

Table of contents

Preface.....9

Introduction

Gabriele Doblhammer 11

1 Introduction 11

2 Vanguard groups 12

3 Determinants of health and causal pathways 14

4 Migrant health 15

5 The articles in detail 16

 5.1 Subjective health, disability, dementia, and depression 16

 5.2 Long-term care in Germany 17

 5.3 Migrant health in Germany 20

References 21

Welfare state and disability. The relationship between stroke and disability depends on the health care system

Alexander Barth, Gabriele Doblhammer, Dorly J. H. Deeg..... 23

1 Introduction 23

 1.1 State of research: health inequalities 24

 1.2 State of research: welfare and health care regime typologies 25

 1.3 Why investigate a disability gradient for stroke? 27

2 Data and methods 29

 2.1 Data 29

 2.2 Health outcome: ADL disability 32

 2.3 Determinants of health 32

 2.4 Methods 37

3 Results 40

4 Discussion 44

References 48

Spatial patterns of dementia prevalence and its vascular risk factors in Germany

Gabriele Doblhammer, Thomas Fritze, Stefan Teipel..... 51

1 Introduction 51

2 Data and methods 53

3 Results 55

4 Discussion 62

References 64

**Community, volunteering, and health in mid- and older adulthood:
Evidence from a longitudinal sample of the German Ageing Survey (DEAS)**

| | |
|---|----|
| Andreas Mergenthaler | 69 |
| 1 Introduction | 69 |
| 1.1 Volunteering and health of seniors..... | 69 |
| 1.2 Community characteristics and volunteering..... | 71 |
| 1.3 Community characteristics and health | 71 |
| 1.4 Aim of the study, etiological pathways, and hypotheses..... | 72 |
| 2 Methods | 75 |
| 2.1 Data | 75 |
| 2.2 Variables | 76 |
| 2.3 Statistical analysis | 77 |
| 3 Results | 78 |
| 3.1 Descriptive findings | 78 |
| 3.2 Multivariate results | 80 |
| 4 Discussion | 85 |
| References..... | 87 |

**Do education levels influence incidence and prevalence of long-term care
among the elderly in Germany? Evidence from the German Microcensus
Panel data (2001-2004)**

| | |
|--|-----|
| Olga Grigorieva..... | 91 |
| 1 Introduction | 92 |
| 2 Overview of the statutory long-term care system in Germany | 94 |
| 3 Data | 96 |
| 4 Methods | 98 |
| 5 Results | 99 |
| 5.1 Incidence in SLTC use..... | 99 |
| 5.2 Prevalence in SLTC use..... | 102 |
| 6 Discussion | 105 |
| References..... | 108 |
| Appendix 1 | 112 |
| Appendix 2..... | 113 |
| Appendix 3..... | 114 |

**Spatial patterns in German long-term care and their relationship
with socioeconomic factors**

| | |
|---|-----|
| Daniel Kreft..... | 115 |
| 1 Introduction | 115 |
| 2 Background | 116 |
| 3 Data | 118 |
| 4 Methods | 119 |
| 5 Results | 120 |
| 5.1 The county-level relationship between life expectancy and disability..... | 121 |

| | |
|---|-----|
| 5.2 Living context as a factor of spatial disability patterns | 123 |
| 6 Discussion | 130 |
| References | 134 |
| Appendix | 137 |

Dementia and long-term care – an analysis based on German health insurance data

| | |
|--|-----|
| Anne Fink | 139 |
| 1 Introduction | 139 |
| 2 Material and methods | 141 |
| 2.1 Study design and sample | 141 |
| 2.2 Validation of diagnoses | 142 |
| 2.3 Dependent variable: long-term care | 143 |
| 2.4 Medical and demographic variables | 143 |
| 2.5 Statistical analyses | 144 |
| 3 Results | 144 |
| 3.1 Descriptive results | 144 |
| 3.2 Model results | 146 |
| 3.3 LTC-free time after an incident dementia diagnosis | 149 |
| 4 Discussion | 150 |
| References | 153 |

Health inequalities of immigrants: Patterns and determinants of health expectancies of Turkish migrants living in Germany

| | |
|--|-----|
| Marie Carnein, Nadja Milewski, Gabriele Doblhammer, Wilma J. Nusselder | 157 |
| 1 Introduction | 157 |
| 2 Explanatory approaches concerning migrant health diversity | 159 |
| 2.1 The health advantage of migrants | 159 |
| 2.2 The health disadvantage of migrants | 161 |
| 2.3 Working hypotheses | 162 |
| 3 Data and methods | 164 |
| 3.1 Data | 164 |
| 3.2 Data quality | 166 |
| 3.3 Methods | 168 |
| 3.4 Limitations of health | 168 |
| 3.5 Determinants of health limitations | 169 |
| 4 Results | 171 |
| 4.1 Health expectancy | 171 |
| 4.2 Determinants of limitations in health | 173 |
| 5 Discussion and conclusion | 179 |
| 6 References | 185 |

| | |
|---|------------|
| Mental health among immigrants: Is there a disadvantage in later life? | |
| Nadja Milewski, Gabriele Doblhammer | 191 |
| 1 Introduction | 191 |
| 2 Background | 193 |
| 2.1 Theoretical considerations and previous research | 193 |
| 2.2 Working hypotheses | 196 |
| 3 Methods | 197 |
| 3.1 Data | 197 |
| 3.2 Variables | 198 |
| 3.3 Modeling strategy | 202 |
| 4 Results | 204 |
| 4.1 Mental health by origin | 205 |
| 4.2 The effect of control variables | 205 |
| 4.3 Sensitivity analyses | 206 |
| 5 Discussion | 206 |
| References | 209 |
| Authors | 213 |