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## Transportation and Older Adults

Last reviewed August 2023

### ***“If I Had a Regular Bicycle, I Wouldn’t Be Out Riding Anymore”*: Perspectives on the Potential of E-Bikes to Support Active Living and Independent Mobility Among Older Adults in Waterloo, Canada**

<https://www.sciencedirect.com/science/article/abs/pii/S0965856418300016>

This qualitative study explores the potential for e-bikes to support independent mobility and active aging among the older adult population in Canada's auto-dependent context. The findings highlight the importance of cycling life histories, social connection, and physical limitations to adopting cycling later in life. (OPEN ACCESS)

### **The Association Between Public Transportation and Social Isolation in Older Adults: A Scoping Review of the Literature**

<https://www.cambridge.org/core/journals/canadian-journal-on-aging-la-revue-canadienne-du-veillissement/article/association-between-public-transportation-and-social-isolation-in-older-adults-a-scoping-review-of-the-literature/56D5466C9EDCEEA145240811BF3A1C8>

Inadequate public transportation was recognized as a barrier to social participation, especially for older adults in rural communities and with mobility issues. The purpose of this scoping review was to make recommendations for further research and to summarize areas for improvement identified in the literature that will aid in developing public transportation initiatives that can better address social isolation for older adults. (OPEN ACCESS)

### **To Drive or Not to Drive: Driving Cessation Amongst Older Adults in Rural and Small Towns in Canada**

<https://www.sciencedirect.com/science/article/pii/S0966692319307732>

For policymakers to respond effectively to the transportation needs of an aging population, particularly those living in rural areas, they need to understand the travel behaviours of older adults living in such areas. This qualitative study explores older adults' driving-related challenges and needs in small towns and rural areas. (OPEN ACCESS)

### **Evaluation of Transportation Alternatives for Aging Population in the Era of Self-Driving Vehicles**

<https://www.sciencedirect.com/science/article/pii/S038611218301353>

This study analyzed older adults' acceptance of three transportation alternatives that utilize self-driving vehicles. In addition, older adults' travel behaviour and transportation needs were also assessed. (OPEN ACCESS)

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### How the Older Population Perceives Self-Driving Vehicles

<https://www.sciencedirect.com/science/article/abs/pii/S1369847818306168>

This study investigated older adults' perception of self-driving vehicles from the perspective of users and pedestrians. Five factors were measured to assess older adults' perception, including attitude, perceived usefulness, social norm, trust, and compatibility. (OPEN ACCESS)

### 'Mobility Work': Older Adults' Experiences Using Public Transportation

<https://www.sciencedirect.com/science/article/abs/pii/S096669232100274X>

This paper focuses on public transport accessibility, disabling spaces, and older adults' mobility by highlighting the 'mobility work' they complete to meet their daily travel needs. (OPEN ACCESS)

### E-Bikes Among Older Adults: Benefits, Disadvantages, Usage, and Crash Characteristics

<https://link.springer.com/article/10.1007/s11116-018-9919-y>

This study examines e-bikes' purchase reasons, benefits and disadvantages, purposes and amount of use, substitution effects, and crash characteristics among older e-bike users. Additionally, it looks at the differences between males and females. (PAID ACCESS)

### Exploring the Impact of Public Transport Including Free and Subsidised on the Physical, Mental, and Social Well-being of Older Adults: A Literature Review

<https://www.tandfonline.com/doi/abs/10.1080/01441647.2021.1872731>

Active transport is an ideal opportunity to increase older populations' physical and social well-being. This literature review investigates the impact of public transport on the health and well-being of older adults and discusses policy implications. (PAID ACCESS)

### Using Automated Vehicles Technologies with Older Adults: A Mixed- Methods Study

<https://pubmed.ncbi.nlm.nih.gov/35352987/>

Automated driving technologies may improve community mobility, engagement, and independence when an older adult's driving ability declines. This study examined older Australians' perceptions and experience of automated vehicle technologies before, during, and after a real-life driving experience, focusing on ease of use, usefulness, safety, acceptance, trust, and confidence. (PAID ACCESS)

### Accessibility by Public Transport for Older Adults: A Systematic Review

<https://www.sciencedirect.com/science/article/pii/S0966692322001314/>

Accessibility, the ease of reaching destinations through a transport network, holds great potential to help foster equitable and sustainable cities. This paper presents a systematic review of the literature on older adults' accessibility using public transport. (OPEN ACCESS)

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### Solutions to the Challenge of Meeting Rural Transportation Needs: Middle-Aged and Older Adults' Perspectives

<https://pubmed.ncbi.nlm.nih.gov/30727857/>

This study aimed to explore how the aging population in Appalachia, Kentucky manages its transportation and plans to transition to non-driving and to seek possible solutions to the challenge of meeting rural transportation needs. (PAID ACCESS)

### Importance of Driving and Potential Impact of Driving Cessation for Rural and Urban Older Adults

<https://pubmed.ncbi.nlm.nih.gov/31022317/>

This study aimed to compare older drivers from urban, suburban, and rural areas on the perceived importance of continuing to drive and the potential impact that driving cessation would have on what they want and need to do. (PAID ACCESS)

### Transportation and Aging: An Updated Research Agenda to Advance Safe Mobility Among Older Adults Transitioning from Driving to Non-Driving

<https://academic.oup.com/gerontologist/article/59/2/215/4056166?login=false>

This article reviews transitioning to non-driving and maintaining mobility after driving has ceased while identifying future research in these areas. (OPEN ACCESS)

### The Relationship Between Perceived Built Environment and Cycling or E-Biking for Transport Among Older Adults- A Cross-Sectional Study

<https://pubmed.ncbi.nlm.nih.gov/35503760/>

The built environment is critical in promoting active mobility for healthy aging. This study investigated the association of older adults' perception of attributes of the built environment with cycling and e-biking for transport. (PAID ACCESS)