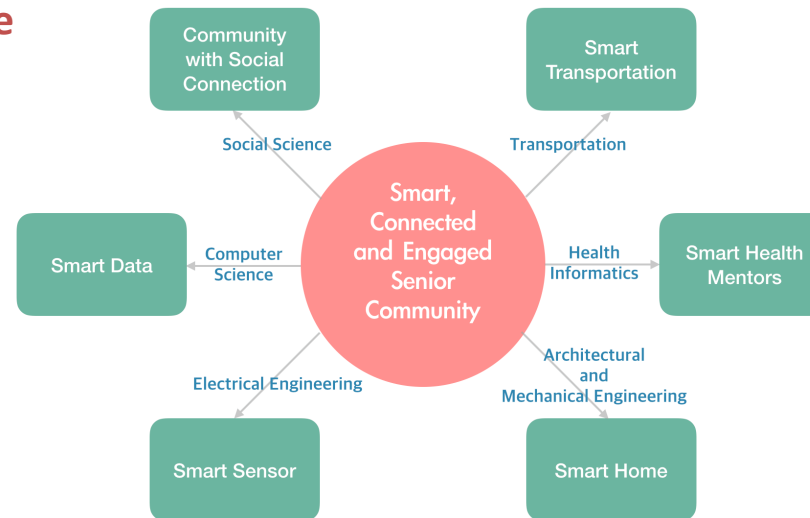


2018 NSF SMART AND CONNECTED COMMUNITIES

SCC-Planning: Smart, Connected, Engaged Senior Communities, CNS#1737454 Team: Wu (PI), Knopf, Talmage, Mirchandani, Candan, O'Neill and Sazonov, Wen

Project Aims & integrative research approach

- Understand challenges facing continuing care retirement facility residents via multi-disciplinary efforts across social science, computer science, and engineering
- Develop facility guidelines incorporating progressive ideas from social engagement, transportation, health, smart buildings, and sensor technologies
- Develop novel sensor and data management solutions embedded into the community cyberinfrastructure



Community engagement

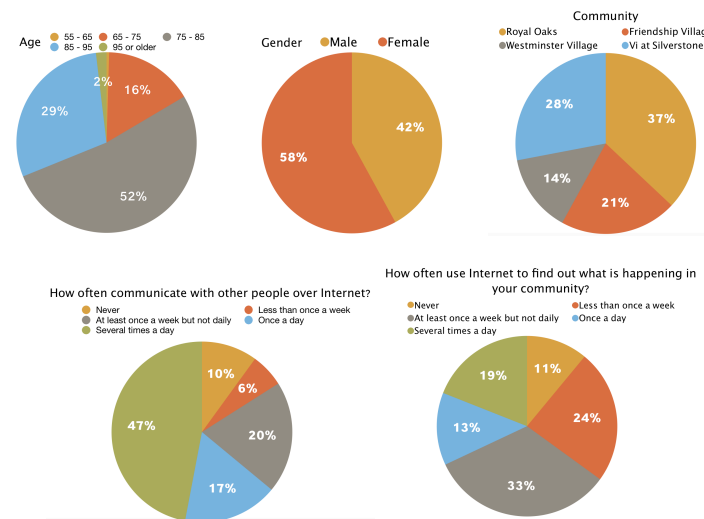
-Aging well with smart technology

- Outreached three non-profit senior communities and one profit senior community
- Presented research missions to the residences from all four communities
- Collected feedback from the residences about what their NEEDS



Status of the Project

- Outreached 4 communities
- Developed 33-questions questionnaire (delivered as online and on-ground)
- Conducted 8 onsite survey (2 for each community)
- Collected over 242 questionnaires



What's next

- Conduct data analysis on questionnaire
- Identify the social needs
- Identify the technological gap
- Develop innovative solutions for a "smart, connected, and engaged senior community" to reach the broader impact

