

## Online supplementary material

**Table A1.** Descriptive statistics for Study 1

	Pooled	Indians	Pakistanis	Bangladeshis	black Caribbeans	black Africans
Have IEFs (%)	77.05	77.55	71.12	67.44	87.77	83.81
Proportion of IEFs (%)						
None	22.95	22.45	28.88	32.56	12.23	16.19
Less than half	37.15	34.97	38.99	37.98	36.26	38.28
About half	23.29	23.03	21.17	18.78	28.52	26.20
More than half	16.60	19.56	10.96	10.68	23.00	19.33
Civic organization participation (%)						
No participation	69.64	68.5	78.07	78.00	59.46	60.9
One organization	19.67	20.61	15.66	15.19	24.73	23.47
Two or more organizations	10.69	10.89	6.28	6.81	15.81	15.63
Civic organization membership (%)						
No membership	74.09	73.61	83.16	83.42	62.88	63.43
One organization	15.53	15.88	11.4	10.67	21.61	19.88
Two or more organizations	10.39	10.51	5.44	5.91	15.51	16.69
Age (M)	40.57	43.49	37.73	36.02	47.82	38.77
	(16.07)	(16.30)	(15.14)	(14.22)	(17.95)	(15.00)
Partnership (%)						
Yes	58.21	69.94	65.68	61.03	35.21	45.24
Employment and occupational status (%)						
No work	48.80	41.04	57.46	57.43	46.73	43.45
Lower occupations	17.36	16.91	14.96	16.67	16.70	22.44
Intermediate occupations	15.61	16.31	16.07	13.55	17.39	14.2
Higher occupations	18.23	25.74	11.52	12.36	19.18	19.91
Logged household income (M)	8.01	7.40	6.96	7.02	7.26	7.13
	(0.91)	(0.87)	(0.83)	(0.70)	(0.91)	(1.06)
Respondent-wave observations	16,597	4,654	4,158	2,436	2,341	3,008

*Note.* M = Means, % = Proportions. Standard deviations are in parentheses. Data source: UKHLS wave 3, 6 and 9.

**Table A2.** Fixed effects logistic regression models examining the impacts of civic participation intensity on ethnic minorities' inter-ethnic friendships.

	Pooled	Indian	Paki	Bangla	B.Cari	B. Afri
Participation in civic organizations (Ref. = No participation)						
One organization	1.14 (0.10)	1.71** (0.35)	0.65+ (0.15)	1.14 (0.30)	0.91 (0.33)	1.00 (0.34)
Two or more organizations	1.07 (0.13)	1.97* (0.64)	0.70 (0.28)	0.87 (0.36)	1.29 (0.80)	1.19 (0.45)
Age	1.00 (0.01)	1.00 (0.03)	1.00 (0.03)	0.95 (0.04)	0.96 (0.05)	1.08+ (0.05)
Age squared	1.07** (0.00)	1.00* (0.00)	1.00 (0.00)	1.00+ (0.00)	1.00 (0.00)	1.00 (0.00)
Partnership (Ref. = No)						
Yes	0.63* (0.11)	0.97 (0.68)	1.36 (0.55)	0.16* (0.13)	0.97 (0.74)	0.40 (0.22)
Employment status (Ref. = No work)						
Lower occupations	1.21 (0.19)	1.35 (0.60)	1.06 (0.50)	1.22 (0.69)	1.58 (1.17)	0.70 (0.42)
Intermediate occupations	1.11 (0.16)	1.19 (0.45)	1.25 (0.45)	2.01 (0.96)	1.43 (0.90)	0.95 (0.45)
Higher occupations	1.30* (0.16)	1.83+ (0.64)	1.18 (0.36)	3.38* (1.63)	1.67 (0.99)	1.37 (0.58)
Logged household income	0.92 (0.05)	0.87 (0.13)	0.82 (0.13)	1.00 (0.18)	0.66 (0.17)	0.62 (0.19)
AIC	3,050	500	509	343	198	251
BIC	3,107	540	550	381	230	285
Respondent-wave observations	4,244	691	694	485	258	338
Number of respondents	1,640	261	277	194	99	134

*Note.* Odds ratios are reported and standard errors are in parentheses. AIC = Akaike's information criterion. BIC = Bayesian information criterion. +  $p < 0.1$ , \*  $p < 0.05$ , \*\*  $p < 0.01$ , \*\*\*  $p < 0.001$ . Data source: UKHLS wave 3, 6 and 9.

**Table A3.** Fixed effects logistic regression models examining the impacts of civic organization membership on ethnic minorities' inter-ethnic friendships.

	Pooled	Indian	Paki	Bangla	B.Cari	B. Afri
Membership in civic organizations (Ref. = No participation)						
Any organizations	1.04 (0.09)	1.08 (0.22)	0.66+ (0.16)	0.87 (0.26)	0.96 (0.33)	1.14 (0.32)
Age	1.00 (0.01)	1.00 (0.03)	1.00 (0.03)	0.95 (0.04)	0.96 (0.05)	1.08+ (0.05)
Age squared	1.00** (0.00)	1.00+ (0.00)	1.00 (0.00)	1.00+ (0.00)	1.00 (0.00)	1.00 (0.00)
Partnership (Ref. = No)						
Yes	0.64* (0.11)	1.05 (0.73)	1.25 (0.50)	0.15* (0.12)	0.97 (0.74)	0.40+ (0.22)
Employment status (Ref. = No work)						
Lower occupations	1.21 (0.19)	1.45 (0.63)	1.09 (0.52)	1.27 (0.71)	1.68 (1.23)	0.71 (0.42)
Intermediate occupations	1.11 (0.16)	1.30 (0.48)	1.35 (0.48)	2.06 (0.98)	1.43 (0.90)	0.94 (0.45)
Higher occupations	1.28+ (0.16)	1.96+ (0.68)	1.19 (0.36)	3.41* (1.65)	1.67 (0.99)	1.39 (0.59)
Logged household income	0.92 (0.05)	0.84 (0.12)	0.79 (0.13)	1.01 (0.18)	0.66 (0.17)	0.61 (0.19)
AIC	3,050	504	507	345	196	249
BIC	3,101	540	544	379	225	279
Respondent-wave observations	4,244	691	694	485	258	338
Number of respondents	1,640	261	277	194	99	134

*Note.* Odds ratios are reported and standard errors are in parentheses. AIC = Akaike's information criterion. BIC = Bayesian information criterion. +  $p < 0.1$ , \*  $p < 0.05$ , \*\*  $p < 0.01$ , \*\*\*  $p < 0.001$ . Data source: UKHLS wave 3, 6 and 9.

**Table A4.** Fixed effects logistic regression models examining the impacts of civic participation (including religious organization) on ethnic minorities' inter-ethnic friendships.

	Pooled	Indian	Paki	Bangla	B.Cari	B. Afri
Participation in civic organizations (Ref. = No participation)						
Any organizations	1.14 (0.10)	1.73* (0.37)	0.67* (0.13)	0.82 (0.22)	0.74 (0.33)	1.10 (0.34)
Age	1.00 (0.01)	1.00 (0.03)	1.00 (0.03)	0.95 (0.04)	0.96 (0.05)	1.08+ (0.05)
Age squared	1.00** (0.00)	1.00+ (0.00)	1.00 (0.00)	1.00+ (0.00)	1.00 (0.00)	1.00 (0.00)
Partnership (Ref. = No)						
Yes	0.64* (0.11)	0.95 (0.66)	1.30 (0.52)	0.15* (0.12)	0.97 (0.75)	0.39+ (0.22)
Employment status (Ref. = No work)						
Lower occupations	1.21 (0.20)	1.38 (0.60)	1.09 (0.51)	1.27 (0.72)	1.68 (1.25)	0.69 (0.41)
Intermediate occupations	1.11 (0.16)	1.17 (0.45)	1.25 (0.45)	2.11 (1.00)	1.33 (0.85)	0.94 (0.44)
Higher occupations	1.30* (0.16)	1.92+ (0.67)	1.17 (0.36)	3.43* (1.66)	1.64 (0.97)	1.36 (0.58)
Logged household income	0.92 (0.05)	0.87 (0.13)	0.81 (0.13)	1.02 (0.18)	0.67 (0.17)	0.62 (0.19)
AIC	3,048	498	508	345	196	249
BIC	3,099	534	545	378	224	279
Respondent-wave observations	4,244	691	694	485	258	338
Number of respondents	1,640	261	277	194	99	134

*Note.* Odds ratios are reported and standard errors are in parentheses. AIC = Akaike's information criterion. BIC = Bayesian information criterion. +  $p < 0.1$ , \*  $p < 0.05$ , \*\*  $p < 0.01$ , \*\*\*  $p < 0.001$ . Data source: UKHLS wave 3, 6 and 9.

**Table A5.** Fixed effects logistic regression models examining the moderating roles of gender and migration generation in the association between civic organization participation and ethnic minorities' inter-ethnic friendships.

	Pooled	Indian	Paki	Bangla	B.Cari	B. Afri
<b>Panel A</b>						
Participation in civic organizations (Ref. = No participation)						
Any organizations	1.15 (0.13)	2.29** (0.68)	0.75 (0.22)	1.16 (0.37)	0.39 (0.29)	0.88 (0.39)
Participation in civic organizations × Gender (Ref. = Male)						
Any organizations × Female	0.96 (0.15)	0.62 (0.24)	0.77 (0.33)	0.79 (0.40)	3.34 (2.92)	1.42 (0.83)
AIC	3,050	496	508	348	196	250
BIC	3,114	537	549	390	228	285
<b>Panel B</b>						
Participation in civic organizations (Ref. = No participation)						
Any organizations	1.12 (0.11)	1.78** (0.38)	0.73 (0.21)	1.22 (0.35)	0.90 (0.44)	1.17 (0.36)
Participation in civic organizations × Generation (Ref. = First generation)						
Any organizations × Second generation	0.85 (0.16)	1.04 (0.56)	0.77 (0.33)	0.61 (0.34)	1.12 (0.81)	0.55 (0.47)
AIC	2,799	494	508	347	198	248
BIC	2,856	535	549	384	230	282
Respondent-wave observations	4,244	691	694	485	258	338
Number of respondents	1,640	261	277	194	99	134

*Note.* The sample was automatically restricted to respondents who completed at least two waves of the survey and have within-variations on outcome variables. All models controlled for age, age squared, marital status, employment and occupational status and household income. Odds ratios are reported and standard errors are in parentheses. AIC = Akaike's information criterion. BIC = Bayesian information criterion. +  $p < 0.1$ , \*  $p < 0.05$ , \*\*  $p < 0.01$ , \*\*\*  $p < 0.001$ . Data source: UKHLS wave 3, 6 and 9.

**Table A6.** Descriptive statistics for Study 2

	Pooled	Indian	Paki	Bangla	B. Cari	B. Afri
Inter-ethnic friends (%)						
All of them	8.38	8.13	11.85	12.4	4.91	6.15
Most of them	43.15	39.93	46.92	51.94	38.6	42.66
About half of them	23.31	26.15	21.48	19.77	25.79	21.43
A few of them	22.76	22.44	18.01	15.12	28.6	26.39
None of them	2.41	3.36	1.74	0.78	2.11	3.37
Ethnic composition of organizations (%)						
No participation	63.49	63.07	70.3	68.99	59.82	56.75
Mostly co-ethnic	11.85	14.66	12.16	13.57	8.25	11.51
Intermediate and other mixed	8.34	5.65	8.69	7.75	9.47	9.92
Mostly inter-ethnic	16.32	16.61	8.85	9.69	22.46	21.83
Ethnic composition of organizations (%)						
No participation	63.49	63.07	70.3	68.99	59.82	56.75
Mostly or mostly&interm. co-ethnic	12.92	15.37	13.27	14.34	9.65	12.7
Intermediate	5.85	3.53	6.64	5.81	6.49	6.75
Mostly or mostly&interm. inter-ethnic	17.74	18.02	9.79	10.85	24.04	23.81
Age (M)	39.89	41.56	36.11	34.86	44.11	36.29
Age (SD)	14.05	15.48	13.29	12.50	16.35	12.05
Male (%)	48.87	51.59	53.71	51.94	40.18	48.02
Migration generation (%)						
First generation	61.28	64.49	60.19	67.83	39.82	79.96
Second generation	38.72	35.51	39.81	32.17	60.18	20.04
Education levels (%)						
Tertiary	21.14	28.98	17.54	12.79	16.32	26.59
Secondary	43.46	34.28	39.18	43.02	59.82	40.87
No qualification	35.4	36.75	43.29	44.19	23.86	32.54
Suffer racial discrimination (%)	28.68	24.56	20.38	17.44	44.04	32.14
Ethnicity of partner (%)						
No partner	46.94	34.81	34.44	33.72	67.19	60.12
Have a co-ethnic partner	46.7	59.01	61.93	64.34	20.18	34.72
Have an interethnic partner	6.36	6.18	3.63	1.94	12.63	5.16
Ethnicity of work colleagues (%)						
No work	31.21	24.38	36.33	40.7	31.05	27.78
Work with co-ethnic colleagues	12.68	12.54	19.27	21.71	4.74	8.93
Work with inter-ethnic colleagues	56.1	63.07	44.39	37.6	64.21	63.29
Local share of co-ethnics (M)	0.40	0.16	0.26	0.19	0.07	0.07
Local share of co-ethnics (SD)	0.23	0.16	0.22	0.18	0.06	0.07
N	2,531	566	633	258	570	504

Note. % = Proportions, M = Means, SD = Standard deviations. Data source: EMBES 2010.

**Table A7.** Logistic regression models investigating effects of ethnic composition in organizations on ethnic minorities' inter-ethnic friendships

	Pooled	Indian	Paki	Bangla	Paki/Bangla	B. Cari	B. Afri
<b>Models 1</b>							
Ethnic composition of civic organizations (Ref. = No participation)							
Mostly co-ethnic	0.55*** (0.10)	0.69 (0.21)	0.31** (0.11)	0.67 (0.35)	0.40** (0.12)	0.74 (0.28)	0.48+ (0.21)
Intermediate and other mixed	1.45+ (0.31)	2.43+ (1.13)	1.15 (0.49)	0.94 (0.61)	1.02 (0.38)	1.54 (0.64)	1.96 (0.86)
Mostly inter-ethnic	2.21*** (0.36)	2.22* (0.77)	2.20* (0.82)	2.32 (1.30)	2.09* (0.68)	1.78+ (0.53)	3.03*** (0.92)
Constant	1.28 (0.29)	1.66 (0.76)	0.97 (0.42)	2.77 (1.93)	1.24 (0.46)	0.79 (0.40)	0.93 (0.46)
Pseudo R squared	0.14	0.16	0.16	0.14	0.15	0.09	0.14
Observations	2,531	566	633	258	891	570	504
<b>Models 2</b>							
Ethnic composition of civic organizations (Ref. = No participation)							
Mostly or mostly co-ethnic	0.54*** (0.09)	0.73 (0.22)	0.30*** (0.11)	0.64 (0.34)	0.38** (0.12)	0.73 (0.26)	0.45+ (0.18)
Intermediate	1.65* (0.41)	1.77 (1.01)	1.40 (0.70)	0.71 (0.52)	1.14 (0.48)	2.15 (1.08)	2.39 (1.29)
Mostly or mostly inter-ethnic	2.17*** (0.34)	2.45** (0.84)	2.04* (0.71)	2.38+ (1.16)	1.99* (0.59)	1.69+ (0.49)	3.06*** (0.95)
Constant	1.26 (0.28)	1.65 (0.75)	0.92 (0.40)	2.78 (1.96)	1.21 (0.45)	0.79 (0.40)	0.90 (0.45)
Pseudo R squared	0.14	0.16	0.16	0.14	0.15	0.09	0.14
Observations	2,531	566	633	258	891	570	504

*Note.* All models controlled for age, age squared, gender, migration generation, education levels, whether suffer ethnic discrimination, ethnicity of partners, ethnicity of work colleagues, local share of co-ethnics. Odds ratios are reported and standard errors are in parentheses. +  $p < 0.1$ , \*  $p < 0.05$ , \*\*  $p < 0.01$ , \*\*\*  $p < 0.001$ . Data source: EMBES 2010.

**Table A8.** OLS regression models investigating effects of ethnic composition in organizations on ethnic minorities' inter-ethnic friendships while controlling for attitudes towards inter-ethnic mixing<sup>1</sup>.

	Model 1	Model 2
Ethnic composition of civic organizations (Ref. = No participation)		
Mostly co-ethnic	-0.22* (0.10)	
Intermediate and other mixed	0.17 (0.11)	
Mostly inter-ethnic	0.60*** (0.12)	
Ethnic composition of civic organizations (Ref. = No participation)		
Mostly or mostly&interm. co-ethnic		-0.20* (0.09)
Intermediate		0.16 (0.12)
Mostly or mostly&interm. inter-ethnic		0.61*** (0.11)
Constant	2.82*** (0.18)	2.80*** (0.18)
Observations	850	850
R-squared	0.20	0.21

<sup>1</sup>Attitudes towards inter-ethnic mixing is measured using a 5-point ordinal variable representing respondent's answer to survey question: 'People of my ethnic origin should make an effort to mix with white people and other ethnic minority groups in order to integrate with the British society'.

*Note.* Each model employs a different specification of the independent variable 'ethnic composition of CSO(s)'. All models controlled for age, age squared, gender, migration generation, education levels, whether suffer ethnic discrimination, ethnicity of partners, ethnicity of work colleagues, local share of co-ethnics, and ethnic minorities' attitudes towards inter-ethnic mixing. Coefficients are reported and standard errors are in parentheses. +  $p < 0.1$ , \*  $p < 0.05$ , \*\*  $p < 0.01$ , \*\*\*  $p < 0.001$ . Data source: EMBES 2010.