

Online Appendix

Table 1: Treatment Effects on Annual Flow of Out-Migration With and Without Spouse

	Females 25-44 in Current Year				Males 30-49 in Current Year			
	Total		Domestic		Total		Domestic	
	W/ Spouse (1)	W/out Spouse (2)	W/ Spouse (3)	W/out Spouse (4)	W/ Spouse (5)	W/out Spouse (6)	W/ Spouse (7)	W/out Spouse (8)
<i>Panel A: Single-difference estimates</i>								
1979-81	0.0004 (0.0008)	-0.0024 (0.0012)*	0.0007 (0.0008)	-0.0012 (0.0011)	0.0019 (0.0011)+	-0.0019 (0.0018)	0.0026 (0.0010)*	-0.0011 (0.0014)
1983-88	-0.0014 (0.0007)*	-0.0018 (0.0009)+	-0.0022 (0.0006)**	-0.0020 (0.0009)*	-0.0026 (0.0009)**	-0.0029 (0.0013)*	-0.0028 (0.0008)**	-0.0030 (0.0010)**
1989-91	-0.0007 (0.0010)	-0.0015 (0.0017)	-0.0006 (0.0008)	-0.0017 (0.0017)	-0.0000 (0.0012)	-0.0027 (0.0023)	-0.0004 (0.0009)	-0.0032 (0.0017)+
<i>Panel B: Single-difference estimates – percent change</i>								
1979-81	6	-26	12	-15	24	-15	38	-11
1983-88	-13	-12	-22	-14	-18	-18	-22	-24
1989-91	-6	-7	-8	-9	0	-12	-4	-23
<i>Panel C: P-value for double-difference estimates</i>								
1983-88	0.062	0.650	0.001	0.508	0.001	0.629	0.000	0.252
1991-89	0.387	0.675	0.218	0.769	0.202	0.761	0.027	0.303
Adjusted R ²	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Observations	196,338	196,338	196,338	196,338	150,361	150,361	150,361	150,361

Notes: All regressions include the same controls as specification 3 in Tables 3 and 4 of the paper. With is abbreviated to w/ in column titles. Standard errors are in parentheses and clustered at the village level. "***", "**", or "+" indicates significant at the 1, 5, or 10 percent level. Data for 1982 are not included due to data issues. Spousal migration is defined as two married people of the opposite sex who live in the same household and migrated out of the study area within 30 days. Results are similar for same day migration and migration within a year. Regressions are restricted to people who are currently married.

Table 2: Robustness Checks on the Annual Flow of Total Out-Migrants

	Muslim Only		First Out-Migration Event		Cohort (age in 1978)		Base Controls Missing	
	F 25-44 (1)	M 30-49 (2)	F 25-44 (3)	M 30-49 (4)	F 25-44 (5)	M 30-49 (6)	F 25-44 (7)	M 30-49 (8)
<i>Panel A: Single-difference estimates</i>								
1979-81	-0.0012 (0.0018)	-0.0004 (0.0023)	-0.0021 (0.0015)	-0.0007 (0.0021)	-0.0024 (0.0014)+	-0.0019 (0.0021)	-0.0021 (0.0017)	-0.0017 (0.0021)
1983-88	-0.0066 (0.0013)**	-0.0067 (0.0018)**	-0.0028 (0.0011)*	-0.0036 (0.0016)*	-0.0025 (0.0012)*	-0.0043 (0.0016)**	-0.0033 (0.0013)*	-0.0055 (0.0019)**
1989-91	-0.0035 (0.0020)+	-0.0047 (0.0029)	-0.0026 (0.0017)	-0.0020 (0.0022)	-0.0012 (0.0012)	-0.0009 (0.0017)	-0.0022 (0.0023)	-0.0042 (0.0029)
<i>Panel B: Single-difference estimates – percent change</i>								
1979-81	-6	-2	-12	-3	-14	-8	-12	-7
1983-88	-21	-20	-13	-13	-14	-18	-12	-17
1989-91	-11	-14	-13	-8	-9	-6	-7	-12
<i>Panel C: P-value for double-difference estimates</i>								
1983-88	0.006	0.016	0.688	0.236	0.942	0.299	0.495	0.134
1991-89	0.313	0.158	0.835	0.631	0.508	0.675	0.968	0.430
Adjusted R ²	0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.01
Observations	199,330	147,276	196,442	154,175	201,597	156,574	192,564	150,762

Notes: Ages in the column headings refer to the current observation year unless otherwise indicated. All regressions include the same controls as specification 3 in Tables 3 and 4 of the paper. Standard errors are in parentheses and clustered at the village level. "***", "**", or "+" indicates significant at the 1, 5, or 10 percent level. Data for 1982 is not included due to data issues. The model specification for columns 3-4, First Out-Migration Event, restricts the sample to include only a person's first period of residence during the sample period, meaning they are not added back to the sample if they migrate-out and return. The model specification for columns 5-6, Cohort, restricts the sample to only include females who were 25-44 and males who were 30-49 in the first year of the program. The model specification for columns 7-8, Base Controls Missing, restricts the sample to only include individuals who have non-missing baseline information in 1974. This final specification excludes anyone who migrated into the study area between the 1974 census and the start of the program.

Table 3: Robustness Checks on the Annual Flow of Domestic Out-Migrants

	Muslim Only		First Out-Migration Event		Cohort (age in 1978)		Base Controls Missing	
	F 25-44 (1)	M 30-49 (2)	F 25-44 (3)	M 30-49 (4)	F 25-44 (5)	M 30-49 (6)	F 25-44 (7)	M 30-49 (8)
<i>Panel A: Single-difference estimates</i>								
1979-81	-0.0010 (0.0018)	0.0003 (0.0020)	-0.0007 (0.0015)	0.0007 (0.0017)	-0.0008 (0.0013)	-0.0004 (0.0016)	-0.0006 (0.0015)	-0.0003 (0.0018)
1983-88	-0.0067 (0.0013)**	-0.0063 (0.0017)**	-0.0037 (0.0010)**	-0.0043 (0.0012)**	-0.0034 (0.0010)**	-0.0052 (0.0012)**	-0.0040 (0.0012)**	-0.0055 (0.0016)**
1989-91	-0.0032 (0.0019)	-0.0053 (0.0022)*	-0.0029 (0.0015)+	-0.0022 (0.0017)	-0.0015 (0.0009)	-0.0022 (0.0012)+	-0.0020 (0.0020)	-0.0041 (0.0020)*
<i>Panel B: Single-difference estimates – percent change</i>								
1979-81	-5	1	-5	4	-5	-2	-4	-2
1983-88	-22	-21	-18	-19	-21	-26	-15	-21
1989-91	-11	-20	-19	-15	-15	-18	-7	-17
<i>Panel C: P-value for double-difference estimates</i>								
1983-88	0.004	0.005	0.050	0.013	0.104	0.009	0.047	0.015
1991-89	0.331	0.026	0.251	0.209	0.658	0.354	0.564	0.114
Adjusted R ²	0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.01
Observations	199,330	147,276	196,442	154,175	201,597	156,574	192,564	150,762

Notes: Ages in the column headings refer to the current observation year unless otherwise indicated. All regressions include the same controls as specification 3 in Tables 3 and 4 of the paper. Standard errors are in parentheses and clustered at the village level. "***", "**", or "+" indicates significant at the 1, 5, or 10 percent level. Data for 1982 is not included due to data issues. The model specification for columns 3-4, First Out-Migration Event, restricts the sample to include only a person's first period of residence during the sample period, meaning they are not added back to the sample if they migrate-out and return. The model specification for columns 5-6, Cohort, restricts the sample to only include females who were 25-44 and males who were 30-49 in the first year of the program. The model specification for columns 7-8, Base Controls Missing, restricts the sample to only include individuals who have non-missing baseline information in 1974. This final specification excludes anyone who migrated into the study area between the 1974 census and the start of the program.

Table 4: Treatment Effects on the Flow of Out-Migration – Males 19-22 in Current Year

	Total	Domestic	International
	(1)	(2)	(3)
<i>Panel A: Single-difference estimates</i>			
1979-81	-0.0003 (0.0052)	0.0015 (0.0042)	-0.0021 (0.0014)
1983-88	0.0059 (0.0036)	0.0042 (0.0032)	0.0016 (0.0016)
1989-91	0.0026 (0.0045)	0.0020 (0.0040)	0.0013 (0.0024)
<i>Panel B: Single-difference estimates – percent change</i>			
1979-81	-1	3	-57
1983-88	10	8	25
1989-91	4	4	10
<i>Panel C: P-value for double-difference estimates</i>			
1983-88	0.281	0.580	0.067
1991-89	0.632	0.922	0.200
Adjusted R ²	0.01	0.01	0.01
Observations	94,874	94,874	94,874

Notes: These specifications are equivalent to specifications 3 of Tables 3 and 4 in the paper. Standard errors are in parentheses and clustered at the village level. "***", "**", or "+" indicates significant at the 1, 5, or 10 percent level. Data for 1982 is not included due to data issues.

Table 5: Treatment Effects on the Annual Stock of Total Out-Migrants – Including 1992-95 Post Period

	Females (age in 1978)			Males (age in 1978)		
	25-44 (1)	35-44 (2)	25-34 (3)	30-49 (5)	40-49 (6)	30-39 (7)
<i>Panel A: Single-difference estimates</i>						
1979-81	-0.0018 (0.0022)	-0.0021 (0.0024)	-0.0019 (0.0030)	-0.0031 (0.0028)	-0.0031 (0.0031)	-0.0039 (0.0038)
1983-88	-0.0138 (0.0053)*	-0.0137 (0.0056)*	-0.0141 (0.0073)+	-0.0110 (0.0073)	-0.0117 (0.0078)	-0.0115 (0.0095)
1989-91	-0.0202 (0.0075)**	-0.0126 (0.0080)	-0.0276 (0.0099)**	-0.0190 (0.0103)+	-0.0125 (0.0114)	-0.0270 (0.0126)*
1992-95	-0.0262 (0.0089)**	-0.0158 (0.0096)	-0.0364 (0.0112)**	-0.0230 (0.0116)*	-0.0181 (0.0130)	-0.0295 (0.0135)*
<i>Panel B: Single-difference estimates – percent change</i>						
1979-81	-11	-18	-8	-13	-19	-13
1983-88	-19	-25	-16	-11	-15	-9
1989-91	-17	-14	-20	-12	-10	-15
1992-95	-18	-14	-22	-12	-12	-14
<i>Panel C: P-value for double-difference estimates</i>						
1983-88	0.008	0.016	0.043	0.201	0.191	0.330
1989-91	0.008	0.150	0.004	0.095	0.372	0.045
1992-95	0.004	0.139	0.001	0.066	0.214	0.043
Adjusted R2	0.08	0.09	0.07	0.07	0.08	0.07
Observations	281,915	134,224	147,691	222,825	109,127	113,698

Notes: These specifications are equivalent to specifications 3 of Tables 3 and 4 in the paper though all observation-year controls are extended to 1995. Standard errors are in parentheses and clustered at the village level. "***", "**", or "+" indicates significant at the 1, 5, or 10 percent level. Data for 1982 is not included due to data issues.