



FEATURED JH AITC GRANT YEAR 1 AWARDEE:

Combining Real-Time Location (RTLS), device usage, and pattern recognition algorithms, the patented Sovrinti, Inc. system continuously monitors older adults’ behavior patterns and associated caregiver assistance levels. Sovrinti sensors use no audio or video, require no user interaction, and operate in the background in conjunction with everyday devices in older adults’ living environments. From the 24/7 data, changes in physical and cognitive status are identified over timescales ranging from days to years. As part of the JHU A2 Collective, Sovrinti is applying various AI techniques against 1500 months of data from their recently completed NIA Phase II SBIR program (R44AG065118) to accurately predict rising risk of acute health-related incidents. An example would be identifying a urinary tract infection before it progresses to a fall or a hospitalization. With the Sovrinti system, care providers will be able to proactively identify and intervene in the case of rising risk to support older adults’ aging in place. For more information and various case studies, see www.sovrinti.com.

LET'S HEAR FROM THE STAKEHOLDERS:

In a recent conversation with Fred Murphy, a clinical specialist in geriatric physical therapy in the Department of Rehabilitation Services in the Division of Geriatric Medicine and Gerontology at JHBMC, he stated that AI and technology can best assist older adults if the needs of the older adults or their caregivers are considered before proposed products, devices, or platforms are conceived and designed. He mentioned cost to the consumer as a consideration and advised that senior centers be identified as a source of information for needs assessment. He mentioned that many older adults do not have access to the internet or even to smartphones. He also recommended that products be developed for groups of seniors (in residential communities, for example) instead of just for individuals (who are living independently). Dee Fowlkes spent six years as a caregiver for a parent with dementia and when asked how AI and technology could have helped her, she responded, “Clone me.” She then explained that she couldn’t always keep an eye on her parent and it would have helped her to have a sensor that alerted her to his movements. She also commented that a class for older adults on how to avoid scams and the negative possibilities of AI would be useful. Lily Liu was also a caregiver for both of her parents, giving care from a long distance at times. She stated that family caregivers are often overwhelmed by the number of daily tasks related to the care they provide and that they could use help with repetitive tasks, safety issues, and in-language services. She feels that the key element in designing any assistive technology should be including the family caregiver from the initial idea through design to the finished product or service.

UPCOMING WEBINARS

For June, a prerecorded session is offered, featuring **Dr. Mathias Unberath** presenting **“Artificial Intelligence—What It Is and Why You Should Care.”**

It can be viewed at <https://aitc.jhu.edu/monthly-webinars/> or by scanning the QR code below.



UPCOMING EVENTS

Deadline for preliminary applications for the Third Annual a2 Pilot Awards:
July 31, 2023