No car - no job? Interaction between mobility and professional activities of people in rural areas





University of Natural Resources and Life Sciences Vienna Department of Landscape, Spatial and Infrastructure Sciences Institute for Transport Studies



FFG

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Wiebke Unbehaun, Tina Uhlmann, Prof. Regine Gerike Institute for Transport Studies BOKU Vienna

Outline

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Initial hypotheses

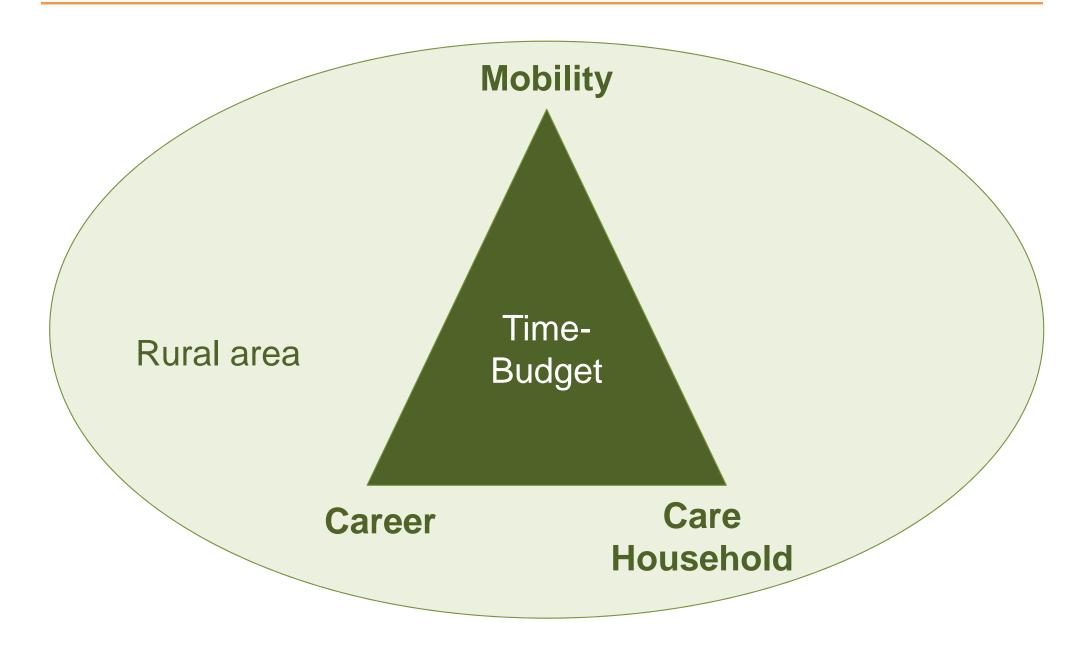
Situation:

- Worse access in rural areas
- Less job opportunities
- For people with care responsibilities:
- Taxi services children, not the right job, longer travel times

Effect:

- People do not work
- Work less
- Work under their qualification

Introduction



Goals



Analyse effects:

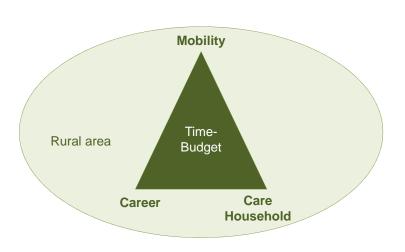
Trip patterns, care, job, coordination with others, measures

Formulate recommendations:

- For measures improving accessibilities, job opportunities
- Not only transport planning
- But also care facilities, shopping etc.

Target group:

- People in rural areas
- With care responsibilities
- Employed or with wish to work



Methodology

Computer assisted telephone interviews (CATI)

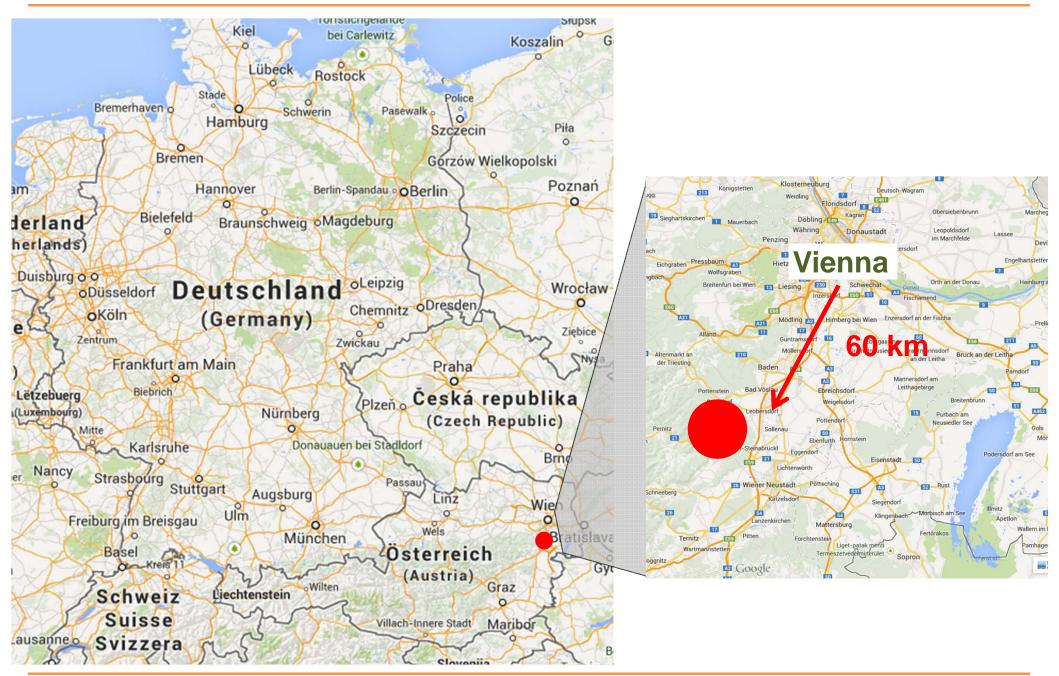
Sampling:

- 1700 randomly chosen addresses households with children (0-14 y.)
- 1700 randomly chosen addresses households without further information

Survey time:

- Every day from 9:00-12:00, 16:00-20:00
- 4 weeks in June/July 2013

Research area



Survey contents

Screening questions to identify persons from target group

Questions target persons:

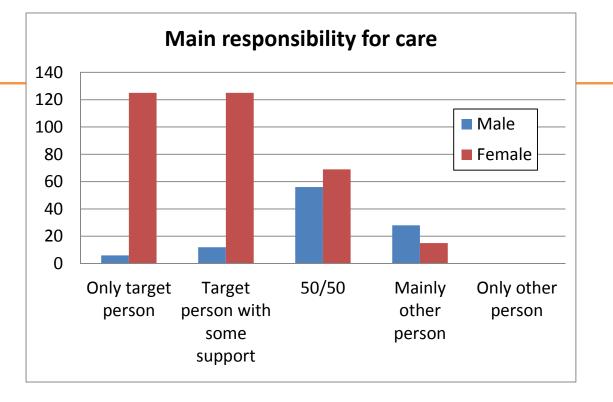
- Mobility behaviour
- Problems and wishes in the mobility system
- Degree and distribution of care responsibilities in families
- Availability of transport modes
- Degree of employment
- Wishes to be employed and information on potential jobs
- Attitudes concerning family and employment
- Trips for one diary day

The sample

Purchased	6,820
Phone number found	3,625
Contacted	2,281
Adress not valid/interview not finished/not reached after 7 calls/language problems	827
Interview refused	557
Not target group	503
Interview completed	475
Interview correct	436

The sample

24 % men, 76 % women



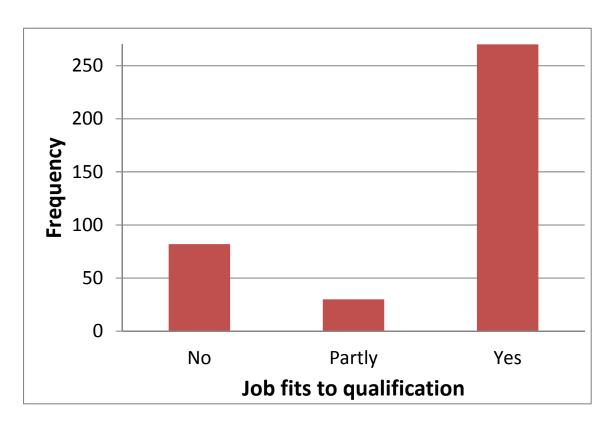
- Average age: 42 years
- Education: 21% Vocational school, 27% Matura, 10% university
- Mean household size: 3.9 persons
- Average number of persons to care for per household: 1.9
- 404 persons responsible for children, 32 for elderly or disabled persons
- 90 % with job or in education, 10 % without job
- 40 persons would like to work, 9 would like to start an education

Employment

- Mean working hours per week: 32.5 (median 32.0)
- Mean working days per week: 4.6 (median 5.0)
- 33.7% have flexible working hours, partly 17.2%, no flexibility 35.7%
- 60.2% work not at home, partly 15.8%, at home 10.9%

	Wish to work						
Current							
employment	Do not know	No	Either or	Job	Education	Both	
Nothing	0	1	0	39	5	0	
Employed	0	375	0	0	3	0	
Education	0	6	0	1	1	0	
Both	0	5	0	0	0	0	

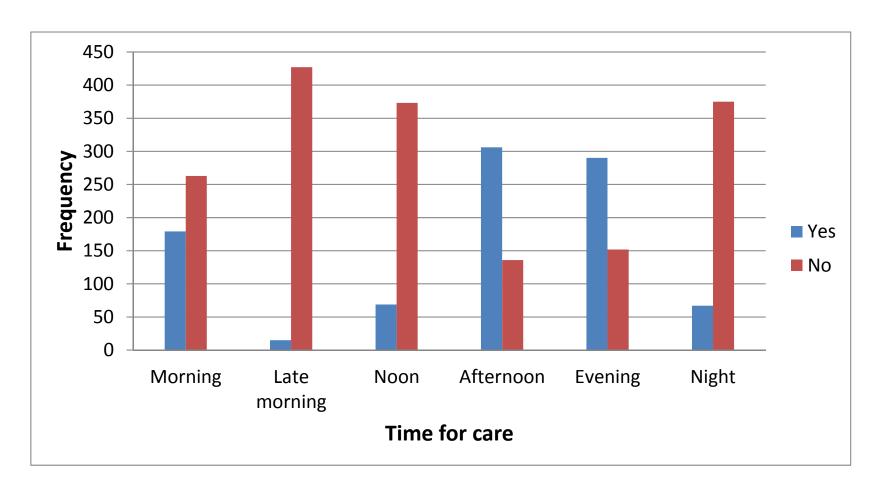
Employment and qualification



	Wish to work						
Job fits							
qualification	Do not know	No	Either or	Job	Education	Both	
No	0	82	0	0	0	0	
Partly	0	29	0	0	1	0	
Yes	0	267	0	1	2	0	

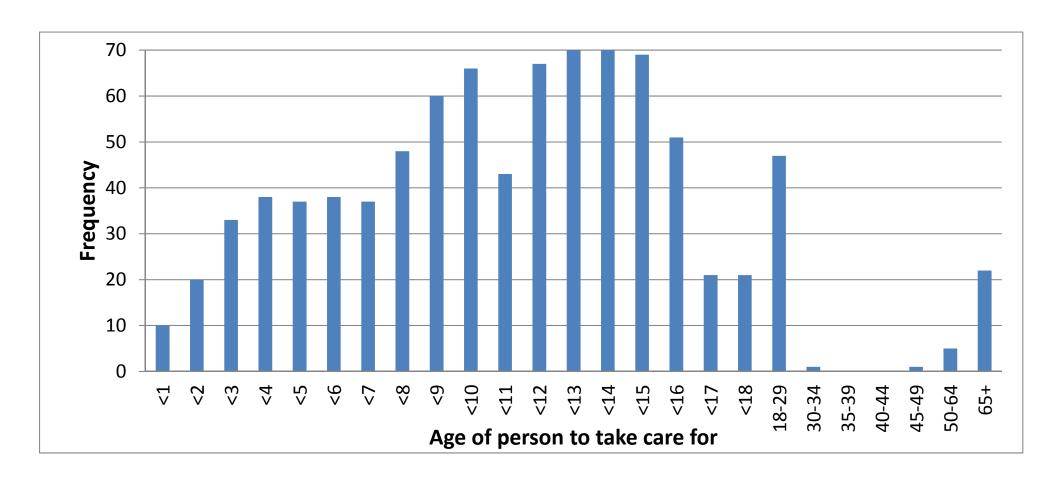
Care

- Mean care time: 7.7 hours per week (median 6 hours)
- Main time for care: 28.8% whole day, 70.2% one to three periods of care



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Back to our initial hypotheses

Situation: Okay

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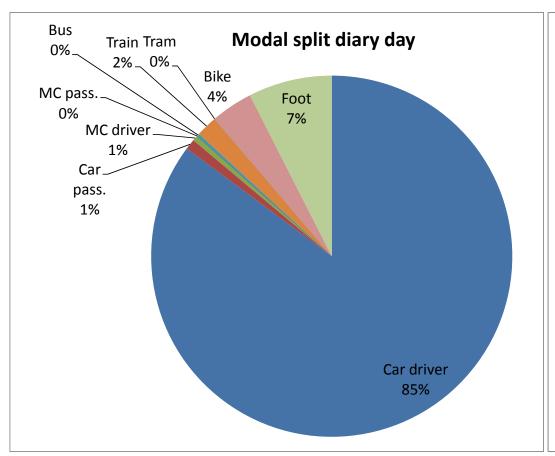
Effect: Not the case: People work and care.

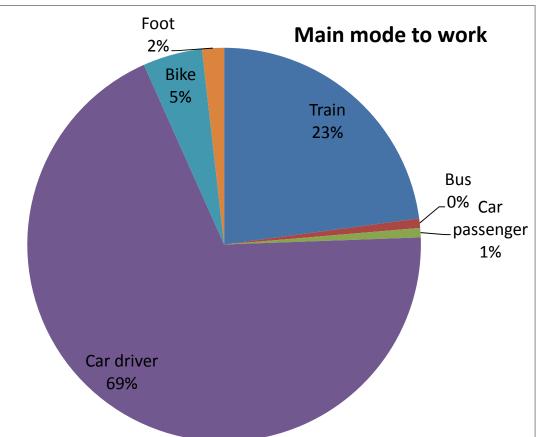
- People do not work
- Work less
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Sample shows how parents re-start their job after having children.

How do they manage to work and to care in rural areas?:

- No immobile people on diary day
- Mean number of trips diary day 4.5 (median 4.0)
- Mean daily trip time diary day 80 min (median 65 minutes)

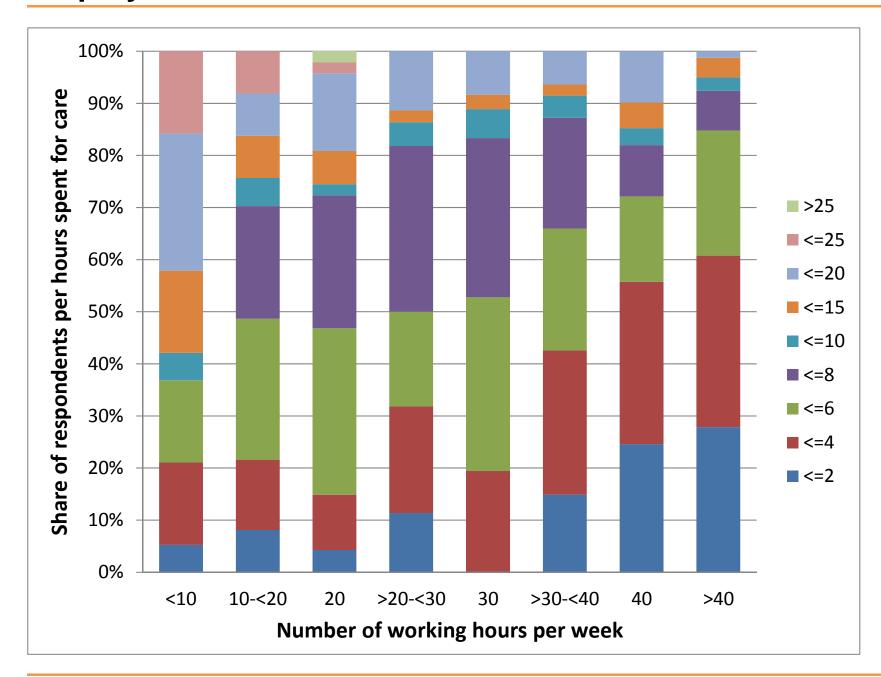




How do they manage to work and to care in rural areas?:

- No immobile people on diary day
- Mean number of trips diary day 4.5 (median 4.0)
- Mean daily trip time diary day 80 min (median 65 minutes)
- Main mode: car driver
- Car availability 93,2% always, 5.9% sometimes, 4 cases never
- Mean number of cars per household 1.9 (median 2.0)
- Car pooling, taxi, sharing cars with neighbours quite often used

Employment and care



Coordinate with others

- 75% coordinate care tasks with somebody else
- Mainly with spouse, grand parents
- 54.8% report varying care time, depending on:
- Own work (24.4%), schedules children (11.5%), availability of other persons

Next steps, questions

- Trip patterns in more detail (purposes, accompanying persons, times of the trips etc.)
- Clustering techniques to find typical groups (employment, care, mobility) and their mobility needs
- Analyse influence care, job → mobility

Write next proposal:

- How to improve screening questions?
- Ask in more detail for the social networks of the persons?
- Compare rural and urban areas?







Thank you for your attention!

University of Natural Resources and Life Sciences Vienna

Institute for Transport Studies Wiebke Unbehaun









