1 **Supplementary File**

2 **Table 2.** Multilevel logistic regression models of friendship intimacy.

Predictors	**null model 1**	**null model 1**	**basic model 2**	**basic model 2**	**context model 3**	**context model 3**	**final model 4**	**final model 4**
	grade 7	**grade 9**	**grade 7**	**grade 9**	**grade 7**	**grade 9**	**grade 7**	**grade 9**
Intercept	2.36 ***	2.30 ***	3.28 ***	3.47 ***	3.57 ***	3.81 ***	2.17 **	3.00 ***
Male			0.54 ***	0.67 **	0.53 ***	0.66 **	0.47 ***	0.68 **
migration background			0.78	0.98	0.74 *	0.95	0.77	0.91
single parent			0.58 **	0.95	0.58 **	0.94	0.56 **	0.96
single child			1.25	0.87	1.26	0.88	1.30	0.87
Herne (ref: Bottrop)			1.00	0.84	0.94	0.75	0.93	0.75
secondary school (ref: academic secondary school)			1.24	1.22	1.20	1.19	1.27	1.16
comprehensive school (ref: academic secondary school)			1.34	0.85	1.33	0.85	1.46 *	0.84
financial capacities of the household[z]			1.32 ***	1.25 ***	1.33 ***	1.25 ***	1.33 ***	1.25 ***
empathy[z]			1.47 ***	1.18 **	1.46 ***	1.18 **	1.45 ***	1.16 *
relationship quality to adults at home[z]			1.49 ***	1.77 ***	1.49 ***	1.77 ***	1.48 ***	1.76 ***
neighbourhood level characteristics								
density of u15 population per km²[c]					1.00	1.00	1.00	1.00
residential turnover rate[c]					0.96	1.10	1.00	1.10
prop. u15 in social benefit households in u15 population[c]					1.01	1.00	1.01	1.01

neighbourhood places and spatial appropriation								
places that provide youth services							1.26	1.05
safe places to hang out							1.66 **	1.12
at outdoor places at least once a week							1.22	0.95
at hang out places at least once a week							0.72 *	1.44 **
Random Effects								
τ_{00}	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
$N_{\text{(neighbourhood level)}}$	30	30	30	30	30	30	30	30
Observations	1214	1424	1214	1424	1214	1424	1214	1424
marginal R^2 / conditional R^2	0.000 / NA	0.000 / NA	0.168 / NA	0.150 / NA	0.174 / NA	0.152 / NA	0.197 / NA	0.160 / NA
AIC	1481.716	1750.133	1351.210	1608.888	1352.509	1613.018	1340.041	1612.094

Notes: [c] variables are mean-centred. [z] variables are z-standardized. Odds ratios are reported. ** p<0.05 ** p<0.01 *** p<0.001*

Table 3. Multilevel logistic regression models of peer belonging.

Predictors	**null model 1**	**null model 1**	**basic model 2**	**basic model 2**	**context model 3**	**context model 3**	**final model 4**	**final model 4**
	grade 7	**grade 9**	**grade 7**	**grade 9**	**grade 7**	**grade 9**	**grade 7**	**grade 9**
intercept	0.96	0.90 *	0.97	0.68 **	1.03	0.65 **	0.62 *	0.56 **
male			1.15	1.55 ***	1.15	1.55 ***	1.14	1.63 ***
migration background			0.94	1.17	0.91	1.19	0.91	1.14
single parent			0.62 *	1.02	0.62 *	1.02	0.62 *	1.03
single child			0.79	1.14	0.80	1.14	0.81	1.14
Herne (ref: Bottrop)			1.04	0.95	0.98	1.00	0.97	1.01
secondary school (ref: academic secondary school)			1.01	0.94	0.98	0.95	1.01	0.92
comprehensive school (ref: academic secondary school)			0.74	0.95	0.74	0.95	0.77	0.93
financial capacities of the household[z]			1.79 ***	1.50 ***	1.80 ***	1.50 ***	1.79 ***	1.50 ***
empathy[z]			1.31 ***	1.21 **	1.31 ***	1.21 **	1.31 ***	1.21 **
relationship quality to adults at home[z]			1.65 ***	1.45 ***	1.65 ***	1.45 ***	1.64 ***	1.45 ***
neighbourhood level characteristics								
density of u15 population per km²[c]					1.00	1.00	1.00	1.00
residential turnover rate[c]					1.02	0.98	1.05	0.98
prop. u15 in social benefit households in u15					1.01	0.99	1.01	0.99

population[c]								
neighbourhood places and spatial appropriation								
places that provide youth services							1.22	1.05
safe places to hang out							1.48 *	0.94
at outdoor places at least once a week							0.98	0.95
at hang out places at least once a week							1.17	1.50 ***
Random Effects								
τ_{00}	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
$N_{(neighbourhood\ level)}$	30	30	30	30	30	30	30	30
observations	1215	1424	1215	1424	1215	1424	1215	1424
marginal R^2 /conditional R^2	0.000 / 0.013	0.000 / NA	0.225 / 0.226	0.124 / NA	0.227 / NA	0.125 / NA	0.240 / NA	0.136 / NA
AIC	1684.930	1973.809	1492.424	1857.216	1496.781	1862.353	1492.898	1858.321

Notes: [c] variables are mean-centred. [z] variables are z-standardized. Odds ratios are reported. ** p<0.05 ** p<0.01 *** p<0.001*