

**Can past intergroup contact shape support for policies in a pandemic? Processes  
predicting endorsement of discriminatory Chinese restrictions during the  
COVID-19 crisis**

**Supplementary Materials**

## **Policy Support**

Support for the two policy constructs were measured using the following nine items:

(1 = *strongly disagree*, 7 = *strongly agree*)

### ***Chinese restriction policies***

1. Close Chinese restaurants in the UK
2. Ban all flights from China
3. Ban all Chinese nationals from entering the UK
4. Ban Chinese imports to the UK
5. Enforce a quarantine of all Chinese nationals in the UK

### ***General restriction policies***

1. Ban large public gatherings, such as football matches and concerts
2. Close public transportation in UK cities where coronavirus has been reported
3. Close any schools where a student or staff member tests positive for coronavirus
4. Close nightclubs in cities where coronavirus has been reported

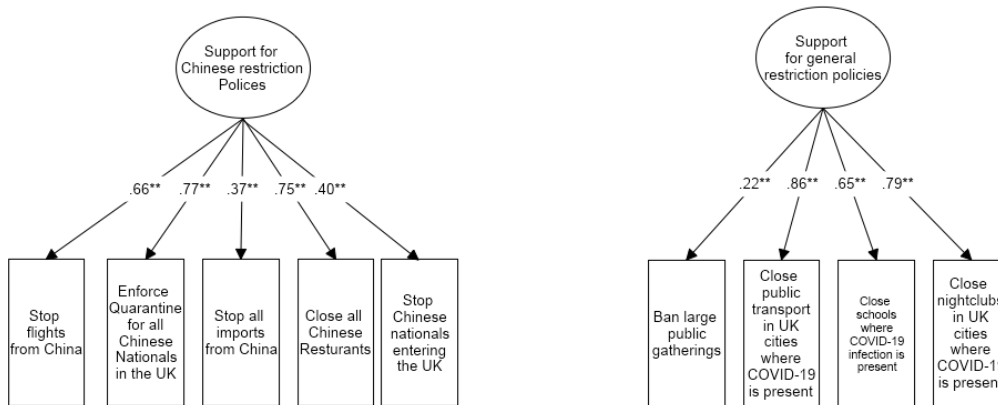
### ***Additional items***

1. Quarantine of individuals who have been to China within the last 14 days
2. Send UK Government financial aid to help China contain the Coronavirus
3. Build emergency hospitals for Coronavirus patients
4. Shut borders to all non-UK citizens

## Models

### Model One

#### Measurement Model



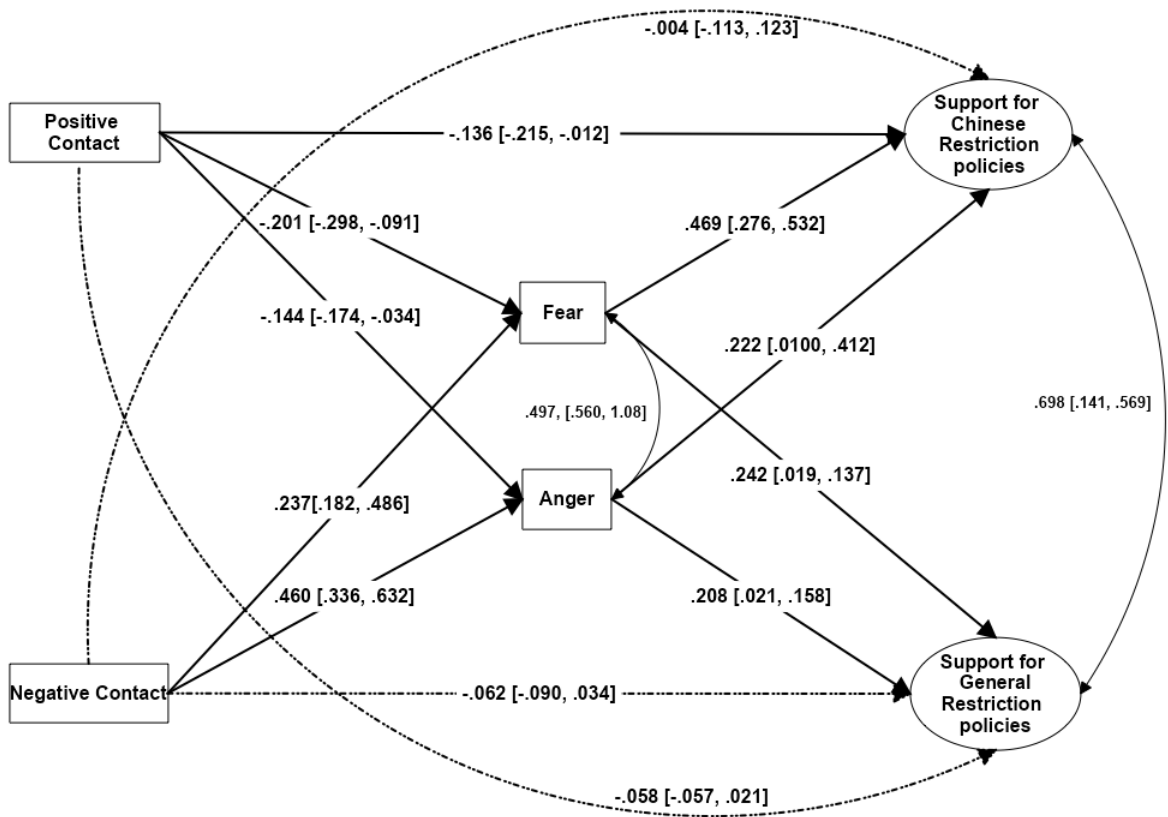
Note: \* $p < .05$  \*\* $p < .001$ ; Coefficients are standardized

Fit statistics: robust  $\chi^2(26) = 91.524, p < .001, \chi^2/df$  ratio = 3.52,

robust RMSEA = .086 [90% CI 0.052 – 0.079], SRMR = .046, robust CFI = .939.

Figure 1: Measurement Model, empirical fit for support for Chinese restriction policies and support for General restriction policies.

**Structural Model**



Note: Fit statistics: Robust  $\chi^2 (54) = 134.90, p < .001, \chi^2/df$  ratio = 2.50,

Robust RMSEA = .065 [90% CI 0.52 – 0.079], SRMR = .046, Robust CFI = .939, N = 340.

Figure 2: Empirical fit of structural equation model of the associations between contact, emotion and support for Chinese and General restriction policies. All paths except the dash lines are significant. Coefficients are standardized and 95% confidence intervals are reported in square brackets. Note: This is also seen in the main document as Figure 1 and is repeated here to aid comparison.

Table 1: Parameter Estimates for the Measurement Model (Figure 1) and Structural Model (Figure 2).

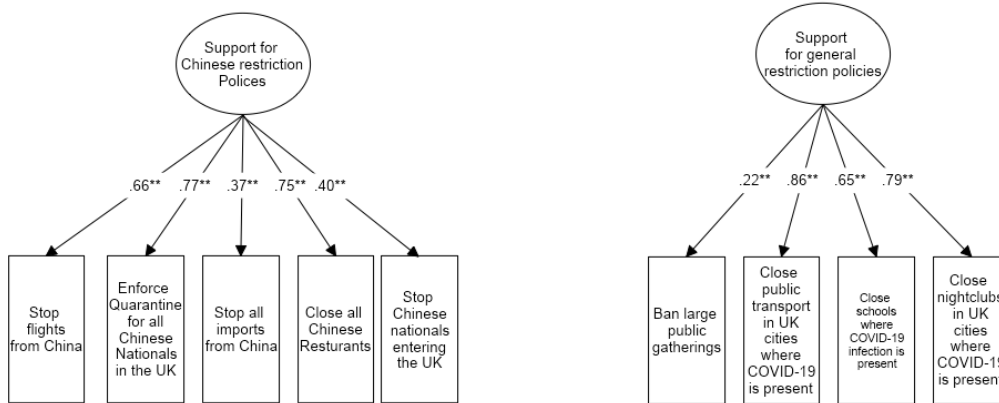
Parameter Estimates	B	SE	Z	pvalue	95% Confidence Interval		b
					ci lower	ci upper	
PolicyChinese=~Ban_Flights	1	0			1	1	.674
PolicyChinese=~Enforce_Quarantine	.866	.100	8.618	<.001	.669	1.063	.758
PolicyChinese=~Shut_Rest	.710	.093	7.644	<.001	.528	.893	.748
PolicyChinese=~Ban_imports	.590	.073	8.093	<.001	.447	.733	.366
PolicyChinese=~Ban_arrival_Chinese	.677	.077	8.771	<.001	.526	.828	.412
PolicyAll=~Shut_transport	1.000	.000			.000	1.000	.859
PolicyAll=~Shut_schools	.713	.063	11.264	<.001	.589	.837	.647
PolicyAll=~Shut_nightclubs	.997	.063	15.707	<.001	.873	1.121	.784
PolicyAll=~Shut_Gatherings	.326	.081	4.019	<.001	.167	.484	.217
Angry~Positive	-.102	.035	-2.884	.004	-.172	-.033	-.141
Angry~Negative	.488	.076	6.423	<.001	.339	.637	.463
Fearful~Positive	-.178	.051	-3.473	.001	-.279	-.078	-.183
Fearful~Negative	.367	.066	5.563	<.001	.238	.497	.260
PolicyChinese~Positive	-.114	.052	-2.205	.027	-.216	-.013	-.136
PolicyChinese~Negative	.005	.065	.080	.936	-.122	.132	.004
PolicyChinese~Fearful	.424	.063	6.722	<.001	.300	.547	.490

Parameter Estimates	<i>B</i>	SE	Z	pvalue	95% Confidence Interval		b
					ci lower	ci upper	
PolicyChinese~Angry	.225	.072	3.104	.002	.083	.367	.194
PolicyAll~Positive	-.058	.059	-.973	.331	-.174	.059	-.060
PolicyAll~Negative	-.063	.094	-.672	.502	-.247	.121	-.045
PolicyAll~Fearful	.269	.056	4.776	<.001	.159	.380	.273
PolicyAll~Angry	.208	.061	3.375	.001	.087	.328	.157
Angry~~Fearful	.821	.133	6.172	<.001	.560	1.081	.497
Ban_Flights~~Ban_Flights	2.402	.236	10.196	<.001	1.940	2.864	.545
Enforce_Quarantine~~Enforce_Quarantine	1.110	.169	6.580	<.001	.780	1.441	.425
Shut_Rest~~Shut_Rest	.795	.125	6.373	<.001	.551	1.040	.440
Ban_imports~~Ban_imports	4.509	.325	13.855	<.001	3.871	5.147	.866
Ban_arrival_Chinese~~Ban_arrival_Chinese	4.490	.330	13.611	<.001	3.843	5.136	.830
Shut_transport~~Shut_transport	.929	.177	5.237	<.001	.581	1.276	.262
Shut_schools~~Shut_schools	1.847	.180	10.267	<.001	1.494	2.199	.581
Shut_nightclubs~~Shut_nightclubs	1.632	.183	8.901	<.001	1.272	1.991	.385
Shut_Gatherings~~Shut_Gatherings	5.597	.293	19.100	<.001	5.023	6.172	.953
Angry~~Angry	1.137	.136	8.366	<.001	.871	1.404	.760
Fearful~~Fearful	2.400	.213	11.279	<.001	1.983	2.818	.895

Parameter Estimates	B	SE	Z	pvalue	95% Confidence Interval		b
					ci lower	ci upper	
PolicyChinese~~PolicyChinese	1.121	.191	5.859	<.001	.746	1.496	.560
PolicyAll~~PolicyAll	2.230	.244	9.137	<.001	1.752	2.709	.851
PolicyChinese~~PolicyAll	1.106	.189	5.854	<.001	.736	1.476	.699
Positive~~Positive	2.832	.000			2.832	2.832	1.000
Positive~~Negative	-.084	.000			-.084	-.084	-.043
Negative~~Negative	1.349	.000			1.349	1.349	1.000
PosCon_Fear_PoIC:=PosCon_Fear_PoIC	-.075	.024	-3.166	.002	-.122	-.029	-.090
NegCon_Fear_PoIC:=NegCon_Fear_PoIC	.156	.030	5.150	<.001	.096	.215	.128
PosCon_Anger_PoIC:=PosCon_Anger_PoIC	-.021	.009	-2.467	.014	-.038	-.004	-.022
NegCon_Anger_PoIC:=NegCon_Anger_PoIC	.101	.037	2.767	.006	.030	.173	.073
Total_Effect_Positive_Fear:=Total_Effect_Positive_Fear	-.190	.055	-3.449	.001	-.298	-.082	-.226
Total_Effect_Negative_Fear:=Total_Effect_Negative_Fear	.092	.094	.980	.327	-.092	.277	.082
Total_Effect_Positive_Anger:=Total_Effect_Positive_Anger	-.137	.053	-2.589	.010	-.241	-.033	-.163
Total_Effect_Negative_Anger:=Total_Effect_Negative_Anger	.019	.095	.204	.838	-.167	.206	.005
Indirect_Fear:=PosCon_Fear_PoIC+NegCon_Fear_PoIC	.080	.033	2.438	.015	.016	.145	.038
Indirect_Anger:=PosCon_Anger_PoIC+NegCon_Anger_PoIC	.080	.033	2.438	.015	.016	.145	.051

## Alternative Model (including disgust)

### Measurement Model



Note: \* $p < .05$  \*\*  $p < .001$ ; Coefficients are standardized

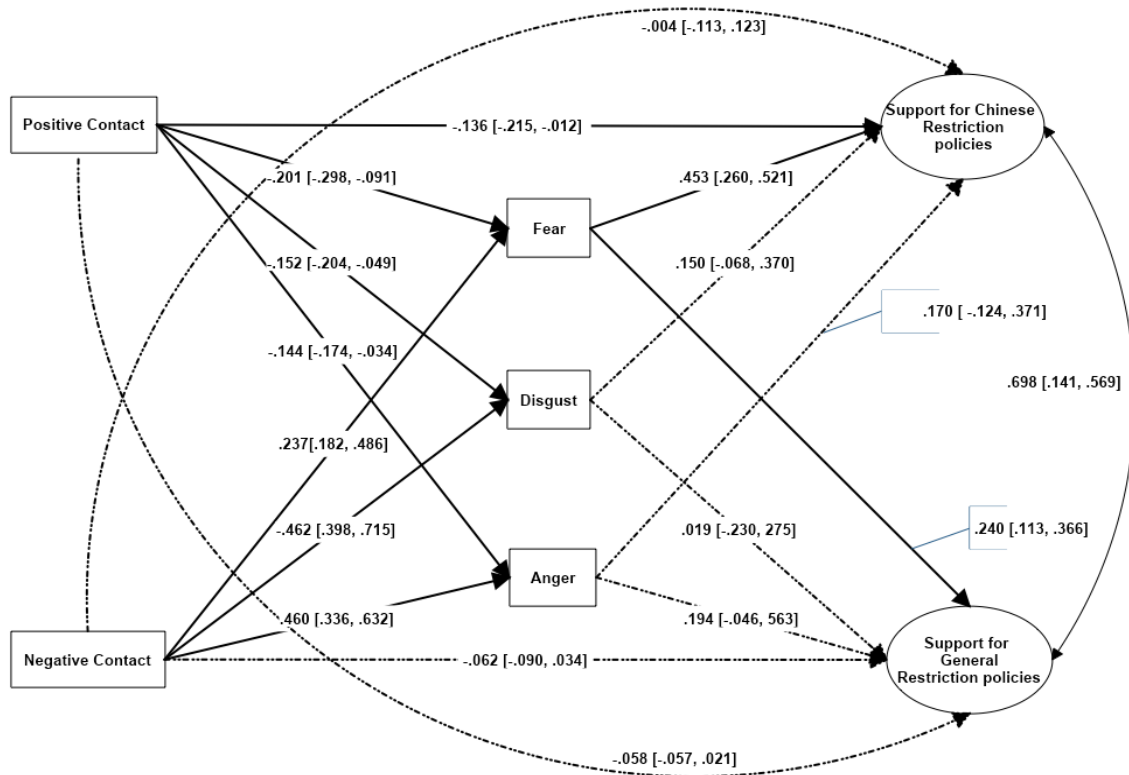
Fit statistics: robust  $\chi^2$  (26) = 91.524,  $p < .001$ ,  $\chi^2/df$  ratio = 3.52,

robust RMSEA = .086 [90% CI 0.052 – 0.079], SRMR = .046, robust CFI = .939.

Figure 3: Measurement Model, empirical fit for support for Chinese restriction policies and support for General restriction policies.



**Structural Model**



Note: Fit statistics: Robust  $\chi^2 (61) = 143.78, p < .001, \chi^2/df$  ratio = 2.35,

Robust RMSEA = .062 [90% CI 0.49 – 0.075], SRMR = .044, Robust CFI = .948, N = 340.

Figure 4: Empirical fit of structural equation model two of the associations between contact, emotion (fear, disgust and anger) and support for Chinese and General restriction policies.

All paths except the dash lines are significant. Coefficients are standardized and 95% confidence intervals are reported in square brackets.

Table 3: Parameter estimates for the alternative measurement model (Figure 3) and structural model (Figure 4).

Parameter Estimates	B	SE	Z	pvalue	95% confidence intervals		b
					ci.lower	ci upper	
PolicyChinese=~Ban_Flights	1.000	0.000			1.000	1.000	.673
PolicyChinese=~Enforce_Quarantine	.870	.101	8.576	<.001	.671	1.068	.758
PolicyChinese=~Shut_Rest	.714	.093	7.650	<.001	.531	.897	.749
PolicyChinese=~Ban_imports	.593	.073	8.071	<.001	.449	.737	.366
PolicyChinese=~Ban_arrival_Chinese	.674	.078	8.630	<.001	.521	.828	.409
PolicyAll=~Shut_transport	1.000	.000			1.000	1.000	.864
PolicyAll=~Shut_schools	.707	.063	11.191	<.001	.583	.831	.646
PolicyAll=~Shut_nightclubs	.988	.063	15.674	<.001	.865	1.112	.782
PolicyAll=~Shut_Gatherings	.323	.081	3.977	<.001	.164	.482	.217
Disgusted~Positive	-.127	.040	-3.196	.001	-.204	-.049	-.152
Disgusted~Negative	.556	.081	6.900	<.001	.398	.715	.462
Angry~Positive	-.104	.036	-2.922	.003	-.174	-.034	-.144

Parameter Estimates	B	SE	Z	pvalue	95% confidence intervals		b
					ci.lower	ci upper	
Angry~Negative	.484	.076	6.394	<.001	.336	.632	.460
Fearful~Positive	-.195	.053	-3.692	<.001	-.298	-.091	-.201
Fearful~Negative	.334	.077	4.308	<.001	.182	.486	.237
PolicyChinese~Positive	-.111	.052	-2.141	.032	-.213	-.009	-.133
PolicyChinese~Negative	-.020	.065	-.301	.764	-.148	.108	-.016
PolicyChinese~Fearful	.391	.067	5.861	<.001	.260	.521	.453
PolicyChinese~Angry	.124	.126	.981	.327	-.124	.371	.107
PolicyChinese~Disgusted	.151	.112	1.349	.177	-.068	.370	.150
PolicyAll~Positive	-.055	.059	-.930	.352	-.171	.061	-.057
PolicyAll~Negative	-.090	.095	-.944	.345	-.276	.096	-.064
PolicyAll~Fearful	.240	.064	3.716	<.001	.113	.366	.240
PolicyAll~Angry	.259	.155	1.663	.096	-.046	.563	.194
PolicyAll~Disgusted	.023	.129	.176	.861	-.230	.275	.019
Angry~~Fearful	.821	.133	6.173	<.001	.560	1.081	.497

Parameter Estimates	B	SE	Z	pvalue	95% confidence intervals		b
					ci.lower	ci upper	
Disgusted~~Angry	1.076	.144	7.478	<.001	.794	1.358	.829
Disgusted~~Fearful	.943	.156	6.059	<.001	.638	1.248	.500
Ban_Flights~~Ban_Flights	2.399	.236	10.174	<.001	1.937	2.861	.547
Enforce_Quarantine~~Enforce_Quarantine	1.110	.168	6.622	<.001	.781	1.438	.425
Shut_Rest~~Shut_Rest	.794	.124	6.406	<.001	.551	1.036	.440
Ban_imports~~Ban_imports	4.507	.326	13.837	<.001	3.869	5.145	.866
Ban_arrival_Chinese~~Ban_arrival_Chinese	4.504	.330	13.662	<.001	3.858	5.150	.833
Shut_transport~~Shut_transport	.908	.176	5.147	<.001	.562	1.253	.254
Shut_schools~~Shut_schools	1.855	.180	10.301	<.001	1.502	2.208	.582
Shut_nightclubs~~Shut_nightclubs	1.649	.184	8.949	<.001	1.288	2.010	.388
Shut_Gatherings~~Shut_Gatherings	5.598	.293	19.101	<.001	5.024	6.173	.953
Disgusted~~Disgusted	1.483	.190	7.822	<.001	1.111	1.854	.757
Angry~~Angry	1.137	.136	8.367	<.001	.871	1.404	.762
Fearful~~Fearful	2.398	.212	11.322	<.001	1.983	2.813	.899

Parameter Estimates	B	SE	Z	pvalue	95% confidence intervals		b
					ci.lower	ci upper	
PolicyChinese~~PolicyChinese	1.104	.191	5.771	<.001	.729	1.479	.556
PolicyAll~~PolicyAll	2.248	.242	9.280	<.001	1.773	2.723	.845
PolicyChinese~~PolicyAll	1.104	.190	5.815	<.001	.732	1.476	.701
Positive~~Positive	2.832	.000			2.832	2.832	1.000
Positive~~Negative	-.084	.000			-.084	-.084	-.043
Negative~~Negative	1.349	.000			1.349	1.349	1.000
PosCon_Fear_PolC:=a3*b1	-.076	.023	-3.343	.001	-.121	-.031	-.091
NegCon_Fear_PolC:=a4*b1	.130	.035	3.686	<.001	.061	.200	.108
PosCon_Anger_PolC:=a1*b4	-.027	.018	-1.519	.129	-.062	.008	-.028
NegCon_Anger_PolC:=a2*b4	.125	.080	1.572	.116	-.031	.281	.089
PosCon_Disgust_PolC:=a5*b5	-.019	.015	-1.280	.201	-.048	.010	-.023
NegCon_Disgust_PolC:=a6*b5	.084	.063	1.325	.185	-.040	.208	.069
Indirect_Fear:=PosCon_Fear_PolC+NegCon_Fear_PolC	.054	.038	1.420	.156	-.021	.129	.017
Indirect_Anger:=PosCon_Anger_PolC+NegCon_Anger_PolC	.098	.065	1.500	.134	-.030	.226	.061

Parameter Estimates	B	SE	Z	pvalue	95% confidence intervals		b
					ci.lower	ci upper	
Indirect_Disgust:=PosCon_Disgust_PolC+NegCon_Disgust_PolC	.065	.050	1.291	.197	-.034	.163	.046
Total_Effect_Positive_Fear:=cp1+a3*b1	-.187	.054	-3.442	.001	-.294	-.081	-.224
Total_Effect_Negative_Fear:=cp4+a4*b1	.041	.102	0.401	.688	-.158	.240	.044
Total_Effect_Positive_Anger:=cp1+a1*b2	-.124	.054	-2.293	.022	-.230	-.018	-.148
Total_Effect_Negative_Anger:=cp4+a4*b2	-.048	.100	-0.485	.628	-.244	.147	-.038
Total_Effect_Positive_Disgust:=cp1+a5*b5	-.130	.054	-2.420	.016	-.236	-.025	-.156
Total_Effect_Negative_Disgust:=cp4+a6*b5	-.006	.114	-0.051	.959	-.229	.217	.005
Contrast1:=Indirect_Fear-Indirect_Anger	-.044	.069	-0.632	.528	-.180	.092	-.045
Contrast2:=Indirect_Fear-Indirect_Disgust	-.010	.059	-0.175	.861	-.127	.106	-.030