

## IOTaB Healthcare Ad-Hoc Group

### Overview

- Ad-Hoc Group Members: Maria R., Dan C., Mike B., Ann M.
- Advisor: Barbara C.
- Kickoff Meeting Held: Fri, Feb 17 12noon-1pm Eastern
- Attendees: Maria R., Barbara C., Ann M.
- Overall Focus Areas for Discussion: Barriers of IOT Adoption, Achieving Overall IOT Value

### Section Outline

- I. Definition of IOMT, IOT
  - What's included but also what's excluded
  - Criticality and triage
  - Operational (OT) (air handlers, sterilization) vs. (printers, computers)
- II. Cybersecurity and Privacy
- III. Asset Inventory & Management
- IV. Device Lifecycle Management
- V. Validation from Device Manufacturers
- VI. Standards Development and Adoption – Connectness, inconsistent UI across devices, algorithms and AI
- VII. Brand and device change ease
- VIII. Station to Bedside to Virtual (Telehealth) to Home to Car/Vehicles
- IX. Mobile Apps & Tracker – HIPAA protection
- X. Provider Portals
- XI. Data Feeds to/from IOMT
- XII. B2C, B2B, B2G
- XIII. Data at Risk
  - Device data, PII, identify and access management, medical, health, genomic, encryption, protection, bugs, customer support, technical or access or UI issues, claims
- XIV. Education
  - Understanding the device, its purpose and use for consumer, staff, family members

### Proposed Speakers for IOTAB Meetings

- Dina Katabi, MIT Professor <https://www.linkedin.com/in/dina-katabi-19653a/>

## **Background Material and Readings**



CTA 5G Health IoT  
White Paper Dec 2020

Source: <https://shop.cta.tech/products/impact-of-5g-and-iot-on-health-care-and-accessibility>



CR Reproductive  
Health Apps A Digital

Source: <https://digital-lab.consumerreports.org/2020/08/17/reproductive-health-apps-a-digital-standard-case-study/>



CR Peace of Mind  
Mental Health App Pri

Source: [https://advocacy.consumerreports.org/wp-content/uploads/2020/12/CR\\_mentalhealth\\_full-report\\_VF.pdf](https://advocacy.consumerreports.org/wp-content/uploads/2020/12/CR_mentalhealth_full-report_VF.pdf)



MIT Ambient  
Intelligence Healthcare

Source: MIT Wireless Lab, Dr. Katabi