

# Appendix

## A1 Full Gelbach decomposition. An illustration for two contrasted occupations

We illustrate here the decomposition of the Gelbach-estimated contribution Gelbach, 2016 of education  $\delta^{Educ}$  to lowering the magnitude of the correlation between occupation and the risk of being in poor health. We consider two a priori contrasted main occupations “Food Preparation Assistants” (FPA) and “Chief Executives, Senior Officials and Legislators” (CEO), bearing in mind the reference profession is “Business and Associate Professionals”.

Table A3 (results for male respondents) shows that  $\delta^{Educ}$  is .01158 for “Food preparation assistants” and -.01528 for “Chief Executives, senior officials and legislators”. As our education variable consists of a series of ISCED<sup>24</sup> dummies, for each considered occupation,  $\delta^{Educ} = \sum_l \delta^{ISCED_l}, l = 0, 1, 2, 3, 5, 6$  (ref.= 4). Following eq.(5) each  $\delta^{ISCED_l}$  is the cross-product of the  $\gamma^{ISCED_l}$ ’s (reported in Tables A1 and A2) by occupation  $\times$  ISCED-specific  $\rho$ ’s. More precisely:

- FPA’s

$$\begin{aligned} \underbrace{.01158}_{\delta^{Educ}} = & \underbrace{.23764 \times .022}_{\rho^{ISCED0} \times \gamma^{ISCED0}} + \underbrace{-.01932 \times .026}_{\rho^{ISCED1} \times \gamma^{ISCED1}} + \underbrace{-.07331 \times .029}_{\rho^{ISCED2} \times \gamma^{ISCED2}} + \\ & \underbrace{.12980 \times .009}_{\rho^{ISCED3} \times \gamma^{ISCED3}} + \underbrace{-.16606 \times -.046}_{\rho^{ISCED5} \times \gamma^{ISCED5}} + \underbrace{-0.00234 \times -.113}_{\rho^{ISCED6} \times \gamma^{ISCED6}} \end{aligned}$$

Note the role of  $\rho^{ISCED3} = .12980$  (i.e. a higher propensity to be *ISCED3*) and  $\rho^{ISCED5} = -.16606$  (i.e. a lower propensity to be *ISCED5*) in contributing to  $\delta > 0$ .

- CEO’s

$$\begin{aligned} \underbrace{-.01528}_{\delta^{Educ}} = & \underbrace{.00008 \times .022}_{\rho^{ISCED0} \times \gamma^{ISCED0}} + \underbrace{-.00644 \times .026}_{\rho^{ISCED1} \times \gamma^{ISCED1}} + \underbrace{-.05863 \times .029}_{\rho^{ISCED2} \times \gamma^{ISCED2}} + \\ & \underbrace{-.13735 \times .009}_{\rho^{ISCED3} \times \gamma^{ISCED3}} + \underbrace{.21522 \times -.046}_{\rho^{ISCED5} \times \gamma^{ISCED5}} + \underbrace{.02032 \times -.113}_{\rho^{ISCED6} \times \gamma^{ISCED6}} \end{aligned}$$

Note the role of  $\rho^{ISCED3} = -.13735$  (i.e. a lower propensity to be *ISCED3*) and  $\rho^{ISCED5} = .21522$  (i.e. a much high propensity to be *ISCED5*) in contributing to  $\delta < 0$ .

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<sup>24</sup>See the [International Standard classification of Education](#).

## A2 Additional Tables & Figures

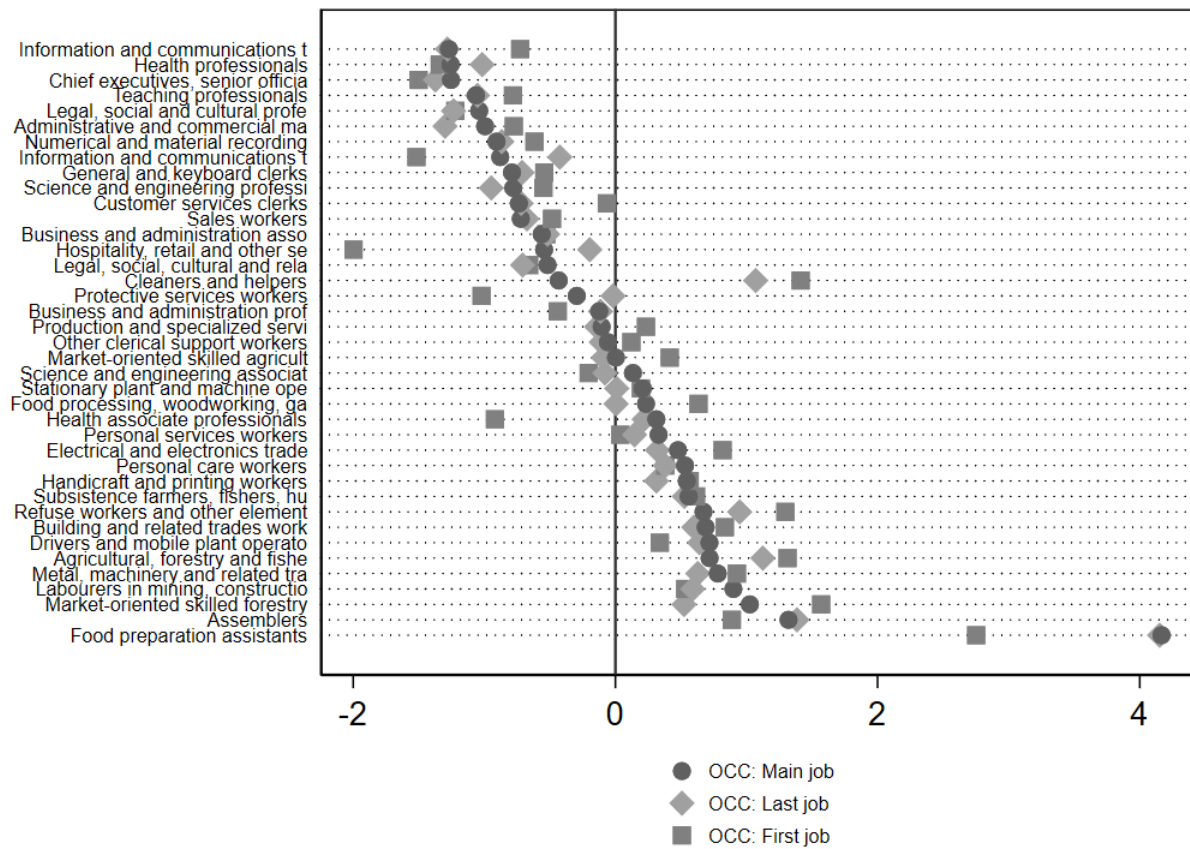


Figure A1: Correlation between coefficients (standardized) with first, main and last job as an independent variable - Male

The figure shows the correlation of the coefficients of the regression (1) with main job, first job or last job as the occupation variable controlling for age and country fixed effects. Data are from the 7<sup>th</sup> wave of the SHARE survey after dropping incomplete data for the full specification.

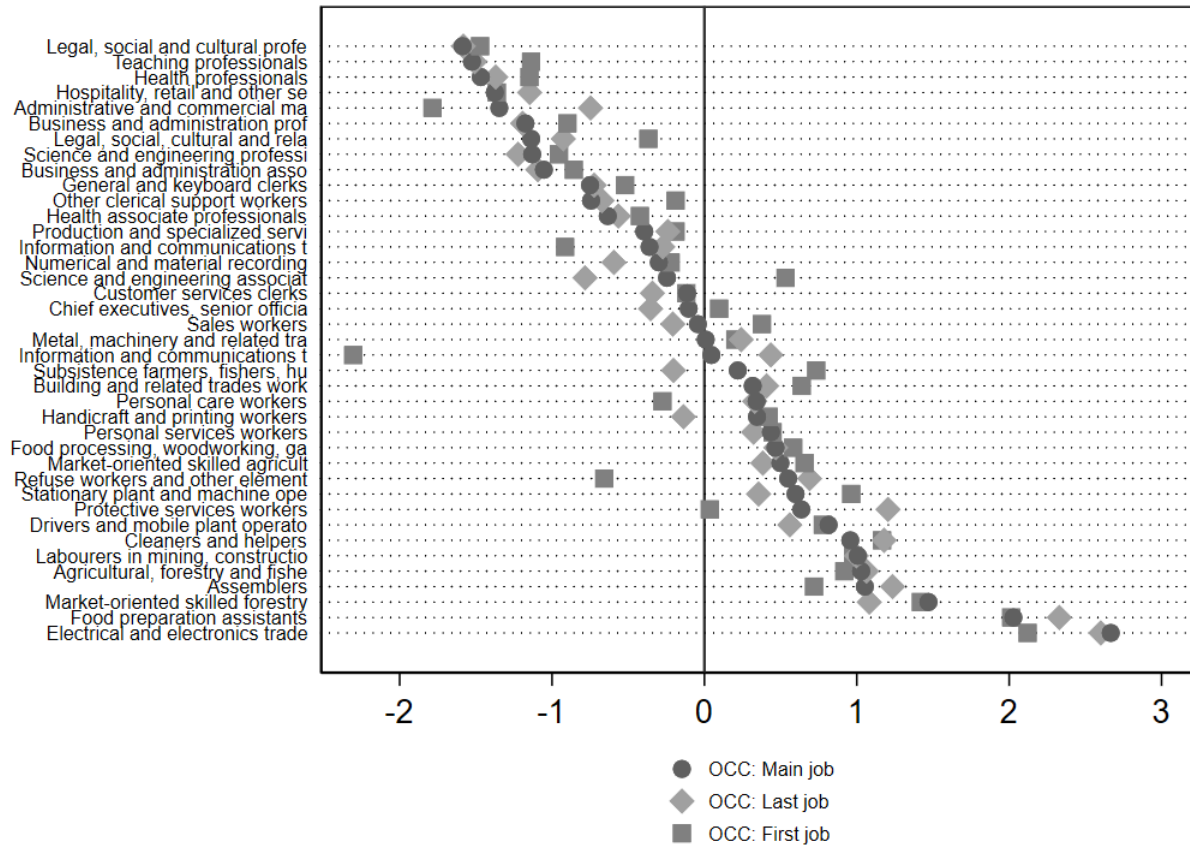


Figure A2: Correlation between coefficients (standardized) with first, main and last job as an independent variable - Female

The figure shows the correlation of the coefficients of the regression (1) with main job, first job or last job as the occupation variable controlling for age and country fixed effects. Data are from the 7<sup>th</sup> wave of the SHARE survey after dropping incomplete data for the full specification.

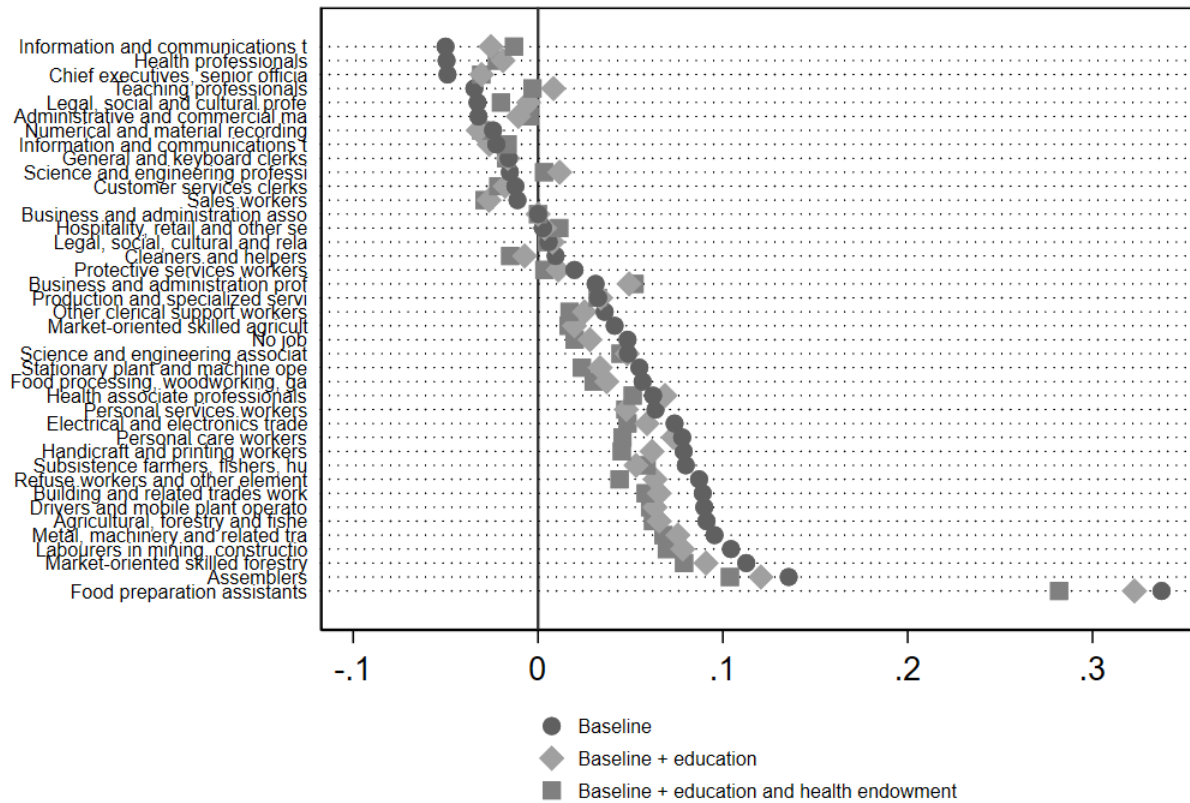


Figure A3: Reduction of the coefficients across the different regressions - Male

The figure shows the correlation of the coefficients of the regression (1) with main job as the occupation variable controlling for 1) age and country fixed effects 2) age and education and country fixed effects 3) age, education, childhood variables and country fixed effects. Data are from the 7<sup>th</sup> wave of the SHARE survey after dropping incomplete data for the full specification.

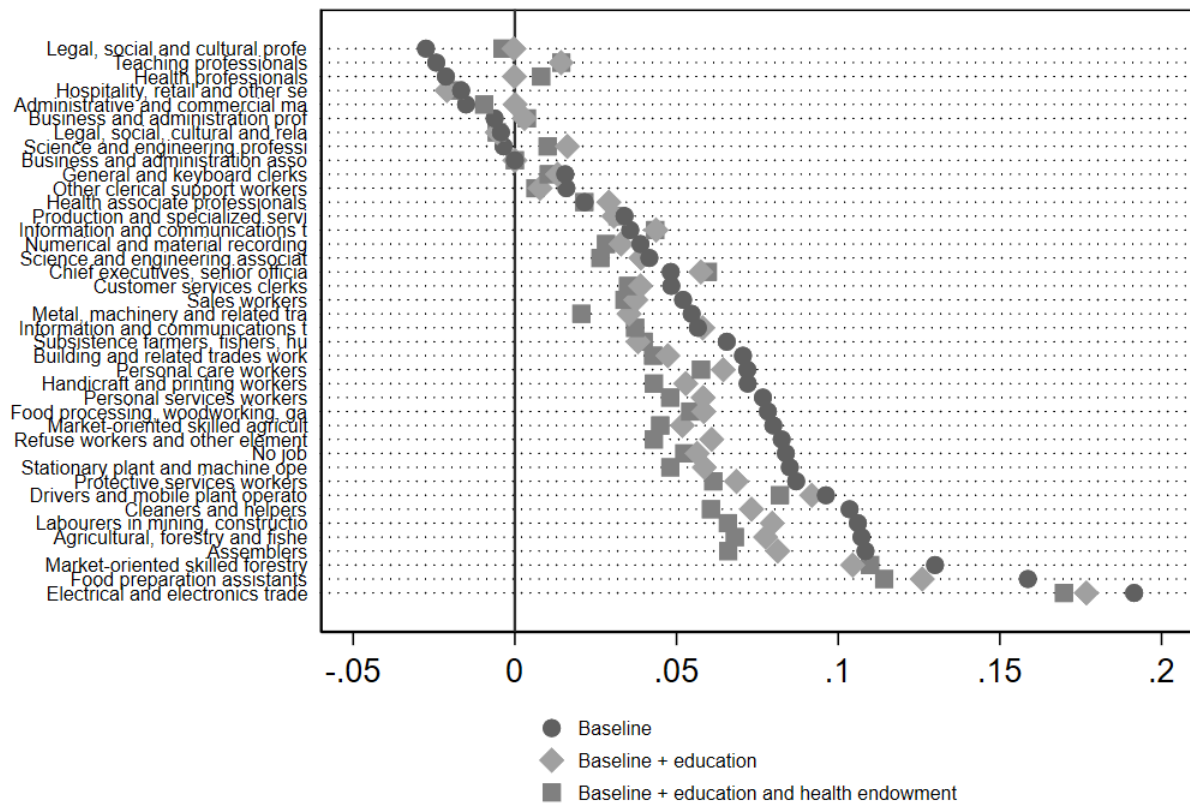


Figure A4: Reduction of the coefficients across the different regressions - Female

The figure shows the correlation of the coefficients of the regression (1) with main job as the occupation variable controlling for 1) age and country fixed effects 2) age and education and country fixed effects 3) age, education, childhood variables and country fixed effects. Data are from the 7<sup>th</sup> wave of the SHARE survey after dropping incomplete data for the full specification.

Table A1: Regression coefficients - Male

	(1)	(2)	(3)
	Model 1	Model 2	Model 3
Age	0.008***	0.008***	0.006***
	(0.000)	(0.000)	(0.000)
Chief executives, senior officials and legislators	-0.049*	-0.031	-0.031
	(0.027)	(0.027)	(0.027)
Administrative and commercial managers	-0.032	-0.011	-0.005
	(0.031)	(0.031)	(0.030)
Production and specialized services managers	0.032	0.034	0.032
	(0.028)	(0.028)	(0.027)
Hospitality, retail and other services managers	0.003	0.004	0.011
	(0.039)	(0.039)	(0.038)
Science and engineering professionals	-0.015	0.012	0.003
	(0.021)	(0.022)	(0.021)
Health professionals	-0.049*	-0.019	-0.022
	(0.030)	(0.030)	(0.030)
Teaching professionals	-0.034	0.008	-0.003
	(0.022)	(0.023)	(0.022)
Business and administration professionals	0.031	0.049	0.052*
	(0.032)	(0.032)	(0.031)
Information and communications technology professionals	-0.050	-0.025	-0.013
	(0.036)	(0.036)	(0.036)
Legal, social and cultural professionals	-0.033	-0.005	-0.020
	(0.029)	(0.029)	(0.028)
Science and engineering associate professionals	0.049**	0.048**	0.045**
	(0.020)	(0.020)	(0.020)
Health associate professionals	0.062*	0.069*	0.051
	(0.038)	(0.038)	(0.037)
Legal, social, cultural and related associate professionals	0.006	0.008	0.005
	(0.038)	(0.038)	(0.037)
Information and communications technicians	-0.023	-0.026	-0.017
	(0.043)	(0.043)	(0.042)
General and keyboard clerks	-0.016	-0.016	-0.017

	(0.026)	(0.026)	(0.026)
Customer services clerks	-0.012	-0.018	-0.021
	(0.037)	(0.037)	(0.036)
Numerical and material recording clerks	-0.024	-0.032	-0.031
	(0.030)	(0.030)	(0.029)
Other clerical support workers	0.036	0.025	0.017
	(0.034)	(0.034)	(0.033)
Personal services workers	0.064**	0.048*	0.047*
	(0.027)	(0.027)	(0.026)
Sales workers	-0.011	-0.027	-0.029
	(0.025)	(0.025)	(0.025)
Personal care workers	0.078	0.073	0.046
	(0.056)	(0.056)	(0.055)
Protective services workers	0.020	0.011	0.003
	(0.028)	(0.028)	(0.027)
Market-oriented skilled agricultural workers	0.041*	0.020	0.017
	(0.025)	(0.026)	(0.025)
Market-oriented skilled forestry, fishery and hunting workers	0.113***	0.091**	0.079**
	(0.038)	(0.038)	(0.037)
Subsistence farmers, fishers, hunters and gatherers	0.080***	0.053*	0.059**
	(0.029)	(0.029)	(0.029)
Building and related trades workers (excluding electricians)	0.089***	0.066***	0.058***
	(0.019)	(0.019)	(0.019)
Metal, machinery and related trades workers	0.095***	0.076***	0.068***
	(0.019)	(0.019)	(0.019)
Handicraft and printing workers	0.079***	0.062**	0.045
	(0.031)	(0.031)	(0.030)
Electrical and electronics trades workers	0.074***	0.059***	0.048**
	(0.023)	(0.023)	(0.023)
Food processing, woodworking, garment and other craft and related trades workers	0.057**	0.037	0.030
	(0.024)	(0.024)	(0.024)
Stationary plant and machine operators	0.055**	0.034	0.024
	(0.023)	(0.023)	(0.023)
Assemblers	0.136***	0.121***	0.104***

	(0.039)	(0.039)	(0.038)
Drivers and mobile plant operators	0.090***	0.063***	0.061***
	(0.019)	(0.020)	(0.019)
Cleaners and helpers	0.010	-0.007	-0.015
	(0.075)	(0.075)	(0.074)
Agricultural, forestry and fishery labourers	0.091**	0.066	0.062
	(0.044)	(0.044)	(0.043)
Labourers in mining, construction, manufacturing and transport	0.104***	0.078***	0.070***
	(0.023)	(0.023)	(0.022)
Food preparation assistants	0.337**	0.323**	0.282*
	(0.151)	(0.151)	(0.148)
Refuse workers and other elementary workers	0.087**	0.063*	0.044
	(0.038)	(0.038)	(0.038)
No job	0.048*	0.028	0.020
	(0.030)	(0.030)	(0.029)
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ISCED 0		0.029	0.022
		(0.024)	(0.023)
ISCED 1		0.038**	0.026
		(0.018)	(0.018)
ISCED 2		0.034**	0.029*
		(0.017)	(0.017)
ISCED 3		0.011	0.009
		(0.015)	(0.015)
ISCED 5		-0.057***	-0.046***
		(0.016)	(0.016)
ISCED 6		-0.124***	-0.113***
		(0.034)	(0.034)
Health childhood			0.162***
			(0.007)
Father: Premature dead			0.088***
			(0.012)
Father: Normal dead			0.072***
			(0.012)
Mother: Premature dead			0.025***
			(0.010)
Mother: Normal dead			0.017*



			(0.010)
Father profession:			
Senior managers and professionals			-0.003 (0.013)
Technicians and associate professionals and armed forces			-0.028* (0.015)
Skilled agricultural and fishery workers			-0.003 (0.013)
Craftsmen and skilled workers			0.006 (0.012)
Elementary occupations and unskilled workers			0.006 (0.013)
Unknown			-0.002 (0.014)
<hr/>			
_cons	0.135*** (0.033)	0.171*** (0.036)	0.150*** (0.037)
<i>N</i>	15 221	15 221	15 221
<i>R</i> <sup>2</sup>	11.30 %	12.15 %	15.77 %

Table A2: Regression coefficients - Female

	(1)	(2)	(3)
	Model 1	Model 2	Model 3
Age	0.008***	0.008***	0.006***
	(0.000)	(0.000)	(0.000)
Chief executives, senior officials and legislators	0.048	0.058*	0.060*
	(0.032)	(0.032)	(0.032)
Administrative and commercial managers	-0.015	0.000	-0.009
	(0.029)	(0.029)	(0.029)
Production and specialized services managers	0.034	0.031	0.032
	(0.028)	(0.028)	(0.027)
Hospitality, retail and other services managers	-0.017	-0.021	-0.019
	(0.036)	(0.036)	(0.035)
Science and engineering professionals	-0.004	0.016	0.010
	(0.022)	(0.022)	(0.022)
Health professionals	-0.021	-0.000	0.008
	(0.017)	(0.017)	(0.017)
Teaching professionals	-0.024*	0.014	0.014
	(0.015)	(0.015)	(0.015)
Business and administration professionals	-0.006	0.003	0.004
	(0.022)	(0.022)	(0.022)
Information and communications technology professionals	0.036	0.044	0.043
	(0.037)	(0.037)	(0.036)
Legal, social and cultural professionals	-0.027	-0.000	-0.004
	(0.020)	(0.020)	(0.020)
Science and engineering associate professionals	0.042*	0.039*	0.026
	(0.022)	(0.022)	(0.022)
Health associate professionals	0.022	0.029	0.021
	(0.021)	(0.021)	(0.021)
Legal, social, cultural and related associate professionals	-0.004	-0.005	-0.006
	(0.029)	(0.029)	(0.028)
Information and communications technicians	0.057	0.058	0.037
	(0.059)	(0.058)	(0.057)
General and keyboard clerks	0.016	0.013	0.010

	(0.015)	(0.015)	(0.015)
Customer services clerks	0.048**	0.039*	0.035
	(0.023)	(0.023)	(0.023)
Numerical and material recording clerks	0.039**	0.033*	0.028
	(0.019)	(0.019)	(0.019)
Other clerical support workers	0.016	0.008	0.006
	(0.022)	(0.022)	(0.022)
Personal services workers	0.077***	0.058***	0.048***
	(0.016)	(0.016)	(0.016)
Sales workers	0.052***	0.037**	0.034**
	(0.015)	(0.015)	(0.015)
Personal care workers	0.072***	0.064***	0.058***
	(0.017)	(0.016)	(0.016)
Protective services workers	0.087**	0.069*	0.061
	(0.040)	(0.040)	(0.039)
Market-oriented skilled agricultural workers	0.080***	0.052**	0.045**
	(0.021)	(0.021)	(0.021)
Market-oriented skilled forestry, fishery and hunting workers	0.130***	0.104**	0.110**
	(0.046)	(0.046)	(0.045)
Subsistence farmers, fishers, hunters and gatherers	0.066***	0.038	0.040*
	(0.025)	(0.025)	(0.024)
Building and related trades workers (excluding electricians)	0.071**	0.047	0.043
	(0.032)	(0.032)	(0.031)
Metal, machinery and related trades workers	0.055*	0.035	0.021
	(0.032)	(0.032)	(0.031)
Handicraft and printing workers	0.072***	0.053**	0.043*
	(0.026)	(0.026)	(0.026)
Electrical and electronics trades workers	0.192***	0.177***	0.170***
	(0.049)	(0.049)	(0.048)
Food processing, woodworking, garment and other craft and related trades workers	0.078***	0.058***	0.054***
	(0.016)	(0.016)	(0.016)
Stationary plant and machine operators	0.085***	0.059***	0.048***
	(0.018)	(0.019)	(0.018)
Assemblers	0.108***	0.081**	0.066*

	(0.038)	(0.038)	(0.037)
Drivers and mobile plant operators	0.096***	0.092***	0.082**
	(0.034)	(0.034)	(0.034)
Cleaners and helpers	0.104***	0.073***	0.061***
	(0.017)	(0.017)	(0.017)
Agricultural, forestry and fishery labourers	0.107***	0.078**	0.068**
	(0.032)	(0.032)	(0.031)
Labourers in mining, construction, manufacturing and transport	0.106***	0.080***	0.066***
	(0.021)	(0.021)	(0.020)
Food preparation assistants	0.159***	0.126***	0.114***
	(0.031)	(0.031)	(0.030)
Refuse workers and other elementary workers	0.083**	0.061*	0.043
	(0.036)	(0.036)	(0.036)
No job	0.084***	0.056***	0.052***
	(0.015)	(0.015)	(0.015)
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No education		0.058***	0.053***
		(0.019)	(0.019)
ISCED 1		0.057***	0.043***
		(0.015)	(0.015)
ISCED 2		0.043***	0.035***
		(0.014)	(0.014)
ISCED 3		0.011	0.007
		(0.013)	(0.012)
ISCED 5		-0.044***	-0.033***
		(0.014)	(0.013)
ISCED 6		-0.181***	-0.159***
		(0.038)	(0.037)
Health childhood			0.156***
			(0.006)
Father: Premature dead			0.067***
			(0.010)
Father: Normal dead			0.061***
			(0.010)
Mother: Premature dead			0.054***
			(0.008)
Mother: Normal dead			0.034***

			(0.008)
Father profession:			
Senior managers and professionals			-0.040***
			(0.011)
Technicians and associate professionals and armed forces			-0.014
			(0.012)
Skilled agricultural and fishery workers			-0.003
			(0.011)
Craftsmen and skilled workers			-0.009
			(0.010)
Elementary occupations and unskilled workers			0.001
			(0.010)
Unknown			-0.010
			(0.011)
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_cons	0.121***	0.169***	0.175***
	(0.025)	(0.028)	(0.029)
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$N$	20 614	20 614	20 614
pseudo $R^2$	13.10 %	13.58 %	17.39 %
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Table A3: Gelbach decomposition (male)

	$\delta_{Education}$	$\delta_{Father's\ occupation}$	$\delta_{Init.Health}$
Chief executives, senior officials and legislators	-0.01528	0.00051	-0.00352
Administrative and commercial managers	-0.01772	-0.00039	-0.00947
Production and specialized services managers	-0.00159	-0.00055	-0.00227
Hospitality, retail and other services managers	-0.00092	0.00108	-0.00897
Science and engineering professionals	-0.02217	-0.00031	0.00394
Health professionals	-0.02601	-0.00048	-0.00076
Teaching professionals	-0.03568	-0.00021	0.00449
Business and administration professionals	-0.01460	-0.00078	-0.00569
Information and communications technology professionals	-0.01990	-0.00157	-0.01560
Legal, social and cultural professionals	-0.02284	-0.00044	0.01058
Science and engineering associate professionals	0.00021	0.00023	0.00357
Health associate professionals	-0.00555	-0.00067	0.01725
Legal, social, cultural and related associate professionals	-0.00182	-0.00070	0.00348
Information and communications technicians	0.00300	0.00095	-0.01005
General and keyboard clerks	0.00059	0.00083	0.00013
Customer services clerks	0.00438	0.00103	0.00378
Numerical and material recording clerks	0.00654	0.00031	-0.00047
Other clerical support workers	0.00869	0.00195	0.00837
Personal services workers	0.01248	0.00204	0.00176
Sales workers	0.01215	-0.00003	0.00575
Personal care workers	0.00405	-0.00123	0.02948
Protective services workers	0.00709	0.00124	0.00798
Market-oriented skilled agricultural workers	0.01682	-0.00031	0.00841
Market-oriented skilled forestry, fishery and hunting workers	0.01715	0.00092	0.01556
Subsistence farmers, fishers, hunters and gatherers	0.02165	-0.00034	-0.00011
Building and related trades workers (excluding electricians)	0.01873	0.00289	0.00929
Metal, machinery and related trades workers	0.01585	0.00239	0.00941
Handicraft and printing workers	0.01396	0.00357	0.01627
Electrical and electronics trades workers	0.01207	0.00254	0.01088
Food processing, woodworking, garment and			

other craft and related trades workers	0.01545	0.00249	0.00855
Stationary plant and machine operators	0.01693	0.00271	0.01151
Assemblers	0.01217	0.00287	0.01675
Drivers and mobile plant operators	0.02137	0.00238	0.00557
Cleaners and helpers	0.01296	0.00204	0.00956
Agricultural, forestry and fishery labourers	0.01936	0.00252	0.00703
Labourers in mining, construction, manufacturing and transport	0.02057	0.00203	0.01208
Food preparation assistants	0.01158	-0.00228	0.04611
Refuse workers and other elementary workers	0.01879	0.00169	0.02252
No job	0.01587	0.00137	0.01140

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Table A4: Gelbach decomposition (female)

	$\delta_{Education}$	$\delta_{Father's\ occupation}$	$\delta_{Init.Health}$
Chief executives, senior officials and legislators	-0.00717	- 0.00855	0.00426
Administrative and commercial managers	-0.01181	-0.00255	0.00874
Production and specialized services managers	0.00268	-0.00492	0.00439
Hospitality, retail and other services managers	0.00348	- 0.00055	-0.00102
Science and engineering professionals	-0.01535	-0.00524	0.00693
Health professionals	-0.01634	-0.00284	-0.01017
Teaching professionals	-0.02983	-0.00381	-0.00501
Business and administration professionals	-0.00728	-0.00212	-0.00056
Information and communications technology professionals	-0.00619	-0.00212	0.00059
Legal, social and cultural professionals	-0.02105	-0.00467	0.00208
Science and engineering associate professionals	0.00212	-0.00111	0.01409
Health associate professionals	-0.00585	-0.00129	0.00723
Legal, social, cultural and related associate professionals	0.00110	-0.00109	0.00128
Information and communications technicians	-0.00073	0.00285	0.01726
General and keyboard clerks	0.00183	0.00021	0.00305
Customer services clerks	0.00756	-0.00001	0.00580
Numerical and material recording clerks	0.00466	0.00024	0.00573
Other clerical support workers	0.00636	0.00023	0.00294
Personal services workers	0.01446	0.00254	0.01166
Sales workers	0.01133	0.00178	0.00498
Personal care workers	0.00593	0.00089	0.00750
Protective services workers	0.01511	0.00354	0.00697
Market-oriented skilled agricultural workers	0.02278	0.00312	0.00906
Market-oriented skilled forestry, fishery and hunting workers	0.02023	0.00153	-0.00164
Subsistence farmers, fishers, hunters and gatherers	0.02218	0.00391	-0.00041
Building and related trades workers (excluding electricians)	0.01868	0.00245	0.00663
Metal, machinery and related trades workers	0.01535	0.00156	0.01719
Handicraft and printing workers	0.01521	0.00193	0.01188
Electrical and electronics trades workers	0.01169	-0.00270	0.01271
Food processing, woodworking, garment and			



other craft and related trades workers	0.01546	0.00192	0.00659
Stationary plant and machine operators	0.02092	0.00298	0.01304
Assemblers	0.02155	0.00309	0.01784
Drivers and mobile plant operators	0.00349	0.00273	0.00802
Cleaners and helpers	0.02416	0.00353	0.01518
Agricultural, forestry and fishery labourers	0.02368	0.00235	0.01315
Labourers in mining, construction, manufacturing and transport	0.02090	0.00280	0.01649
Food preparation assistants	0.02581	0.00208	0.01654
Refuse workers and other elementary workers	0.01733	0.00117	0.02106
No job	0.02219	0.00123	0.00796

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Table A5: Retirement age differentiation (male)

	Column 1	Column 2	Column 3
Food preparation assistants	-38.25	-41.52	-45.40
Assemblers	-15.38	-16.69	-18.25
Market-oriented skilled forestry, fishery and hunting workers	-12.77	-13.86	-15.16
Labourers in mining, construction, manufacturing and transport	-11.83	-12.85	-14.05
Metal, machinery and related trades workers	-10.82	-11.75	-12.85
Agricultural, forestry and fishery labourers	-10.33	-11.22	-12.27
Drivers and mobile plant operators	-10.19	-11.07	-12.10
Building and related trades workers (excluding electricians)	-10.10	-10.97	-11.99
Refuse workers and other elementary workers	-9.88	-10.72	-11.73
Subsistence farmers, fishers, hunters and gatherers	-9.06	-9.84	-10.76
Handicraft and printing workers	-8.93	-9.70	-10.60
Personal care workers	-8.84	-9.60	-10.49
Electrical and electronics trades workers	-8.37	-9.09	-9.94
Personal services workers	-7.21	-7.82	-8.56
Health associate professionals	-7.06	-7.66	-8.38
Food processing, woodworking, garment and other craft and related trades workers	-6.41	-6.96	-7.61
Stationary plant and machine operators	-6.22	-6.75	-7.38
Science and engineering associate professionals	-5.51	-5.98	-6.54
Market-oriented skilled agricultural workers	-4.70	-5.10	-5.78
Other clerical support workers	-4.09	-4.44	-4.85
Production and specialized services managers	-3.68	-4.00	-4.37
Business and administration professionals	-3.53	-3.83	-4.19
Protective services workers	-2.24	-2.43	-2.65
Cleaners and helpers	-1.08	-1.17	-1.28
Legal, social, cultural and related associate professionals	-0.65	-0.70	-0.77
Hospitality, retail and other services managers	-0.30	-0.33	-0.36
Sales workers	1.26	1.37	1.50
Customer services clerks	1.39	1.51	1.65
Science and engineering professionals	1.73	1.88	2.05

General and keyboard clerks	1.81	1.96	2.15
Information and communications technology professionals	2.56	2.78	3.04
Numerical and material recording clerks	2.76	2.99	3.27
Administrative and commercial managers	3.66	3.97	4.34
Legal, social and cultural professionals	3.71	4.03	4.41
Teaching professionals	3.91	4.24	4.64
Chief executives, senior officials and legislators	5.55	6.03	6.59
Health professionals	5.61	6.09	6.66
Information and communications technicians	5.68	6.16	6.74

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Table A6: Retirement age differentiation (female)

	Column 1	Column 2	Column 3
Electrical and electronics trades workers	-21.62	-22.99	-24.55
Food preparation assistants	-17.90	-19.04	-20.34
Market-oriented skilled forestry, fishery and hunting workers	-14.67	-15.60	-16.66
Assemblers	-12.24	-13.02	-13.90
Agricultural, forestry and fishery labourers	-12.10	-12.87	-13.74
Labourers in mining, construction, manufacturing and transport	-11.97	-12.73	-13.60
Cleaners and helpers	-11.68	-12.43	-13.27
Drivers and mobile plant operators	-10.86	-11.55	-12.33
Protective services workers	-9.82	-10.44	-11.15
Stationary plant and machine operators	-9.60	-10.21	-10.90
Refuse workers and other elementary workers	-9.31	-9.91	-10.58
Market-oriented skilled agricultural workers	-9.02	-9.59	-10.25
Food processing, woodworking, garment and other craft and related trades workers	-8.83	-9.39	-10.03
Personal services workers	-8.66	-9.21	-9.83
Handicraft and printing workers	-8.13	-8.64	-9.23
Personal care workers	-8.11	-8.63	-9.21
Building and related trades workers (excluding electricians)	-7.96	-8.47	-9.04
Subsistence farmers, fishers, hunters and gatherers	-7.40	-7.87	-8.40
Information and communications technicians	-6.39	-6.79	-7.25
Metal, machinery and related trades workers	-6.17	-6.56	-7.01
Sales workers	-5.87	-6.24	-6.67
Customer services clerks	-5.46	-5.81	-6.10
Chief executives, senior officials and legislators	-5.44	-5.79	-6.18
Science and engineering associate professionals	-4.69	-4.99	-5.33
Numerical and material recording clerks	-4.38	-4.66	-4.98
Information and communications technology professionals	-4.03	-4.28	-4.57
Production and specialized services managers	-3.83	-4.07	-4.35
Health associate professionals	-2.43	-2.59	-2.76

Other clerical support workers	-1.80	-1.91	-2.04
General and keyboard clerks	-1.76	-1.87	-2.00
Science and engineering professionals	0.40	0.42	0.45
Legal, social, cultural and related associate professionals	0.49	0.52	0.55
Business and administration professionals	0.71	0.75	0.80
Administrative and commercial managers	1.70	1.81	1.93
Hospitality, retail and other services managers	1.88	2.00	2.13
Health professionals	2.41	2.56	2.73
Teaching professionals	2.74	2.92	3.12
Legal, social and cultural professionals	3.10	3.30	3.53

Table A7: Regression coefficients (male) - Robustness

	(1)	(2)	(3)
	All obs	< 70	ACP
Age	0.006***	0.007***	0.010***
	(0.000)	(0.000)	(0.000)
Chief executives, senior officials and legislators	-0.031	-0.034	-0.020
	(0.027)	(0.036)	(0.032)
Administrative and commercial managers	-0.005	-0.000	0.004
	(0.030)	(0.041)	(0.036)
Production and specialized services managers	0.032	0.048	0.048
	(0.027)	(0.039)	(0.032)
Hospitality, retail and other services managers	0.011	-0.004	-0.031
	(0.038)	(0.050)	(0.046)
Science and engineering professionals	0.003	0.005	-0.020
	(0.021)	(0.029)	(0.025)
Health professionals	-0.022	-0.044	0.023
	(0.030)	(0.039)	(0.035)
Teaching professionals	-0.003	-0.002	0.009
	(0.022)	(0.031)	(0.027)
Business and administration professionals	0.052*	0.037	-0.012
	(0.031)	(0.043)	(0.037)
Information and communications technology professionals	-0.013	-0.008	-0.010
	(0.036)	(0.044)	(0.042)

Legal, social and cultural professionals	-0.020 (0.028)	-0.014 (0.038)	0.011 (0.034)
Science and engineering associate professionals	0.045** (0.020)	0.050* (0.027)	0.022 (0.024)
Health associate professionals	0.051 (0.037)	0.018 (0.048)	0.037 (0.044)
Legal, social, cultural and related associate professionals	0.005 (0.037)	0.026 (0.046)	0.014 (0.044)
Information and communications technicians	-0.017 (0.042)	-0.036 0.052	-0.017 (0.050)
General and keyboard clerks	-0.017 (0.026)	-0.028 (0.034)	-0.027 (0.031)
Customer services clerks	-0.021 (0.036)	0.026 (0.046)	0.026 (0.043)
Numerical and material recording clerks	-0.031 (0.029)	-0.013 (0.039)	0.027 (0.035)
Other clerical support workers	0.017 (0.033)	0.047 (0.044)	-0.047 (0.039)
Personal services workers	0.047* (0.026)	0.074** (0.033)	0.018 (0.031)
Sales workers	-0.029 (0.025)	-0.035 (0.033)	-0.034 (0.029)
Personal care workers	0.046 (0.055)	0.049 (0.065)	0.028 (0.065)
Protective services workers	0.003 (0.027)	0.028 (0.035)	-0.025 (0.032)
Market-oriented skilled agricultural workers	0.017 (0.025)	0.036 (0.037)	0.049 (0.030)
Market-oriented skilled forestry, fishery and hunting workers	0.079** (0.037)	0.097** (0.049)	0.078* (0.044)
Subsistence farmers, fishers, hunters and gatherers	0.059** (0.029)	0.062 (0.039)	0.077** (0.035)
Building and related trades workers (excluding electricians)	0.058*** (0.019)	0.067*** (0.025)	0.065*** 0.023

Metal, machinery and related trades workers	0.068*** (0.019)	0.090*** (0.025)	0.022 (0.022)
Handicraft and printing workers	0.045 (0.030)	0.043 (0.040)	0.062* (0.036)
Electrical and electronics trades workers	0.048** (0.023)	0.071** (0.030)	0.079*** (0.027)
Food processing, woodworking, garment and other craft and related trades workers	0.030 (0.024)	0.041 (0.032)	0.028 (0.028)
Stationary plant and machine operators	0.024 (0.023)	0.043 (0.030)	0.054** (0.027)
Assemblers	0.104*** (0.038)	0.141*** (0.049)	0.117*** (0.045)
Drivers and mobile plant operators	0.061*** (0.019)	0.078*** (0.026)	0.042* (0.023)
Cleaners and helpers	-0.015 (0.074)	0.030 (0.088)	0.129 (0.088)
Agricultural, forestry and fishery labourers	0.062 (0.043)	0.088 (0.064)	0.021 (0.051)
Labourers in mining, construction, manufacturing and transport	0.070*** (0.022)	0.085*** (0.029)	0.078*** (0.027)
Food preparation assistants	0.282* (0.148)	0.401* (0.238)	0.256 (0.176)
Refuse workers and other elementary workers	0.044 (0.038)	0.067 (0.048)	0.060 (0.045)
No job	0.020 (0.029)	0.023 (0.040)	0.091*** 0.035
-----			
ISCED 0	0.022 (0.023)	0.013 (0.034)	0.118*** (0.028)
ISCED 1	0.026 (0.018)	0.029 (0.025)	0.077*** (0.021)
ISCED 2	0.029* (0.017)	0.018 (0.022)	0.057*** (0.020)
ISCED 3	0.009 (0.015)	-0.003 (0.019)	0.020 (0.018)
ISCED 5	-0.046***	-0.060***	-0.011

	(0.016)	(0.021)	(0.019)
ISCED 6	-0.113***	-0.160***	-0.088**
	(0.034)	(0.047)	(0.040)
Health childhood	0.162***	0.191***	0.115***
	(0.007)	(0.009)	(0.008)
Father: Premature dead	0.088***	0.077***	0.046***
	(0.012)	(0.014)	(0.015)
Father: Normal dead	0.072***	0.066***	0.019
	(0.012)	(0.014)	(0.015)
Mother: Premature dead	0.025***	0.023**	0.016
	(0.010)	(0.011)	(0.011)
Mother: Normal dead	0.017*	0.008	0.006
	(0.010)	(0.012)	(0.012)
Father profession:			
Senior managers and professionals	-0.003	0.008	-0.025
	(0.013)	(0.018)	(0.016)
Technicians and associate professionals and armed forces	-0.028*	-0.011	-0.019
	(0.015)	(0.020)	(0.018)
Skilled agricultural and fishery workers	-0.003	-0.003	-0.012
	(0.013)	(0.018)	(0.015)
Craftsmen and skilled workers	0.006	0.010	-0.028**
	(0.012)	(0.016)	(0.014)
Elementary occupations and unskilled workers	0.006	0.016	0.003
	(0.013)	(0.017)	(0.015)
Unknown	-0.002	0.006	-0.046***
	(0.014)	(0.018)	(0.016)
-----			
_cons	0.150***	0.077	-0.288***
	(0.037)	(0.064)	(0.044)
<hr/> <i>N</i>	15 221	9 807	15 221
<i>R</i> <sup>2</sup>	15.77 %	16.44 %	11.71 %



Table A8: Variance decomposition (male) - Robustness

Part of the variance			
	All	< 70	ACP
Education	5.56% (1.056)	5.83% (1.153)	5.23% (0.912)
Occupations	7.07% (1.717)	9.20% (2.461)	6.37% (2.137)
Age	15.94% (1.490)	6.76% (1.339)	33.70% (2.476)
Country	35.18% (1.874)	40.05% (2.379)	34.96% (2.193)
Childhood conditions	35.80% (1.900)	37.89% (2.375)	18.85% (2.122)
Father's occupation	0.45% (0.575)	0.27% (0.730)	0.89% (0.709)

Table A9: Regression coefficients (female) - Robustness

	(1)	(2)	(3)
	All obs	< 70	ACP
Age	0.006***	0.007***	0.011***
	(0.000)	(0.001)	(0.000)
Chief executives, senior officials and legislators	0.060*	0.077*	-0.031
	(0.032)	(0.042)	(0.039)
Administrative and commercial managers	-0.009	-0.008	-0.041
	(0.029)	(0.036)	(0.035)
Production and specialized services managers	0.032	0.039	-0.013
	(0.027)	(0.038)	(0.034)
Hospitality, retail and other services managers	-0.019	-0.045	0.020
	(0.035)	(0.047)	(0.043)
Science and engineering professionals	0.010	-0.008	0.006
	(0.022)	(0.031)	(0.027)
Health professionals	0.008	0.007	0.029
	(0.017)	(0.022)	(0.021)
Teaching professionals	0.014	0.009	0.024
	(0.015)	(0.020)	(0.019)
Business and administration professionals	0.004	-0.014	-0.003
	(0.022)	(0.029)	(0.027)
Information and communications technology professionals	0.043	0.064	-0.010
	(0.036)	(0.047)	(0.045)
Legal, social and cultural professionals	-0.004	0.006	0.000
	(0.020)	(0.026)	(0.035)
Science and engineering associate professionals	0.026	0.050*	0.020
	(0.022)	(0.029)	(0.027)
Health associate professionals	0.021	0.014	-0.006
	(0.021)	(0.027)	(0.026)
Legal, social, cultural and related associate professionals	-0.006	-0.011	0.001
	(0.028)	(0.036)	(0.024)
Information and communications technicians	0.037	-0.009	-0.062
	(0.057)	(0.075)	(0.071)
General and keyboard clerks	0.010	0.002	-0.013

	(0.015)	(0.020)	(0.018)
Customer services clerks	0.035	0.055*	0.015
	(0.023)	(0.031)	(0.028)
Numerical and material recording clerks	0.028	0.029	0.017
	(0.019)	(0.025)	(0.023)
Other clerical support workers	0.006	-0.003	0.009
	(0.022)	(0.028)	(0.027)
Personal services workers	0.048***	0.050**	0.045**
	(0.016)	(0.021)	(0.020)
Sales workers	0.034**	0.022	0.030
	(0.015)	(0.020)	0.019
Personal care workers	0.058***	0.057***	0.041**
	(0.016)	(0.021)	(0.020)
Protective services workers	0.061	0.062	0.009
	(0.039)	(0.054)	(0.048)
Market-oriented skilled agricultural workers	0.045**	0.047	0.060**
	(0.021)	(0.031)	(0.025)
Market-oriented skilled forestry, fishery and hunting workers	0.110**	0.130*	0.075
	(0.045)	(0.069)	(0.056)
Subsistence farmers, fishers, hunters and gatherers	0.040*	0.037	0.128***
	(0.024)	(0.033)	(0.030)
Building and related trades workers (excluding electricians)	0.043	0.042	0.070*
	(0.031)	(0.041)	(0.039)
Metal, machinery and related trades workers	0.021	0.039	0.024
	(0.031)	(0.041)	(0.039)
Handicraft and printing workers	0.043*	0.059*	0.062**
	(0.026)	(0.036)	(0.032)
Electrical and electronics trades workers	0.170***	0.198***	0.159***
	(0.048)	(0.061)	(0.059)
Food processing, woodworking, garment and other craft and related trades workers	0.054***	0.061***	0.062***
	(0.016)	(0.022)	(0.020)
Stationary plant and machine operators	0.048***	0.049**	0.063***
	(0.018)	(0.025)	(0.023)
Assemblers	0.066*	0.048	0.103**

	(0.037)	(0.047)	(0.046)
Drivers and mobile plant operators	0.082**	0.100**	0.085**
	(0.034)	(0.044)	(0.042)
Cleaners and helpers	0.061***	0.073***	0.079***
	(0.017)	(0.022)	(0.021)
Agricultural, forestry and fishery labourers	0.068**	0.121***	0.086**
	(0.031)	(0.049)	(0.039)
Labourers in mining, construction, manufacturing and transport	0.066***	0.063**	0.034
	(0.020)	(0.027)	(0.025)
Food preparation assistants	0.114***	0.139***	0.105***
	(0.030)	(0.042)	(0.038)
Refuse workers and other elementary workers	0.043	0.038	0.076*
	(0.036)	(0.048)	(0.044)
No job	0.052***	0.046**	0.062***
	(0.015)	(0.021)	(0.018)
-----			
ISCED 0	0.053***	0.084***	0.133***
	(0.019)	(0.030)	(0.023)
ISCED 1	0.043***	0.092***	0.084***
	(0.015)	(0.021)	(0.018)
ISCED 2	0.035***	0.075***	0.071***
	(0.014)	(0.019)	(0.017)
ISCED 3	0.007	0.033**	0.030*
	(0.012)	(0.017)	(0.016)
ISCED 5	-0.033***	-0.019	-0.011
	(0.013)	(0.018)	(0.016)
ISCED 6	-0.159***	-0.217***	-0.027
	(0.037)	(0.050)	(0.046)
Health childhood	0.156***	0.186***	0.121***
	(0.006)	(0.008)	(0.007)
Father: Premature dead	0.067***	0.057***	0.031***
	(0.010)	(0.011)	(0.012)
Father: Normal dead	0.061***	0.045***	0.008
	(0.010)	(0.011)	(0.012)
Mother: Premature dead	0.054***	0.045***	0.028***
	(0.008)	(0.009)	(0.010)
Mother: Normal dead	0.034***	0.020**	-0.004

	(0.008)	(0.010)	(0.010)
Father profession:			
Senior managers and professionals	-0.040*** (0.011)	-0.041*** (0.015)	-0.041*** (0.014)
Technicians and associate professionals and armed forces	-0.014 (0.012)	-0.019 (0.017)	-0.000 (0.015)
Skilled agricultural and fishery workers	-0.003 (0.011)	-0.009 (0.015)	-0.030** (0.013)
Craftsmen and skilled workers	-0.009 (0.010)	-0.019 (0.013)	-0.023* (0.012)
Elementary occupations and unskilled workers	0.001 (0.010)	-0.002 (0.014)	-0.010 (0.013)
Unknown	-0.010 (0.011)	-0.010 (0.015)	-0.013 (0.014)
-----			
_cons	0.175*** (0.029)	0.060 (0.049)	-0.374*** (0.036)
<hr/>			
<i>N</i>	20 614	13 374	20 614
pseudo $R^2$	17.39 %	17.37 %	14.28 %

Table A10: Variance decomposition (female) - Robustness

Part of the variance			
	All	< 70	ACP
Education	5.48 % (1.264)	7.62% (1.171)	6.98 % (1.158)
Occupations	3.02% (2.766)	4.79 % (1.418)	5.03% (1.364)
Age	18.82% (1.766)	7.95 % (1.407)	42.70% (2.171)
Country	38.36% (3.057)	40.38 % (1.909)	27.50% (1.438)
Childhood conditions	31.54% (3.063)	38.06 % (1.952)	17.54 % (1.599)
Father's occupation	2.78% (1.266)	1.20 % (0.674)	0.25% (0.417)