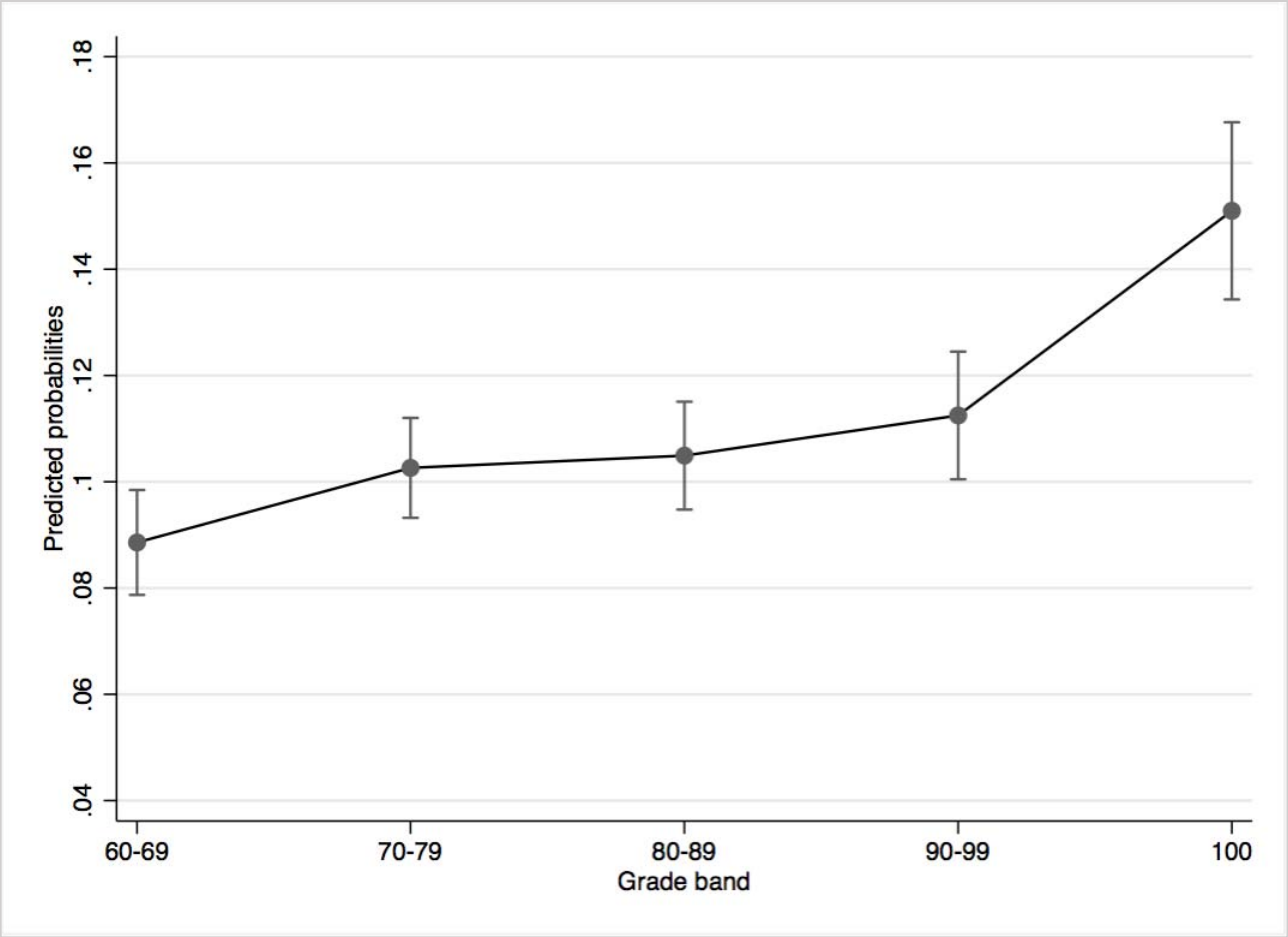


APPENDIX

Figure A1 Predicted probability of interregional student mobility of high-school leavers by high-school final grades



Note: Bands are 95 percent confidence intervals. Source: Own elaborations on Istat, 2011

Table A1 Parameter estimates for interregional and inter-area student mobility in Italy (odds ratio)

EQUATION 1	Interregional student mobility		From all regions → → To Centre-Northern regions		From all regions → → To Southern regions	
VARIABLES	Odds ratio (exp β)	Std. Error	Odds ratio (exp β)	Std. Error	Odds ratio (exp β)	Std. Error
Migrant ←						
Grade						
60–69	Base outcome		Base outcome		Base outcome	
70–79	1.183**	0.099	1.210**	0.111	1.012	0.185
80–89	1.214**	0.105	1.327***	0.125	0.768	0.154
90–99	1.320***	0.121	1.439***	0.144	0.844	0.179
100	1.875***	0.181	2.226***	0.229	0.603*	0.158
Mother's education						
Primary, lower secondary or none	Base outcome		Base outcome		Base outcome	
Upper secondary	1.202***	0.081	1.321***	0.098	0.787	0.121
Tertiary	1.474***	0.143	1.659***	0.172	0.690	0.190
Father's education						
Primary, lower secondary or none	Base outcome		Base outcome		Base outcome	
Upper secondary	1.081	0.072	1.144*	0.083	0.868	0.134
Tertiary	1.474***	0.137	1.566***	0.154	0.954	0.247
Liceo	1.427***	0.084	1.575***	0.099	0.798	0.125
Siblings (3+)	1.313***	0.139	1.316**	0.150	1.151	0.285
Female	0.862***	0.048	0.832***	0.050	1.047	0.143
Cohort						
1986 or before	1.070	0.160	1.214	0.193	0.599	0.255
1987	1.003	0.095	1.033	0.107	0.906	0.198
1988	Base outcome		Base outcome		Base outcome	
1989–90	1.019	0.119	1.023	0.128	1.071	0.292
GDP per capita Avg. 2004-2007 (region of origin)	0.989***	0.002	0.989***	0.002	0.989**	0.004
University quality Index (region of origin)	0.984***	0.005	1.008	0.007	0.872***	0.014
Presence of a mega university (region of origin)	0.467***	0.030	0.600***	0.042	0.172***	0.027
_constant	1.118	0.497	0.087***	0.042	13794.14***	16566.35
Log-likelihood		-27569.72		-27064.894		-23874.49
Number of observations		14 854		14 854		14 854

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EQUATION 2

VARIABLES	Odds ratio (exp β)	Std. Error
Grade ←		
Mother's education		
Primary, lower secondary or none	Base outcome	
Upper secondary	1.048	0.036
Tertiary	1.221***	0.068
Father's education		
Primary, lower secondary or none	Base outcome	
Upper secondary	1.033	0.036
Tertiary	1.136**	0.061
School		
Vocational	Base outcome	
Technical	0.797***	0.040
Teaching/Arts	0.726***	0.038
Liceo	0.653***	0.034
Public vs. private school		
Public	Base outcome	
Private	0.930	0.058
Siblings (3+)	0.965	0.060
Female	1.610***	0.052
Cohort		
1986 or earlier	0.352***	0.028
1987	0.291***	0.014
1988	Base outcome	
1989–90	1.270***	0.090
Cutpoints		
/cut1	-1.427***	0.054
/cut2	-0.144***	0.052
/cut3	0.883***	0.053
/cut4	2.066***	0.056

Note: Estimates are exponentiated coefficients of a logit (MIGRANT) and an ordinal logit (GRADE). Significance at 1% (***), 5% (**), 10% (*). Source: Own elaborations on Istat, 2011

Table A2 Estimates of region-level residuals from the variance components model

Region of school attendance	Estimate	Std. Error	Rank
Lombardy	-0.864	0.049	1
Lazio	-0.855	0.049	2
Tuscany	-0.794	0.052	3
Piedmont	-0.467	0.071	4
Campania	-0.313	0.082	5
Liguria	-0.312	0.082	6
Veneto	-0.306	0.082	7
Emilia-Romagna	-0.298	0.083	8
Friuli-Venezia Giulia	-0.275	0.084	9
Sardinia	-0.190	0.091	10
Sicily	-0.143	0.095	11
Trentino-Alto Adige	-0.093	0.100	12
Umbria	0.113	0.120	13
Calabria	0.258	0.136	14
Valle d'Aosta	0.340	0.146	15
Abruzzo	0.410	0.155	16
Marche	0.446	0.160	17
Puglia	0.620	0.184	18
Molise	1.373	0.324	19
Basilicata	1.469	0.345	20
Observations			14 854
Number of groups			20
Between-region variance (s.e.)		0.410 (0.134)	
Intra-class correlation			11.1%

Source: Own elaborations on Istat, 2011