

Supplemental Materials: Initial Results for Study 1 and Study 2

The results below are based on our initial, pre-registered models (see document “Preregistration” uploaded on April 26, 2019, and document “Addendum” uploaded on July 14, 2019). Note that these models did not separate within-from between-person effects and did not include random slopes. Therefore, any conclusions drawn from this research should be based on the results from the revised analyses which are presented in the manuscript.

Study 1

Table A1

Study 1: Analysis 1, Step 1

	Extraversion			Agreeableness			Conscientiousness			Neuroticism			Openness		
	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>
Intercept	2.846	0.014	<.001	2.850	0.014	<.001	2.854	0.014	<.001	2.851	0.013	<.001	2.849	0.014	<.001
FtF	0.209	0.007	<.001	0.210	0.007	<.001	0.210	0.007	<.001	0.210	0.007	<.001	0.210	0.007	<.001
CMC	0.016	0.008	.043	0.017	0.008	.036	0.017	0.008	.035	0.017	0.008	.030	0.017	0.008	.032
Mixed	0.200	0.009	<.001	0.200	0.009	<.001	0.201	0.009	<.001	0.201	0.009	<.001	0.201	0.009	<.001
Weekend^a	0.099	0.006	<.001	0.099	0.006	<.001	0.099	0.006	<.001	0.099	0.006	<.001	0.099	0.006	<.001
Personality	0.074	0.013	<.001	0.089	0.013	<.001	0.082	0.013	<.001	-0.190	0.012	<.001	0.009	0.013	.478
Variance intercept	0.188			0.186			0.187			0.158			0.194		
Residual variance	0.247			0.247			0.247			0.247			0.247		

Note. Main effects of mode of communication (reference category: no social interaction) and personality traits (each trait in separate models) on momentary well-being. All models included random intercepts. Coefficients in bold are significant with $p < .01$.

^aWeekend: 0 = weekday, 1 = weekend day.

Table A2

Study 1: Analysis 1, Step 2

	Extraversion			Agreeableness			Conscientiousness			Neuroticism			Openness		
	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>
Intercept	2.849	0.014	<.001	2.848	0.014	<.001	2.854	0.014	<.001	2.851	0.013	<.001	2.849	0.014	<.001
FtF	0.208	0.007	<.001	0.211	0.007	<.001	0.210	0.007	<.001	0.210	0.007	<.001	0.210	0.007	<.001
CMC	0.014	0.008	.080	0.018	0.008	.023	0.017	0.008	.037	0.017	0.008	.031	0.017	0.008	.032
Mixed	0.198	0.009	<.001	0.202	0.009	<.001	0.201	0.009	<.001	0.200	0.009	<.001	0.201	0.009	<.001
Weekend^a	0.099	0.006	<.001	0.099	0.006	<.001	0.099	0.006	<.001	0.099	0.006	<.001	0.099	0.006	<.001
Personality	0.083	0.014	<.001	0.073	0.014	<.001	0.084	0.014	<.001	-0.215	0.013	<.001	0.010	0.014	.478
Pers × FtF	-0.013	0.007	.075	0.021	0.007	.005	-0.004	0.007	.541	0.037	0.007	<.001	0.003	0.007	.695
Pers × CMC	-0.010	0.008	.231	0.022	0.008	.005	0.007	0.008	.362	0.013	0.008	.115	-0.007	0.008	.392
Pers × Mixed	-0.011	0.009	.205	0.020	0.009	.020	-0.013	0.009	.126	0.044	0.008	<.001	0.001	0.009	.923
Variance intercept	0.188			0.186			0.187			0.158			0.194		
Residual variance	0.247			0.246			0.247			0.246			0.247		

Note. Effects of mode of communication (reference category: no social interaction), personality traits (each trait in separate models), and their cross-level interactions on momentary well-being. Pers = personality. All models included random intercepts. Coefficients in bold are significant with $p < .01$.

^aWeekend: 0 = weekday, 1 = weekend day.

Table A3

Study 1: Analysis 2, Step 1

	Extraversion			Agreeableness			Conscientiousness			Neuroticism			Openness		
	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>
Intercept	3.116	0.014	<.001	3.119	0.014	<.001	3.124	0.014	<.001	3.120	0.013	<.001	3.119	0.015	<.001
CMC	-0.240	0.009	<.001	-0.240	0.009	<.001	-0.240	0.009	<.001	-0.238	0.009	<.001	-0.240	0.009	<.001
Mixed	-0.012	0.011	.292	-0.012	0.011	.291	-0.011	0.011	.314	-0.010	0.011	.345	-0.011	0.011	.330
Family	0.021	0.013	.109	0.019	0.013	.144	0.019	0.013	.157	0.022	0.013	.099	0.020	0.013	.140
Others	-0.194	0.010	<.001	-0.194	0.010	<.001	-0.195	0.010	<.001	-0.195	0.010	<.001	-0.195	0.010	<.001
Weekend^a	0.069	0.008	<.001	0.069	0.008	<.001	0.069	0.008	<.001	0.068	0.008	<.001	0.069	0.008	<.001
Personality	0.068	0.013	<.001	0.092	0.013	<.001	0.079	0.013	<.001	-0.185	0.012	<.001	0.010	0.013	.443
Variance intercept	0.177			0.172			0.175			0.147			0.181		
Residual variance	0.246			0.246			0.246			0.246			0.246		

Note. Main effects of mode of communication (reference category: FtF), type of interaction partner (reference category: peers), and personality traits (each trait in separate models) on momentary well-being. All models included random intercepts. Coefficients in bold are significant with $p < .01$.

^aWeekend: 0 = weekday, 1 = weekend day.

Table A4

Study 1: Analysis 2, Step 2

	Extraversion			Agreeableness			Conscientiousness			Neuroticism			Openness		
	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>
Intercept	3.125	0.015	<.001	3.128	0.015	<.001	3.132	0.015	<.001	3.130	0.014	<.001	3.128	0.015	<.001
CMC	-0.256	0.010	<.001	-0.255	0.010	<.001	-0.255	0.010	<.001	-0.254	0.010	<.001	-0.256	0.010	<.001
Mixed	-0.024	0.012	.051	-0.023	0.012	.058	-0.021	0.012	.085	-0.021	0.012	.084	-0.021	0.012	.089
Family	0.051	0.018	.006	0.047	0.018	.010	0.047	0.018	.010	0.049	0.018	.008	0.048	0.018	.009
Others	-0.231	0.012	<.001	-0.232	0.012	<.001	-0.233	0.012	<.001	-0.233	0.012	<.001	-0.232	0.012	<.001
Weekend^a	0.064	0.008	<.001	0.064	0.008	<.001	0.064	0.008	<.001	0.063	0.008	<.001	0.064	0.008	<.001
Personality	0.064	0.014	<.001	0.083	0.014	<.001	0.067	0.014	<.001	-0.178	0.013	<.001	0.014	0.014	.335
CMC × Family	-0.065	0.027	.015	-0.063	0.027	.018	-0.065	0.027	.015	-0.063	0.027	.018	-0.065	0.027	.016
CMC × Others	0.186	0.027	<.001	0.188	0.027	<.001	0.193	0.027	<.001	0.188	0.027	<.001	0.187	0.027	<.001
Mixed × Family	-0.024	0.047	.607	-0.018	0.047	.695	-0.026	0.047	.584	-0.028	0.047	.558	-0.025	0.047	.595
Mixed × Others	0.065	0.032	.041	0.064	0.032	.044	0.065	0.032	.041	0.064	0.032	.042	0.064	0.032	.042
Pers × CMC	-0.001	0.009	.921	0.010	0.009	.270	0.017	0.009	.050	-0.026	0.009	.006	-0.013	0.009	.152
Pers × Mixed	0.012	0.011	.269	0.021	0.011	.053	0.005	0.011	.645	0.008	0.011	.442	0.006	0.011	.619
Pers × Family	0.007	0.014	.608	0.016	0.013	.224	0.023	0.013	.085	0.018	0.014	.191	0.000	0.014	.994
Pers × Others	0.004	0.010	.723	0.005	0.010	.622	0.021	0.010	.037	-0.013	0.010	.198	-0.002	0.010	.837
Variance intercept	0.176			0.173			0.175			0.147			0.181		
Residual variance	0.246			0.246			0.246			0.246			0.246		

Note. Effects of mode of communication (reference category: FtF), type of interaction partner (reference category: peers), personality traits (each trait in separate models), and all two-way interactions on momentary well-being. Pers = personality. All models included random intercepts. Coefficients in bold are significant with $p < .01$.

^aWeekend: 0 = weekday, 1 = weekend day.

Table A5

Study 1: Analysis 2, Step 3

	Extraversion			Agreeableness			Conscientiousness			Neuroticism			Openness		
	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>
Intercept	3.125	0.015	<.001	3.128	0.015	<.001	3.132	0.015	<.001	3.130	0.014	<.001	3.129	0.015	<.001
CMC	-0.256	0.010	<.001	-0.255	0.010	<.001	-0.255	0.010	<.001	-0.254	0.010	<.001	-0.256	0.010	<.001
Mixed	-0.024	0.012	.054	-0.023	0.012	.062	-0.021	0.012	.085	-0.021	0.012	.088	-0.020	0.012	.100
Family	0.048	0.019	.009	0.048	0.018	.009	0.048	0.018	.010	0.048	0.018	.009	0.049	0.018	.007
Others	-0.231	0.012	<.001	-0.232	0.012	<.001	-0.233	0.012	<.001	-0.233	0.012	<.001	-0.232	0.012	<.001
Weekend^a	0.064	0.008	<.001	0.064	0.008	<.001	0.064	0.008	<.001	0.063	0.008	<.001	0.063	0.008	<.001
Personality	0.065	0.014	<.001	0.087	0.014	<.001	0.067	0.014	<.001	-0.181	0.014	<.001	0.016	0.015	.264
CMC × Family	-0.062	0.027	.021	-0.064	0.027	.017	-0.066	0.027	.014	-0.059	0.027	.028	-0.064	0.027	.018
CMC × Others	0.186	0.027	<.001	0.190	0.027	<.001	0.190	0.027	<.001	0.188	0.027	<.001	0.187	0.027	<.001
Mixed × Family	-0.022	0.047	.646	-0.014	0.047	.772	-0.025	0.047	.595	-0.023	0.047	.620	-0.028	0.047	.555
Mixed × Others	0.066	0.032	.039	0.061	0.032	.056	0.064	0.032	.042	0.064	0.032	.042	0.064	0.032	.044
Pers × CMC	-0.002	0.010	.842	0.005	0.010	.628	0.017	0.010	.087	-0.021	0.011	.043	-0.021	0.010	.044
Pers × Mixed	0.011	0.012	.366	0.011	0.012	.386	0.005	0.012	.694	0.014	0.012	.236	0.009	0.012	.445
Pers × Family	-0.007	0.019	.721	0.008	0.019	.663	0.018	0.019	.328	0.045	0.019	.018	-0.027	0.019	.158
Pers × Others	0.006	0.012	.612	-0.006	0.012	.616	0.023	0.012	.059	-0.013	0.012	.281	-0.001	0.012	.921
Pers × CMC × Family	0.024	0.027	.386	0.004	0.027	.881	0.013	0.027	.642	-0.054	0.028	.056	0.065	0.027	.018
Pers × CMC × Others	-0.013	0.028	.635	0.026	0.027	.340	-0.015	0.026	.578	0.023	0.028	.404	0.014	0.027	.602
Pers × Mixed × Family	0.043	0.047	.358	0.064	0.047	.170	-0.010	0.049	.844	-0.055	0.045	.220	-0.012	0.050	.802
Pers × Mixed × Others	-0.012	0.033	.722	0.055	0.032	.084	0.006	0.032	.858	-0.017	0.031	.586	-0.048	0.031	.122
Variance intercept	0.176			0.173			0.175			0.147			0.181		
Residual variance	0.246			0.246			0.246			0.245			0.246		

Note. Effects of mode of communication (reference category: FtF), type of interaction partner (reference category: peers), personality traits (each trait in separate models), and all two-way and three-way interactions on momentary well-being. Pers = personality. All models included random intercepts. Coefficients in bold are significant with $p < .01$.

^aWeekend: 0 = weekday, 1 = weekend day.

Table A6

Study 1: Analysis 3, Step 1

	Extraversion			Agreeableness			Conscientiousness			Neuroticism			Openness		
	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>
Intercept	2.890	0.025	<.001	2.894	0.025	<.001	2.899	0.025	<.001	2.897	0.024	<.001	2.893	0.025	<.001
TCE	-0.025	0.021	.244	-0.025	0.021	.239	-0.028	0.021	.193	-0.021	0.021	.313	-0.026	0.021	.216
SNS	-0.011	0.026	.669	-0.013	0.026	.610	-0.016	0.026	.548	-0.008	0.026	.768	-0.014	0.026	.597
Family	-0.019	0.024	.427	-0.021	0.024	.372	-0.024	0.024	.314	-0.015	0.024	.533	-0.022	0.024	.353
Others	-0.051	0.028	.073	-0.050	0.028	.078	-0.047	0.028	.095	-0.051	0.028	.073	-0.051	0.028	.070
Weekend^a	0.026	0.017	.123	0.026	0.017	.116	0.026	0.017	.118	0.025	0.017	.139	0.026	0.017	.126
Personality	0.050	0.017	.003	0.090	0.016	<.001	0.088	0.016	<.001	-0.203	0.016	<.001	0.008	0.016	.618
Variance intercept	0.201			0.195			0.196			0.165			0.203		
Residual variance	0.247			0.247			0.247			0.247			0.247		

Note. Main effects of mode of communication (reference category: talking on the phone/video-chatting), type of interaction partner (reference category: peers), and personality traits (each trait in separate models) on momentary well-being. TCE = texting/chatting/emailing; SNS = interactions on social networking sites. All models included random intercepts. Coefficients in bold are significant with $p < .01$.

^aWeekend: 0 = weekday, 1 = weekend day.

Table A7

Study 1: Analysis 3, Step 2

	Extraversion			Agreeableness			Conscientiousness			Neuroticism			Openness		
	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>
Intercept	2.916	0.029	<.001	2.920	0.028	<.001	2.919	0.028	<.001	2.919	0.028	<.001	2.915	0.028	<.001
TCE	-0.052	0.027	.053	-0.053	0.027	.046	-0.048	0.027	.073	-0.044	0.026	.095	-0.050	0.026	.059
SNS	-0.045	0.031	.149	-0.049	0.031	.113	-0.044	0.031	.158	-0.040	0.030	.194	-0.045	0.031	.145
Family	-0.069	0.038	.069	-0.074	0.038	.051	-0.067	0.038	.075	-0.059	0.037	.115	-0.065	0.038	.086
Others	-0.103	0.064	.108	-0.099	0.064	.119	-0.103	0.064	.105	-0.104	0.063	.100	-0.101	0.064	.112
Weekend^a	0.026	0.017	.126	0.026	0.017	.125	0.025	0.017	.128	0.024	0.017	.148	0.025	0.017	.140
Personality	0.028	0.026	.277	0.110	0.025	<.001	0.074	0.025	.003	-0.213	0.026	<.001	0.015	0.026	.567
TCE × Family	0.076	0.050	.124	0.073	0.049	.141	0.065	0.049	.189	0.070	0.049	.155	0.070	0.049	.153
TCE × Others	0.040	0.073	.580	0.039	0.072	.586	0.043	0.072	.556	0.040	0.072	.573	0.038	0.072	.599
SNS × Family	0.084	0.085	.322	0.087	0.085	.307	0.077	0.085	.365	0.069	0.084	.413	0.076	0.085	.369
SNS × Others	0.148	0.092	.108	0.154	0.091	.092	0.141	0.092	.123	0.155	0.091	.089	0.142	0.091	.121
Pers × TCE	0.019	0.022	.402	-0.023	0.021	.280	0.023	0.022	.288	0.006	0.023	.799	-0.018	0.022	.410
Pers × SNS	0.029	0.027	.295	-0.026	0.025	.315	0.000	0.027	.986	0.031	0.028	.265	-0.019	0.027	.473
Pers × Family	0.031	0.024	.194	-0.023	0.023	.323	0.020	0.024	.418	-0.008	0.026	.752	0.045	0.025	.068
Pers × Others	0.008	0.029	.797	0.027	0.028	.334	-0.018	0.028	.511	0.001	0.029	.986	0.026	0.028	.351
Variance intercept	0.202			0.196			0.197			0.166			0.203		
Residual variance	0.247			0.247			0.247			0.247			0.247		

Note. Effects of mode of communication (reference category: talking on the phone/video-chatting), type of interaction partner (reference category: peers), personality traits (each trait in separate models), and all two-way interactions on momentary well-being. TCE = texting/chatting/emailing; SNS = interactions on social networking sites; Pers = personality. All models included random intercepts. Coefficients in bold are significant with $p < .01$.

^aWeekend: 0 = weekday, 1 = weekend day.

Table A8

Study 1: Analysis 3, Step 3

	Extraversion			Agreeableness			Conscientiousness			Neuroticism			Openness		
	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>
Intercept	2.913	0.029	<.001	2.923	0.029	<.001	2.920	0.029	<.001	2.920	0.028	<.001	2.914	0.028	<.001
TCE	-0.048	0.027	.075	-0.056	0.027	.037	-0.049	0.027	.067	-0.045	0.026	.089	-0.050	0.026	.060
SNS	-0.041	0.031	.187	-0.052	0.031	.093	-0.045	0.031	.150	-0.041	0.030	.181	-0.045	0.031	.145
Family	-0.068	0.038	.070	-0.075	0.038	.047	-0.069	0.038	.069	-0.061	0.037	.106	-0.065	0.038	.086
Others	-0.096	0.065	.144	-0.099	0.065	.124	-0.098	0.064	.126	-0.102	0.063	.106	-0.103	0.064	.106
Weekend^a	0.027	0.017	.112	0.025	0.017	.128	0.026	0.017	.121	0.024	0.017	.153	0.025	0.017	.132
Personality	0.054	0.029	.067	0.124	0.028	<.001	0.079	0.029	.006	-0.241	0.029	<.001	0.010	0.030	.729
TCE × Family	0.080	0.050	.107	0.075	0.050	.130	0.066	0.050	.183	0.076	0.050	.127	0.071	0.049	.150
TCE × Others	0.033	0.074	.656	0.037	0.073	.611	0.037	0.073	.611	0.039	0.072	.583	0.041	0.072	.575
SNS × Family	0.084	0.085	.319	0.100	0.086	.243	0.080	0.086	.351	0.076	0.088	.387	0.078	0.086	.360
SNS × Others	0.127	0.093	.176	0.185	0.094	.049	0.118	0.094	.210	0.156	0.091	.087	0.143	0.092	.118
Pers × TCE	-0.016	0.028	.567	-0.035	0.027	.197	0.015	0.028	.590	0.038	0.029	.193	-0.014	0.028	.627
Pers × SNS	0.007	0.032	.831	-0.047	0.030	.118	0.000	0.032	.992	0.062	0.033	.057	-0.015	0.031	.638
Pers × Family	-0.028	0.039	.473	-0.057	0.038	.130	-0.005	0.038	.896	0.037	0.040	.364	0.044	0.039	.267
Pers × Others	-0.033	0.066	.615	0.030	0.061	.621	0.039	0.067	.559	0.132	0.075	.077	0.083	0.068	.223
Pers × TCE × Family	0.101	0.050	.042	0.044	0.049	.372	0.050	0.049	.305	-0.067	0.053	.205	0.008	0.050	.877
Pers × TCE × Others	0.073	0.075	.329	-0.033	0.070	.640	-0.056	0.074	.451	-0.151	0.083	.068	-0.072	0.076	.342
Pers × SNS × Family	0.059	0.083	.476	0.089	0.075	.239	0.006	0.107	.956	-0.062	0.101	.542	-0.011	0.105	.918
Pers × SNS × Others	-0.039	0.098	.695	0.092	0.089	.299	-0.111	0.092	.230	-0.166	0.097	.088	-0.055	0.088	.530
Variance intercept	0.202			0.196			0.196			0.166			0.203		
Residual variance	0.247			0.247			0.247			0.247			0.247		

Note. Effects of mode of communication (reference category: talking on the phone/video-chatting), type of interaction partner (reference category: peers), personality traits (each trait in separate models), and all two-way and three-way interactions on momentary well-being. TCE = texting/chatting/emailing; SNS = interactions on social networking sites; Pers = personality. All models included random intercepts. Coefficients in bold are significant with $p < .01$.

^aWeekend: 0 = weekday, 1 = weekend day.

Study 2

Table B1

Study 2: Analysis 1, Step 1

	Extraversion			Agreeableness			Conscientiousness			Neuroticism			Openness		
	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>
Intercept	2.833	0.018	<.001	2.834	0.018	<.001	2.842	0.018	<.001	2.831	0.017	<.001	2.833	0.018	<.001
FtF	0.210	0.010	<.001	0.210	0.010	<.001	0.210	0.010	<.001	0.210	0.010	<.001	0.210	0.010	<.001
CMC	0.009	0.011	.401	0.009	0.011	.384	0.010	0.011	.363	0.009	0.011	.389	0.010	0.011	.379
Mixed	0.171	0.012	<.001	0.171	0.012	<.001	0.172	0.012	<.001	0.171	0.012	<.001	0.171	0.012	<.001
Weekend^a	0.128	0.008	<.001	0.128	0.008	<.001	0.128	0.008	<.001	0.128	0.008	<.001	0.128	0.008	<.001
Personality	0.029	0.017	.077	0.044	0.016	.007	0.076	0.016	<.001	-0.163	0.016	<.001	0.014	0.017	.385
Variance intercept	0.160			0.159			0.155			0.136			0.161		
Residual variance	0.254			0.254			0.254			0.254			0.254		

Note. Main effects of mode of communication (reference category: no social interaction) and personality traits (each trait in separate models) on momentary well-being. All models included random intercepts. Coefficients in bold are significant with $p < .01$.

^aWeekend: 0 = weekday, 1 = weekend day.

Table B2

Study 2: Analysis 1, Step 2

	Extraversion			Agreeableness			Conscientiousness			Neuroticism			Openness		
	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>
Intercept	2.832	0.018	<.001	2.835	0.018	<.001	2.842	0.018	<.001	2.832	0.017	<.001	2.833	0.018	<.001
FtF	0.210	0.010	<.001	0.209	0.010	<.001	0.211	0.010	<.001	0.210	0.010	<.001	0.210	0.010	<.001
CMC	0.010	0.011	.355	0.009	0.011	.391	0.010	0.011	.344	0.009	0.011	.422	0.009	0.011	.383
Mixed	0.174	0.012	<.001	0.170	0.012	<.001	0.172	0.012	<.001	0.171	0.012	<.001	0.171	0.012	<.001
Weekend^a	0.128	0.008	<.001	0.128	0.008	<.001	0.127	0.008	<.001	0.127	0.008	<.001	0.128	0.008	<.001
Personality	0.027	0.018	.133	0.049	0.017	.005	0.080	0.017	<.001	-0.192	0.017	<.001	0.020	0.018	.257
Pers × FtF	0.010	0.009	.287	-0.003	0.010	.768	-0.016	0.010	.089	0.054	0.010	<.001	-0.003	0.010	.729
Pers × CMC	0.002	0.011	.883	-0.017	0.011	.130	0.004	0.011	.696	0.017	0.011	.116	-0.013	0.011	.233
Pers × Mixed	-0.008	0.013	.524	-0.002	0.012	.849	0.006	0.012	.619	0.041	0.012	.001	-0.009	0.012	.473
Variance intercept	0.160			0.159			0.155			0.135			0.161		
Residual variance	0.254			0.254			0.254			0.253			0.254		

Note. Effects of mode of communication (reference category: no social interaction), personality traits (each trait in separate models), and their cross-level interactions on momentary well-being. Pers = personality. All models included random intercepts. Coefficients in bold are significant with $p < .01$.

^aWeekend: 0 = weekday, 1 = weekend day.

Table B3

Study 2: Analysis 2, Step 1

	Extraversion			Agreeableness			Conscientiousness			Neuroticism			Openness		
	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>
Intercept	3.086	0.019	<.001	3.088	0.019	<.001	3.095	0.018	<.001	3.086	0.018	<.001	3.087	0.019	<.001
CMC	-0.234	0.012	<.001	-0.234	0.012	<.001	-0.233	0.012	<.001	-0.233	0.012	<.001	-0.234	0.012	<.001
Mixed	-0.052	0.016	.001	-0.052	0.016	.001	-0.051	0.016	.001	-0.052	0.016	.001	-0.052	0.016	.001
Family	0.014	0.017	.396	0.014	0.017	.415	0.012	0.017	.478	0.014	0.017	.393	0.014	0.017	.420
Others	-0.166	0.015	<.001	-0.167	0.015	<.001	-0.168	0.015	<.001	-0.168	0.015	<.001	-0.167	0.015	<.001
Weekend^a	0.111	0.011	<.001	0.110	0.011	<.001	0.110	0.011	<.001	0.111	0.011	<.001	0.111	0.011	<.001
Personality	0.026	0.017	.127	0.047	0.016	.004	0.074	0.016	<.001	-0.151	0.016	<.001	0.007	0.017	.667
Variance intercept	0.151			0.149			0.146			0.129			0.151		
Residual variance	0.257			0.257			0.257			0.257			0.257		

Note. Main effects of mode of communication (reference category: FtF), type of interaction partner (reference category: peers), and personality traits (each trait in separate models) on momentary well-being. All models included random intercepts. Coefficients in bold are significant with $p < .01$.

^aWeekend: 0 = weekday, 1 = weekend day.

Table B4

Study 2: Analysis 2, Step 2

	Extraversion			Agreeableness			Conscientiousness			Neuroticism			Openness		
	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>
Intercept	3.096	0.019	<.001	3.098	0.019	<.001	3.106	0.019	<.001	3.097	0.018	<.001	3.098	0.019	<.001
CMC	-0.248	0.015	<.001	-0.250	0.015	<.001	-0.248	0.015	<.001	-0.248	0.015	<.001	-0.249	0.015	<.001
Mixed	-0.066	0.018	<.001	-0.073	0.018	<.001	-0.072	0.018	<.001	-0.072	0.018	<.001	-0.072	0.018	<.001
Family	0.017	0.022	.453	0.013	0.022	.554	0.013	0.022	.542	0.014	0.022	.518	0.010	0.022	.659
Others	-0.196	0.017	<.001	-0.198	0.017	<.001	-0.198	0.017	<.001	-0.199	0.017	<.001	-0.198	0.017	<.001
Weekend^a	0.106	0.011	<.001	0.106	0.011	<.001	0.106	0.011	<.001	0.107	0.011	<.001	0.106	0.011	<.001
Personality	0.032	0.018	.080	0.045	0.018	.013	0.067	0.018	<.001	-0.133	0.017	<.001	0.014	0.018	.441
CMC × Family	-0.027	0.034	.433	-0.025	0.034	.472	-0.029	0.034	.399	-0.027	0.034	.429	-0.021	0.034	.531
CMC × Others	0.129	0.036	<.001	0.129	0.036	<.001	0.128	0.036	<.001	0.125	0.036	<.001	0.128	0.036	<.001
Mixed × Family	0.101	0.057	.076	0.113	0.057	.047	0.110	0.057	.053	0.111	0.057	.050	0.108	0.057	.058
Mixed × Others	0.067	0.046	.148	0.067	0.046	.147	0.066	0.046	.156	0.064	0.046	.166	0.068	0.046	.143
Pers × CMC	-0.004	0.012	.735	0.002	0.013	.875	0.021	0.013	.101	-0.039	0.012	.002	-0.007	0.012	.547
Pers × Mixed	-0.034	0.017	.051	-0.009	0.016	.544	0.017	0.017	.300	-0.001	0.016	.967	0.001	0.016	.972
Pers × Family	0.009	0.017	.579	0.001	0.017	.932	-0.005	0.017	.782	-0.010	0.017	.547	-0.055	0.017	.001
Pers × Others	-0.013	0.014	.358	0.012	0.015	.411	-0.002	0.015	.916	-0.021	0.015	.151	0.011	0.014	.452
Variance intercept	0.151			0.149			0.146			0.130			0.152		
Residual variance	0.256			0.256			0.256			0.256			0.256		

Note. Effects of mode of communication (reference category: FtF), type of interaction partner (reference category: peers), personality traits (each trait in separate models), and all two-way interactions on momentary well-being. Pers = personality. All models included random intercepts. Coefficients in bold are significant with $p < .01$.

^aWeekend: 0 = weekday, 1 = weekend day.

Table B5

Study 2: Analysis 2, Step 3

	Extraversion			Agreeableness			Conscientiousness			Neuroticism			Openness		
	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>
Intercept	3.096	0.019	<.001	3.098	0.019	<.001	3.106	0.019	<.001	3.097	0.018	<.001	3.097	0.019	<.001
CMC	-0.250	0.015	<.001	-0.249	0.015	<.001	-0.247	0.015	<.001	-0.248	0.015	<.001	-0.249	0.015	<.001
Mixed	-0.069	0.019	<.001	-0.072	0.018	<.001	-0.072	0.018	<.001	-0.072	0.018	<.001	-0.072	0.018	<.001
Family	0.018	0.022	.427	0.014	0.022	.514	0.012	0.022	.594	0.014	0.022	.511	0.009	0.022	.668
Others	-0.197	0.017	<.001	-0.197	0.017	<.001	-0.198	0.017	<.001	-0.199	0.017	<.001	-0.198	0.017	<.001
Weekend^a	0.107	0.011	<.001	0.107	0.011	<.001	0.105	0.011	<.001	0.106	0.011	<.001	0.106	0.011	<.001
Personality	0.027	0.019	.154	0.046	0.019	.014	0.061	0.019	.001	-0.125	0.018	<.001	0.016	0.019	.375
CMC × Family	-0.028	0.034	.418	-0.026	0.034	.444	-0.025	0.034	.466	-0.027	0.034	.423	-0.021	0.034	.534
CMC × Others	0.132	0.036	<.001	0.126	0.036	<.001	0.128	0.036	<.001	0.127	0.036	<.001	0.128	0.036	<.001
Mixed × Family	0.100	0.057	.080	0.110	0.057	.053	0.110	0.057	.054	0.108	0.057	.057	0.106	0.057	.065
Mixed × Others	0.074	0.047	.117	0.072	0.046	.121	0.065	0.046	.160	0.065	0.046	.161	0.069	0.046	.138
Pers × CMC	0.006	0.015	.674	0.004	0.015	.790	0.035	0.015	.017	-0.057	0.015	<.001	-0.012	0.014	.416
Pers × Mixed	-0.020	0.020	.308	-0.021	0.018	.225	0.017	0.019	.367	-0.012	0.017	.478	-0.005	0.018	.799
Pers × Family	0.023	0.021	.275	0.028	0.022	.209	0.017	0.023	.463	-0.045	0.022	.040	-0.064	0.023	.005
Pers × Others	-0.002	0.017	.917	-0.004	0.017	.835	0.008	0.017	.652	-0.035	0.017	.041	0.006	0.017	.721
Pers × CMC × Family	-0.031	0.035	.362	-0.063	0.034	.068	-0.055	0.034	.108	0.083	0.035	.018	0.021	0.035	.537
Pers × CMC × Others	-0.031	0.034	.356	0.032	0.036	.374	-0.053	0.036	.138	0.045	0.036	.221	0.005	0.035	.882
Pers × Mixed × Family	-0.052	0.063	.410	-0.044	0.056	.431	-0.006	0.060	.925	0.069	0.057	.225	0.000	0.063	.995
Pers × Mixed × Others	-0.041	0.045	.360	0.119	0.044	.007	0.034	0.047	.464	0.019	0.048	.689	0.034	0.047	.476
Variance intercept	0.151			0.150			0.146			0.130			0.152		
Residual variance	0.256			0.256			0.256			0.256			0.256		

Note. Effects of mode of communication (reference category: FtF), type of interaction partner (reference category: peers), personality traits (each trait in separate models), and all two-way and three-way interactions on momentary well-being. Pers = personality. All models included random intercepts. Coefficients in bold are significant with $p < .01$.

^aWeekend: 0 = weekday, 1 = weekend day.

Table B6

Study 2: Analysis 3, Step 1

	Extraversion			Agreeableness			Conscientiousness			Neuroticism			Openness		
	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>
Intercept	2.917	0.034	<.001	2.918	0.034	<.001	2.925	0.034	<.001	2.922	0.033	<.001	2.918	0.034	<.001
TCE	-0.068	0.030	.022	-0.068	0.030	.021	-0.069	0.030	.019	-0.070	0.029	.018	-0.068	0.030	.021
SNS	-0.073	0.036	.042	-0.073	0.036	.040	-0.073	0.036	.039	-0.074	0.035	.036	-0.073	0.036	.040
Family	-0.044	0.033	.187	-0.045	0.033	.172	-0.050	0.033	.133	-0.047	0.033	.155	-0.045	0.033	.179
Others	-0.085	0.038	.024	-0.086	0.038	.022	-0.087	0.038	.021	-0.092	0.037	.014	-0.085	0.038	.024
Weekend^a	0.087	0.023	<.001	0.086	0.023	<.001	0.085	0.023	<.001	0.087	0.023	<.001	0.087	0.023	<.001
Personality	0.014	0.022	.525	0.031	0.022	.149	0.075	0.021	.001	-0.163	0.022	<.001	-0.008	0.022	.711
Variance intercept	0.189			0.188			0.182			0.166			0.189		
Residual variance	0.255			0.255			0.255			0.254			0.255		

Note. Main effects of mode of communication (reference category: talking on the phone/video-chatting), type of interaction partner (reference category: peers), and personality traits (each trait in separate models) on momentary well-being. TCE = texting/chatting/emailing; SNS = interactions on social networking sites. All models included random intercepts. Coefficients in bold are significant with $p < .01$.

^aWeekend: 0 = weekday, 1 = weekend day.

Table B7

Study 2: Analysis 3, Step 2

	Extraversion			Agreeableness			Conscientiousness			Neuroticism			Openness		
	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>
Intercept	2.932	0.039	<.001	2.933	0.039	<.001	2.945	0.039	<.001	2.940	0.038	<.001	2.932	0.039	<.001
TCE	-0.090	0.037	.016	-0.088	0.037	.018	-0.093	0.037	.012	-0.093	0.037	.012	-0.087	0.037	.018
SNS	-0.082	0.042	.051	-0.081	0.042	.052	-0.087	0.042	.038	-0.085	0.042	.041	-0.071	0.042	.090
Family	-0.042	0.050	.398	-0.042	0.050	.406	-0.049	0.050	.327	-0.047	0.050	.347	-0.045	0.050	.373
Others	-0.284	0.089	.002	-0.280	0.089	.002	-0.284	0.088	.001	-0.294	0.088	.001	-0.278	0.088	.002
Weekend^a	0.088	0.023	<.001	0.086	0.023	<.001	0.084	0.023	<.001	0.088	0.023	<.001	0.084	0.023	<.001
Personality	0.017	0.035	.624	-0.008	0.035	.822	0.091	0.033	.006	-0.182	0.035	<.001	-0.054	0.033	.101
TCE × Family	-0.009	0.067	.890	-0.012	0.067	.859	-0.008	0.067	.906	-0.006	0.067	.925	-0.009	0.067	.899
TCE × Others	0.255	0.098	.009	0.246	0.097	.011	0.249	0.097	.010	0.256	0.096	.008	0.248	0.097	.011
SNS × Family	-0.090	0.125	.474	-0.087	0.125	.488	-0.076	0.126	.546	-0.092	0.125	.462	-0.089	0.125	.477
SNS × Others	0.175	0.121	.151	0.165	0.121	.174	0.173	0.120	.152	0.181	0.120	.132	0.157	0.121	.193
Pers × TCE	-0.002	0.031	.953	0.039	0.031	.206	-0.001	0.030	.972	0.020	0.032	.528	0.049	0.029	.087
Pers × SNS	0.012	0.039	.765	0.035	0.037	.356	-0.025	0.036	.497	0.014	0.038	.705	0.080	0.036	.025
Pers × Family	-0.016	0.035	.640	0.025	0.033	.438	-0.044	0.032	.180	0.031	0.036	.382	-0.001	0.032	.979
Pers × Others	-0.006	0.036	.863	0.035	0.039	.364	-0.030	0.037	.426	0.004	0.039	.923	0.000	0.036	.990
Variance intercept	0.189			0.188			0.181			0.166			0.189		
Residual variance	0.254			0.254			0.255			0.254			0.254		

Note. Effects of mode of communication (reference category: talking on the phone/video-chatting), type of interaction partner (reference category: peers), personality traits (each trait in separate models), and all two-way interactions on momentary well-being. TCE = texting/chatting/emailing; SNS = interactions on social networking sites; Pers = personality. All models included random intercepts. Coefficients in bold are significant with $p < .01$.

^aWeekend: 0 = weekday, 1 = weekend day.

Table B8

Study 2: Analysis 3, Step 3

	Extraversion			Agreeableness			Conscientiousness			Neuroticism			Openness		
	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>	Est	SE	<i>p</i>
Intercept	2.931	0.039	<.001	2.933	0.039	<.001	2.950	0.039	<.001	2.942	0.038	<.001	2.930	0.039	<.001
TCE	-0.089	0.037	.017	-0.088	0.037	.018	-0.098	0.037	.009	-0.095	0.037	.010	-0.087	0.037	.019
SNS	-0.081	0.042	.052	-0.080	0.042	.054	-0.091	0.042	.030	-0.086	0.042	.040	-0.070	0.042	.098
Family	-0.042	0.050	.408	-0.042	0.050	.404	-0.052	0.051	.306	-0.050	0.050	.321	-0.044	0.050	.376
Others	-0.254	0.092	.006	-0.273	0.089	.002	-0.287	0.089	.001	-0.297	0.088	.001	-0.275	0.089	.002
Weekend^a	0.089	0.023	<.001	0.086	0.023	<.001	0.084	0.023	<.001	0.089	0.023	<.001	0.084	0.023	<.001
Personality	0.061	0.041	.133	0.010	0.041	.802	0.115	0.038	.002	-0.202	0.041	<.001	-0.029	0.037	.444
TCE × Family	-0.009	0.067	.898	-0.014	0.067	.841	-0.004	0.067	.952	-0.004	0.067	.947	-0.008	0.067	.907
TCE × Others	0.227	0.100	.023	0.242	0.098	.013	0.255	0.097	.009	0.259	0.096	.007	0.241	0.098	.014
SNS × Family	-0.081	0.126	.521	-0.090	0.125	.472	-0.082	0.132	.533	-0.076	0.125	.546	-0.066	0.126	.601
SNS × Others	0.150	0.123	.222	0.146	0.122	.232	0.190	0.122	.120	0.181	0.120	.132	0.160	0.121	.187
Pers × TCE	-0.050	0.040	.209	0.024	0.040	.548	-0.028	0.037	.451	0.051	0.041	.217	0.017	0.036	.632
Pers × SNS	-0.044	0.045	.332	0.006	0.045	.901	-0.058	0.043	.172	0.022	0.045	.621	0.058	0.041	.160
Pers × Family	-0.091	0.053	.088	-0.020	0.053	.710	-0.101	0.048	.037	0.079	0.053	.136	-0.051	0.050	.309
Pers × Others	-0.131	0.080	.102	0.063	0.093	.496	-0.037	0.085	.664	-0.045	0.099	.648	-0.041	0.080	.610
Pers × TCE × Family	0.106	0.071	.135	0.067	0.069	.333	0.106	0.066	.110	-0.122	0.073	.097	0.071	0.066	.282
Pers × TCE × Others	0.134	0.089	.132	-0.060	0.101	.553	-0.013	0.094	.889	0.031	0.108	.775	0.077	0.088	.382
Pers × SNS × Family	0.191	0.142	.177	0.129	0.129	.318	0.096	0.130	.462	0.043	0.132	.748	0.227	0.145	.117
Pers × SNS × Others	0.251	0.133	.059	0.074	0.130	.569	0.089	0.121	.464	0.134	0.128	.296	-0.046	0.114	.686
Variance intercept	0.189			0.187			0.181			0.167			0.188		
Residual variance	0.254			0.255			0.255			0.254			0.254		

Note. Effects of mode of communication (reference category: talking on the phone/video-chatting), type of interaction partner (reference category: peers), personality traits (each trait in separate models), and all two-way and three-way interactions on momentary well-being. TCE = texting/chatting/emailing; SNS = interactions on social networking sites; Pers = personality. All models included random intercepts. Coefficients in bold are significant with $p < .01$.

^aWeekend: 0 = weekday, 1 = weekend day.