Thomas Jefferson University
Jefferson Digital Commons

Collaborative Research and Evidence shared Among Therapists and Educators (CREATE Day)

Department of Occupational Therapy

8-23-2016

Aging in Place: Technology and Independence for Community-Dwelling Older Adults

Mikael Avery, OTS
Thomas Jefferson University

Devon Barber, OTS
Thomas Jefferson University

Maggie Derstine, OTS
Thomas Jefferson University

Clarice Licon, OTS
Thomas Jefferson University

Follow this and additional works at: https://jdc.jefferson.edu/createday

 Part of the Occupational Therapy Commons

Let us know how access to this document benefits you

Recommended Citation

Avery, OTS, Mikael; Barber, OTS, Devon; Derstine, OTS, Maggie; and Licon, OTS, Clarice, "Aging in Place: Technology and Independence for Community-Dwelling Older Adults" (2016). *Collaborative Research and Evidence shared Among Therapists and Educators (CREATE Day).* Paper 49.
https://jdc.jefferson.edu/createday/49

This Article is brought to you for free and open access by the Jefferson Digital Commons. The Jefferson Digital Commons is a service of Thomas Jefferson University's Center for Teaching and Learning (CTL). The Commons is a showcase for Jefferson books and journals, peer-reviewed scholarly publications, unique historical collections from the University archives, and teaching tools. The Jefferson Digital Commons allows researchers and interested readers anywhere in the world to learn about and keep up to date with Jefferson scholarship. This article has been accepted for inclusion in Collaborative Research and Evidence shared Among Therapists and Educators (CREATE Day) by an authorized administrator of the Jefferson Digital Commons. For more information, please contact: JeffersonDigitalCommons@jefferson.edu.

Call for Papers

Title: Aging in Place: Technology and Independence for Community-Dwelling Older Adults

Author Block:
Mikael Avery, OTS, MArch, Thomas Jefferson University, Philadelphia, PA
Devon Barber, OTS, Thomas Jefferson University, Philadelphia, PA
Maggie Derstine, OTS, Thomas Jefferson University, Philadelphia, PA
Clarice Licon, OTS, Thomas Jefferson University, Philadelphia, PA

Primary Focus: Productive Aging

Learning Objectives:
By the end of this presentation, participants will be able to:

1. Explain the rationale for the use of technology-based interventions for community-dwelling older adults.
2. Describe three current technologies that can be used to positively impact occupational performance for community-dwelling older adults.
3. Describe the barriers to successful implementation of technology-based interventions for community-dwelling older adults.

Abstract:
The population of older adults in the U.S. continues to rise, as does the desire to remain in one's own home, a concept known as "aging in place" (Piau, Campo, Rumeau, Vellas, & Nourhashémi, 2014; Centers for Disease Control and Prevention, 2013). Age-related changes and chronic disabilities contribute to decreased independence in daily life tasks. Decreased independence and safety can often lead to institutionalization of older adults, raising overall healthcare costs (Centers for Disease Control and Prevention, 2013). Current research acknowledges technology as a feasible means of improving independence in everyday activities for community-dwelling older adults. The authors completed a replicable journal search to identify evidence for use of technology and the impact on occupational performance in community-dwelling older adults. A search using PubMed, CINAHL, and Ovid, with MeSH terms and keywords related to community-dwelling older adults, assistive technologies, and outcomes related to occupational performance in a variety of daily tasks yielded eleven articles. Articles were critically appraised using critical review forms developed by Law et al. (1998) and Letts et al. (2007) for quantitative and qualitative studies, respectively. This session will present the evidence, including increased task performance and reduced caregiver burden for older adults who utilized technology-based interventions. The studies were limited by poor research design, underdeveloped technology, and mixed acceptance of interventions. Despite the limitations, the findings provide pertinent and actionable research to occupational therapists, a group uniquely suited to implement these technologies to support independence amongst the aging population residing in the community.

Level of Material Being Presented: Introductory

Target Audience: Mixed

References

Centers for Disease Control and Prevention. (2013). The state of aging health in America 2013. Retrieved from http://www.cdc.gov/aging/data/index.htm

Law, M., Stewart, D., Pollock, N., Letts, L., Bosch, J., & Westmorland, M. (1998). *Critical review form - quantitative studies.* Retrieved from www.jefferson.blackboard.com

Letts, L., Wilkins, S., Law, M., Stewart, D., Bosch, J., & Westmorland, M. (2007). *Critical review form - qualitative studies* (Version 2.0). Retrieved from www.jefferson.blackboard.com

Piau, A., Campo, E., Rumeau, P., Vellas, B., & Nourhashémi F. (2014). Aging society and gerontechnology: A solution for an independent living? *The Journal of Nutrition, Health, and Aging, 18*(1), 97-112.