Ageing and mobility: accessibility and mobility options

A brief insight into three PhD projects at Transport and Roads in conjunction with CASE

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CASE, Lund University

Transport and Roads

FACULTY OF ENGINEERING, LTH

Research focus:

traffic safety; sustainable transport; urban transport; mobility and accessibility for older people and disabled people; intelligent vehicles.

CASE

Research focus:

older people at the individual, group, and population levels; environments that support health, activity and participation.
PhD projects to be presented today

1. **Ongoing project (estimated completion: spring 2018):**
   Everyday mobility opportunities among older persons in Sweden’s large metropolitan regions: A focus on public transport
   
   *Jean Ryan; Anders Wretstrand; Steven Schmidt*

2. **Ongoing project (estimated completion: spring 2016):**
   A ten year development of accessibility in the outdoor environment: Older people's perspective and municipal challenges
   
   *Berglind Hallgrimsdottir; Agneta Ståhl; Helena Svensson; Hanna Wennberg*

3. **Completed project (completed spring 2014):**
   Outdoor Mobility, Place and Older People: Everyday Mobilities in Later Life in a Swedish Neighbourhood
   
   *Vanessa Stjernborg; Agneta Ståhl; Mekonnen Tesfahuney; Anders Wretstrand*
Ongoing PhD Project

*estimated completion: spring 2018*

Everyday mobility opportunities among older persons in Sweden’s large metropolitan regions: A focus on public transport

Jean Ryan; Anders Wretstrand; Steven Schmidt
PhD project composition

• **Part I:** Exploring public transport as an element of older persons’ mobility: A Capability Approach perspective

• **Part II:** Mobility opportunities among older persons: A focus on freedom and choice

• **Part III:** The selection of mobility options among older persons: Comparing Sweden’s large metropolitan regions

• **Part IV:** Individual time versus collective time: The position of older persons in the public transport system
Metropolitan regions

Stockholm, Gothenburg and Malmö large metropolitan regions:

**Population:**

- **Stor-Stockholm**
  - Total: 2,198,044
  - 65-79: 260,812
  - 12%

- **Stor-Göteborg**
  - Total: 970,912
  - 65-79: 121,240
  - 12.5%

- **Stor-Malmö**
  - Total: 687,481
  - 65-79: 86,870
  - 12.6%

Sources: Statistics Sweden, 2005; Statistics Sweden, 2014
# Project details

<table>
<thead>
<tr>
<th>Part of dissertation</th>
<th>Type of method</th>
<th>Study area</th>
<th>Data source</th>
<th>Sample size</th>
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| Part I               | Quantitative   | Stockholm's large metropolitan region | • National travel survey (RVU 2011-2013)  
• Register data (SCB 2011) | N=1181  
Age range: 65-79 | Complete/published |
| Part II              | Quantitative   | Stockholm, Gothenburg and Malmö large metropolitan regions | • Large scale survey (telephone interviews)  
• Indicator mapping | N=1150  
Age range: 65-79 | Data collection underway |
| Part III             | Quantitative   | Stockholm, Gothenburg and Malmö large metropolitan regions | • Large scale survey (telephone interviews)  
• Indicator mapping | N=1150  
Age range: 65-79 | Data collection underway |
| Part IV              | Qualitative    | One group living in one large metropolitan region | • Qualitative interviews  
• Travel diaries | Undecided  
Age range: 65-79 | Design stage |
For further information:

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Ongoing Research Project

estimated completion: spring 2016

A ten year development of accessibility in the outdoor environment:
Older people's perspective and municipal challenges

Berglind Hallgrimsdottir; Agneta Ståhl; Helena Svensson; Hanna Wennberg
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<th>Paper 1</th>
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Overall results

- **Interventions** in the outdoor environment give **good effects**, even for an aging population.
- Interventions benefit **those who are most vulnerable** (those who have functional limitations and use mobility devices).
- Interventions give positive results. However, there is **need for constantly maintaining and improving the environment**.
For further information:

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Completed Research Project
completed spring 2014

Outdoor Mobility, Place and Older People: Everyday Mobilities in Later Life in a Swedish Neighbourhood

Vanessa Stjernborg; Agneta Ståhl; Mekonnen Tesfahuney; Anders Wretstrand
Aim of the thesis

To offer an understanding of the everyday life mobilities outdoors among older persons from the perspective of place and social context.

The following aspects are taken into consideration:

• **physical** aspects (e.g. home neighbourhood)
• **social** aspects (e.g. social networks and social participation)
• **mental** aspects (e.g. place images, mental maps, fear of crime)
Study design

- Ethnographic study in an inner-city neighbourhood
- Case study in a suburb
- A survey study of older persons

- Paper I
- Paper II
- Paper III
- Paper IV
- Paper V
Papers


For further information:

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Thank you

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