



Safety in the Home

Last reviewed January 2021

Falls and Mobility

Interventions for Preventing Falls in Older People Living in the Community

https://www.cochrane.org/CD007146/MUSKINJ_interventions-preventing-falls-older-people-living-community

This Cochrane review examined the literature to establish which fall prevention interventions are effective for older people living in the community and included 159 randomized controlled trials. **(PAID ACCESS)**

Prevention of Falls in Older People Living in the Community

<https://www.bmj.com/content/353/bmj.i1419>

This review includes a summary of known risk factors for older adults and assessments strategies that can be used to assess fall risk. The authors discuss managing risks along with interventions to prevent falls in community dwelling older adults. **(PAID ACCESS)**

Cognitive Functioning, Subjective Memory Complaints and Risky Behaviour Predict Minor Home Injuries in Elderly

<https://pubmed.ncbi.nlm.nih.gov/29181769/>

The aim of this study was to investigate the roles of subjective memory complaints, cognitive functioning and risky behaviour as predictors of home injuries in healthy older adults. **(OPEN ACCESS)**

Safety of Older People at Home: An Integrative Literature Review

<https://pubmed.ncbi.nlm.nih.gov/31746103/>

This review used four dimensions of safety at home (physical, social, emotional and mental, and cognitive) to describe safety in the home of older adults. The review included 34 articles. **(OPEN ACCESS)**

Household Accessibility and Residential Relocation in Older Adults

<https://pubmed.ncbi.nlm.nih.gov/30388250/>

This study examined whether home environmental factors (indoor accessibility, entrance accessibility, bathroom safety features, housing type, and housing condition) were associated with relocations within the community and to care facilities. **(OPEN ACCESS)**

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Technology and Devices

Potential of Ambient Sensor Systems for Early Detection of Health Problems in Older Adults

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7373719/>

The aim of this study was to investigate the use of multimodal sensor systems combined with health-related data for the detection of clinically relevant health problems in older adults living at home, over longer time periods. (OPEN ACCESS)

Usability and Feasibility of Consumer-Facing Technology to Reduce Unsafe Medication Use by Older Adults

<https://pubmed.ncbi.nlm.nih.gov/30853507/>

This study's objective was to test the usability and feasibility of a mobile health technology designed to inform and empower older adults to consider the risks and benefits of anticholinergic medication. The authors discuss how this technology can be used to improve older adults' medication safety at home. (OPEN ACCESS)

How Can Technology Support Ageing in Place in Healthy Older Adults? A Systematic Review

<https://publichealthreviews.biomedcentral.com/articles/10.1186/s40985-020-00143-4>

This review identified technologies that facilitate independence at home and support aging in place for healthy older adults. The authors also explore methods in engagement with technology for older adults. (OPEN ACCESS)

Technology to Support Aging in Place: Older Adults' Perspectives

<https://www.mdpi.com/2227-9032/7/2/60>

This study aimed to identify older adults' perspectives of Ambient/Active Assisted Living and artificial intelligence technologies in their support of independent living. The study also gauged interest of participants in contributing to the technology design process. (OPEN ACCESS)

Other Sub-Topics

COVID-19 and Social Isolation: A Case for Why Home-Based Resistance Training Is Needed to Maintain Musculoskeletal and Psychosocial Health for Older Adults

<https://pubmed.ncbi.nlm.nih.gov/32796139/>

Due to public health guidelines suggesting people stay at home, older adults may have reduced physical capacities. This study assessed options to minimize many of these side effects of stay-at-home guidelines. Recommendations on how older adults can safely and effectively perform progressive home-based resistance training are provided. (PAID ACCESS)

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Prevalence of Potentially Serious Alcohol–Medication Interactions in Older Adults in a Community Pharmacy Setting: A Cross-Sectional Study

<https://bmjopen.bmj.com/content/10/8/e035212>

This study aimed to estimate the prevalence of potentially serious alcohol-medication interaction among community-dwelling older adults. This study used dispensing data from the community pharmacy setting. **(OPEN ACCESS)**