

Borgogna, N.C. et al.: **Differences in cross-sectional and daily diary problematic pornography use correlates**

<https://doi.org/10.1556/2006.2025.00008>

Supplementary Materials

Supplemental File 1

Interactions Predicting Aggregated Control Problems Over 14 Days

	b_0	b	95% CI	τ^2	AIC
Null	0.72		.43, 1.02	2.38	4378.40
Intercept	1.05		.80, 1.31	1.16	3262.61 ^a
Baseline BPS (Problematic Pornography Use)		.03	.01, .06		
Baseline PHQ-9 (Depression)		.00	-.02, .01		
Baseline AUDIT (Alcohol Problems)		.00	-.01, .01		
Baseline Past 12-Month Pornography Use Frequency		.01	-.02, .04		
Aggregated Pornography Use		.54	.22, .87	1.03	
Baseline BPS X Aggregated Pornography Use		.14	.05, .23		
Intercept	.99		.73, 1.24	1.25	3267.51 ^a
Baseline BPS (Problematic Pornography Use)		.03	.01, .06		
Baseline PHQ-9 (Depression)		.00	-.02, .01		
Baseline AUDIT (Alcohol Problems)		.00	-.01, .01		
Baseline Past 12-Month Pornography Use Frequency		.01	-.02, .04		
Aggregated Pornography Use		.56	.19, .93	1.09	
Baseline PHQ-9 X Aggregated Pornography Use		.05	.01, .10		
Intercept	.95		.69, 1.21	1.32	3272.71 ^a
Baseline BPS (Problematic Pornography Use)		.03	.01, .06		
Baseline PHQ-9 (Depression)		-.01	-.02, .01		
Baseline AUDIT (Alcohol Problems)		.00	-.01, .01		
Baseline Past 12-Month Pornography Use Frequency		.01	-.02, .04		
Aggregated Pornography Use		.89	.57, 1.20	1.17	
Baseline AUDIT X Aggregated Pornography Use		.00	-.04, .04		
Intercept	.91		.60, 1.22	1.32	3269.49 ^a
Baseline BPS (Problematic Pornography Use)		.03	.00, .06		
Baseline PHQ-9 (Depression)		-.01	-.02, .01		
Baseline AUDIT (Alcohol Problems)		.00	-.01, .01		
Baseline Past 12-Month Pornography Use Frequency		.01	-.02, .04		
Aggregated Pornography Use		1.04	.18, 1.89	1.17	
Baseline Past 12-Month Pornography Use Frequency X Aggregated Pornography Use		-.03	-.21, .14		

Differences In Cross-Sectional and Daily Dairy Problematic Pornography Use Correlates

Nicholas C. Borgogna

Note: ^a Significant model improvement relative to null. Bolded font signifies significant interaction. All baseline indicators are modeled as fixed effects, all aggregated indicators are modeled as random effects, and all interactions are modeled as fixed effects. BPS=Brief Pornography Screen, PHQ-9= Patient Health Questionnaire-9, AUDIT=Alcohol Use Disorder Identification Test, AIC=Akaike Information Criterion.

Supplemental File 2

Multilevel Models Predicting Aggregated Pornography Use Over 14 Days

Daily Pornography Use Amount	b_0	b	95% CI	τ^2	AIC
Null	.99		.71-1.27	2.15	3905.03
Intercept	1.18		.92, 1.44	0.95	3271.90 ^a
Baseline BPS (Problematic Pornography Use)		-.07	-.15, .01		
Baseline PHQ-9 (Depression)		-.03	-.07, .01		
Baseline AUDIT (Alcohol Problems)		.02	-.01, .05		
Baseline Past 12-Month Pornography Use Frequency		.34	.24, .43		
Aggregated Control Problems		.90	.56, 1.23	0.66	
Baseline BPS X Aggregated Control Problems		-.03	-.11, .05		
Intercept	1.23		1.00 - 1.45	0.96	3272.28 ^a
Baseline BPS (Problematic Pornography Use)		-.08	-.16, .00		
Baseline PHQ-9 (Depression)		-.02	-.06, .02		
Baseline AUDIT (Alcohol Problems)		.02	-.01, .05		
Baseline Past12-Month Pornography Use Frequency		.34	.24, .43		
Aggregated Control Problems		.99	.62, 1.36	0.65	
Baseline PHQ-9 X Aggregated Control Problems		-.03	-.07, .02		
Intercept	1.24		1.01, 1.46	0.96	3274.20 ^a
Baseline BPS (Problematic Pornography Use)		-.08	-.16, .00		
Baseline PHQ-9 (Depression)		-.03	-.07, .01		
Baseline AUDIT (Alcohol Problems)		-.02	-.01, .05		
Baseline Past 12-Month Pornography Use Frequency		.34	.24, .43		
Aggregated Control Problems		.84	.56, 1.12	0.67	
Baseline AUDIT X Aggregated Control Problems		-.01	-.04, .03		
Intercept	1.20		.97, 1.44	0.98	3270.77 ^a
Baseline BPS (Problematic Pornography Use)		-.08	-.16, .00		
Baseline PHQ-9 (Depression)		-.03	-.07, .01		
Baseline AUDIT (Alcohol Problems)		.02	-.01, .05		
Baseline Past 12-Month Pornography Use Frequency		.34	.24, .44		
Aggregated Control Problems		1.05	.27, 1.84	0.66	
Baseline Past 12-Month Pornography Use Frequency X Aggregated Control Problems		-.05	-.21, .11		

Note: ^a Significant model improvement relative to null. All baseline indicators are modeled as fixed effects, all aggregated indicators are modeled as random effects, and all interactions are modeled as fixed effects. BPS=Brief Pornography Screen, PHQ-9= Patient Health Questionnaire-9, AUDIT=Alcohol Use Disorder Identification Test, AIC=Akaike Information Criterion.

Supplemental File 3

Interactions Predicting Past 24-Hour Aggregated Control Problems Over 14 Days (Sensitivity Analyses)

	b_0	b	95% CI	τ^2	AIC
Null	2.11		1.54, 2.69	6.00	1613.93
Intercept	1.89		1.28, 2.49	4.09	1593.02 ^a
Baseline BPS		.37	.10, .65		
Baseline PHQ-9		.05	-.05, .15		
Baseline AUDIT		0.00	-.08, .07		
Baseline Past 12-Month Pornography Use Frequency		-.26	-.61, .08		
Aggregated Pornography Use		.14	-.09, .06	.08	
Baseline BPS X Aggregated Pornography Use		.04	-.02, .10		
Intercept	1.90		1.30, 2.50	3.88	1591.95 ^a
Baseline BPS		.54	.34, .74		
Baseline PHQ-9		-.04	-.17, .08		
Baseline AUDIT		0.00	-.07, .08		
Baseline Past 12-Month Pornography Use Frequency		-.29	-.64, .06		
Aggregated Pornography Use		.03	-.22, .28	.04	
Baseline PHQ-9 X Aggregated Pornography Use		.03	.00, .06		
Intercept	1.84		1.24, 2.24	3.93	1595.24 ^a
Baseline BPS		.49	.29, .70		
Baseline PHQ-9		.04	-.06, .14		
Baseline AUDIT		.03	-.06, .12		
Baseline Past 12-Month Pornography Use Frequency		-.27	-.62, .08		
Aggregated Pornography Use		.34	.13, .55	.09	
Baseline AUDIT X Aggregated Pornography Use		-.01	-.03, .01		
Intercept	2.18		1.43, 2.93	3.75	1591.47 ^a
Baseline BPS		.51	.31, .71		
Baseline PHQ-9		.02	-.08, .12		
Baseline AUDIT		.01	-.07, .08		
Baseline Past 12-Month Pornography Use Frequency		-.49	-.95, -.03		
Aggregated Pornography Use		-.25	-.92, .43	.07	
Baseline Past 12-Month Pornography Use Frequency X Aggregated Pornography Use		.09	-.03, .21		

Note: ^a Significant model improvement relative to null. Bolded font signifies significant interaction. All baseline indicators are modeled as fixed effects, all aggregated indicators are modeled as random effects, and all interactions are modeled as fixed effects. BPS=Brief Pornography Screen, PHQ-9= Patient Health Questionnaire-9, AUDIT=Alcohol Use Disorder Identification Test, AICc=Akaike Information Criterion (Corrected).

Supplemental File 4

Multilevel Models Predicting Aggregated Pornography Use Over 14 Days (Sensitivity Analyses)

Daily Pornography Use Amount	b_0	b	95% CI	τ^2	AIC
Null	2.63		2.29, 2.98	2.07	1351.58
Intercept	2.26		1.88, 2.64	1.35	1342.51 ^a
Baseline BPS		0.00	-.15, .15		
Baseline PHQ-9		-.04	-.10, .03		
Baseline AUDIT		.04	-.01, .09		
Baseline Past 12-Month Pornography Use Frequency		.24	-.01, .46		
Aggregated Control Problems		.14	-.05, .32	.07	
Baseline BPS X Aggregated Control Problems		.01	-.03, .05		
Intercept	2.24		1.86, 2.62	1.39	1343.23 ^a
Baseline BPS		.02	-.12, .15		
Baseline PHQ-9		-.05	-.12, .02		
Baseline AUDIT		.04	-.01, .09		
Baseline Past 12-Month Pornography Use Frequency		.24	.01, .46		
Aggregated Control Problems		.10	-.10, .29	.06	
Baseline PHQ-9 X Aggregated Control Problems		.01	-.01, .03		
Intercept	2.25		1.87, 2.62	1.36	
Baseline BPS		.01	-.13, .15		1344.62 ^a
Baseline PHQ-9		-.04	-.10, .03		
Baseline AUDIT		.04	-.01, .09		
Baseline Past 12-Month Pornography Use Frequency		.24	.01, .46		
Aggregated Control Problems		.18	.04, .32	.07	
Baseline AUDIT X Aggregated Control Problems		0.00	-.02, .01		
Intercept	2.35		1.96, 2.75	1.42	
Baseline BPS		0.00	-.13, .14		
Baseline PHQ-9		-.04	-.10, .03		
Baseline AUDIT		.04	-.01, .09		
Baseline Past 12-Month Pornography Use Frequency		.17	-.07, .41		
Aggregated Control Problems		-.21	-.59, .16	.05	
Baseline Past 12-Month Pornography Use Frequency					
X Aggregated Control Problems		.08	.01, .15		

Note: ^a Significant model improvement relative to null. All baseline indicators are modeled as fixed effects, all aggregated indicators are modeled as random effects, and all interactions are modeled as fixed effects. BPS= Brief Pornography Screen, PHQ-9= Patient Health Questionnaire-9, AUDIT= Alcohol Use Disorder Identification Test, AICc= Akaike Information Criterion (Corrected).