

Older Adult Technology Preferences

Research suggests that older adults adopt technology for different reasons than younger adults. Although more older adults are becoming familiar with technology in their daily lives, many older adults still lag in technology adoption when compared with other adult populations. Understanding older adult technology preferences can help ensure that the products designed for older adults meet the expectations and preferences of the population.



Fall Detection Devices

Older adults were asked about their preferences and opinions on fall detection devices. I participated in the qualitative analysis of the transcripts of these focus groups.



Personal Health Records (PHRs)

My dissertation explores older adult, caregiver, and home health preferences on personal health record technology in home health care environments.

Robotic Technology



Adults, both older and younger, were asked to complete a survey about their perceptions of robotic technology in their everyday lives. I participated in collecting the data and analyzing the research to determine if there were significant differences in perceptions among older and younger adults.

Related Publications and Presentations:

- **Kneale, L.** Exploring Personal Health Records for Older Adults and Their Caregivers. 2016 Northwest Technology Conference presented by the Washington State Chapter of the Healthcare Information Management and System Society, 24 October 2016; Bellevue, WA.
- Backonja U, Hall AK, **Kneale L**, Lazar A, Cakmak M, Thompson H, Demiris G. Perceptions of the psychosocial impact of robots among young, middle-aged, and older adults: a cross-sectional study. *International Journal of Social Robots*. Under Review.
- Chaudhuri S, **Kneale L**, Le T, Thompson H, Demiris G. Older Adults' Attitudes toward Fall Detection Devices. Paper presented at the National Library of Medicine Informatics Training Conference; 17-18 June 2014; Pittsburgh, PA.
- Chaudhuri S, **Kneale L**, Le T, Phelan E, Rosenberg D, Thompson H, Demiris G. Older adults' perceptions of fall detection devices. *Journal of Applied Gerontology*. 2015 Jun 24; pii: 0733464815591211. [Epub ahead of print].