



## UvA-DARE (Digital Academic Repository)

### A different place to different people

*Conditional neighbourhood effects on residents' socio-economic status*

Miltenburg, E.M.

**Publication date**

2017

**Document Version**

Other version

**License**

Other

[Link to publication](#)

**Citation for published version (APA):**

Miltenburg, E. M. (2017). *A different place to different people: Conditional neighbourhood effects on residents' socio-economic status*. [Thesis, fully internal, Universiteit van Amsterdam].

**General rights**

It is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), other than for strictly personal, individual use, unless the work is under an open content license (like Creative Commons).

**Disclaimer/Complaints regulations**

If you believe that digital publication of certain material infringes any of your rights or (privacy) interests, please let the Library know, stating your reasons. In case of a legitimate complaint, the Library will make the material inaccessible and/or remove it from the website. Please Ask the Library: <https://uba.uva.nl/en/contact>, or a letter to: Library of the University of Amsterdam, Secretariat, Singel 425, 1012 WP Amsterdam, The Netherlands. You will be contacted as soon as possible.



# A DIFFERENT PLACE TO DIFFERENT PEOPLE

Conditional neighbourhood effects on residents' socio-economic status



**EMILY MILTENBURG**





A DIFFERENT PLACE TO DIFFERENT PEOPLE

© Emily Miltenburg, Amsterdam, 2017

Cover design: Anne Jansen.

Typesetting: This text was typeset by Emily Miltenburg using L<sup>A</sup>T<sub>E</sub>X and (a modified version of) classicthesis, a style developed by André Miede and inspired by Robert Bringhurst's *The Elements of Typographic Style*. Tables were typeset in L<sup>A</sup>T<sub>E</sub>X by Zink Typography ([www.zinktypografie.nl](http://www.zinktypografie.nl)).

Printed by Print Service Ede.

This research was funded by a Research Talent grant from the Netherlands Organisation for Scientific Research (NWO), grant number 406-11-038.

ISBN: 978-94-91602-87-0

# **A DIFFERENT PLACE TO DIFFERENT PEOPLE**

## **Conditional neighbourhood effects on residents' socio-economic status**

### **ACADEMISCH PROEFSCHRIFT**

ter verkrijging van de graad van doctor  
aan de Universiteit van Amsterdam  
op gezag van de Rector Magnificus  
prof. dr. ir. K.I.J. Maex

ten overstaan van een door het College voor Promoties ingestelde  
commissie, in het openbaar te verdedigen in de Agnietenkapel  
op vrijdag 24 maart 2017, te 10:00 uur

door

Emily Marina Miltenburg  
geboren te Gouda

**Promotiecommissie:**

Promotor: prof. dr. H.G. van de Werfhorst Universiteit van Amsterdam

Copromotor: prof. dr. T.W.G. van der Meer Universiteit van Amsterdam

Overige leden: prof. dr. R. Andersson Uppsala University  
prof. dr. I.A. van Gaalen Universiteit van Amsterdam  
prof. dr. M. van Ham Technische Universiteit Delft  
dr. F.M. Pinkster Universiteit van Amsterdam  
prof. dr. B.G.M. Völker Universiteit van Amsterdam

Faculteit der Maatschappij- en Gedragwetenschappen







# CONTENTS

---

LIST OF PUBLICATIONS	XV
<b>1 INTRODUCTION</b>	<b>1</b>
1.1 The field studying neighbourhood effects . . . . .	3
1.2 Mechanisms to explain neighbourhood effects . . . . .	5
1.3 A different place to different people . . . . .	7
1.4 Research question . . . . .	9
1.5 Research approach . . . . .	9
1.6 Four empirical studies . . . . .	13
<b>2 THE CONDITIONALITY OF NEIGHBOURHOOD EFFECTS UPON SOCIAL NEIGHBOURHOOD EMBEDDEDNESS</b>	<b>21</b>
2.1 Introduction . . . . .	21
2.2 Theoretical grounds for neighbourhood effects . . . . .	25
2.3 Data and methods . . . . .	31
2.4 Results . . . . .	39
2.5 Discussion and implications . . . . .	40
<b>3 LINGERING AND TEMPORAL NEIGHBOURHOOD EFFECTS</b>	<b>53</b>
3.1 Introduction . . . . .	53
3.2 Theoretical grounds for a temporal dimension . . . . .	57
3.3 Data, measures and methods . . . . .	62
3.4 Results . . . . .	69
3.5 Conclusions . . . . .	78
<b>4 NEIGHBOURHOOD EFFECTS FOR DIFFERENT HOUSEHOLD CONFIGURATIONS OVER THE LIFE COURSE</b>	<b>83</b>
4.1 Introduction . . . . .	83
4.2 Theory . . . . .	85
4.3 Data and methods . . . . .	90
4.4 Results . . . . .	95
4.5 Conclusion and discussion . . . . .	104

5	SOCIO-ECONOMIC CONSEQUENCES OF FORCED RELOCATION	111
5.1	Introduction . . . . .	111
5.2	Theory . . . . .	115
5.3	Data . . . . .	120
5.4	Method: Difference-in-Difference with matching . . . . .	124
5.5	Matching and Descriptives . . . . .	131
5.6	Results . . . . .	134
5.7	Conclusion . . . . .	141
6	CONCLUSION	151
6.1	Summary of chapter findings . . . . .	153
6.2	Rethinking the mechanisms . . . . .	156
6.3	Avenues for future research . . . . .	158
6.4	Policy implications . . . . .	162
	BIBLIOGRAPHY	167
	DANKWOORD / ACKNOWLEDGEMENTS	185
	SAMENVATTING	189

## LIST OF TABLES

---

Table 1.1	Overview empirical chapters . . . . .	18
Table 2.1	Descriptive statistics of neighbourhood-specific social contacts and interactions . . . . .	35
Table 2.2	Descriptive statistics of individual-level variables	36
Table 2.3	Impact of neighbourhood deprivation index on income conditional upon social embeddedness in the neighbourhood . . . . .	41
Table A2.1	Testing the relationship between proxies and neighbourhood-specific contacts and interactions	45
Table A2.2	Factor loadings for index of neighbourhood deprivation . . . . .	46
Table A2.3	Continued from Table 2.3: individual-level control variables . . . . .	47
Table 3.1	Descriptives of each subsample . . . . .	66
Table 3.2	Random intercepts model of impact of exposure to deprived neighbourhoods on personal income in 2011 with various individual residential histories . . . . .	70
Table 3.3	Random intercepts model of impact of exposure to deprived neighbourhoods on personal income in 2011 (controlled for income at start residence spell) with various individual residential histories . . . . .	72
Table 3.4	Random intercepts model of impact of exposure to current neighbourhood in interaction with length of residence in current neighbourhood on personal income in 2011 (controlled for income at start residence spell) with various individual residential histories . . . . .	76

Table 3.5	Random intercepts model of impact of exposure to previous neighbourhood interacted with (a) length of residence in the current neighbourhood of residence and (b) time elapsed since leaving this previous neighbourhood of residence (controlled for income at start residence spell) . . . . .	77
Table 4.1	Individual-level variables . . . . .	93
Table 4.2	Measures used for the index of neighbourhood deprivation . . . . .	94
Table 4.3	Descriptives . . . . .	96
Table 4.4	Association between neighbourhood's level of deprivation and transition to work (monthly) . . . . .	98
Table 4.5	Individual and neighbourhood effects on the transition to work (monthly) . . . . .	100
Table A4.1	Factor neighbourhood-level index of deprivation	107
Table 5.1	Pre-treatment characteristics on which main tenants are matched . . . . .	131
Table 5.2	Pre-treatment descriptives of forced relocatees and control group . . . . .	132
Table 5.3	Difference-in-Difference on neighbourhood deprivation index . . . . .	135
Table 5.4	Difference-in-Difference on logged primary income . . . . .	137
Table 5.5	Triple Difference on log primary income . . . . .	138
Table 5.6	Difference-in-Difference and Triple Difference . . . . .	140
Table A5.1	Measuring imbalance between treated and control observations . . . . .	144

## LIST OF FIGURES

---

Figure 2.1	The conceptual model . . . . .	31
Figure 4.1	Survival curve by gender . . . . .	95
Figure 4.2	Odds ratio per household configuration . . . . .	102
Figure 4.3	Predicted probabilities per inactivity status and household configuration for different scores on the neighbourhood deprivation index . . . . .	103



## LIST OF PUBLICATIONS

---

Parts of this dissertation have been published or are currently under review for publication elsewhere:

Miltenburg, E.M. (2015). The Conditionality of Neighbourhood Effects upon Social Neighbourhood Embeddedness: A Critical Examination of the Resources and Socialisation Mechanisms. *Housing Studies*, 30(2): 272-294 (chapter 2)

Miltenburg, E.M. and van der Meer, T.W.G. (2016). Lingering neighbourhood effects: A framework to account for residential histories and temporal dynamics. *Urban Studies*. Advance online publication. doi: 10.1177/0042098016639012 (chapter 3)

Miltenburg, E.M. and van de Werfhorst, H.G. (2016). Finding a Job: The Role of the Neighbourhood for Different Household Configurations over the Life Course. *European Sociological Review*. Advance online publication. doi: 10.1093/esr/jcw045 (chapter 4)

Miltenburg, E.M.; van de Werfhorst, H.G.; Musterd, S. and Tieskens, K. (2016). Socio-economic consequences of forced relocation. Early impacts of urban renewal strategies on forced relocatees' socio-economic outcomes. Submitted to an international academic journal (chapter 5)