HEALTH - COMFORT - SELF-ESTEEM Loneliness and ICT-use

P.E.W. VAN DEN BERG, A.D.A.M. KEMPERMAN, C.G.J. UYTDEWILLEGEN, M. WEIJS-PERRÉE. Loneliness, residential environment, mobility, and ICT-use among elderly. Gerontechnology 2016;15(suppl):147s: doi:10.4017/qt.2016.15.s.639.00 Purpose A major challenge with respect to an aging society is to maintain quality of life of the elderly and to prevent them from feelings of loneliness. The purpose of this study is to investigate the factors that affect feelings of loneliness. Thus far, the effect of mobility and the living environment on loneliness have been largely overlooked¹. In this study we take into account the possible effects of personal and household characteristics, characteristics of the residential environment, mobility and use of communication technology. **Method** For this study survey data were collected in 2015 in the Netherlands. The sample consists of 184 elderly aged 65 and over (44% males, 56% females). Loneliness was measured using a 6-item scale². The item scores were summed to a total score, with a mean of 14.4 and a standard deviation of 4.5. We used a stepwise linear regression model to analyse the factors that affect loneliness. Results & Discussion The results suggest that elderly with a low income and recently widowed elderly are likely to be lonelier. People with a relatively large social network are less lonely. With respect to the residential environment we find that elderly living in an apartment are less lonely. This might be explained by the fact that in an apartment people have fellow residents they can socialize with. On the other hand, people in rural areas also tend to be less lonely. This can be explained by the fact that in rural areas stronger local networks still exist³. Social cohesion and residential satisfaction are also related to feeling less lonely. With respect to mobility, the GARS score (Groningen Activity Restriction Scale)⁴ appears to have the strongest effect on loneliness. People who are more restricted in their daily activities tend to be lonelier. Finally, the results indicate that elderly who use a tablet at least once a month are less lonely. These results are relevant for health care and urban policy makers who aim to improve quality of life of the aging population.

References

- Berg PEW van den, Kemperman ADAM, Kleijn B de, Borgers AWJ. Ageing and Ioneliness: the role of mobility and the built environment. Travel Behaviour and Society 2015;5:48-55; doi:10.1016/j.tbs.2015.03.001
- Jong Gierveld J de, Tilburg TG van. A 6-item scale for overall, emotional, and social loneliness: Confirmatory tests on survey data. Research on Aging 2006;28(5):582-598; doi:10.1177/0164027506289723
- 3. Fischer CS. To dwell among friends: personal networks in town and city. Chicago: University of Chicago Press; 1982
- Suurmeijer TP, Doeglas DM, Moum T, Briançon S, Krol B, Sanderman R, Guilemin F, Bjelle A, Heuvel WJ van den. The Groningen Activity Restriction Scale for measuring disability: its utility in international comparisons. American Journal of Public Health 1994;84(8):1270–1273; doi:10.2105/AJPH.84.8.1270

Keywords: mobility, loneliness, residential environment, ICT-use, elderly

Address: Eindhoven University of Technology,

Eindhoven, Netherlands

E: P.E.W.v.d.Berg@tue.nl

Table 1. Results of linear regression model on loneliness; B=regression coefficient; GARS= Groningen Activity Restriction Scale⁴

Parameter	В	р
Constant	22.43	0.00
Personal and household characteristics		
Large social network (≥6)	-2.35	0.00
Low income (<€1200 / month)	1.67	0.01
Partner passed away last year	3.26	0.00
Residential environment		
Lives in apartment	-1.87	0.00
Lives in rural area	-1.55	0.01
Low residential satisfaction	1.69	0.02
Perceived social cohesion	-0.35	0.00
Mobility		
GARS score	0.07	0.00
ICT-use		
Uses tablet	-1.42	0.02
Sample size	184	
Adjusted R ²	0.456	

2016