



Yale Center for Biomedical Data Science

CBDS Digital Health Series

“Sport and Fitness Wearable Industry Stakeholder Panel: Improving Interoperability, Health Record Integration, Quality Assurance, and Data Standardization”

Wednesday, September 16, 2020

10 a.m. to 11 a.m. USA eastern time (2 p.m. to 3 p.m. GMT)
Virtual Panel

- **Lauren Grieco, Google Health**, User Experience Research Lead for Advanced Technology & Behavior Change
- **Kate Lyden, VivoSense**, Lead Scientist for advancing clinical research with wearable sensor analytics and AI
- **David DiFabio, Polar USA**, National Accounts Manager

The United States Food and Drug Administration regulates wearable devices used to diagnose or treat health conditions; however, no equivalent regulation exists for consumer sport and fitness trackers. The **International Federation of Sports Medicine** is advocating for a global standard for sport and fitness trackers to standardize data collection and reporting processes. This would meet multiple pressing needs: 1) quality assurance related to accuracy, privacy, and best practices for data interpretation and presentation to consumers; 2) combine the big datasets that wearable sensors generate to conduct larger research studies (analogous to the National Institutes of Health genomic data repositories); 3) sync wearable sensor data with the electronic health record so that they become better integrated in patient care; and 4) allow wearable devices to sync with each other (i.e., inter-operate) to offer unique health insights (e.g., the impact of exercise upon infectious disease risk). A major obstacle, however, is lack of the opinion of those in the wearables industry, knowledge of whether manufacturers would consider joining it, and what factors would influence their decision. The purpose of this panel is for researchers to solicit these *perspectives* from manufacturers. Proceedings will be rebroadcast at an additional stakeholder venue (**American College of Sports Medicine New England Regional Chapter Annual Meeting**) and published in a peer-reviewed journal, following up last year's (<https://doi.org/10.1249/jsr.0000000000000680>).

To receive the Zoom login, please register at this link: <https://sportfitnesswearablestakeholderpanel.eventbrite.com>

If you would like to discuss the event beforehand, please email the moderators:
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