



## UvA-DARE (Digital Academic Repository)

### Empirical essays on education and health

van Ewijk, R.J.G.

**Publication date**  
2009

[Link to publication](#)

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

van Ewijk, R. J. G. (2009). *Empirical essays on education and health*. [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.

# Contents

<b>1 Introduction</b>	<b>1</b>
<b>2 Long-term health effects on the next generation of Ramadan fasting during pregnancy</b>	<b>5</b>
2.1 Introduction.....	5
2.2 Background.....	7
2.2.1 Ramadan.....	7
2.2.2 Indonesia.....	8
2.3 Medical theory and evidence of the effects of Ramadan fasting during pregnancy on offspring's health.....	9
2.4 The data.....	14
2.5 Results.....	18
2.5.1 General health measure.....	18
2.5.1.1 General health effects on Indonesian Muslims.....	18
2.5.1.2 Non-Muslims.....	20
2.5.1.3 Selective timing of pregnancies.....	22
2.5.1.4 Subjective feelings of general health and sickness.....	25
2.5.2 Sex ratio.....	27
2.5.3 Generally non-severe health problems.....	29
2.5.4 Subjective indicators of coronary heart disease and diabetes among the elderly.....	32
2.5.5 Hypertension and anemia.....	34
2.5.6 Effects on weight and body size.....	36
2.5.7 Estimates on health of children by their parents.....	40
2.6 Discussion.....	40
Appendix 2.A.....	43
Appendix 2.B.....	49
Appendix 2.C.....	50
<b>3 Same work, lower grade? Student ethnicity and teachers' subjective assessments</b>	<b>59</b>
3.1 Introduction.....	59
3.2. Literature review.....	61
3.3. The experiment and context.....	64
3.3.1. The essays.....	64
3.3.2. The sample.....	65

3.4. Results .....	67
3.4.1. Direct grading bias .....	67
3.4.2. Expectations .....	70
3.4.3. Attitudes .....	74
3.5. Discussion .....	76
Appendix 3 .....	80
<b>4 The effect of peer socioeconomic status on student achievement: A meta-analysis</b> .....	<b>81</b>
4.1 Introduction .....	81
4.2 Selection of studies .....	83
4.3 Sources of variation between studies .....	87
4.3.1 Measurement of the compositional variable .....	87
4.3.2 Sample characteristics .....	89
4.3.3 Model specification .....	90
4.4 Estimation strategy .....	92
4.4.1 Estimation of basic meta-regression models .....	92
4.4.2 Study fixed effects models .....	96
4.5 Results .....	98
4.5.1 Estimates from the basic meta-regression model .....	98
4.5.2 Estimates from study fixed effects meta-regressions .....	102
4.6 Conclusion .....	103
References meta-analysis peer socioeconomic status and student achievement .....	106
Appendix 4 .....	108
<b>5 Peer ethnicity and achievement: A meta-analysis into the compositional effect</b> .....	<b>111</b>
5.1 Introduction .....	111
5.2 Ethnic minority share in schools: effects and similarities .....	112
5.3 Differences between ethnic minority groups .....	113
5.4 Causes of the compositional effect .....	114
5.4.1 Direct peer interaction .....	115
5.4.2 Teacher practice .....	115
5.4.3 School quality .....	116
5.4.4 Artifacts .....	116
5.4.5 Differential effects .....	117
5.5 Method .....	118
5.5.1 Criteria for inclusion .....	118
5.5.2 Identification of studies .....	119
5.5.3 Coding procedure .....	119
5.5.5 Study fixed effects analyses .....	122
5.5.6 Moderators .....	124
5.6 Results .....	125

5.6.1	Meta-regression model 1 .....	125
5.6.2	Meta-regression model 2 .....	129
5.6.3	Study fixed effects analyses .....	133
5.7	Discussion.....	135
	References meta-analysis peer ethnicity and achievement.....	138
	Appendix 5.A.....	139
	Appendix 5.B.....	141
<b>6</b>	<b>Conclusion</b>	<b>143</b>
	<b>Bibliography</b>	<b>147</b>
	<b>Samenvatting (Summary in Dutch)</b>	<b>159</b>

