Refocusing Research in Health Sensing

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Supporting Healthy Communities through Physiological, Behavioral, and Environmental Sensing
Moving Beyond Traditional Physiological Sensing

• Currently a lot of focus on variants to sensing the same signal (e.g., heart rate monitoring)

• Issues with reliability and robustness

• Continuous captures includes both time and space
Need for Holistic Sensing Approaches

• Develop a more complete picture to assess one’s health

• New signals of interest and new opportunities for sensing (e.g., environmental, social)

• Leverage opportunistic sensing and passive approaches

• Role of IoT devices
Translational Support

- Support for sensor integration platform development and tools

- A gap remains for supporting feasibility studies of emerging sensing approaches (e.g., falls between basic science and clinical validation)