

Table S1
Retention over 8 Waves of Longitudinal study

	N at given wave (total # participated at each wave)	# new participants (first participated at given wave)	Percentage of full sample (Wave N/1897)	Percentage of previous wave (Wave N/Wave N – 1)
W1	1,843	1,843	97.2%	---
W2	1,806	54	95.2%	92.4%
W3	1,770	---	93.3%	98.0%
W4	1,667	---	87.9%	94.2%
W5	1,683	---	86.3%	98.3%
W6	1,563	---	82.4%	95.4%
W7	1,495	---	78.8%	95.6%
W8	1,428	---	75.3%	95.6%

W = wave. For example, W1 = wave 1. Wave 1: spring, 5th grade; Wave 2: fall, 6th grade; Wave 3: spring, 6th grade; Wave 4: fall, 7th grade; Wave 5: spring, 7th grade; Wave 6: fall, 8th grade; Wave 7: spring, 8th grade; Wave 8: spring, 9th grade; Wave 9. A total of 54 youth were in the study but were absent from school during all testing days at wave 1, so began at wave 2.

Table S2. Summary of Hierarchical Regression for LPxNA predicting Negative Urgency for Boys (N=956)

Wave 1				
	Step 1		Step 2	
	β	ΔR^2	β	ΔR^2
Lack of Planning	.34**	.23*	.34**	.00
Negative Affect	.30**		.30**	
LPxNA	--		-.03	
Wave 2				
	Step 1		Step 2	
	β	ΔR^2	β	ΔR^2
Lack of Planning	.28**	.18**	.29**	.01*
Negative Affect	.27**		.28**	
LPxNA	--		-.10*	
Wave 3				
	Step 1		Step 2	
	β	ΔR^2	β	ΔR^2
Lack of Planning	.31**	.20**	.31**	.01*
Negative Affect	.28**		.29**	
LPxNA	--		-.09*	
Wave 4				
	Step 1		Step 2	
	β	ΔR^2	β	ΔR^2
Lack of Planning	.30**	.21**	.30**	.00
Negative Affect	.31**		.31**	
LPxNA	--		-.03	
Wave 5				
	Step 1		Step 2	
	β	ΔR^2	β	ΔR^2
Lack of Planning	.24**	.21**	.24**	.01*
Negative Affect	.35**		.37**	
LPxNA	--		-.10*	
Wave 6				
	Step 1		Step 2	
	β	ΔR^2	β	ΔR^2
Lack of Planning	.25**	.20**	.25**	.00
Negative Affect	.34**		.33**	
LPxNA	--		.04	
Wave 7				
	Step 1		Step 2	
	β	ΔR^2	β	ΔR^2
Lack of Planning	.14**	.19**	.14**	.00
Negative Affect	.40**		.40**	
LPxNA	--		.01	

Wave 8				
	Step 1		Step 2	
	β	ΔR^2	β	ΔR^2
Lack of Planning	.05	.22**	.05	.01*
Negative Affect	.46**		.46**	
LPxNA	--		-.09*	

Note. * = $p < .01$, ** = $p < .001$.

Table S3. Summary of Hierarchical Regression for LPxNA predicting Negative Urgency for Girls (N=925)

Wave 1				
	Step 1		Step 2	
	β	ΔR^2	β	ΔR^2
Lack of Planning	.30**	.24**	.30**	.00
Negative Affect	.36**		.36**	
LPxNA	-		-.02	
Wave 2				
	Step 1		Step 2	
	β	ΔR^2	β	ΔR^2
Lack of Planning	.31**	.20**	.31**	.00
Negative Affect	.29**		.29**	
LPxNA	-		-.01	
Wave 3				
	Step 1		Step 2	
	β	ΔR^2	β	ΔR^2
Lack of Planning	.26**	.18**	.26**	.01*
Negative Affect	.29**		.31**	
LPxNA	-		-.09*	
Wave 4				
	Step 1		Step 2	
	β	ΔR^2	β	ΔR^2
Lack of Planning	.30**	.24**	.30**	.01*
Negative Affect	.35**		.36**	
LPxNA	-		-.08*	
Wave 5				
	Step 1		Step 2	
	β	ΔR^2	β	ΔR^2
Lack of Planning	.25**	.18**	.24**	.02**
Negative Affect	.31**		.34**	
LPxNA	-		-.15**	
Wave 6				
	Step 1		Step 2	
	β	ΔR^2	β	ΔR^2
Lack of Planning	.29**	.23**	.29**	.01*
Negative Affect	.34**		.35**	
LPxNA	-		-.08*	
Wave 7				
	Step 1		Step 2	
	β	ΔR^2	β	ΔR^2
Lack of Planning	.13**	.16**	.13**	.01*
Negative Affect	.37**		.38**	
LPxNA	-		-.09*	

Wave 8				
	Step 1		Step 2	
	β	ΔR^2	β	ΔR^2
Lack of Planning	.01	.18**	.01	.02**
Negative Affect	.42**		.45**	
LPxNA	-		-.13**	

Note. * = $p < .01$, ** = $p < .001$.

Table S4. Summary of Hierarchical Regression for LPxPA predicting Positive Urgency for Boys (N=956)

Wave 1				
	Step 1		Step 2	
	β	ΔR^2	β	ΔR^2
Lack of Planning	.32**	.09**	.32**	.00
Positive Affect	.05		.04	
LPxPA	-		.07	
Wave 2				
	Step 1		Step 2	
	β	ΔR^2	β	ΔR^2
Lack of Planning	.31**	.09**	.32**	.01*
Positive Affect	.11*		.09*	
LPxPA	-		.10*	
Wave 3				
	Step 1		Step 2	
	β	ΔR^2	β	ΔR^2
Lack of Planning	.35**	.12**	.35**	.01
Positive Affect	.16**		.16**	
LPxPA	-		.07	
Wave 4				
	Step 1		Step 2	
	β	ΔR^2	β	ΔR^2
Lack of Planning	.31**	.10**	.31**	.01*
Positive Affect	.03		.02	
LPxPA	-		.09*	
Wave 5				
	Step 1		Step 2	
	β	ΔR^2	β	ΔR^2
Lack of Planning	.32**	.10**	.33**	.01
Positive Affect	.05		.05	
LPxPA	-		.08	
Wave 6				
	Step 1		Step 2	
	β	ΔR^2	β	ΔR^2
Lack of Planning	.34**	.11**	.34**	.00
Positive Affect	.02		.02	
LPxPA	-		.02	
Wave 7				
	Step 1		Step 2	
	β	ΔR^2	β	ΔR^2
Lack of Planning	.27**	.07**	.27**	.00
Positive Affect	.02		.01	
LPxPA	-		.02	

Wave 8				
	Step 1		Step 2	
	β	ΔR^2	β	ΔR^2
Lack of Planning	.21**	.05**	.21**	.00
Positive Affect	.09*		.09*	
LPxPA	-		.03	

Note. * = $p < .01$, ** = $p < .001$.

Table S5. Summary of Hierarchical Regression for LPxPA predicting Positive Urgency for Girls (N=925)

Wave 1				
	Step 1		Step 2	
	β	ΔR^2	β	ΔR^2
Lack of Planning	.33**	.20**	.34**	.01
Positive Affect	.08*		.08	
LPxPA	-		.08	
Wave 2				
	Step 1		Step 2	
	β	ΔR^2	β	ΔR^2
Lack of Planning	.34**	.11**	.34**	.02**
Positive Affect	.08		.06	
LPxPA	-		.15**	
Wave 3				
	Step 1		Step 2	
	β	ΔR^2	β	ΔR^2
Lack of Planning	.31**	.09**	.32**	.01**
Positive Affect	.09*		.07	
LPxPA	-		.12**	
Wave 4				
	Step 1		Step 2	
	β	ΔR^2	β	ΔR^2
Lack of Planning	.33**	.11**	.33**	.02**
Positive Affect	.01		-.01	
LPxPA	-		.14**	
Wave 5				
	Step 1		Step 2	
	β	ΔR^2	β	ΔR^2
Lack of Planning	.27**	.07**	.27**	.01
Positive Affect	.05		.05	
LPxPA	-		.07	
Wave 6				
	Step 1		Step 2	
	β	ΔR^2	β	ΔR^2
Lack of Planning	.30**	.09**	.29**	.02**
Positive Affect	.09*		.10**	
LPxPA	-		.14**	
Wave 7				
	Step 1		Step 2	
	β	ΔR^2	β	ΔR^2
Lack of Planning	.15**	.03**	.15**	.02**
Positive Affect	.10*		.10*	
LPxPA	-		.15**	

Wave 8				
	Step 1		Step 2	
	β	ΔR^2	β	ΔR^2
Lack of Planning	.15**	.02	.15**	.01
Positive Affect	.05		.03	
LPxPA	-		.07	

Note. * = $p < .01$, ** = $p < .001$.

Table S6. Summary of Hierarchical Regression for Negative Urgency versus LPxNA predicting drinking for Boys (N=956)

Wave 1 → Wave 2								
	Step 1		Step 2		Step 3		Step 4	
	β	ΔR^2	β	ΔR^2	β	ΔR^2	β	ΔR^2
Drinking	.42**	.18**	.41**	.01*	.41**	.00	.39**	.01**
Lack of Planning	-		.09*		.09*		.05	
Negative Affect	-		-.04		-.04		-.07	
LPxNA	-		-		-.03		-.03	
Negative Urgency	-		-		-		.12**	
Wave 2 → Wave 3								
	Step 1		Step 2		Step 3		Step 4	
	β	ΔR^2	β	ΔR^2	β	ΔR^2	β	ΔR^2
Drinking	.38**	.15**	.37**	.01	.37**	.00	.36**	.01*
Lack of Planning	-		.06		.06		.03	
Negative Affect	-		.05		.05		.02	
LPxNA	-		-		.01		.02	
Negative Urgency	-		-		-		.10*	
Wave 3 → Wave 4								
	Step 1		Step 2		Step 3		Step 4	
	β	ΔR^2	β	ΔR^2	β	ΔR^2	β	ΔR^2
Drinking	.41**	.17**	.39**	.01**	.39**	.00	.39**	.00
Lack of Planning	-		.12**		.12**		.11**	
Negative Affect	-		-.02		-.02		-.03	
LPxNA	-		-		.02		.02	
Negative Urgency	-		-		-		.05	
Wave 4 → Wave 5								
	Step 1		Step 2		Step 3		Step 4	
	β	ΔR^2	β	ΔR^2	β	ΔR^2	β	ΔR^2
Drinking	.54**	.29**	.53**	.01*	.53**	.00	.52**	.00
Lack of Planning	-		.10**		.09**		.08*	
Negative Affect	-		-.02		-.02		-.04	
LPxNA	-		-		.03		.03	
Negative Urgency	-		-		-		.06	
Wave 5 → Wave 6								
	Step 1		Step 2		Step 3		Step 4	
	β	ΔR^2	β	ΔR^2	β	ΔR^2	β	ΔR^2
Drinking	.54**	.29**	.52**	.01	.52**	.00	.50**	.01**
Lack of Planning	-		.07		.07		.04	
Negative Affect	-		.04		.05		.00	
LPxNA	-		-		-.05		-.03	
Negative Urgency	-		-		-		.13**	

Wave 6 → Wave 7								
	Step 1		Step 2		Step 3		Step 4	
	β	ΔR^2	β	ΔR^2	β	ΔR^2	β	ΔR^2
Drinking	.57**	.32**	.55**	.01**	.55**	.00	.54**	.01*
Lack of Planning	-		.11**		.11**		.09*	
Negative Affect	-		-.07		-.07		-.09*	
LPxNA	-		-		.01		.01	
Negative Urgency	-		-		-		.08*	
Wave 7 → Wave 8								
	Step 1		Step 2		Step 3		Step 4	
	β	ΔR^2	β	ΔR^2	β	ΔR^2	β	ΔR^2
Drinking	.49**	.24**	.46**	.02**	.46**	.00	.44**	.01*
Lack of Planning	-		.13**		.13**		.12**	
Negative Affect	-		.03		.03		-.01	
LPxNA	-		-		.00		.00	
Negative Urgency	-		-		-		.10*	

Table S7. Summary of Hierarchical Regression for Negative Urgency versus LPxNA predicting drinking for Girls (N=925)

Wave 1 → Wave 2								
	Step 1		Step 2		Step 3		Step 4	
	β	ΔR^2	β	ΔR^2	β	ΔR^2	β	ΔR^2
Drinking	.46**	.21**	.44**	.02**	.44**	.00	.43**	.01
Lack of Planning	-		.13**		.13**		.11**	
Negative Affect	-		-.05		-.04		-.07	
LPxNA	-		-		-.02		-.02	
Negative Urgency	-		-		-		.08	
Wave 2 → Wave 3								
	Step 1		Step 2		Step 3		Step 4	
	β	ΔR^2	β	ΔR^2	β	ΔR^2	β	ΔR^2
Drinking	.45**	.20**	.42**	.01*	.42**	.00	.40**	.02**
Lack of Planning	-		.09*		.09*		.05	
Negative Affect	-		.04		.03		-.01	
LPxNA	-		-		.04		.04	
Negative Urgency	-		-		-		.14**	
Wave 3 → Wave 4								
	Step 1		Step 2		Step 3		Step 4	
	β	ΔR^2	β	ΔR^2	β	ΔR^2	β	ΔR^2
Drinking	.55**	.30**	.52**	.01**	.52**	.00	.52**	.00
Lack of Planning	-		.08*		.08*		.07	
Negative Affect	-		.07		.07		.06	
LPxNA	-		-		-.01		.00	
Negative Urgency	-		-		-		.03	
Wave 4 → Wave 5								
	Step 1		Step 2		Step 3		Step 4	
	β	ΔR^2	β	ΔR^2	β	ΔR^2	β	ΔR^2
Drinking	.53**	.28**	.50**	.01**	.50**	.00	.47**	.02**
Lack of Planning	-		.09*		.09*		.05	
Negative Affect	-		.06		.06		.01	
LPxNA	-		-		.02		.03	
Negative Urgency	-		-		-		.16**	
Wave 5 → Wave 6								
	Step 1		Step 2		Step 3		Step 4	
	β	ΔR^2	β	ΔR^2	β	ΔR^2	β	ΔR^2
Drinking	.52**	.28**	.48**	.02	.48**	.00	.45**	.01**
Lack of Planning	-		.09*		.09*		.07	
Negative Affect	-		.09*		.09*		.06	
LPxNA	-		-		-.04		-.02	
Negative Urgency	-		-		-		.13**	

Wave 6 → Wave 7								
	Step 1		Step 2		Step 3		Step 4	
	β	ΔR^2	β	ΔR^2	β	ΔR^2	β	ΔR^2
Drinking	.53**	.28**	.50**	.02**	.50**	.00	.48**	.01
Lack of Planning	-		.13**		.13**		.11**	
Negative Affect	-		.00		.00		-.03	
LPxNA	-		-		-.01		.00	
Negative Urgency	-		-		-		.08	
Wave 7 → Wave 8								
	Step 1		Step 2		Step 3		Step 4	
	β	ΔR^2	β	ΔR^2	β	ΔR^2	β	ΔR^2
Drinking	.39**	.15**	.35**	.03**	.35**	.00	.32**	.02**
Lack of Planning	-		.18**		.18**		.16**	
Negative Affect	-		.03		.03		-.01	
LPxNA	-		-		-.03		-.01	
Negative Urgency	-		-		-		.15**	

Table S8. Summary of Hierarchical Regression for Positive Urgency versus LPxPA predicting drinking for Boys (N=956)

Wave 1 → Wave 2								
	Step 1		Step 2		Step 3		Step 4	
	β	ΔR^2	β	ΔR^2	β	ΔR^2	β	ΔR^2
Drinking	.42**	.18**	.40**	.01	.40**	.00	.40**	.00
Lack of Planning	-		.08		.08		.07	
Positive Affect	-		-.02		-.02		-.02	
LPxPA	-		-		-.02		-.02	
Positive Urgency	-		-		-		.04	
Wave 2 → Wave 3								
	Step 1		Step 2		Step 3		Step 4	
	β	ΔR^2	β	ΔR^2	β	ΔR^2	β	ΔR^2
Drinking	.38**	.15**	.38**	.01	.38**	.00	.37**	.00
Lack of Planning	-		.07		.07		.05	
Positive Affect	-		-.01		-.01		-.02	
LPxPA	-		-		.02		.02	
Positive Urgency	-		-		-		.05	
Wave 3 → Wave 4								
	Step 1		Step 2		Step 3		Step 4	
	β	ΔR^2	β	ΔR^2	β	ΔR^2	β	ΔR^2
Drinking	.55**	.30**	.53**	.01**	.53**	.00	.53**	.00
Lack of Planning	-		.06		.06		.05	
Positive Affect	-		-.08*		-.07*		-.08*	
LPxPA	-		-		-.06		-.06	
Positive Urgency	-		-		-		.02	
Wave 4 → Wave 5								
	Step 1		Step 2		Step 3		Step 4	
	β	ΔR^2	β	ΔR^2	β	ΔR^2	β	ΔR^2
Drinking	.64**	.41**	.63**	.01**	.63**	.00	.63**	.00
Lack of Planning	-		.09**		.09**		.08*	
Positive Affect	-		.07*		.07*		.07*	
LPxPA	-		-		.03		.03	
Positive Urgency	-		-		-		.04	
Wave 5 → Wave 6								
	Step 1		Step 2		Step 3		Step 4	
	β	ΔR^2	β	ΔR^2	β	ΔR^2	β	ΔR^2
Drinking	.53**	.29**	.52**	.01	.52**	.00	.50**	.01**
Lack of Planning	-		.07		.07		.04	
Positive Affect	-		.04		.04		.03	
LPxPA	-		-		-.01		-.01	
Positive Urgency	-		-		-		.11**	

Wave 6 → Wave 7								
	Step 1		Step 2		Step 3		Step 4	
	β	ΔR^2	β	ΔR^2	β	ΔR^2	β	ΔR^2
Drinking	.61**	.38**	.60**	.03**	.60**	.00	.59**	.00
Lack of Planning	-		.13**		.13**		.12**	
Positive Affect	-		.13**		.13**		.13**	
LPxPA	-		-		-.03		-.03	
Positive Urgency	-		-		-		.05	
Wave 7 → Wave 8								
	Step 1		Step 2		Step 3		Step 4	
	β	ΔR^2	β	ΔR^2	β	ΔR^2	β	ΔR^2
Drinking	.56**	.31**	.53**	.02**	.53**	.00	.53	.00
Lack of Planning	-		.13**		.13**		.13**	
Positive Affect	-		-.03		-.02		-.02	
LPxPA	-		-		-.04		-.03	
Positive Urgency	-		-		-		.01	

Note. * = $p < .01$, ** = $p < .001$.

Table S9. Summary of Hierarchical Regression for Positive Urgency versus LPxPA predicting drinking for Girls (N=925)

Wave 1 → Wave 2								
	Step 1		Step 2		Step 3		Step 4	
	β	ΔR^2	β	ΔR^2	β	ΔR^2	β	ΔR^2
Drinking	.46**	.21**	.43**	.02**	.43**	.00	.42**	.00
Lack of Planning	-		.11**		.12**		.10*	
Positive Affect	-		-.05		-.05		-.05	
LPxPA	-		-		.02		.02	
Positive Urgency	-		-		-		.05	
Wave 2 → Wave 3								
	Step 1		Step 2		Step 3		Step 4	
	β	ΔR^2	β	ΔR^2	β	ΔR^2	β	ΔR^2
Drinking	.45**	.20**	.43**	.01**	.42**	.00	.40**	.02**
Lack of Planning	-		.12**		.12**		.07	
Positive Affect	-		.07		.07		.06	
LPxPA	-		-		.02		-.01	
Positive Urgency	-		-		-		.15**	
Wave 3 → Wave 4								
	Step 1		Step 2		Step 3		Step 4	
	β	ΔR^2	β	ΔR^2	β	ΔR^2	β	ΔR^2
Drinking	.53**	.28**	.51**	.01**	.51**	.00	.51**	.00
Lack of Planning	-		.09*		.09*		.09*	
Positive Affect	-		-.05		-.05		-.05	
LPxPA	-		-		.01		.01	
Positive Urgency	-		-		-		.02	
Wave 4 → Wave 5								
	Step 1		Step 2		Step 3		Step 4	
	β	ΔR^2	β	ΔR^2	β	ΔR^2	β	ΔR^2
Drinking	.57**	.32**	.54**	.01*	.54**	.00	.63**	.01*
Lack of Planning	-		.10**		.10**		.08*	
Positive Affect	-		.00		.00		.00	
LPxPA	-		-		-.03		-.04	
Positive Urgency	-		-		-		.08*	
Wave 5 → Wave 6								
	Step 1		Step 2		Step 3		Step 4	
	β	ΔR^2	β	ΔR^2	β	ΔR^2	β	ΔR^2
Drinking	.57**	.33**	.56**	.00	.56**	.00	.54**	.01*
Lack of Planning	-		.05		.05		.04	
Positive Affect	-		.01		.01		.00	
LPxPA	-		-		.00		-.01	
Positive Urgency	-		-		-		.09*	

Wave 6 → Wave 7								
	Step 1		Step 2		Step 3		Step 4	
	β	ΔR^2	β	ΔR^2	β	ΔR^2	β	ΔR^2
Drinking	.54**	.29**	.651**	.02**	.51**	.00	.50**	.00
Lack of Planning	-		.14**		.14**			
Positive Affect	-		.08*		.09*			
LPxPA	-		-		.06			
Positive Urgency	-		-		-			
Wave 7 → Wave 8								
	Step 1		Step 2		Step 3		Step 4	
	β	ΔR^2	β	ΔR^2	β	ΔR^2	β	ΔR^2
Drinking	.47**	.22**	.44**	.02**	.44**	.00	.42**	.01*
Lack of Planning	-		.16**		.16**			
Positive Affect	-		.04		.04			
LPxPA	-		-		-.02			
Positive Urgency	-		-		-			

Note. * = $p < .01$, ** = $p < .001$.