

Appendix A. Data sources, interprovincial migration patterns and summary statistics.

Table A1. Data sources and definition of the human capital proxy.

Migration flows	ISTAT: https://www.istat.it/dati/ .
GDP per capita	Eurostat: https://ec.europa.eu/eurostat/databrowser/view/nama_10r_3gdp_custom_13286160/default/table?lang=en
Unemployment rate	ISTAT: https://www.istat.it/dati/
Population	ISTAT: https://www.istat.it/dati/
Human capital	ISTAT: https://www.istat.it/dati/ We compute the proxy for the human capital stock as the human capital of the resident population. We consider 18 years of schooling for individuals with ISCED 8, 7 and 6; 13 years for individuals with ISCED 5, 4 and 3; 8 years for individuals with ISCED 2; 3 years for the combined ISCED 1 and 0. We attached 3 years to the the combined ISCED 1 and 0 groups because starting from 1993, ISTAT merges these two groups into a single one and we cannot distinguish these two groups.
Quality-of-life index	Il Sole 24 Ore: https://lab24.ilsole24ore.com/qualita-della-vita/

Table A2: Summary statistics of the dependent variable.

Panel A: Total migrants					
Sample	Mean	Median	Std. Dev.	Min	Max
Full bilateral	47	12	169	0	7733
South to Centre-north	44	16	109	0	4112
Centre-north to South	24	10	53	0	1301
Intra-Centre-north	62	13	221	0	7733
Intra-South	46	8	201	0	6596
Panel B: Italians					
Sample	Mean	Median	Std. Dev.	Min	Max
Full bilateral	39	10	143	0	6436
South to Centre-north	39	14	102	0	3878
Centre-north to South	22	9	49	0	1232
Intra-Centre-north	48	9	178	0	5761
Intra-South	42	7	190	0	6436
Panel C: Foreigners					
Sample	Mean	Median	Std. Dev.	Min	Max
Full bilateral	8	2	30	0	1972
South to Centre-north	5	2	10	0	369
Centre-north to South	2	1	6	0	214
Intra-Centre-north	14	4	45	0	1972
Intra-South	4	1	15	0	755

Note: the dependent variable is the bilateral gross migration flows from the origin province i to the destination province j . Intraprovincial flows are excluded.

Table A3: Summary statistics for the independent variables at origin

Sample		Nationality-specific Population (thousands)			GDP per capita (thousands)	Unemp. Rate (%)	Human capital (Av. year sch.)	Quality-of-life (Index)
		Total migrants	Italians	Foreigners				
Full bilateral	Mean	546,04	514,49	34,49	24,55	9.75	9.58	487.57
	Median	380,51	358,94	19,93	24,70	8.31	9.61	493.33
	s.d.	583,88	542,48	0,53	6,84	5.52	0.81	54.90
	min	55,53	56,07	0,57	12,30	1.78	7.46	342.98
	max	4263,54	3764,43	509,06	55,80	31.46	11.46	641.49
South to Centre-north	Mean	522,20	515,07	13,88	17,96	15.25	9.17	439.16
	Median	390,31	382,07	9,47	17,50	14.54	9.29	431.90
	s.d.	506,45	495,88	15,32	3,04	4.83	0.68	42.24
	min	55,53	56,07	0,57	12,30	5.41	7.46	342.98
	max	3081,73	3038,81	127,80	29,30	31.46	10.69	574.63
Centre-north to South	Mean	559,63	514,03	46,51	28,52	6.63	9.82	515.05
	Median	363,90	335,28	28,50	28,10	6.18	9.92	514.16
	s.d.	623,76	567,13	63,36	5,23	2.76	0.79	40.34
	min	119,35	116,77	2,33	16,90	1.78	7.80	388.31
	max	4263,54	3764,43	509,06	55,80	18.72	11.46	641.49
Intra Centre-north	Mean	559,52	513,93	45,62	28,52	6.63	9.82	515.03
	Median	363,90	335,28	28,06	28,10	6.18	9.92	514.16
	s.d.	623,68	567,08	62,56	5,23	2.76	0.79	40.35
	min	119,35	116,77	2,33	16,90	1.78	7.80	388.31
	max	4263,54	3764,43	509,06	55,80	18.72	11.46	641.49
Intra South	Mean	523,27	516,02	14,22	17,97	15.25	9.17	439.07
	Median	390,34	382,99	9,75	17,50	14.54	9.29	431.89
	s.d.	507,11	496,64	15,54	3,04	4.83	0.68	42.18
	min	55,53	56,07	0,57	12,30	5.41	7.46	342.98
	max	3081,73	3038,81	127,80	29,30	31.46	10.69	574.63

Notes: The number of bilateral corridors (i.e., province-pairs) for total, Italian and foreign migration flows does not necessarily coincide. Hence, there are some small differences in summary statistics data for GDP per capita, unemployment rate, human capital, and quality-of-life for these three categories of migrants. In the table, for the sake of simplicity, the reported summary statistics refer to total bilateral migration flows.

Table A4: Summary statistics for the independent **variables at destination**

Sample		Nationality-specific Population (thousands)			GDP per capita (thousands)	Unemp. Rate (%)	Human capital (Av. year sch.)	Quality-of-life (Index)
		Total migrants	Italians	Foreigners				
Full bilateral	Mean	546,04	514,53	34,52	24,55	9.75	9.58	487.58
	Median	380,51	358,94	19,93	24,70	8.31	9.61	493.33
	s.d.	583,91	542,50	53,42	6,84	5.52	0.81	54.90
	min	55,53	56,07	0,57	12,30	1.78	7.46	342.98
	max	4263,54	3764,43	509,06	55,80	31.46	11.46	641.49
South to Centre-north	Mean	559,65	514,04	46,14	28,52	6.63	9.82	515.04
	Median	363,90	335,28	28,38	28,10	6.18	9.92	514.16
	s.d.	623,76	567,15	63,09	5,23	2.76	0.79	40.35
	min	119,35	116,77	2,33	16,90	1.78	7.80	388.31
	max	4263,54	3764,43	509,06	55,80	18.72	11.46	641.49
Centre-north to South	Mean	522,20	515,07	13,98	17,96	15.25	9.17	439.15
	Median	390,31	382,07	9,52	17,50	14.54	9.29	431.90
	s.d.	506,44	495,87	15,37	3,04	4.83	0.68	42.23
	min	55,53	56,07	0,57	12,30	5.41	7.46	342.98
	max	3081,73	3038,81	127,80	29,30	31.46	10.69	574.63
Intra Centre-north	Mean	559,52	513,93	45,62	28,52	6.63	9.82	515.03
	Median	363,90	335,28	28,06	28,10	6.18	9.92	514.16
	s.d.	623,68	567,08	62,56	5,23	2.76	0.79	40.35
	min	119,35	116,77	2,33	16,90	1.78	7.80	388.31
	max	4263,54	3764,43	509,06	55,80	18.72	11.46	641.49
Intra South	Mean	523,29	516,25	14,20	17,97	15.24	9.17	439.13
	Median	390,34	382,99	9,66	17,50	14.54	9.29	431.90
	s.d.	507,34	496,81	15,57	3,04	4.83	0.68	42.21
	min	55,53	56,07	0,57	12,30	5.41	7.46	342.98
	max	3081,73	3038,81	127,80	29,30	31.46	10.69	574.63

Notes: see Table A3.

Table A5. Top 20 bilateral corridors (i.e. province-pairs) for the **full bilateral sample**.

Total flows				Italians				Foreigners			
Origin	Destination	Year	Flows	Origin	Destination	Year	Flows	Origin	Destination	Year	Flows
Milano	Monza-Brianza	2019	7733	Napoli	Caserta	2008	6436	Milano	Monza-Brianza	2019	1972
Milano	Monza-Brianza	2012	7244	Napoli	Caserta	2007	6207	Milano	Monza-Brianza	2020	1650
Milano	Monza-Brianza	2020	6918	Napoli	Caserta	2006	6085	Milano	Monza-Brianza	2018	1598
Napoli	Caserta	2008	6596	Napoli	Caserta	2005	6011	Milano	Monza-Brianza	2012	1562
Milano	Monza-Brianza	2018	6531	Milano	Monza-Brianza	2019	5761	Milano	Monza-Brianza	2017	1485
Milano	Monza-Brianza	2017	6389	Milano	Monza-Brianza	2012	5682	Milano	Monza-Brianza	2016	1358
Napoli	Caserta	2007	6351	Napoli	Caserta	2010	5598	Milano	Monza-Brianza	2013	1346
Milano	Monza-Brianza	2011	6314	Napoli	Caserta	2009	5563	Monza-Brianza	Milano	2012	1339
Napoli	Caserta	2006	6258	Napoli	Caserta	2011	5515	Monza-Brianza	Milano	2013	1322
Milano	Monza-Brianza	2016	6204	Napoli	Caserta	2012	5473	Milano	Monza-Brianza	2014	1227
Napoli	Caserta	2005	6148	Milano	Monza-Brianza	2020	5268	Milano	Monza-Brianza	2011	1204
Milano	Monza-Brianza	2010	6058	Napoli	Caserta	2004	5266	Milano	Monza-Brianza	2010	1148
Milano	Monza-Brianza	2013	5970	Milano	Monza-Brianza	2011	5110	Monza-Brianza	Milano	2014	1129
Napoli	Caserta	2012	5822	Milano	Monza-Brianza	2018	4933	Milano	Monza-Brianza	2015	1099
Milano	Monza-Brianza	2015	5776	Milano	Monza-Brianza	2010	4910	Monza-Brianza	Milano	2019	1047
Napoli	Caserta	2010	5771	Milano	Monza-Brianza	2017	4904	Milano	Pavia	2006	1045
Napoli	Caserta	2009	5737	Napoli	Caserta	2013	4853	Milano	Pavia	2019	1040
Napoli	Caserta	2011	5724	Milano	Monza-Brianza	2016	4846	Monza-Brianza	Milano	2016	983
Milano	Pavia	2006	5666	Napoli	Caserta	2018	4684	Monza-Brianza	Milano	2011	979
Milano	Monza-Brianza	2014	5596	Milano	Monza-Brianza	2015	4677	Milano	Varese	2019	940

Table A6. Top 20 bilateral corridors (i.e. province-pairs) for **South to Centre-north sample**.

Total flows				Italians				Foreigners			
Origin	Destination	Year	Flows	Origin	Destination	Year	Flows	Origin	Destination	Year	Flows
Napoli	Roma	2012	4112	Napoli	Roma	2012	3878	Napoli	Roma	2019	369
Napoli	Roma	2008	3252	Napoli	Roma	2008	3127	Napoli	Roma	2020	304
Napoli	Roma	2011	2992	Napoli	Roma	2010	2826	Napoli	Milano	2019	298
Napoli	Roma	2013	2969	Napoli	Roma	2011	2821	Napoli	Roma	2016	254
Napoli	Roma	2010	2953	Napoli	Roma	2013	2755	Napoli	Milano	2006	247
Napoli	Roma	2006	2715	Napoli	Roma	2006	2614	Napoli	Roma	2017	245
Napoli	Roma	2009	2669	Napoli	Roma	2005	2607	Napoli	Milano	2017	245
Napoli	Roma	2005	2646	Napoli	Roma	2002	2590	Napoli	Roma	2018	240
Napoli	Roma	2002	2639	Napoli	Roma	2007	2562	Napoli	Roma	2012	234
Napoli	Roma	2007	2621	Napoli	Roma	2009	2512	Napoli	Milano	2020	223
Napoli	Roma	2014	2585	Napoli	Roma	2003	2488	Napoli	Roma	2015	219
Napoli	Roma	2003	2568	Napoli	Roma	2014	2400	Napoli	Prato	2019	217
Napoli	Milano	2019	2506	Napoli	Roma	2004	2354	Napoli	Roma	2013	214
Napoli	Roma	2004	2448	Napoli	Milano	2019	2208	Napoli	Milano	2012	212
Napoli	Roma	2019	2442	Napoli	Roma	2015	2172	Napoli	Milano	2018	209
Napoli	Roma	2015	2391	Napoli	Roma	2017	2131	Napoli	Milano	2004	203
Napoli	Roma	2017	2376	Napoli	Roma	2016	2087	Napoli	Milano	2002	198
Napoli	Roma	2016	2341	Napoli	Milano	2018	2080	Napoli	Milano	2014	193
Napoli	Milano	2018	2289	Napoli	Roma	2019	2073	Napoli	Milano	2015	192
Napoli	Milano	2012	2222	Napoli	Milano	2012	2010	Napoli	Roma	2014	185

Table A7. Top 20 bilateral corridors (i.e. province-pairs) for **Centre-north to South sample**.

Total flows				Italians				Foreigners			
Origin	Destination	Year	Flows	Origin	Destination	Year	Flows	Origin	Destination	Year	Flows
Roma	L'Aquila	2005	1301	Roma	L'Aquila	2005	1232	Prato	Napoli	2014	214
Roma	Napoli	2017	1241	Roma	L'Aquila	2008	1102	Roma	Napoli	2015	213
Roma	Napoli	2016	1240	Roma	Napoli	2012	1099	Roma	Napoli	2016	204
Roma	Napoli	2015	1213	Roma	Napoli	2017	1059	Roma	Napoli	2017	182
Roma	Napoli	2012	1213	Roma	Napoli	2013	1043	Roma	Napoli	2014	180
Roma	L'Aquila	2008	1203	Roma	Napoli	2016	1036	Roma	Napoli	2019	158
Roma	Napoli	2013	1171	Roma	Napoli	2020	1015	Roma	Napoli	2018	153
Roma	Napoli	2014	1151	Roma	Napoli	2015	1000	Roma	Crotone	2015	151
Roma	Napoli	2019	1132	Roma	Napoli	2019	974	Ascoli Piceno	Teramo	2012	141
Roma	Napoli	2020	1132	Roma	Napoli	2014	971	Milano	Napoli	2014	140
Roma	Napoli	2018	1072	Roma	Napoli	2008	971	Milano	Napoli	2019	137
Roma	Napoli	2008	1047	Roma	Napoli	2018	919	Milano	Napoli	2015	129
Roma	L'Aquila	2012	1007	Roma	Napoli	2009	904	Roma	Napoli	2013	128
Roma	Napoli	2009	972	Roma	L'Aquila	2007	895	Firenze	Napoli	2014	126
Roma	Napoli	2010	958	Roma	L'Aquila	2002	893	Roma	L'Aquila	2012	125
Roma	L'Aquila	2007	956	Roma	L'Aquila	2006	884	Roma	L'Aquila	2019	120
Roma	L'Aquila	2006	948	Roma	L'Aquila	2012	882	Roma	Napoli	2020	117
Roma	L'Aquila	2002	929	Roma	Napoli	2002	876	Roma	Napoli	2012	114
Roma	Napoli	2002	918	Roma	Napoli	2010	875	Milano	Napoli	2013	111
Roma	Napoli	2005	899	Roma	Napoli	2003	859	Roma	L'Aquila	2020	108

Table A8. Top 20 bilateral corridors (i.e. province-pairs) for **intra-Centre-north sample**.

Total flows				Italians				Foreigners			
Origin	Destination	Year	Flows	Origin	Destination	Year	Flows	Origin	Destination	Year	Flows
Milano	Monza-Brianza	2019	7733	Milano	Monza-Brianza	2019	5761	Milano	Monza-Brianza	2019	1972
Milano	Monza-Brianza	2012	7244	Milano	Monza-Brianza	2012	5682	Milano	Monza-Brianza	2020	1650
Milano	Monza-Brianza	2020	6918	Milano	Monza-Brianza	2020	5268	Milano	Monza-Brianza	2018	1598
Milano	Monza-Brianza	2018	6531	Milano	Monza-Brianza	2011	5110	Milano	Monza-Brianza	2012	1562
Milano	Monza-Brianza	2017	6389	Milano	Monza-Brianza	2018	4933	Milano	Monza-Brianza	2017	1485
Milano	Monza-Brianza	2011	6314	Milano	Monza-Brianza	2010	4910	Milano	Monza-Brianza	2016	1358
Milano	Monza-Brianza	2016	6204	Milano	Monza-Brianza	2017	4904	Milano	Monza-Brianza	2013	1346
Milano	Monza-Brianza	2010	6058	Milano	Monza-Brianza	2016	4846	Monza-Brianza	Milano	2012	1339
Milano	Monza-Brianza	2013	5970	Milano	Monza-Brianza	2015	4677	Monza-Brianza	Milano	2013	1322
Milano	Monza-Brianza	2015	5776	Milano	Monza-Brianza	2013	4624	Milano	Monza-Brianza	2014	1227
Milano	Pavia	2006	5666	Milano	Pavia	2006	4621	Milano	Monza-Brianza	2011	1204
Milano	Monza-Brianza	2014	5596	Milano	Monza-Brianza	2014	4369	Milano	Monza-Brianza	2010	1148
Milano	Pavia	2007	5203	Milano	Pavia	2007	4268	Monza-Brianza	Milano	2014	1129
Milano	Pavia	2008	5107	Milano	Pavia	2008	4222	Milano	Monza-Brianza	2015	1099
Milano	Varese	2006	5061	Milano	Varese	2006	4203	Monza-Brianza	Milano	2019	1047
Monza-Brianza	Milano	2012	5019	Milano	Pavia	2005	3913	Milano	Pavia	2006	1045
Monza-Brianza	Milano	2013	4845	Milano	Pavia	2004	3857	Milano	Pavia	2019	1040
Monza-Brianza	Milano	2019	4838	Monza-Brianza	Milano	2019	3791	Monza-Brianza	Milano	2016	983
Monza-Brianza	Milano	2014	4658	Milano	Varese	2007	3790	Monza-Brianza	Milano	2011	979
Milano	Pavia	2005	4581	Milano	Pavia	2002	3786	Milano	Varese	2019	940

Table A9. Top 20 bilateral corridors (i.e. province-pairs) for **intra-South sample**.

Total flows				Italians				Foreigners			
Origin	Destination	Year	Flows	Origin	Destination	Year	Flows	Origin	Destination	Year	Flows
Napoli	Caserta	2008	6596	Napoli	Caserta	2008	6436	Crotone	Reggio Calabria	2019	755
Napoli	Caserta	2007	6351	Napoli	Caserta	2007	6207	Reggio Calabria	Crotone	2019	686
Napoli	Caserta	2006	6258	Napoli	Caserta	2006	6085	Catania	Agrigento	2020	419
Napoli	Caserta	2005	6148	Napoli	Caserta	2005	6011	Agrigento	Catania	2020	410
Napoli	Caserta	2012	5822	Napoli	Caserta	2010	5598	Napoli	Caserta	2019	394
Napoli	Caserta	2010	5771	Napoli	Caserta	2009	5563	Napoli	Caserta	2020	390
Napoli	Caserta	2009	5737	Napoli	Caserta	2011	5515	Caserta	Napoli	2016	370
Napoli	Caserta	2011	5724	Napoli	Caserta	2012	5473	Napoli	Caserta	2018	367
Napoli	Caserta	2004	5394	Napoli	Caserta	2004	5266	Napoli	Caserta	2012	349
Napoli	Caserta	2013	5126	Napoli	Caserta	2013	4853	Napoli	Caserta	2017	313
Napoli	Caserta	2018	5051	Napoli	Caserta	2018	4684	Palermo	Trapani	2017	303
Napoli	Caserta	2019	5032	Napoli	Caserta	2019	4638	Caserta	Napoli	2015	300
Napoli	Caserta	2020	4793	Napoli	Caserta	2016	4495	Caserta	Napoli	2019	290
Napoli	Caserta	2016	4768	Napoli	Caserta	2020	4403	Caserta	Napoli	2017	286
Napoli	Caserta	2017	4658	Napoli	Caserta	2017	4345	Napoli	Caserta	2016	273
Napoli	Caserta	2014	4602	Napoli	Caserta	2014	4340	Caserta	Napoli	2013	273
Napoli	Caserta	2015	4507	Napoli	Caserta	2015	4318	Napoli	Caserta	2013	273
Napoli	Caserta	2003	4309	Napoli	Caserta	2003	4211	Napoli	Caserta	2014	262
Napoli	Caserta	2002	3865	Napoli	Caserta	2002	3778	Caserta	Napoli	2014	256
Caserta	Napoli	2012	3810	Caserta	Napoli	2012	3614	Salerno	Napoli	2007	234

Appendix B. Estimation results with total population.

Table B1. Estimation results for the sample of full bilateral interprovincial migration flows in Italy.

	(1)	(2)	(3)	(4)
	Variables at the origin		Variables at the destination	
	Italians	Foreigners	Italians	Foreigners
Population (total)	1.27*** [0.06]	1.10*** [0.07]	1.04*** [0.06]	0.81*** [0.07]
GDP per capita	-0.08** [0.03]	-0.31*** [0.03]	0.47*** [0.03]	0.12*** [0.03]
Unempl. rate	0.01* [0.01]	0.09*** [0.01]	-0.00 [0.01]	-0.15*** [0.01]
Human capital	0.64*** [0.14]	-1.42*** [0.14]	1.36*** [0.13]	-1.88*** [0.15]
Quality-of-life	-0.27*** [0.03]	0.01 [0.04]	-0.11*** [0.04]	-0.20*** [0.04]
Obs	201,385	198,531	201,371	198,482
R-sq.	0.89	0.80	0.89	0.79
VIF (mean)	2.91	2.91	2.91	2.90
F test	350000	66888.61	170000	66156.88
[p-value]	[0.000]	[0.000]	[0.000]	[0.000]
	Residual diagnostics			
CDw	0.29	0.50	-0.41	-1.16
[p-value]	[0.774]	[0.618]	[0.680]	[0.245]
CD*	1.59	12.63	2.28	12.64
[p-value]	[0.112]	[0.000]	[0.023]	[0.000]

Notes: See Table 1 of the main text for further details.

Table B2. Estimation results for the sample of South to Centre-north interprovincial migration flows.

	(1)	(2)	(3)	(4)
	Variables at the origin		Variables at the destination	
	Italians	Foreigners	Italians	Foreigners
Population (total)	1.88*** [0.16]	1.85*** [0.19]	-0.18 [0.13]	1.06*** [0.16]
GDP per capita	-0.38*** [0.06]	-0.04 [0.07]	0.84*** [0.07]	0.14* [0.08]
Unempl. rate	0.05*** [0.02]	0.02 [0.02]	-0.09*** [0.01]	-0.18*** [0.02]
Human capital	3.62*** [0.32]	-0.16 [0.38]	-1.33*** [0.25]	-2.34*** [0.31]
Quality-of-life	-0.62*** [0.07]	-0.20** [0.08]	0.06 [0.08]	-0.01 [0.09]
Obs	46,056	45,641	47,742	47,024
R-sq.	0.90	0.72	0.89	0.71
VIF (mean)	1.56	1.56	1.89	1.89
F test	7903.26	2886.16	8034.48	3076.41
[p-value]	[0.000]	[0.000]	[0.000]	[0.000]
	Residual diagnostics			
CDw	0.00	0.70	-1.24	-0.57
[p-value]	[0.999]	[0.481]	[0.214]	[0.571]
CD*	0.82	2.31	-0.12	2.04
[p-value]	[0.412]	[0.021]	[0.901]	[0.042]

Notes: See Table 1 of the main text for further details.

Table B3. Estimation results for the sample of Centre-north to South interprovincial migration flows.

	(1)	(2)	(3)	(4)
	Variables at the origin		Variables at the destination	
	Italians	Foreigners	Italians	Foreigners
Population (total)	0.65*** [0.15]	2.05*** [0.13]	0.61*** [0.19]	1.44*** [0.16]
GDP per capita	0.30*** [0.07]	-0.19*** [0.06]	-0.23*** [0.07]	0.11* [0.06]
Unempl. rate	0.00 [0.02]	0.02* [0.01]	0.01 [0.02]	-0.01 [0.02]
Human capital	-1.01*** [0.30]	-0.11 [0.24]	4.32*** [0.37]	0.15 [0.33]
Quality-of-life	-0.02 [0.09]	-0.07 [0.07]	-0.71*** [0.08]	-0.90*** [0.07]
Obs	47,744	46,586	46,056	45,238
R-sq.	0.84	0.64	0.84	0.63
VIF (mean)	1.89	1.90	1.56	1.56
F test	7743.01	2608.66	7462.05	2150.61
[p-value]	[0.000]	[0.000]	[0.000]	[0.000]
	Residual diagnostics			
CDw	1.38	-0.59	-0.55	-0.32
[p-value]	[0.167]	[0.554]	[0.582]	[0.748]
CD*	-1.212	27.71	-1.51	23.27
[p-value]	[0.228]	[0.000]	[0.130]	[0.000]

Notes: See Table 1 of the main text for further details.

Table B4. Estimation results for the sample of intra-Centre-north interprovincial migration flows.

	(1)	(2)	(3)	(4)
	Variables at the origin		Variables at the destination	
	Italians	Foreigners	Italians	Foreigners
Population (total)	1.40*** [0.10]	1.56*** [0.11]	1.03*** [0.10]	1.71*** [0.12]
GDP per capita	0.05 [0.05]	0.04 [0.06]	0.71*** [0.05]	0.29*** [0.06]
Unempl. rate	-0.01 [0.01]	0.10*** [0.01]	-0.00 [0.01]	-0.13*** [0.01]
Human capital	0.25 [0.21]	0.68*** [0.23]	-0.10 [0.20]	-1.33*** [0.23]
Quality-of-life	-0.02 [0.06]	-0.27*** [0.07]	0.16*** [0.06]	-0.06 [0.07]
Obs	81,736	81,650	81,737	81,651
R-sq.	0.89	0.83	0.89	0.83
VIF (mean)	1.89	1.89	1.89	1.89
F test	120000	79902.70	120000	79902.70
[p-value]	[0.000]	[0.000]	[0.000]	[0.000]
	Residual diagnostics			
CDw	2.65	3.55	0.48	-2.57
[p-value]	[0.008]	[0.000]	[0.631]	[0.010]
CD*	1.63	2.08	1.16	2.83
[p-value]	[0.102]	[0.037]	[0.245]	[0.005]

Notes: See Table 1 of the main text for further details.

Table B5. Estimation results for the sample of intra-South interprovincial migration flows.

	(1)	(2)	(3)	(4)
	Variables at the origin		Variables at the destination	
	Italians	Foreigners	Italians	Foreigners
Population (total)	1.11*** [0.24]	1.27*** [0.23]	0.56** [0.24]	0.62*** [0.24]
GDP per capita	-0.32*** [0.09]	-0.58*** [0.09]	0.03 [0.09]	-0.04 [0.09]
Unempl. rate	-0.02 [0.02]	-0.01 [0.02]	-0.02 [0.02]	0.06** [0.02]
Human capital	2.78*** [0.47]	-1.81*** [0.46]	1.09** [0.46]	-1.44*** [0.48]
Quality-of-life	-0.53*** [0.10]	-0.01 [0.10]	-0.42*** [0.10]	-0.30*** [0.10]
Obs	25,849	24,654	25,836	24,569
R-sq.	0.91	0.78	0.91	0.76
VIF (mean)	1.56	1.55	1.56	1.56
F test	49859.54	7979.07	50207.44	8036.59
[p-value]	[0.000]	[0.000]	[0.000]	[0.000]
	Residual diagnostics			
CDw	-0.61	-0.93	1.29	-0.88
[p-value]	[0.544]	[0.351]	[0.196]	[0.377]
CD*	6.35	16.33	0.63	12.55
[p-value]	[0.000]	[0.000]	[0.532]	[0.000]

Notes: see Table 1.

Appendix C. Estimation results with Italian and foreign population.

Table C1. Estimation results for the sample of full bilateral interprovincial migration flows in Italy.

	(1)	(2)	(3)	(4)	(5)	(6)
	Variables at the origin			Variables at the destination		
	Total migrants	Italians	Foreigners	Total migrants	Italians	Foreigners
Population	1.19***	1.37***	0.83***	0.72***	0.99***	1.32***
(Italians)	[0.08]	[0.08]	[0.08]	[0.08]	[0.08]	[0.09]
Population	0.19***	0.08***	0.42***	-0.05***	-0.14***	0.25***
(Foreigners)	[0.01]	[0.01]	[0.01]	[0.01]	[0.01]	[0.01]
GDP per capita	-0.11***	-0.07**	-0.07*	0.28***	0.35***	0.28***
	[0.03]	[0.03]	[0.03]	[0.03]	[0.03]	[0.03]
Unempl. rate	0.09***	0.04***	0.15***	-0.01**	0.01	-0.12***
	[0.01]	[0.01]	[0.01]	[0.01]	[0.01]	[0.01]
Human capital	1.03***	1.04***	-0.04	0.90***	1.19***	-1.25***
	[0.13]	[0.14]	[0.14]	[0.13]	[0.13]	[0.15]
Quality-of-life	-0.16***	-0.23***	0.21***	-0.13***	-0.14***	-0.12***
	[0.03]	[0.04]	[0.04]	[0.03]	[0.04]	[0.04]
Obs	198,620	198,611	198,529	198,569	198,562	198,478
R-sq.	0.89	0.89	0.80	0.89	0.88	0.79
VIF	4.66	4.66	4.66	4.65	4.65	4.65
F test	79424.53	79998.00	45787.30	78798.59	79742.79	57227.55
[p-value]	[0.000]	[0.000]	[0.000]	[0.000]	[0.000]	[0.000]
Residual diagnostics						
CDw	-0.74	0.74	-1.51	-1.80	1.49	-0.82
[p-value]	[0.459]	[0.458]	[0.131]	[0.073]	[0.137]	[0.415]
CD*	5.21	3.49	31.58	0.66	-1.35	22.64
[p-value]	[0.000]	[0.000]	[0.000]	[0.512]	[0.176]	[0.000]

Notes: See Table 1 of the main text for further details.

Table C2. Estimation results for the sample of South to Centre-north interprovincial migration flows.

	(1)	(2)	(3)	(4)	(5)	(6)
	Variables at the origin			Variables at the destination		
	Total migrants	Italians	Foreigners	Total migrants	Italians	Foreigners
Population	1.74***	1.32***	1.93***	-0.40***	-0.14	1.09***
(Italians)	[0.17]	[0.18]	[0.21]	[0.15]	[0.15]	[0.19]
Population	-0.02	-0.13***	0.47***	0.18***	0.13***	0.29***
(Foreigners)	[0.02]	[0.02]	[0.03]	[0.02]	[0.02]	[0.03]
GDP per capita	-0.39***	-0.46***	0.12	0.83***	0.95***	0.29***
	[0.06]	[0.06]	[0.07]	[0.07]	[0.07]	[0.08]
Unempl. rate	0.09***	0.07***	0.04*	-0.11***	-0.09***	-0.19***
	[0.02]	[0.02]	[0.02]	[0.01]	[0.01]	[0.02]
Human capital	3.49***	3.64***	0.00	-1.63***	-1.39***	-2.33***
	[0.31]	[0.32]	[0.38]	[0.24]	[0.25]	[0.31]
Quality-of-life	-0.68***	-0.67***	-0.06	0.03	0.10	0.05
	[0.07]	[0.07]	[0.08]	[0.08]	[0.08]	[0.09]
Obs	45,660	45,657	45,641	47,054	47,054	47,024
R-sq.	0.89	0.90	0.72	0.89	0.89	0.71
VIF	3.41	3.41	3.41	4.02	4.02	4.02
F test	3711.92	6760.40	1474.56	3306.03	3712.72	1439.29
[p-value]	[0.000]	[0.000]	[0.000]	[0.000]	[0.000]	[0.000]
	Residual diagnostics					
CDw	-0.61	0.97	0.85	-0.03	-0.78	-0.42
[p-value]	[0.545]	[0.330]	[0.395]	[0.978]	[0.436]	[0.674]
CD*	0.98	1.15	4.07	-1.34	-0.77	1.98
[p-value]	[0.325]	[0.250]	[0.000]	[0.179]	[0.440]	[0.048]

Notes: See Table 1 of the main text for further details.

Table C3. Estimation results for the sample of Centre-north to South interprovincial migration flows.

	(1)	(2)	(3)	(4)	(5)	(6)
	Variables at the origin			Variables at the destination		
	Total migrants	Italians	Foreigners	Total migrants	Italians	Foreigners
Population (Italians)	0.41** [0.17]	0.57*** [0.17]	1.60*** [0.15]	0.35* [0.20]	0.47** [0.20]	1.66*** [0.18]
Population (Foreigners)	0.51*** [0.03]	0.45*** [0.03]	0.27*** [0.02]	-0.14*** [0.02]	-0.18*** [0.02]	0.11*** [0.02]
GDP per capita	0.48*** [0.08]	0.56*** [0.08]	-0.11* [0.06]	-0.20*** [0.07]	-0.31*** [0.07]	0.15** [0.06]
Unempl. rate	-0.00 [0.02]	-0.00 [0.02]	0.02* [0.01]	0.02 [0.02]	0.02 [0.02]	0.00 [0.02]
Human capital	-0.81*** [0.29]	-0.99*** [0.30]	0.05 [0.24]	4.59*** [0.37]	4.33*** [0.37]	0.20 [0.33]
Quality-of-life	0.06 [0.09]	0.10 [0.09]	0.01 [0.07]	-0.87*** [0.08]	-0.80*** [0.08]	-0.90*** [0.07]
Obs	46,621	46,621	46,586	45,260	45,259	45,238
R-sq.	0.84	0.84	0.64	0.84	0.84	0.63
VIF	4.01	4.01	4.01	3.42	3.42	3.42
F test	3377.86	3584.81	1189.10	3508.38	3738.81	1613.56
[p-value]	[0.000]	[0.000]	[0.000]	[0.000]	[0.000]	[0.000]
Residual diagnostics						
CDw	0.27	-2.09	-0.59	0.13	0.90	-1.47
[p-value]	[0.790]	[0.036]	[0.553]	[0.899]	[0.368]	[0.141]
CD*	-1.52	-1.48	17.29	-1.41	-1.82	22.73
[p-value]	[0.128]	[0.138]	[0.000]	[0.158]	[0.069]	[0.000]

Notes: See Table 1 of the main text for further details.

Table C4. Estimation results for the sample of intra-Centre-north interprovincial migration flows.

	(1)	(2)	(3)	(4)	(5)	(6)
	Variables at the origin			Variables at the destination		
	Total migrants	Italians	Foreigners	Total migrants	Italians	Foreigners
Population	1.11***	1.44***	0.29**	1.04***	1.39***	1.10***
(Italians)	[0.11]	[0.12]	[0.14]	[0.11]	[0.12]	[0.14]
Population	0.31***	0.19***	0.46***	0.02	-0.09***	0.30***
(Foreigners)	[0.02]	[0.02]	[0.02]	[0.02]	[0.02]	[0.02]
GDP per capita	0.15***	0.12**	0.24***	0.50***	0.63***	0.40***
	[0.05]	[0.05]	[0.06]	[0.05]	[0.05]	[0.06]
Unempl. rate	0.03***	-0.01	0.10***	-0.05***	0.00	-0.13***
	[0.01]	[0.01]	[0.01]	[0.01]	[0.01]	[0.01]
Human capital	0.64***	0.30	0.91***	-0.36*	-0.09	-1.17***
	[0.19]	[0.21]	[0.23]	[0.19]	[0.20]	[0.23]
Quality-of-life	-0.03	0.01	-0.09	0.10	0.11*	0.04
	[0.06]	[0.06]	[0.07]	[0.06]	[0.06]	[0.07]
Obs	81,670	81,664	81,650	81,670	81,665	81,651
R-sq.	0.90	0.89	0.83	0.90	0.89	0.83
VIF	4.00	4.00	4.00	4.00	4.00	4.00
F test	57554.40	68480.81	25317.44	56125.28	110000	23685.00
[p-value]	[0.000]	[0.000]	[0.000]	[0.000]	[0.000]	[0.000]
	Residual diagnostics					
CDw	2.08	-1.30	-2.21	0.83	0.70	3.89
[p-value]	[0.038]	[0.194]	[0.027]	[0.408]	[0.486]	[0.000]
CD*	0.44	1.61	2.07	3.87	0.47	3.42
[p-value]	[0.659]	[0.107]	[0.039]	[0.000]	[0.637]	[0.001]

Notes: See Table 1 of the main text for further details.

Table C5. Estimation results for the sample of intra-South interprovincial migration flows.

	(1)	(2)	(3)	(4)	(5)	(6)
	Variables at the origin			Variables at the destination		
	Total migrants	Italians	Foreigners	Total migrants	Italians	Foreigners
Population	1.11***	1.14***	1.22***	0.23	0.62**	1.17***
(Italians)	[0.27]	[0.27]	[0.26]	[0.27]	[0.27]	[0.27]
Population	0.12***	0.01	0.34***	0.16***	0.07**	0.26***
(Foreigners)	[0.03]	[0.03]	[0.03]	[0.03]	[0.03]	[0.03]
GDP per capita	-0.51***	-0.34***	-0.47***	0.02	0.05	0.07
	[0.09]	[0.09]	[0.09]	[0.09]	[0.09]	[0.09]
Unempl. rate	0.00	-0.00	0.01	0.03	-0.01	0.07***
	[0.02]	[0.02]	[0.02]	[0.02]	[0.02]	[0.02]
Human capital	2.32***	3.01***	-1.69***	0.77	1.20**	-1.35***
	[0.48]	[0.48]	[0.46]	[0.47]	[0.47]	[0.48]
Quality-of-life	-0.66***	-0.60***	0.10	-0.47***	-0.44***	-0.26**
	[0.10]	[0.10]	[0.10]	[0.10]	[0.10]	[0.10]
Obs	24,669	24,669	24,652	24,585	24,584	24,565
R-sq.	0.91	0.91	0.78	0.91	0.91	0.76
VIF	3.393.39	3.39	3.39	3.39	3.39	3.39
F test	21607.12	22314.75	3735.61	21703.86	22399.06	3754.22
[p-value]	[0.000]	[0.000]	[0.000]	[0.000]	[0.000]	[0.000]
	Residual diagnostics					
CDw	0.54	-0.74	0.21	-0.99	-0.30	-0.98
[p-value]	[0.589]	[0.462]	[0.833]	[0.321]	[0.762]	[0.328]
CD*	-1.62	1.20	64.13	1.21	-0.40	23.03
[p-value]	[0.106]	[0.231]	[0.000]	[0.225]	[0.691]	[0.000]

Notes: See Table 1 of the main text for further details.

Appendix D. Test for equality of estimated coefficients.

Table D1. Coefficient equality test.

	Full bilateral		South to Centre-north		Centre-north to South		Intra-Centre-north		Intra-South	
	Origin	Destination	Origin	Destination	Origin	Destination	Origin	Destination	Origin	Destination
Population										
z	10.60	12.55	6.16	-2.76	1,69	2.95	8.26	11,07	2.90	1.14
P> z	0.000	0.000	0.000	0.006	0.091	0.003	0.000	0.000	0.004	0.253
GDP per capita										
z	-0.44	4.53	-4.63	6.01	4,46	-3.35	-2.91	404	1.52	0.03
P> z	0.657	0.000	0.000	0.000	0.000	0.001	0.004	0.000	0.129	0.974
Unempl. rate										
z	-11.76	12.90	1.20	4.58	-1,03	0.50	-6.44	7.60	-0.37	-2.46
P> z	0.000	0.000	0.232	0.000	0.304	0.620	0.000	0.000	0.709	0.014
Human capital										
z	3.53	12.27	7.46	2.03	-3,41	8.49	-2.09	2,99	6.93	3.76
P> z	0.000	0.000	0.000	0.043	0.001	0.000	0.036	0.003	0.000	0.000
Quality-of-life										
z	-10.10	-0.89	-6.86	-0.45	-0,99	0.59	0.43	0,37	-5.34	-1.84
P> z	0.000	0.372	0.000	0.651	0.323	0.558	0.665	0.707	0.000	0.065

Note: The table reports z-values and p-values of the test for equality of estimated coefficients between Italians and foreigners.