

## Tables

Table S1. Demographic characteristics by gender for wave 1 (N=139) and wave 2 (N=115).

	Wave 1			Wave 2		
	Girls (n = 73)	Boys (n = 66)		Girls (n = 62)	Boys (n = 53)	
Age	12.18 (SD=2.19)	11.58 (SD=2.05)	$t(137) = 1.67,$ $p=.097$	12.74 (SD=2.11)	12.64 (SD=2.15)	$t(113) =$ $0.25, p=.802$
Diary days	19.16 (SD=2.25)	18.98 (SD=2.02)	$t(137) = 0.49,$ $p=.623$	26.27 (SD=2.90)	25.47 (SD=3.66)	$t(113) =$ $1.29, p=.201$
Caucasian or white	50 (68.5%)	47 (71.2%)	$\chi^2(6)=3.13,$ $p=.793$	41 (66.1%)	40 (75.5%)	$\chi^2(6)=1.62,$ $p=.951$
American Indian, Native American, or Alaska native	2 (2.7%)	0 (0%)		0 (0%)	0 (0%)	
Asian or Asian American	4 (5.5%)	6 (9.1%)		7 (11.3%)	4 (7.5%)	
Black, African American, or African	5 (6.8%)	5 (7.6%)		7 (11.3%)	4 (7.5%)	
Latino or Hispanic	5 (6.8%)	4 (6.1%)		4 (6.5%)	2 (3.8%)	
Middle Eastern or Arab	3 (4.1%)	2 (3.0%)		2 (3.2%)	2 (3.8%)	
Mixed/Other	4 (5.5%)	2 (3.0%)		1 (1.6%)	1 (1.9%)	

Table S2. Day level positive spillover within and outside the family and moderation by data wave: Full analyses

		Estimate (SE)	t	df	p	Moderation by wave		
						t	df	p
(a) Outcome: positive interactions mother	Intercept	-.02(.02)	-0.917	4790	.359	-0.521	4790	.603
	Previous day positive interactions mother	.14(.02)	5.709	4790	< .001	-1.198	4790	.231
	<b>Same day positive interactions father</b>	<b>.46(.04)</b>	<b>12.380</b>	<b>4790</b>	<b>&lt; .001</b>	<b>2.369</b>	<b>4790</b>	<b>.018</b>
	Mean positive interactions mother	.97(.01)	76.845	4790	< .001	2.009	4790	.045
	Mean positive interactions father	.03(.01)	2.309	4790	.021	-1.680	4790	.093
(b) Outcome: positive interactions siblings	Intercept	-0.01(.02)	-0.516	4790	.606	-0.805	4790	.421
	Previous day positive interactions siblings	0.16(.03)	5.766	4790	< .001	0.864	4790	.387
	Same day positive interactions father	0.28(.03)	9.347	4790	< .001	0.045	4790	.964
	Mean positive interactions siblings	1.02(.01)	72.959	4790	< .001	-1.362	4790	.173
	Mean positive interactions father	-0.01(.01)	-0.635	4790	.525	1.270	4790	.204
(c) Outcome: positive interactions friends	Intercept	0.01(.03)	0.471	4790	.638	-0.938	4790	.348
	Previous day positive interactions friends	0.25(.03)	9.313	4790	< .001	-2.816	4790	.005
	<b>Same day positive interactions father</b>	<b>0.19(.03)</b>	<b>5.747</b>	<b>4790</b>	<b>&lt; .001</b>	<b>-3.406</b>	<b>4790</b>	<b>.001</b>

					Moderation by wave			
		Estimate	t	df	p	t	df	p
		(SE)						
(d) Outcome: positive interactions father	Mean positive interactions friends	1.01(.01)	68.205	4790	< .001	-0.417	4790	.676
	Mean positive interactions father	0(.01)	-0.057	4790	.955	0.353	4790	.724
	Intercept	0.01(.02)	0.388	4790	.698	-1.014	4790	.311
	Previous day positive interactions father	0.14(.02)	6.418	4790	< .001	-0.884	4790	.377
	Same day positive interactions mother	0.36(.03)	11.565	4790	< .001	0.910	4790	.363
	Mean positive interactions father	1.01(.01)	84.436	4790	< .001	-0.440	4790	.660
	Mean positive interactions mother	-0.01(.01)	-0.676	4790	.499	0.928	4790	.354
(e) Outcome: positive interactions siblings	Intercept	0.01(.02)	0.308	4790	.758	-1.243	4790	.214
	Previous day positive interactions siblings	0.16(.03)	5.636	4790	< .001	1.273	4790	.203
	Same day positive interactions mother	0.22(.02)	9.206	4790	< .001	-0.003	4790	.997
	Mean positive interactions siblings	1.02(.01)	77.608	4790	< .001	-1.363	4790	.173
	Mean positive interactions mother	-0.01(.01)	-1.055	4790	.291	1.395	4790	.163
(f) Outcome: positive	Intercept	0.02(.03)	0.546	4790	.585	-1.008	4790	.314
	Previous day positive interactions friends	0.26(.03)	9.592	4790	< .001	-3.214	4790	.001

		Moderation by wave						
		Estimate (SE)	t	df	p	t	df	p
interactions friends	<b>Same day positive interactions mother</b>	<b>0.15(.03)</b>	<b>5.667</b>	<b>4790</b>	<b>&lt; .001</b>	<b>-2.244</b>	<b>4790</b>	<b>.025</b>
	Mean positive interactions friends	1.01(.01)	71.937	4790	< .001	-0.504	4790	.614
	Mean positive interactions mother	0(.01)	-0.161	4790	.872	0.584	4790	.559
	Intercept	0(.02)	0.159	4790	.874	-1.171	4790	.242
	Previous day positive interactions father	.19(.02)	7.613	4790	< .001	-2.358	4790	.018
(g) Outcome: positive interactions father	Same day positive interactions siblings	.38(.04)	9.786	4790	< .001	-1.278	4790	.201
	Mean positive interactions father	.99(.01)	95.851	4790	< .001	0.609	4790	.543
	Mean positive interactions siblings	.01(.01)	0.397	4790	.692	0.593	4790	.553
	Intercept	-.02(.02)	-0.796	4790	.426	-0.699	4790	.484
	Previous day positive interactions mother	.17(.03)	6.456	4790	< .001	-0.492	4790	.623
(h) Outcome: positive interactions mother	Same day positive interactions siblings	.38(.04)	9.270	4790	< .001	0.694	4790	.488
	Mean positive interactions mother	.99(.01)	93.891	4790	< .001	0.733	4790	.464
	Mean positive interactions siblings	.01(.01)	0.600	4790	.549	0.286	4790	.775
	Intercept	.01(.03)	0.503	4790	.615	-1.067	4790	.286

		Moderation by wave						
		Estimate (SE)	t	df	p	t	df	p
(i) Outcome: positive interactions friends	Previous day positive interactions friends	.24(.03)	8.863	4790	< .001	-2.284	4790	.022
	<b>Same day positive interactions siblings</b>	<b>.23(.04)</b>	<b>5.817</b>	<b>4790</b>	<b>&lt; .001</b>	<b>-3.091</b>	<b>4790</b>	<b>.002</b>
	Mean positive interactions friends	> .99(.01)	71.705	4790	< .001	0.293	4790	.770
	Mean positive interactions siblings	.02(.02)	1.387	4790	.166	-0.396	4790	.692
	Intercept	0(.02)	-0.037	4790	.970	-1.468	4790	.142
(j) Outcome: positive interactions father	Previous day positive interactions father	.19(.03)	6.729	4790	< .001	-0.632	4790	.528
	Same day positive interactions friends	.12(.02)	5.248	4790	< .001	-0.784	4790	.433
	Mean positive interactions father	.98(.01)	114.801	4790	< .001	2.681	4790	.007
	Mean positive interactions friends	.01(.01)	1.347	4790	.178	-0.556	4790	.578
	Intercept	-.03(.03)	-1.058	4790	.290	-0.832	4790	.405
(k) Outcome: positive interactions mother	Previous day positive interactions mother	.17(.03)	6.041	4790	< .001	-0.075	4790	.940
	Same day positive interactions friends	.1(.02)	4.074	4790	< .001	1.335	4790	.182
	Mean positive interactions mother	.99(.01)	111.285	4790	< .001	1.993	4790	.046
	Mean positive interactions friends	.02(.01)	1.752	4790	.080	-1.038	4790	.300
	Intercept							

					Moderation by wave			
					t	df	p	
		Estimate (SE)	t	df	p			
Intercept		-.02(.02)	-0.764	4790	.445	-0.706	4790	.480
(l) Outcome: positive interactions siblings	Previous day positive interactions with siblings	.15(.03)	5.065	4790	< .001	1.859	4790	.063
	Same day positive interactions friends	.13(.03)	5.094	4790	< .001	-0.951	4790	.342
	Mean positive interactions siblings	.98(.01)	85.002	4790	< .001	1.345	4790	.179
	Mean positive interactions friends	.01(.01)	1.407	4790	.159	-0.719	4790	.472

Table S3. Day level negative spillover within and outside the family and moderation by data wave: Full analyses

		Estimate (SE)	t	df	p	Moderation by wave		
						t	df	p
(a) Outcome: negative interactions mother	Intercept	0(.01)	-0.376	4790	.707	-0.051	4790	.959
	Previous day negative interactions mother	0.08(.03)	3.179	4790	.001	-0.620	4790	.535
	Same day negative interactions father	0.4(.05)	8.669	4790	< .001	1.642	4790	.101
	Mean negative interactions mother	1.02(.02)	45.412	4790	< .001	-0.910	4790	.363
	Mean negative interactions father	-0.04(.03)	-1.261	4790	.207	1.347	4790	.178
(b) Outcome: negative interactions siblings	Intercept	.01(.01)	0.642	4790	.521	-1.934	4790	.053†
	Previous day negative interactions siblings	.12(.03)	4.237	4790	< .001	0.687	4790	.492
	Same day negative interactions father	.28(.05)	5.358	4790	< .001	0.433	4790	.665
	Mean negative interactions siblings	.98(.01)	96.108	4790	< .001	1.583	4790	.114
	Mean negative interactions father	.01(.03)	0.306	4790	.759	0.838	4790	.402
(c) Outcome: negative interactions friends	Intercept	-0.01(.01)	-1.136	4790	.256	0.639	4790	.523
	Previous day negative interactions friends	0.1(.03)	3.390	4790	.001	0.156	4790	.876
	Same day negative interactions father	0.01(.03)	0.237	4790	.813	0.600	4790	.549

					Moderation by wave			
		Estimate	t	df	p	t	df	p
		(SE)						
(d) Outcome: negative interactions father	Mean negative interactions friends	1.01(.02)	62.094	4790	< .001	-0.138	4790	.890
	Mean negative interactions father	0.05(.03)	1.630	4790	.103	-1.328	4790	.184
	Intercept	0(.01)	0.070	4790	.944	-0.386	4790	.699
	Previous day negative interactions father	0(.03)	-0.156	4790	.876	2.881	4790	.004
	Same day negative interactions mother	0.31(.04)	8.256	4790	< .001	0.486	4790	.627
	Mean negative interactions father	1.02(.02)	41.496	4790	< .001	-0.643	4790	.520
(e) Outcome: negative interactions siblings	Mean negative interactions mother	0.02(.02)	1.206	4790	.228	-0.277	4790	.781
	Intercept	0(.02)	0.228	4790	.819	-1.721	4790	.085†
	Previous day negative interactions siblings	.12(.03)	4.060	4790	< .001	0.673	4790	.501
	Same day negative interactions mother	.19(.04)	4.682	4790	< .001	1.161	4790	.245
	Mean negative interactions siblings	.97(.01)	86.408	4790	< .001	2.812	4790	.005
	Mean negative interactions mother	.03(.03)	1.156	4790	.248	-0.378	4790	.706
(f) Outcome: negative	Intercept	0(.01)	-0.296	4790	.768	0.314	4790	.754
	Previous day negative interactions friends	0.09(.03)	3.248	4790	.001	0.589	4790	.556



		Moderation by wave						
		Estimate	t	df	p	t	df	p
		(SE)						
interactions	Same day negative	0.05(.02)	2.589	4790	.010	-1.681	4790	.093†
friends	interactions mother							
	Mean negative	1.02(.01)	70.912	4790	< .001	-0.969	4790	.333
	interactions friends							
	Mean negative	-0.01(.02)	-0.491	4790	.623	0.540	4790	.589
	interactions mother							
Intercept		-0.01(.01)	-0.641	4790	.522	0.175	4790	.861
	Previous day negative	0.01(.03)	0.435	4790	.663	2.666	4790	.008
	interactions father							
(g) Outcome:	Same day negative	0.12(.02)	4.852	4790	< .001	0.530	4790	.596
negative	interactions siblings							
interactions	Mean negative	1.04(.03)	41.299	4790	< .001	-1.535	4790	.125
father	interactions father							
	Mean negative	0.01(.01)	1.365	4790	.172	-0.444	4790	.657
	interactions siblings							
Intercept		0(.01)	-0.283	4790	.777	-0.293	4790	.770
	Previous day negative	.09(.03)	3.232	4790	.001	-0.349	4790	.727
	interactions mother							
(h) Outcome:	Same day negative	.13(.02)	5.168	4790	< .001	0.110	4790	.912
negative	interactions siblings							
interactions	Mean negative	.98(.02)	42.478	4790	< .001	-0.334	4790	.738
mother	interactions mother							
	Mean negative	0(.01)	0.436	4790	.663	0.785	4790	.432
	interactions siblings							
Intercept		-0.01(.01)	-0.521	4790	.602	0.200	4790	.842

						Moderation by wave		
		Estimate	t	df	p	t	df	p
		(SE)						
(i) Outcome: negative interactions friends	Previous day negative interactions friends	0.09(.03)	3.295	4790	.001	0.621	4790	.534
	Same day negative interactions siblings	0.03(.02)	1.925	4790	.054	-0.948	4790	.343
	Mean negative interactions friends	1.02(.01)	71.346	4790	< .001	-0.839	4790	.401
	Mean negative interactions siblings	-0.01(.01)	-0.789	4790	.430	1.265	4790	.206
Intercept		0(.01)	-0.118	4790	.906	-0.316	4790	.752
(j) Outcome: negative interactions father	Previous day negative interactions father	0.02(.03)	0.774	4790	.439	2.469	4790	.014
	<b>Same day negative interactions friends</b>	<b>-0.02(.02)</b>	<b>-0.842</b>	<b>4790</b>	<b>.400</b>	<b>2.395</b>	<b>4790</b>	<b>.017</b>
	Mean negative interactions father	1.06(.03)	38.944	4790	< .001	-1.355	4790	.175
	Mean negative interactions friends	-0.01(.02)	-0.572	4790	.568	0.127	4790	.899
Intercept		0(.01)	-0.233	4790	.816	-0.437	4790	.662
(k) Outcome: negative interactions mother	Previous day negative interactions mother	0.11(.03)	3.929	4790	< .001	-0.490	4790	.624
	Same day negative interactions friends	0.02(.02)	1.170	4790	.242	0.570	4790	.569
	Mean negative interactions mother	1(.02)	40.337	4790	< .001	-0.058	4790	.954
	Mean negative interactions friends	-0.01(.02)	-0.619	4790	.536	0.725	4790	.468

					Moderation by wave		
					t	df	p
		Estimate (SE)	t	df	p		
Intercept		.01(.02)	0.604	4790	.546	-1.810	4790 .070†
(l) Outcome: negative interactions siblings	Previous day negative interactions siblings	.12(.03)	4.103	4790	< .001	1.090	4790 .276
	Same day negative interactions friends	.05(.03)	1.708	4790	.088	0.108	4790 .914
	Mean negative interactions siblings	.98(.01)	86.312	4790	< .001	2.100	4790 .036
	Mean negative interactions friends	-.01(.02)	-0.649	4790	.517	0.446	4790 .656

Table S4. Zero-order correlations between all study variables (N=112).

	Age <sup>1</sup>	1. Depression T1	2. Depression T2	Positive interactions T1				Negative interactions T1				Positive interactions T2				Negative interactions T2			
				3. mother	4. father	5. Sibling	6. Friend	7. mother	8. father	9. Sibling	10. Friend	11. mother	12. father	13. Sibling	14. Friend	15. mother	16. father	17. Sibling	18. Friend
1	.21*																		
2	.12	.72***																	
3	-.30**	-.32***	-.33***																
4	-.32***	-.24***	-.22*	.80**															
5	-.21*	-.17	-.19*	.68**	.75**														
6	.05	-.13	-.10	.24*	.30**	.38**													
7	.10	.52***	.34***	-.20*	-.12	-.15	-.03												
8	.02	.42***	.21*	-.10	-.03	-.08	-.05	.59***											
9	-.15	.32**	.20*	.13	.15	-.01	-.06	.44***	.45***										
10	.13	.49***	.36***	-.16	-.15	-.17	.13	.51**	.50***	.35***									
11	-.26**	-.37***	-.39***	.68**	.57**	.53***	.26*	-.14	-.09	-.05	-.20*								
12	-.32**	-.26**	-.32***	.62**	.75**	.61**	.23*	-.12	-.03	.00	-.16	.81***							
13	-.20*	-.20*	-.27**	.59**	.66**	.71**	.39***	-.10	-.05	.01	-.15	.71***	.80***						
14	.30**	-.04	-.06	.19*	.27*	.28*	.50***	.01	-.02	-.11	.06	.30***	.28**	.42***					
15	-.08	.25**	.31**	-.03	-.05	-.15	-.06	.50**	.20*	.25*	.44***	-.08	-.07	-.09	-.02				
16	-.10	.05	.25**	.04	.09	-.14	.01	.29*	.39**	.19*	.27*	-.03	.05	-.04	.03	.68**			
17	-.17	.11	.19*	.12	.15	.03	-.03	.36***	.45***	.55***	.30*	.09	.15	.12	-.08	.455**	.643**		
18	.30**	.22*	.25**	-.03	.04	-.05	.20*	.18	.18	.03	.38***	-.08	-.05	-.07	.34***	.20*	.26**	.16	
																		1	

\* $p < .05$ , \*\* $p < .01$ , \*\*\* $p < .001$ <sup>1</sup>The correlation presented is between variable as measures as the same time as age