

Christensen, E. et al.: A comprehensive evaluation of the neurocognitive predictors of problematic alcohol use, eating, pornography, and internet use: A 6-month longitudinal study

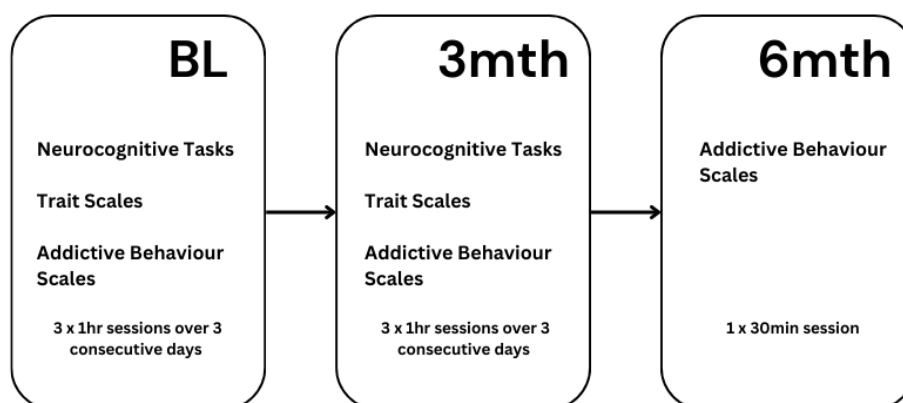
<https://doi.org/10.1556/2006.2024.00041>

SUPPLEMENTARY MATERIAL

Study procedure: Additional details

At baseline and 3-month follow-up, participants completed three one-hour online assessment sessions over three consecutive days using the Qualtrics survey platform (<https://www.qualtrics.com>). Participants were required to complete each assessment session using a personal laptop or desktop device. Participants were required to complete the session in full, at a time of their choosing within the 24-hour completion window. In the event that participants were not able to complete a session during this 24-hour period, they were granted additional time. Participants were given a maximum period of 5 days to complete all 3 sessions. Participants were required to complete the three sessions in the same order. Once the first session was completed, 24 hours later participants were given access to the next session. A counterbalancing procedure was used to avoid the impact of order effects on task performance. To reduce likelihood of participant fatigue and boredom, the survey measures were interspersed between each neurocognitive task. Attention check questions were also dispersed throughout each assessment session (e.g. “Please select the answer that reads *Lavendar Note*”, “Please leave the following question blank”). Only data from participants who correctly responded to all attention checks was retained in analyses. At 6-month follow-up participants completed a single 30-minute survey of self-report questionnaires. Participants were reimbursed after completion of the third assessment session at baseline and 3-month follow-up and after their single 6-month follow-up assessment session.

Figure S1: Schematic of measures analyzed at each time point in the present study



Entire assessment protocol of wider study

Baseline and 3-month assessments:

Day 1:

Demographics

When did you last use questions
(substance use)

Momentary Impulsivity Survey
(MIS)¹

Value-Modulated Attentional Capture
Task (VMAC-R)

Physical/Mental Health Questions

COVID questions

Impulsive-Compulsive Behaviors
Checklist (ICBC)²

Value-Driven Attention Questionnaire
(VDAQ)³

Sensitivity to Reward Subscale of the
Sensitivity to Punishment Sensitivity
to Reward Questionnaire (SPSRQ)⁴

One item “How willing are you to take
risks, in general?”

Gamble Selection Question⁵

Fagerstrom Test for Nicotine
Dependence (FTND)⁶

Problematic Pornography
Consumption Scale Short Version
(PPCS-6)

Minnesota Impulsive Disorders
Interview (MIDI) Buying Disorder
Screen⁷

Online Shopping Addiction Scale
(OSAS)⁸

Young’s Internet Addiction Test,
abbreviated (IAT-10)

Problem Gambling Severity Index
(PGSI)⁹

Alcohol Use Disorder Identification
Test (AUDIT)

Severity of Dependence Scale (SDS)¹⁰
– Cannabis

SDS¹⁰ – Cocaine

SDS¹⁰ – Amphetamine

SDS¹⁰ – Inhalant

SDS¹⁰ – Sedatives

SDS¹⁰ – Hallucinogens

SDS¹⁰ – Opioids

Binge Eating Disorder Screener
(BEDS-7)¹¹

Modified Yale Food Addiction Scale
(mYFAS 2.0)

Balloon Analogue Risk Task (BART)

Habit Reward and Fear Scale
(HRFS)¹²

Day 2:

Sequential Decision-Making Task
(SDT)

When did you last questions
(substance use)

Momentary Impulsivity Survey
(MIS)¹

Category Switch Task (CST)

Cambridge-Chicago Compulsivity
Trait Scale (CHI-T)

Perceived Stress Scale (PSS)¹³

Connor-Davidson Resilience Scale 2
(CD-RISC)¹⁴

One item from Perceived Sleep
Quality Index (PSQI)¹⁵: “how would
you rate your overall sleep quality?”

Behavioral Inhibition and Behavioral
Activation Scale (BIS/BAS)¹⁶

Intolerance of Uncertainty Scale
(IUS)¹⁷

Obsessive-Compulsive Inventory
Revised (OCI-R)¹⁸

Childhood Traumatic Events Scale
(CTES)¹⁹

Day 3:

Stop Signal Task (SST)

When did you last questions
(substance use)

Momentary Impulsivity Survey
(MIS)¹

Delay Discounting Task (DDT)

Error Awareness Task (EAT)

N-back Task

New General Self-Efficacy
Questionnaire²⁰

Monetary Choice Questionnaire
(MCQ)

Quality of Life, Enjoyment and
Satisfaction Questionnaire (Q-LES-Q-
SF)²¹

Short UPPS-P Impulsive Behavior
Scale (SUPPS-P)

Depression, Anxiety, Stress Scale
(DASS-21)

6-month assessment:

Demographics

When did you last use questions
(substance use)

Physical/Mental Health Questions

COVID questions

Fagerstrom Test for Nicotine
Dependence (FTND)⁶

Problematic Pornography
Consumption Scale Short Version
(PPCS-6)

Minnesota Impulsive Disorders
Interview (MIDI) Buying Disorder
Screen⁷

Online Shopping Addiction Scale
(OSAS)⁸

Young's Internet Addiction Test,
abbreviated (IAT-10)

Problem Gambling Severity Index
(PGSI)⁹

Alcohol Use Disorder Identification
Test (AUDIT)

Severity of Dependence Scale (SDS)¹⁰
– Cannabis

SDS¹⁰ – Cocaine

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SDS¹⁰ – Sedatives

SDS¹⁰ – Hallucinogens

SDS¹⁰ – Opioids

Binge Eating Disorder Screener
(BEDS-7)¹¹

Modified Yale Food Addiction Scale
(mYFAS 2.0)

Habit Reward and Fear Scale
(HRFS)¹²

Perceived Stress Scale (PSS)¹³

Connor-Davidson Resilience Scale 2
(CD-RISC)¹⁴

One item from Perceived Sleep
Quality Index (PSQI)¹⁵: “how would
you rate your overall sleep quality?”

Depression, Anxiety, Stress Scale
(DASS-21)

New General Self-Efficacy
Questionnaire²⁰

Quality of Life, Enjoyment and
Satisfaction Questionnaire (Q-LES-Q-
SF)²¹

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Characteristics of individuals who had their neurocognitive data filtered out

In the baseline sample, individuals who had their neurocognitive data filtered out had significantly higher PUI (mean IAT score=18.56 vs 17.59 years; $r_{pb}=0.17$, $p=.025$), however, the effect size was small. Further, more males ($n=44$) than females ($n=26$) had their neurocognitive data filtered out. There were no other significant differences between individuals who had their neurocognitive data filtered out and those who did not at baseline.

In the 3-month follow-up sample, individuals who had their neurocognitive data filtered out had significantly higher SUPPS-P urgency scores (mean score=9.66 vs 8.81; Hedges' $g=0.35$, $p=.017$), and were significantly older (mean age= 26.81 vs 24.77; $r_{pb}=0.26$, $p=.002$). Further, more males ($n=46$) than females ($n=24$) had their neurocognitive data filtered out. There were no other significant differences between individuals who had their neurocognitive data filtered out and those who did not at 3-month follow-up.

Table S1. *Spearman correlations corrected for multiple comparisons at baseline*

Variable	<i>M</i>	<i>SD</i>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1.mYFAS	0.69	1.69	-																		
2.PPCS	10.06	5.78	-0.02	-																	
3.IAT	17.43	6.79	0.28***	0.32***	-																
4.AUDIT	2.97	3.73	0.08	0.08	-0.03	-															
5.SST	332.32	68.23	0.04	-0.06	-0.02	-0.02	-														
6.VMAC	8.97	40.62	0.00	0.01	-0.07	-0.08	0.02	-													
7.BART	56.61	14.99	-0.09	0.14	0.06	-0.02	-0.17	0.00	-												
8.CST	268.05	181.10	0.01	0.08	0.09	-0.12	0.07	0.01	-0.09	-											
9.DDT	-4.52	1.69	0.05	0.09	-0.02	0.04	-0.02	0.04	0.02	0.06	-										
10.EAT	69.28	34.07	-0.02	-0.03	-0.06	0.07	-0.16	-0.11	-0.02	-0.11	-0.19	-									
11.SDT	0.51	0.36	-0.06	0.13	-0.06	-0.04	-0.07	0.07	0.00	-0.04	-0.14	0.14	-								
12.N-Back	2.24	1.15	-0.12	0.00	-0.07	0.07	0.02	-0.02	0.01	0.11	-0.10	0.09	0.10	-							
13.Lack of persev/premed	7.61	1.77	0.00	-0.03	0.08	0.14	-0.05	-0.04	0.01	-0.08	0.16	-0.02	-0.18	-0.06	-						
14.Urgency	8.71	2.33	0.18	0.21*	0.28***	0.11	0.09	-0.02	0.01	0.08	0.13	-0.10	-0.09	-0.06	0.31***	-					
15.SS	9.53	2.89	-0.15	0.12	-0.09	0.28***	0.08	-0.03	0.13	-0.05	0.19	-0.11	-0.02	0.11	0.09	0.26**	-				
16.CHI-T	27.87	5.83	0.26***	0.08	0.33***	0.02	0.02	0.06	-0.01	0.06	-0.02	0.00	-0.02	-0.01	-0.29	0.29***	-0.05	-			
17.Psychological distress	13.64	11.49	0.36***	0.10	0.49***	0.21*	-0.02	-0.14	-0.10	0.04	-0.05	0.01	-0.04	-0.07	0.08	0.30***	-0.09	0.40***	-		
18.Age	24.82	4.66	-0.02	-0.07	-0.20	-0.11	0.23**	0.15	0.03	0.07	-0.08	-0.07	-0.08	0.11	-0.15	-0.17	-0.06	-0.05	-0.17	-	
19.Sex	-	-	0.27***	-0.50***	-0.08	0.13	0.03	0.01	-0.22*	-0.07	-0.16	0.05	-0.06	-0.14	0.04	-0.09	-0.25**	0.07	0.15	-0.07	-

*Note: p values were adjusted for multiple comparisons using Holm method; SST, VMAC, and CST means and standard deviations are reported in milliseconds. mYFAS: modified Yale Food Addiction Scale; PPCS: Problematic Pornography Consumption Scale; IAT: Young's Internet Addiction Test; AUDIT: Alcohol Use Disorder Identification Test; SST: Stop Signal Task; VMAC: Value-Modulated Attentional Capture Task; BART: Balloon Analogue Risk Task; CST: Category Switch Task; DDT: Delay Discounting Task; EAT: Error Awareness Task; SDT: Sequential Decision-Making Task; N-Back: N-Back Task; Lack of persev/premed: SUPPS-P lack of perseverance and premeditation score; Urgency: SUPPS-P urgency score; SS: SUPPS-P sensation seeking score; CHIT: CHI-T trait compulsivity score; Psychological distress: DASS-21 total score; * $p < .05$, ** $p < .01$, *** $p < .001$*

Table S2. *Spearman correlations corrected for multiple comparisons between baseline predictors and addictive behaviors at 6 months*

Variable	<i>M</i>	<i>SD</i>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1.mYFAS	0.70	1.64	-																		
2.PPCS	10.07	5.26	0.05	-																	
3.IAT	17.26	6.82	0.42***	0.19	-																
4.AUDIT	2.48	3.57	0.00	0.00	0.00	-															
5.SST	337.55	73.36	0.09	-0.04	0.09	-0.07	-														
6.VMAC	9.95	37.82	-0.04	-0.06	-0.09	-0.12	-0.04	-													
7.BART	56.83	14.82	-0.11	0.08	-0.03	-0.01	-0.15	0.01	-												
8.CST	272.14	184.20	0.12	0.07	0.04	-0.10	0.10	0.03	-0.04	-											
9.DDT	-4.63	1.66	0.15	-0.04	-0.05	-0.03	0.01	0.15	-0.02	0.02	-										
10.EAT	69.73	33.82	-0.17	0.08	-0.16	0.16	-0.22	-0.13	-0.03	-0.17	-0.23	-									
11.SDT	0.52	0.37	-0.06	0.11	-0.16	-0.08	-0.14	0.10	-0.01	-0.05	-0.09	0.09	-								
12.N-Back	2.27	1.16	-0.14	0.11	-0.14	0.06	0.02	0.00	0.02	0.10	-0.09	0.01	0.14	-							
13.Lack of persev/premed	7.52	1.76	0.10	0.05	0.09	0.03	-0.05	-0.07	0.03	-0.12	0.18	0.00	-0.13	-0.07	-						
14.Urgency	8.73	2.34	0.27*	0.06	0.33***	0.13	0.09	-0.08	0.05	0.07	0.19	-0.17	-0.14	-0.15	0.35***	-					
15.SS	9.38	2.91	-0.05	0.10	-0.04	0.21	0.10	-0.07	0.18	-0.04	0.24	-0.11	0.02	0.08	0.14	0.27*	-				
16.CHI-T	27.69	5.62	0.23	-0.01	0.29**	0.02	0.08	0.06	-0.02	0.07	-0.04	0.04	-0.10	-0.11	-0.28*	0.32***	-0.06	-			
17.Psychological distress	13.31	11.31	0.36***	0.03	0.37***	0.20	0.02	-0.10	-0.10	0.03	-0.13	0.02	-0.14	-0.16	0.01	0.29**	-0.15	0.42***	-		
18.Age	25.48	4.70	-0.02	-0.08	-0.10	0.05	0.28*	0.16	0.06	0.15	-0.03	-0.14	-0.08	0.16	-0.15	-0.18	-0.04	-0.07	-0.13	-	
19.Sex	-	-	0.08	-0.46***	-0.05	0.08	0.01	-0.07	-0.19	-0.10	-0.16	0.10	-0.10	-0.13	0.03	-0.01	-0.23	0.11	0.30**	-0.10	-

*Note: p values were adjusted for multiple comparisons using Holm method; SST, VMAC, and CST means and standard deviations are reported in milliseconds. mYFAS: modified Yale Food Addiction Scale; PPCS: Problematic Pornography Consumption Scale; IAT: Young's Internet Addiction Test; AUDIT: Alcohol Use Disorder Identification Test; SST: Stop Signal Task; VMAC: Value-Modulated Attentional Capture Task; BART: Balloon Analogue Risk Task; CST: Category Switch Task; DDT: Delay Discounting Task; EAT: Error Awareness Task; SDT: Sequential Decision-Making Task; N-Back: N-Back Task; Lack of persev/premed: SUPPS-P lack of perseverance and premeditation score; Urgency: SUPPS-P urgency score; SS: SUPPS-P sensation seeking score; CHIT: CHI-T trait compulsivity score; Psychological distress: DASS-21 total score; * $p < .05$, ** $p < .01$, *** $p < .001$*

Table S3. *Spearman correlations corrected for multiple comparisons between baseline predictors and addictive behaviors at 3 months*

Variable	<i>M</i>	<i>SD</i>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1.mYFAS	0.68	1.62	-																		
2.PPCS	9.77	5.41	0.07	-																	
3.IAT	17.22	6.60	0.36***	0.22	-																
4.AUDIT	2.88	3.71	0.02	0.03	-0.03	-															
5.SST	337.55	73.36	0.05	0.04	-0.02	-0.05	-														
6.VMAC	9.95	37.82	0.01	0.10	-0.07	-0.01	0.00	-													
7.BART	56.83	14.82	-0.04	0.13	-0.04	-0.08	-0.13	0.02	-												
8.CST	272.14	184.20	0.04	0.06	-0.02	-0.04	0.07	0.04	-0.06	-											
9.DDT	-4.63	1.66	0.01	0.02	-0.04	0.10	-0.04	0.05	0.05	0.03	-										
10.EAT	69.73	33.82	-0.12	-0.01	-0.11	0.02	-0.14	-0.14	-0.07	-0.14	-0.21	-									
11.SDT	0.52	0.37	-0.13	0.17	-0.15	-0.05	-0.09	0.11	0.03	-0.08	-0.14	0.09	-								
12.N-Back	2.27	1.16	-0.02	0.02	-0.12	0.11	0.05	0.01	-0.02	0.15	-0.07	0.05	0.10	-							
13.Lack of persev/premed	7.52	1.76	0.12	-0.06	0.13	0.17	-0.07	0.02	0.03	-0.06	0.16	-0.09	-0.19	-0.03	-						
14.Urgency	8.73	2.34	0.28**	0.19	0.27*	0.15	0.10	-0.07	0.01	0.13	0.17	-0.16	-0.12	-0.05	0.31***	-					
15.SS	9.38	2.91	-0.03	0.05	-0.10	0.32**	0.12	-0.02	0.12	0.00	0.25	-0.13	0.00	0.12	0.12	0.25	-				
16.CHI-T	27.69	5.62	0.27*	0.02	0.29**	-0.02	0.02	-0.01	0.01	0.07	-0.10	0.09	-0.02	-0.02	-0.25*	0.31**	-0.08	-			
17.Psychological distress	13.31	11.31	0.37***	0.07	0.36***	0.10	0.00	-0.07	-0.15	0.00	-0.11	0.05	-0.04	-0.06	-0.04	0.23	-0.15	0.47***	-		
18.Age	25.48	4.70	-0.01	-0.02	-0.15	-0.04	0.26*	0.08	0.02	0.07	-0.03	-0.08	-0.15	0.12	-0.09	-0.19	-0.07	-0.11	-0.11	-	
19.Sex	-	-	0.13	-0.51***	-0.07	0.12	0.00	-0.03	-0.24	-0.07	-0.20	0.13	-0.07	-0.06	0.04	-0.08	-0.23	0.12	0.25*	-0.08	-

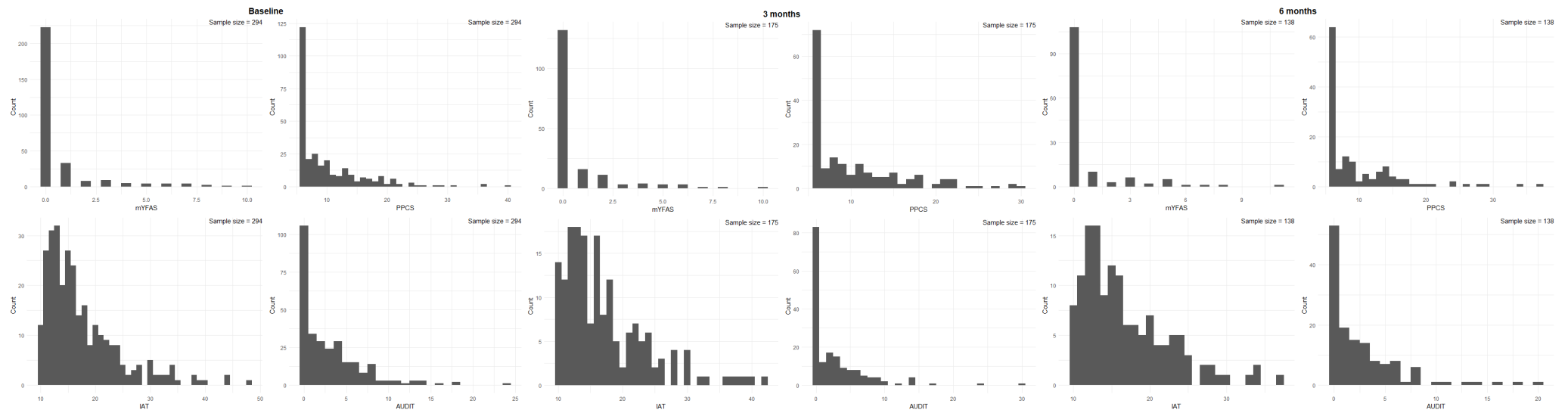
*Note: p values were adjusted for multiple comparisons using Holm method; SST, VMAC, and CST means and standard deviations are reported in milliseconds. mYFAS: modified Yale Food Addiction Scale; PPCS: Problematic Pornography Consumption Scale; IAT: Young's Internet Addiction Test; AUDIT: Alcohol Use Disorder Identification Test; SST: Stop Signal Task; VMAC: Value-Modulated Attentional Capture Task; BART: Balloon Analogue Risk Task; CST: Category Switch Task; DDT: Delay Discounting Task; EAT: Error Awareness Task; SDT: Sequential Decision-Making Task; N-Back: N-Back Task; Lack of persev/premed: SUPPS-P lack of perseverance and premeditation score; Urgency: SUPPS-P urgency score; SS: SUPPS-P sensation seeking score; CHIT: CHI-T trait compulsivity score; Psychological distress: DASS-21 total score; * $p < .05$, ** $p < .01$, *** $p < .001$*

Table S4. *Spearman correlations corrected for multiple comparisons between 3-month predictors and addictive behaviors at 6 months*

Variable	<i>M</i>	<i>SD</i>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1.mYFAS	0.70	1.64	-																		
2.PPCS	10.07	5.26	-0.02	-																	
3.IAT	17.26	6.82	0.35**	0.21	-																
4.AUDIT	2.48	3.57	-0.04	0.01	-0.04	-															
5.SST	324.20	64.49	-0.12	-0.13	-0.17	-0.09	-														
6.VMAC	2.96	40.20	0.01	-0.03	-0.07	-0.11	0.03	-													
7.BART	55.72	16.91	-0.02	0.05	-0.02	0.00	-0.06	-0.04	-												
8.CST	212.78	145.13	0.09	0.03	-0.07	-0.06	0.14	-0.07	0.05	-											
9.DDT	-4.88	1.75	0.02	-0.06	-0.17	0.05	-0.09	-0.02	-0.08	-0.05	-										
10.EAT	76.75	31.20	0.04	0.03	-0.07	0.15	-0.18	0.07	0.04	-0.11	-0.17	-									
11.SDT	0.55	0.38	-0.08	0.06	-0.10	0.09	-0.01	0.07	0.15	-0.06	-0.18	0.22	-								
12.N-Back	2.48	1.26	-0.06	0.01	-0.06	0.07	0.00	0.06	0.08	-0.11	0.16	0.16	0.06	-							
13.Lack of persev/premed	7.48	1.73	0.09	0.16	0.04	-0.09	0.02	0.02	-0.03	-0.12	0.06	0.02	-0.02	0.06	-						
14.Urgency	8.65	2.44	0.18	0.04	0.34**	0.06	0.02	-0.14	0.01	0.00	-0.06	-0.15	-0.03	-0.01	0.17	-					
15.SS	9.24	2.98	-0.09	0.07	0.01	0.09	0.07	-0.16	0.09	0.10	0.05	-0.15	-0.15	-0.07	0.02	0.33*	-				
16.CHI-T	28.09	5.42	0.20	-0.02	0.32*	0.04	-0.02	-0.20	0.02	0.09	-0.13	0.00	-0.03	-0.08	-0.36**	0.41***	-0.02	-			
17.Psychological distress	13.97	11.79	0.29	0.01	0.27	0.09	-0.10	-0.06	-0.07	-0.07	-0.03	0.12	-0.02	-0.01	0.08	0.28	-0.15	0.33*	-		
18.Age	25.01	4.42	0.01	-0.07	-0.06	0.12	0.17	0.07	0.00	0.09	-0.08	-0.11	0.02	0.10	-0.19	-0.30	-0.12	-0.08	-0.15	-	
19.Sex	-	-	0.10	-0.47***	-0.04	0.07	0.14	-0.04	-0.09	0.04	-0.17	0.16	0.10	-0.07	-0.10	0.07	-0.19	0.19	0.33*	-0.10	-

*Note: p values were adjusted for multiple comparisons using Holm method; SST, VMAC, and CST means and standard deviations are reported in milliseconds. mYFAS: modified Yale Food Addiction Scale; PPCS: Problematic Pornography Consumption Scale; IAT: Young's Internet Addiction Test; AUDIT: Alcohol Use Disorder Identification Test; SST: Stop Signal Task; VMAC: Value-Modulated Attentional Capture Task; BART: Balloon Analogue Risk Task; CST: Category Switch Task; DDT: Delay Discounting Task; EAT: Error Awareness Task; SDT: Sequential Decision-Making Task; N-Back: N-Back Task; Lack of persev/premed: SUPPS-P lack of perseverance and premeditation score; Urgency: SUPPS-P urgency score; SS: SUPPS-P sensation seeking score; CHIT: CHI-T trait compulsivity score; Psychological distress: DASS-21 total score; * $p < .05$, ** $p < .01$, *** $p < .001$*

Figure S2: Distributions of problematic behavior engagement at each study time point



Note: AUDIT: Alcohol Use Identification Test, no/low problem use (0-7), harmful/ hazardous use (8-14), likely alcohol dependence (≥ 15); myFAS: modified Yale Food Addiction Scale 2.0, mild (2-3), moderate (4-5) severe (≥ 6) symptoms. PPCS: Problematic Pornography Consumption Scale, problematic use (≥ 20); IAT: an abbreviated version of Young's Internet Addiction Test, problematic use (≥ 17).

Longitudinal Multiple Regression Models with Heteroscedasticity and Autocorrelation Consistent (HAC) Correction

Table S5 Longitudinal multiple regression models with HAC correction of problematic alcohol use

Variable	Baseline predicting 6-months (N=198)					Baseline predicting 3-months (N=206)					3-months predicting 6-months (N=138)				
	β	SE	95% CI		<i>p</i>	β	SE	95% CI		<i>p</i>	β	SE	95% CI		<i>p</i>
			LL	UL				LL	UL				LL	UL	
Demographics															
Age	0.15	0.04	0.03	0.19	.006**	0.04	0.03	-0.03	0.10	.283	0.06	0.06	-0.08	0.18	.444
Sex (F)	-0.05	0.33	-1.01	0.30	.285	0.02	0.26	-0.39	0.62	.647	0.01	0.45	-0.77	0.98	.819
Neurocognition															
SST: SSRT	-0.10	3.03	-10.81	1.06	.109	-0.03	2.16	-5.56	2.89	.537	-0.07	2.71	-9.20	1.42	.154
VMAC: VMAC score	-0.06	4.93	-14.69	4.64	.310	-0.01	4.37	-9.68	7.46	.800	0.02	4.66	-7.51	10.76	.728
BART: <i>M</i> pre-committed pumps	-0.08	0.01	-0.04	0.00	.119	0.01	0.01	-0.02	0.02	.821	-0.04	0.01	-0.03	0.02	.472
CST: Switch cost latency	-0.04	0.00	-0.00	0.00	.438	0.02	0.00	-0.00	0.00	.649	0.05	0.00	-0.00	0.01	.563
EAT: Error awareness	0.02	0.01	-0.01	0.02	.758	0.01	0.00	-0.01	0.01	.715	0.01	0.01	-0.01	0.02	.899
SDT: <i>w</i>	-0.06	0.48	-1.50	0.39	.252	-0.02	0.42	-1.02	0.62	.633	-0.03	0.66	-1.63	0.97	.622
N-Back: 3-back <i>d'</i>	0.01	0.14	-0.26	0.30	.878	0.02	0.09	-0.12	0.24	.534	0.02	0.10	-0.13	0.28	.476
DDT: Log <i>k</i>	-0.03	0.12	-0.29	0.18	.654	0.01	0.07	-0.10	0.16	.645	-0.02	0.11	-0.26	0.18	.702
Covariates															
AUDIT	0.68	0.09	0.47	0.81	<.001***	0.84	0.06	0.73	0.95	<.001***	0.78	0.10	0.63	1.02	<.001***
DASS-TS	0.07	0.02	-0.03	0.81	.361	0.04	0.01	-0.02	0.04	.391	0.07	0.02	-0.01	0.06	.166
SUPPS-P: Lack of perseverance and premeditation	-0.13	0.12	-0.46	0.07	.045*	0.00	0.12	-0.23	0.23	.986	-0.04	0.10	-0.29	0.11	.377
SUPPS-P: Urgency	0.17	0.11	0.03	-0.01	.028*	0.09	0.08	-0.02	0.30	.090	-0.06	0.19	-0.46	0.27	.608
SUPPS-P: Sensation seeking	-0.00	0.06	-0.13	0.47	.976	0.02	0.05	-0.08	0.13	.655	0.04	0.07	-0.10	0.19	.529
CHI-T: Trait compulsivity	-0.08	0.04	-0.13	0.12	.318	-0.06	0.04	-0.11	0.03	.296	0.07	0.05	-0.06	0.15	.382

Note: β : Standardized coefficient; SE: Standard error; * $p < .05$, ** $p < .01$, *** $p < .001$

Table S6 Longitudinal multiple regression models with HAC correction of AE

Variable	Baseline predicting 6-months (N=198)					Baseline predicting 3-months (N=206)					3-months predicting 6-months (N=138)				
	β	SE	95% CI		<i>p</i>	β	SE	95% CI		<i>p</i>	β	SE	95% CI		<i>p</i>
			LL	UL				LL	UL				LL	UL	
Demographics															
Age	0.06	0.02	-0.03	0.07	.354	0.08	0.02	-0.02	0.07	.218	-0.01	0.03	-0.06	0.05	.888
Sex (F)	-0.13	0.21	-0.90	-0.07	.023*	-0.01	0.16	-0.35	0.27	.816	-0.06	0.22	0.64	0.23	.354
Neurocognition															
SST: SSRT	0.03	1.49	-2.22	3.64	.635	-0.05	1.02	-3.12	0.89	.277	-0.01	1.46	-3.22	2.51	.809
VMAC: VMAC score	0.01	2.92	-5.34	6.10	.897	-0.02	2.37	-5.36	3.92	.762	0.14	3.24	-0.17	12.53	.059
BART: <i>M</i> pre-committed pumps	-0.06	0.01	-0.02	0.00	.236	-0.00	0.01	-0.01	0.01	.949	-0.11	0.01	-0.03	0.00	.106
CST: Switch cost latency	0.10	0.00	-0.00	0.00	.174	-0.05	0.00	-0.00	0.00	.473	0.01	0.00	-0.00	0.00	.911
EAT: Error awareness	-0.06	0.00	-0.01	0.00	.305	-0.16	0.00	-0.01	-0.00	.008**	-0.01	0.00	-0.01	0.01	.925
SDT: <i>w</i>	0.04	0.28	-0.35	0.74	.487	-0.03	0.21	-0.54	0.28	.538	-0.07	0.24	-0.81	0.12	.150
N-Back: 3-back <i>d'</i>	-0.01	0.08	-0.17	0.14	.858	0.04	0.06	-0.07	0.18	.401	-0.07	0.09	-0.28	0.09	.319
DDT: Log <i>k</i>	0.10	0.07	-0.03	0.23	.121	-0.01	0.05	-0.11	0.08	.791	0.09	0.07	-0.04	0.24	.180
Covariates															
mYFAS	0.41	0.12	0.21	0.69	<.001***	0.60	0.11	0.40	0.83	<.001***	0.67	0.11	0.52	0.94	<.001***
DASS-TS	0.17	0.01	-0.00	0.06	.062	0.08	0.01	-0.01	0.04	.311	0.12	0.01	-0.00	0.04	.121
SUPPS-P: Lack of perseverance and premeditation	0.09	0.08	-0.06	0.24	.263	0.05	0.06	-0.07	0.17	.421	0.07	0.09	-0.10	0.24	.429
SUPPS-P: Urgency	0.13	0.04	0.02	0.19	.019*	0.09	0.04	-0.02	0.15	.160	-0.05	0.05	-0.14	0.07	.512
SUPPS-P: Sensation seeking	-0.01	0.03	-0.07	0.06	.905	0.07	0.03	-0.02	0.10	.233	0.03	0.04	-0.05	0.09	.583
CHI-T: Trait compulsivity	0.08	0.03	-0.04	0.09	.455	0.08	0.02	-0.02	0.07	.295	0.13	0.03	-0.02	0.10	.161

Note: β : Standardized coefficient; SE: Standard error; * $p < .05$, ** $p < .01$, *** $p < .001$

Table S7 Longitudinal multiple regression models with HAC correction of PPU

Variable	Baseline predicting 6-months (N=198)					Baseline predicting 3-months (N=206)					3-months predicting 6-months (N=138)				
	β	SE	95% CI		<i>p</i>	β	SE	95% CI		<i>p</i>	β	SE	95% CI		<i>p</i>
			LL	UL				LL	UL				LL	UL	
Demographics															
Age	-0.06	0.06	-0.18	0.04	.233	0.02	0.06	-0.08	0.13	.649	-0.07	4.26	-0.22	0.04	.186
Sex (F)	-0.17	0.70	-3.14	-0.39	.013*	-0.16	0.71	-3.13	-0.33	.016*	-0.14	0.07	-3.62	0.42	.124
Neurocognition															
SST: SSRT	0.01	3.31	-5.73	7.25	.819	0.01	2.86	-4.60	6.62	.725	-0.04	1.03	-13.53	6.35	.481
VMAC: VMAC score	0.01	5.79	-10.11	12.60	.831	0.06	6.51	-3.97	21.54	.179	-0.02	5.07	-20.33	15.45	.790
BART: <i>M</i> pre-committed pumps	-0.03	0.02	-0.04	0.02	.572	-0.00	0.02	-0.04	0.04	.954	0.00	9.13	-0.04	0.04	.986
CST: Switch cost latency	0.07	0.00	-0.00	0.01	.333	0.07	0.00	-0.00	0.01	.230	0.04	0.02	-0.00	0.01	.393
EAT: Error awareness	-0.06	0.01	-0.03	0.01	.467	0.06	0.01	-0.01	0.03	.259	0.03	0.00	-0.04	0.05	.823
SDT: <i>w</i>	0.02	0.84	-1.41	1.89	.776	0.07	0.76	-0.40	2.59	.154	0.05	0.02	-1.49	3.02	.505
N-Back: 3-back <i>d'</i>	0.06	0.22	-0.16	0.69	.227	0.02	0.17	-0.24	0.42	.597	0.03	1.15	-0.71	0.98	.760
DDT: Log <i>k</i>	-0.16	0.19	-0.85	-0.12	.009**	-0.02	0.18	-0.41	0.30	.766	-0.16	0.43	-1.28	0.23	.172
Covariates															
PPCS	0.63	0.07	0.45	0.74	<.001***	0.67	0.12	0.43	0.89	<.001***	0.68	0.38	0.56	0.96	<.001***
DASS-TS	-0.00	0.03	-0.06	0.06	.976	-0.01	0.03	-0.05	0.05	.910	0.11	0.10	-0.05	0.16	.305
SUPPS-P: Lack of perseverance and premeditation	0.04	0.16	-0.20	0.45	.452	-0.00	0.16	-0.32	0.30	.955	-0.02	0.05	-0.44	0.32	.769
SUPPS-P: Urgency	0.05	0.15	-0.19	0.41	.478	0.06	0.12	-0.09	0.38	.227	-0.02	0.19	-0.35	0.27	.797
SUPPS-P: Sensation seeking	-0.03	0.09	-0.24	0.12	.512	-0.05	0.08	-0.25	0.07	.269	0.05	0.16	-0.13	0.34	.382
CHI-T: Trait compulsivity	0.01	0.06	-0.10	0.11	.910	0.03	0.06	-0.09	0.15	.601	-0.02	0.12	-0.19	0.14	.762

Note: β : Standardized coefficient; SE: Standard error; * $p < .05$, ** $p < .01$, *** $p < .001$

Table S8 Longitudinal multiple regression models with HAC correction of PUI

Variable	Baseline predicting 6-months (N=198)					Baseline predicting 3-months (N=206)					3-months predicting 6-months (N=138)				
	β	SE	95% CI		p	β	SE	95% CI		p	β	SE	95% CI		p
			LL	UL				LL	UL				LL	UL	
Demographics															
Age	0.01	0.07	-0.11	0.15	.778	-0.00	0.06	-0.13	0.12	.973	0.09	0.08	-0.04	0.26	.140
Sex (F)	-0.07	0.67	-2.16	0.45	.202	-0.06	0.63	-2.07	0.40	.187	-0.05	0.80	-2.09	1.04	.512
Neurocognition															
SST: SSRT	0.04	3.89	-3.63	11.62	.306	-0.01	3.92	-8.74	6.63	.788	-0.01	4.87	-10.84	8.24	.789
VMAC: VMAC score	-0.05	7.57	-21.98	7.71	.348	-0.14	9.10	-44.18	-8.49	.004***	-0.07	8.40	-26.67	6.26	.227
BART: <i>M</i> pre-committed pumps	-0.09	0.02	-0.08	0.00	.077	-0.11	0.03	-0.10	-0.00	.042*	0.07	0.02	-0.01	0.06	.232
CST: Switch cost latency	0.01	0.00	-0.00	0.00	.819	-0.00	0.00	-0.00	0.00	.938	-0.01	0.00	-0.00	0.00	.846
EAT: Error awareness	-0.04	0.01	-0.03	0.01	.465	-0.09	0.01	-0.04	0.00	.090	0.03	0.01	-0.01	0.03	.608
SDT: <i>w</i>	-0.04	0.93	-2.51	1.13	.460	-0.04	0.95	-2.53	1.18	.479	-0.07	0.93	-2.85	0.81	.276
N-Back: 3-back <i>d'</i>	0.03	0.25	-0.34	0.63	.561	-0.00	0.27	-0.56	0.51	.923	0.04	0.27	-0.34	0.70	.500
DDT: Log <i>k</i>	-0.03	0.18	-0.46	0.24	.539	-0.04	0.21	-0.61	0.23	.375	0.00	0.19	-0.36	0.39	.933
Covariates															
IAT	0.65	0.08	0.40	0.73	<.001***	0.72	0.07	0.63	0.90	<.001***	0.77	0.06	0.52	0.77	<.001***
DASS-TS	0.02	0.04	-0.07	0.09	.823	-0.05	0.04	-0.10	0.05	.459	0.04	0.03	-0.04	0.09	.532
SUPPS-P: Lack of perseverance and premeditation	0.01	0.24	-0.43	0.50	.876	0.10	0.21	-0.00	0.82	.053	-0.05	0.21	-0.56	0.26	.477
SUPPS-P: Urgency	0.11	0.17	-0.06	0.60	.110	-0.01	0.16	-0.35	0.28	.835	0.06	0.17	-0.21	0.47	.462
SUPPS-P: Sensation seeking	-0.02	0.11	-0.25	0.17	.734	0.01	0.10	-0.17	0.23	.751	-0.06	0.11	-0.33	0.09	.254
CHI-T: Trait compulsivity	0.07	0.07	-0.06	0.20	.296	0.09	0.08	-0.03	0.26	.122	0.05	0.08	-0.11	0.22	.501

Note: β : Standardized coefficient; SE: Standard error; * $p < .05$, ** $p < .01$, *** $p < .001$

Longitudinal Multiple Regression Models with Imputed Data

Table S9 – Longitudinal multiple regression models with imputed data of problematic alcohol use

Variable	Baseline predicting 6-months (N=294)					Baseline predicting 3-months (N=294)					3-months predicting 6-months (N=206)				
	β	SE	95% CI		<i>p</i>	β	SE	95% CI		<i>p</i>	β	SE	95% CI		<i>p</i>
			LL	UL				LL	UL				LL	UL	
Demographics															
Age	0.07	0.04	-0.00	0.15	.058	0.04	0.03	-0.02	0.10	.228	0.05	0.06	-0.06	0.16	.367
Sex (F)	-0.20	0.34	-0.87	0.46	.553	0.15	0.27	-0.37	0.67	.580	-0.03	0.42	-0.86	0.80	.952
Neurocognition															
SST: SSRT	-3.73	2.57	-8.77	1.31	.147	-1.36	2.05	-5.38	2.66	.506	-3.72	2.25	-8.13	0.69	.100
VMAC: VMAC score	-3.64	4.51	-12.48	5.20	.420	0.33	4.02	-7.54	8.20	.935	-0.28	4.18	-8.47	7.92	.947
BART: <i>M</i> pre-committed pumps	-0.01	0.01	-0.34	0.01	.168	0.00	0.01	-0.01	0.02	.719	-0.01	0.01	-0.03	0.02	.551
CST: Switch cost latency	-0.00	0.00	-0.00	0.00	.745	0.00	0.00	-0.00	0.00	.443	0.00	0.00	-0.00	0.00	.625
EAT: Error awareness	0.00	0.01	-0.01	0.01	.959	0.00	0.00	-0.01	0.01	.536	0.00	0.01	-0.01	0.02	.579
SDT: <i>w</i>	-0.67	0.46	-1.58	0.24	.147	-0.11	0.38	-0.86	0.63	.769	-0.27	0.62	-1.48	0.95	.667
N-Back: 3-back <i>d'</i>	0.05	0.14	-0.22	0.32	.718	0.04	0.10	-0.16	0.24	.701	0.05	0.11	-0.16	0.26	.661
DDT: Log <i>k</i>	-0.07	0.11	-0.28	0.15	.550	0.02	0.07	-0.11	0.15	.767	-0.01	0.11	-0.22	0.20	.948
Covariates															
AUDIT	0.61	0.09	0.44	0.78	<.001***	0.83	0.06	.710	0.94	<.001***	0.68	0.10	0.49	0.88	<.001***
DASS-TS	0.01	0.02	-0.03	0.06	.555	0.01	0.01	-0.01	0.04	.264	0.02	0.02	-0.01	0.05	.277
SUPPS-P: Lack of perseverance and premeditation	-0.17	0.12	-0.40	0.06	.142	0.00	0.11	-0.21	0.22	.982	-0.15	0.10	-0.35	0.05	.147
SUPPS-P: Urgency	0.19	0.10	-0.01	0.39	.064	0.13	0.08	-0.02	0.28	.094	-0.06	0.18	-0.42	0.30	.744
SUPPS-P: Sensation seeking	0.02	0.07	-0.11	0.15	.773	0.03	0.05	-0.07	0.13	.567	0.02	0.08	-0.12	0.17	.744
CHI-T: Trait compulsivity	-0.02	0.04	-0.10	0.06	.586	-0.04	0.03	-0.11	0.02	.163	0.03	0.05	-0.07	0.13	.510

Note. β : Unstandardized coefficient; SE: Standard error; * $p < .05$, ** $p < .01$, *** $p < .001$

Table S10 – Longitudinal multiple regression models with imputed data of AE

Variable	Baseline predicting 6-months (N=294)					Baseline predicting 3-months (N=294)					3-months predicting 6-months (N=206)				
	β	SE	95% CI		<i>p</i>	β	SE	95% CI		<i>p</i>	β	SE	95% CI		<i>p</i>
			LL	UL				LL	UL				LL	UL	
Demographics															
Age	0.02	0.02	-0.18	0.06	.273	0.03	0.02	-0.12	0.06	.183	-0.00	0.02	-0.05	0.04	.886
Sex (F)	-0.40	0.18	-0.76	-0.04	.030*	0.02	0.16	-0.30	0.34	.907	-0.24	0.21	-0.66	0.17	.253
Neurocognition															
SST: SSRT	0.71	1.21	-1.67	3.09	.560	-0.13	1.03	-2.15	1.89	.898	-0.11	1.39	-2.85	2.62	.935
VMAC: VMAC score	-0.45	2.57	-5.49	4.59	.860	0.20	2.21	-4.14	4.53	.929	4.73	2.85	-0.86	10.33	.097
BART: <i>M</i> pre-committed pumps	-0.01	0.01	-0.02	0.00	.241	0.00	0.01	-0.01	0.01	.841	-0.01	0.01	-0.02	0.00	.164
CST: Switch cost latency	0.00	0.00	-0.00	0.00	.135	-0.00	0.00	-0.00	0.00	.998	0.00	0.00	-0.00	0.00	.829
EAT: Error awareness	-0.00	0.00	-0.01	0.00	.264	-0.01	0.00	-0.01	0.00	.066	0.00	0.00	-0.01	0.01	.889
SDT: <i>w</i>	0.17	0.28	-0.37	0.72	.532	-0.13	0.22	-0.57	0.31	.556	-0.26	0.23	-0.71	0.19	.262
N-Back: 3-back <i>d'</i>	-0.01	0.07	-0.15	0.12	.844	0.02	0.07	-0.12	0.15	.822	-0.08	0.09	-0.25	0.10	.375
DDT: Log <i>k</i>	0.10	0.05	-0.01	0.20	.064	0.01	0.05	-0.08	0.10	.795	0.08	0.06	-0.04	0.20	.210
Covariates															
mYFAS	0.45	0.12	0.22	0.69	<.001***	0.56	0.12	0.33	0.80	<.001***	0.73	0.12	0.49	0.97	<.001***
DASS-TS	0.02	0.01	-0.00	0.05	.059	0.01	0.01	-0.01	0.04	.302	0.02	0.01	-0.01	0.04	.170
SUPPS-P: Lack of perseverance and premeditation	0.08	0.07	-0.06	0.22	.280	0.05	0.05	-0.05	0.16	.342	0.05	0.09	-0.12	0.21	.586
SUPPS-P: Urgency	0.08	0.04	-0.01	0.16	.068	0.03	0.04	-0.04	0.11	.402	-0.04	0.05	-0.14	0.07	.500
SUPPS-P: Sensation seeking	-0.01	0.03	-0.07	0.06	.859	0.04	0.03	-0.02	0.09	.201	0.01	0.04	-0.06	0.08	.689
CHI-T: Trait compulsivity	0.02	0.03	-0.03	0.08	.394	0.02	0.03	-0.03	0.08	.371	0.03	0.02	-0.02	0.08	.218

Note. β : Unstandardized coefficient; SE: Standard error; * $p < .05$, ** $p < .01$, *** $p < .001$

Table S11 – Longitudinal multiple regression models with imputed data of PPU

Variable	Baseline predicting 6-months (N=294)					Baseline predicting 3-months (N=294)					3-months predicting 6-months (N=206)				
	β	SE	95% CI		<i>p</i>	β	SE	95% CI		<i>p</i>	β	SE	95% CI		<i>p</i>
			LL	UL				LL	UL				LL	UL	
Demographics															
Age	-0.06	0.05	-0.17	0.05	.278	0.02	0.05	-0.08	0.11	.714	-0.10	0.07	-0.23	0.03	.148
Sex (F)	-1.54	0.68	-2.87	-0.20	.025*	-1.55	0.59	-2.71	-0.39	.010*	-1.42	0.95	-3.28	0.45	.136
Neurocognition															
SST: SSRT	0.47	3.19	-5.80	6.73	.884	0.90	2.97	-4.92	6.71	.762	-3.06	4.74	-12.35	6.22	.518
VMAC: VMAC score	-0.56	5.97	-12.27	11.14	.925	7.57	5.68	-3.57	18.71	.183	-0.38	8.06	-16.19	15.43	.963
BART: <i>M</i> pre-committed pumps	-0.01	0.02	-0.04	0.02	.581	0.00	0.02	-0.03	0.04	.889	-0.00	0.02	-0.04	0.04	.982
CST: Switch cost latency	0.00	0.00	-0.00	0.01	.440	0.00	0.00	-0.00	0.00	.381	0.00	0.00	-0.00	0.01	.402
EAT: Error awareness	-0.01	0.01	-0.03	0.01	.517	0.01	0.01	-0.01	0.03	.367	0.01	0.02	-0.03	0.05	.713
SDT: <i>w</i>	0.15	0.79	-1.40	1.71	.850	0.94	0.72	-0.47	2.35	.193	0.61	1.13	-1.61	2.83	.589
N-Back: 3-back <i>d'</i>	0.25	0.20	-0.14	0.65	.202	0.05	0.16	-0.26	0.37	.735	0.04	0.42	-0.77	0.86	.920
DDT: Log <i>k</i>	-0.42	0.16	-0.73	-0.11	.008**	-0.06	0.15	-0.36	0.23	.664	-0.43	0.35	-1.12	0.26	.220
Covariates															
PPCS	0.60	0.08	0.44	0.75	<.001***	0.64	0.10	0.45	0.82	<.001***	0.76	0.10	0.56	0.96	<.001***
DASS-TS	0.01	0.03	-0.05	0.06	.847	-0.00	0.02	-0.05	0.05	.975	0.04	0.05	-0.05	0.14	.360
SUPPS-P: Lack of perseverance and premeditation	0.14	0.17	-0.20	0.48	.405	-0.07	0.17	-0.40	0.25	.657	-0.09	0.20	-0.48	0.30	.661
SUPPS-P: Urgency	0.07	0.14	-0.21	0.34	.647	0.14	0.11	-0.08	0.37	.212	-0.04	0.15	-0.34	0.27	.811
SUPPS-P: Sensation seeking	-0.06	0.08	-0.22	0.11	.496	-0.08	0.07	-0.23	0.06	.273	0.08	0.11	-0.14	0.31	.472
CHI-T: Trait compulsivity	0.01	0.05	-0.09	0.12	.799	0.01	0.05	-0.10	0.11	.918	-0.01	0.07	-0.16	0.13	.875

Note. β : Unstandardized coefficient; SE: Standard error; * $p < .05$, ** $p < .01$, *** $p < .001$

Table S12 – Longitudinal multiple regression models with imputed data of PUI

Variable	Baseline predicting 6-months (N=294)					Baseline predicting 3-months (N=294)					3-months predicting 6-months (N=206)				
	β	SE	95% CI		<i>p</i>	β	SE	95% CI		<i>p</i>	β	SE	95% CI		<i>p</i>
			LL	UL				LL	UL				LL	UL	
Demographics															
Age	0.02	0.06	-0.10	0.15	.701	0.01	0.07	-0.13	0.15	.884	0.08	0.07	-0.06	0.22	.259
Sex (F)	-0.95	0.68	-2.23	0.39	.165	-0.67	0.68	-2.00	0.65	.319	-0.63	0.77	-2.13	0.88	.414
Neurocognition															
SST: SSRT	4.52	3.96	-3.24	12.28	.254	-0.10	4.05	-8.03	7.84	.981	-0.64	4.83	-10.11	8.83	.894
VMAC: VMAC score	-5.00	7.53	-19.76	9.75	.506	-21.58	9.05	-39.32	-3.84	.017*	-9.95	7.96	-25.55	5.65	.211
BART: <i>M</i> pre-committed pumps	-0.03	0.02	-0.07	0.01	.120	-0.04	0.02	-0.09	0.00	.062	0.03	0.02	-0.01	0.06	.161
CST: Switch cost latency	0.00	0.00	-0.00	0.00	.801	0.00	0.00	-0.00	0.01	.586	-0.00	0.00	-0.00	0.00	.761
EAT: Error awareness	-0.01	0.01	-0.03	0.01	.550	-0.01	0.01	-0.04	0.01	.211	0.01	0.01	-0.01	0.03	.484
SDT: <i>w</i>	-0.49	0.88	-2.22	1.24	.576	-0.40	0.92	-2.20	1.41	.667	-1.10	0.91	-2.88	0.68	.226
N-Back: 3-back <i>d'</i>	-0.03	0.24	-0.51	0.44	.891	-0.21	0.28	-0.77	0.34	.454	0.18	0.27	-0.35	0.70	.512
DDT: Log <i>k</i>	-0.14	0.18	-0.49	0.21	.429	-0.16	0.20	-0.55	0.23	.421	0.01	0.20	-0.38	0.39	.973
Covariates															
IAT	0.55	0.08	0.40	0.71	<.001***	0.74	0.09	0.56	0.92	<.001***	0.65	0.06	0.53	0.77	<.001***
DASS-TS	0.02	0.04	-0.05	0.10	.525	-0.01	0.04	-0.08	0.07	.832	0.02	0.03	-0.05	0.08	.589
SUPPS-P: Lack of perseverance and premeditation	-0.01	0.22	-0.45	0.43	.954	0.36	0.19	-0.01	0.72	.056	-0.24	0.22	-0.67	0.19	.271
SUPPS-P: Urgency	0.26	0.16	-0.06	0.58	.109	-0.07	0.16	-0.40	0.25	.652	0.09	0.17	-0.25	0.43	.614
SUPPS-P: Sensation seeking	-0.04	0.10	-0.24	0.16	.708	0.04	0.11	-0.18	0.26	.699	-0.14	0.11	-0.35	0.08	.213
CHI-T: Trait compulsivity	0.04	0.06	-0.08	0.16	.504	0.08	0.07	-0.07	0.22	.293	0.06	0.08	-0.10	0.22	.474

Note. β : Unstandardized coefficient; SE: Standard error; * $p < .05$, ** $p < .01$, *** $p < .001$