

The role of parents' native and migrant contacts in the labour market in the school-to-work transition of adolescents in Germany

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Table A1: Mean values or percentages and number of cases of the key variables in the analyses without multiple imputation

Variables	Mean or percent	Number of cases
All		
Share of adolescents in dual VET (in %)	44.5	2,206
Number of named occupations: natives	6.9	2,152
Number of named occupations: migrants	0.7	2,152
Total number of named occupations	7.7	2,152
Average ISEI of all named occupations	55.8	2,150
Natives		
Share of adolescents in dual VET (in %)	47.9	1,780
Number of named occupations: natives	7.6	1,740
Number of named occupations: migrants	0.3	1,740
Total number of named occupations	7.8	1,740
Average ISEI of all named occupations	55.9	1,737
Migrants		
Share of adolescents in dual VET (in %)	30.3	426
Number of named occupations: natives	4.2	412
Number of named occupations: migrants	2.7	412
Total number of named occupations	7.0	412
Average ISEI of all named occupations	55.6	413
1st generation		
Share of adolescents in dual VET (in %)	25.9	85
Number of named occupations: natives	3.3	82
Number of named occupations: migrants	3.4	82
Total number of named occupations	6.8	82
Average ISEI of all named occupations	53.6	84
2nd generation		
Share of adolescents in dual VET (in %)	28.8	160
Number of named occupations: natives	2.9	153
Number of named occupations: migrants	3.8	153
Total number of named occupations	6.8	153
Average ISEI of all named occupations	56.2	154
2.5 generation		
Share of adolescents in dual VET (in %)	33.7	181
Number of named occupations: natives	5.8	177
Number of named occupations: migrants	1.4	177
Total number of named occupations	7.2	177
Average ISEI of all named occupations	56.0	175

Source: National Educational Panel Study (NEPS): Starting Cohort 4, authors' own calculations. Only respondents that have searched for a vocational training position are included.

Table A2: Linear probability regressions of being in dual VET in December 2012

	Model 1	Model 2	Model 3a (natives)	Model 3b (migrants)
Migrant generation (ref.: natives)				
1st generation	-0.220*** (0.045)	-0.165** (0.050)		
2nd generation	-0.175*** (0.033)	-0.111** (0.042)		0.061 (0.054)
2.5 generation	-0.095** (0.033)	-0.075* (0.034)		0.124* (0.059)
Number of named occupations				
Natives		0.011** (0.004)	0.010* (0.004)	0.014+ (0.008)
Migrants		-0.005 (0.007)	-0.018 (0.015)	0.003 (0.010)
Average ISEI of all named occupations		-0.003* (0.001)	-0.003* (0.001)	-0.003 (0.002)
Male	0.247*** (0.020)	0.249*** (0.020)	0.273*** (0.022)	0.156*** (0.046)
Books in household	-0.005 (0.008)	-0.005 (0.008)	-0.001 (0.009)	-0.024 (0.019)
Parents' highest education (ref.: lower secondary or below)				
Intermediate secondary (+ VET)	-0.002 (0.023)	-0.004 (0.023)	-0.009 (0.028)	-0.020 (0.048)
Upper secondary and above	-0.047 (0.030)	-0.048 (0.030)	-0.073* (0.035)	0.024 (0.055)
Parents' highest ISEI	-0.001* (0.001)	-0.001* (0.001)	-0.001 (0.001)	-0.003* (0.001)
Two-parent household	0.054* (0.026)	0.052* (0.026)	0.065* (0.030)	0.002 (0.054)
Ability score	-0.017 (0.014)	-0.018 (0.014)	-0.025+ (0.015)	0.027 (0.033)
Sampling school (ref.: lower secondary school)				
Comprehensive school	-0.022 (0.039)	-0.023 (0.039)	-0.014 (0.043)	-0.046 (0.062)
Intermediate secondary school	-0.010 (0.028)	-0.013 (0.028)	0.007 (0.031)	-0.111* (0.056)
Grade German	-0.016 (0.015)	-0.017 (0.015)	-0.017 (0.016)	-0.016 (0.034)
Grade math	0.035** (0.011)	0.034** (0.011)	0.041** (0.013)	0.006 (0.023)
Intercept	0.244** (0.077)	0.355*** (0.095)	0.284** (0.105)	0.413+ (0.217)
Number of cases	2,641	2,641	2,126	515

Source: National Educational Panel Study (NEPS): Starting Cohort 4, authors' own calculations. Missing data are multiply imputed (MID method). Federal state fixed effects, cluster robust standard errors (in parentheses). Reference category for migrant generation in Model 3b: 1st generation. Significance levels: + p<0.1, * p<0.05, ** p<0.01, *** p<0.001.

Table A3: Linear probability regressions of being in dual VET in December 2012 (including interaction of SES and competence scores)

	Model 1	Model 2	Model 3a (natives)	Model 3b (migrants)
Migrant generation (ref.: natives)				
1st generation	-0.219*** (0.045)	-0.165** (0.050)		
2nd generation	-0.173*** (0.033)	-0.110** (0.042)		0.067 (0.055)
2.5 generation	-0.095** (0.033)	-0.075* (0.034)		0.126* (0.059)
Number of named occupations				
Natives		0.010** (0.004)	0.010* (0.004)	0.014+ (0.008)
Migrants		-0.005 (0.007)	-0.018 (0.015)	0.002 (0.010)
Average ISEI of all named occupations		-0.003* (0.001)	-0.003* (0.001)	-0.002 (0.002)
Male	0.247*** (0.020)	0.248*** (0.020)	0.273*** (0.022)	0.157*** (0.047)
Books in household	-0.005 (0.008)	-0.005 (0.008)	-0.001 (0.009)	-0.024 (0.018)
Parents' highest education (ref.: lower secondary or below)				
Intermediate secondary (+ VET)	-0.002 (0.023)	-0.004 (0.023)	-0.009 (0.028)	-0.024 (0.049)
Upper secondary and above	-0.047 (0.030)	-0.048 (0.030)	-0.073* (0.035)	0.024 (0.055)
Parents' highest ISEI	-0.001* (0.001)	-0.001* (0.001)	-0.001 (0.001)	-0.003* (0.001)
Two-parent household	0.054* (0.026)	0.052* (0.026)	0.065* (0.030)	-0.001 (0.054)
Ability score	-0.005 (0.031)	-0.011 (0.031)	-0.024 (0.035)	0.086 (0.067)
x Parents' highest ISEI	-0.000 (0.001)	-0.000 (0.001)	-0.000 (0.001)	-0.002 (0.002)
Sampling school (ref.: lower secondary school)				
Comprehensive school	-0.022 (0.039)	-0.024 (0.039)	-0.014 (0.043)	-0.047 (0.062)
Intermediate secondary school	-0.010 (0.028)	-0.013 (0.028)	0.007 (0.031)	-0.107+ (0.056)
Grade German	-0.016 (0.015)	-0.017 (0.015)	-0.017 (0.016)	-0.013 (0.034)
Grade math	0.035** (0.011)	0.034** (0.011)	0.041** (0.013)	0.004 (0.023)
Intercept	0.245** (0.077)	0.355*** (0.095)	0.284** (0.105)	0.416+ (0.218)
Number of cases	2,641	2,641	2,126	515

Source: National Educational Panel Study (NEPS): Starting Cohort 4, authors' own calculations. Missing data are multiply imputed (MID method). Federal state fixed effects, cluster robust standard errors (in parentheses). Reference category for migrant generation in Model 3b: 1st generation. Significance levels: + p<0.1, * p<0.05, ** p<0.01, *** p<0.001.

Table A4: Native-migrant gaps and contribution of single network indicators (KHB)

	1st generation	2nd generation	2.5 generation	All
Initial gap	-0.220	-0.175	-0.095	-0.150
Final gap	-0.165	-0.111	-0.075	-0.106
Gap reduction	-0.055	-0.064	-0.020	-0.043
Reduction due to single network characteristics:				
Number of named occupations: natives	-0.037	-0.039	-0.014	-0.028
	<i>68.6%</i>	<i>60.5%</i>	<i>66.7%</i>	<i>64.9%</i>
Number of named occupations: migrants	-0.015	-0.017	-0.005	-0.012
	<i>27.4%</i>	<i>27.2%</i>	<i>25.9%</i>	<i>26.7%</i>
Average ISEI of all named occupations	-0.002	-0.008	-0.001	-0.004
	<i>4.0%</i>	<i>12.3%</i>	<i>7.3%</i>	<i>8.4%</i>
Number of cases	106	186	223	515

Source: National Educational Panel Study (NEPS): Starting Cohort 4, authors' own calculations.

Contribution is calculated using the KHB method. Contribution to total gap reduction in per cent in italics.

Values for all migrants together are calculated as the average value, weighted by group size. Missing data are multiply imputed (MID method). All percentages calculated using unrounded values.