IAB and CHOT students, we began 2018 with the implementation of a new communications platform for students called the CHOT Slack Channel (or CHOT Slack for short). The CHOT Slack is an internet-based, collaborative platform, which enables private, real-time communications across large and geographically disperse organizations such as CHOT. In addition, the CHOT Slack has the ability to host both large, open forums and person-to-person communication for those participating in the channel. CHOT Slack is completely run by students and allows students across CHOT to collaborate on projects, share experiences, and relay career opportunities to other students at each university site. Students are a vital part of the CHOT organization and we are very excited to provide them with another avenue to contribute to their personal and professional success.

A Word from our IAB: Robert Bernstein with Avizia

This quarter we are delighted to highlight Dr. Robert Bernstein, the Vice President of Clinical Affairs at Avizia and one of our members at the University of Washington site. Formerly the VP of Clinical Affairs at Carena, Dr. Bernstein was present throughout the organization's merger with Avizia in October 2017 reinforcing Avizia's position as the largest and most comprehensive telehealth solutions partner for health systems nationwide. Dr. Bernstein has this to say on the merger:



“With the merger of Avizia and Carena into the new, larger Avizia we see tremendous opportunities from the synergy of combining the two companies. Carena's strength with a medical group and delivering high quality, patient initiated virtual care along with Avizia's success with hardware and software solutions to facilitate hospital and specialty telemedicine care, now allows Avizia to enable a suite of telemedicine services to enable systemwide telemedicine solutions. From a research standpoint with CHOT we see opportunities to expand beyond the focus of direct to consumer telemedicine projects to research other use cases and expansion of telemedicine to support population health and other initiatives as well.”

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RECENTLY PUBLISHED RESEARCH

Exploring Future Models of Primary Care for Texas



The US-healthcare delivery system is evolving from a reactive delivery model to a more coordinated and proactive model of care. Today, practice guidelines, chronic disease prevention, diagnostic and treatment technologies and an increasingly engaged population present the health care delivery model with a unique opportunity to reinvent itself. Primary care is a key player in the future models of care and can be the anchor of an effective healthcare delivery model. Primary care providers are now pursuing strategies to engage patients earlier and more often by using innovative technologies. The purpose of this study was to identify best practices

for innovative primary care models (IPCM) and to describe a potential future primary care model for Texas to address the burden of chronic disease in a population-based approach.

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UPCOMING EVENTS

Spring 2018 IAB Meeting
April 12 & 13, 2018
Red Oak Ballroom at City Centre in
Houston, TX



Details can be found on the [CHOT website](#) including registration and accommodations.



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