Psychological Flexibility Moderates the Relation of Distress Tolerance and Heavy Drinking Affective Avoidance

Introduction

- Heavy alcohol use is associated with numerous behavioral problems¹
- Distress tolerance (DT) and psychological flexibility (PF) are inversely associated with alcohol related problems²⁻³
- Low DT is associated with engaging in heavy alcohol use to avoid distressing private experiences,⁴ which may be supported by negative reinforcement
- Elements of PF, such as acceptance, limiting behavioral control of cognitions, and value-guided behavioral action⁵ may support effective actions when distressed
- Indeed, PF moderates the psychiatric symptom-marijuana abuse relation⁶ • Thus, PF may attenuate the relation of distressing internal experiences and
- emotion motivated substance use behavior, though PF has not been evaluated as a moderator of the DT-affective avoidance relation in the context of alcohol use

Hypothesis

Psychological flexibility will moderate the relation of distress tolerance and heavy drinking affective avoidance.

Method

- N = 228; M_{age} = 19.2; SD = 1.4; 92% White; 73% Female Online Survey
 - Distress Tolerance Scale (DTS)⁷
 - Acceptance and Action Questionnaire-II (AAQ-II)⁸
 - Risky, Impulsive, & Self-Destructive Behavior Questionnaire (RISQ)⁹

Results

Table 1

Moderation Analysis Evaluating Heavy Drinking Affective Avoidance as a Function of Distress Tolerance and Psychological Flexibility

Model	Coeff.	SE	t	р	95%
Constant	.415	1.498	.277	.782	[-2.537,
Sex	139	.175	797	.426	[-0.484,
Age	.005	.054	.089	.929	[-0.101,
DT	.574	.346	1.656	.099	[-0.109,
PF	.036	.029	1.246	.214	[-0.021,
DT x PF	022	.009	-2.383	.018	[-0.039,

Note. DT = Distress Tolerance; PF = Psychological Flexibility. $\Delta R^2 = .022$. F(1, (222) = 5.6798. Bootstrapped samples = 5000.

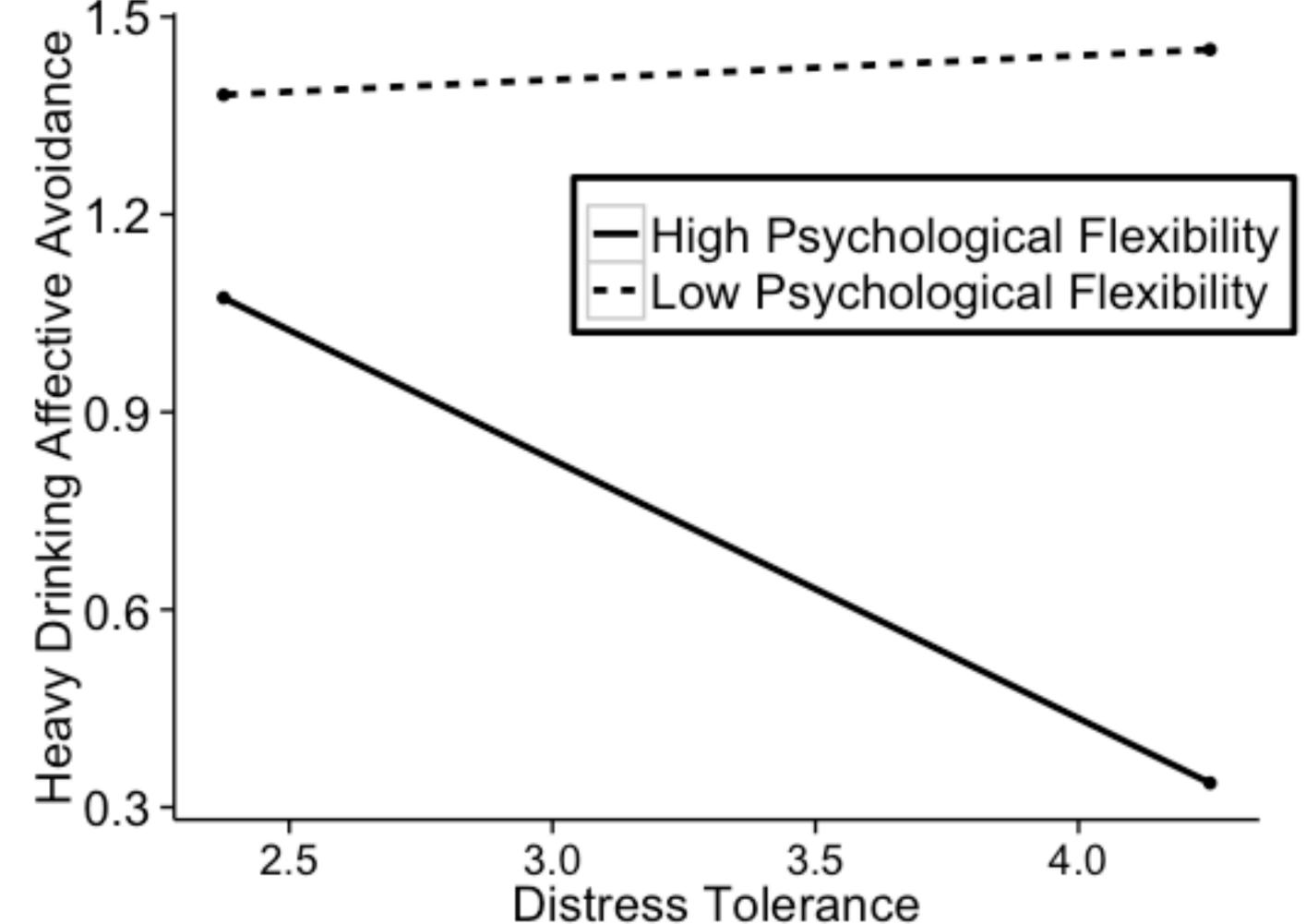


Figure 1. Simple slope analysis of heavy drinking affective avoidance predicted from distress tolerance for high (+1SD) and low (-1SD) psychological flexibility.

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∕₀ CI , 3.367] , 0.205] ., 0.111] , 1.256] , 0.092] -0.004]



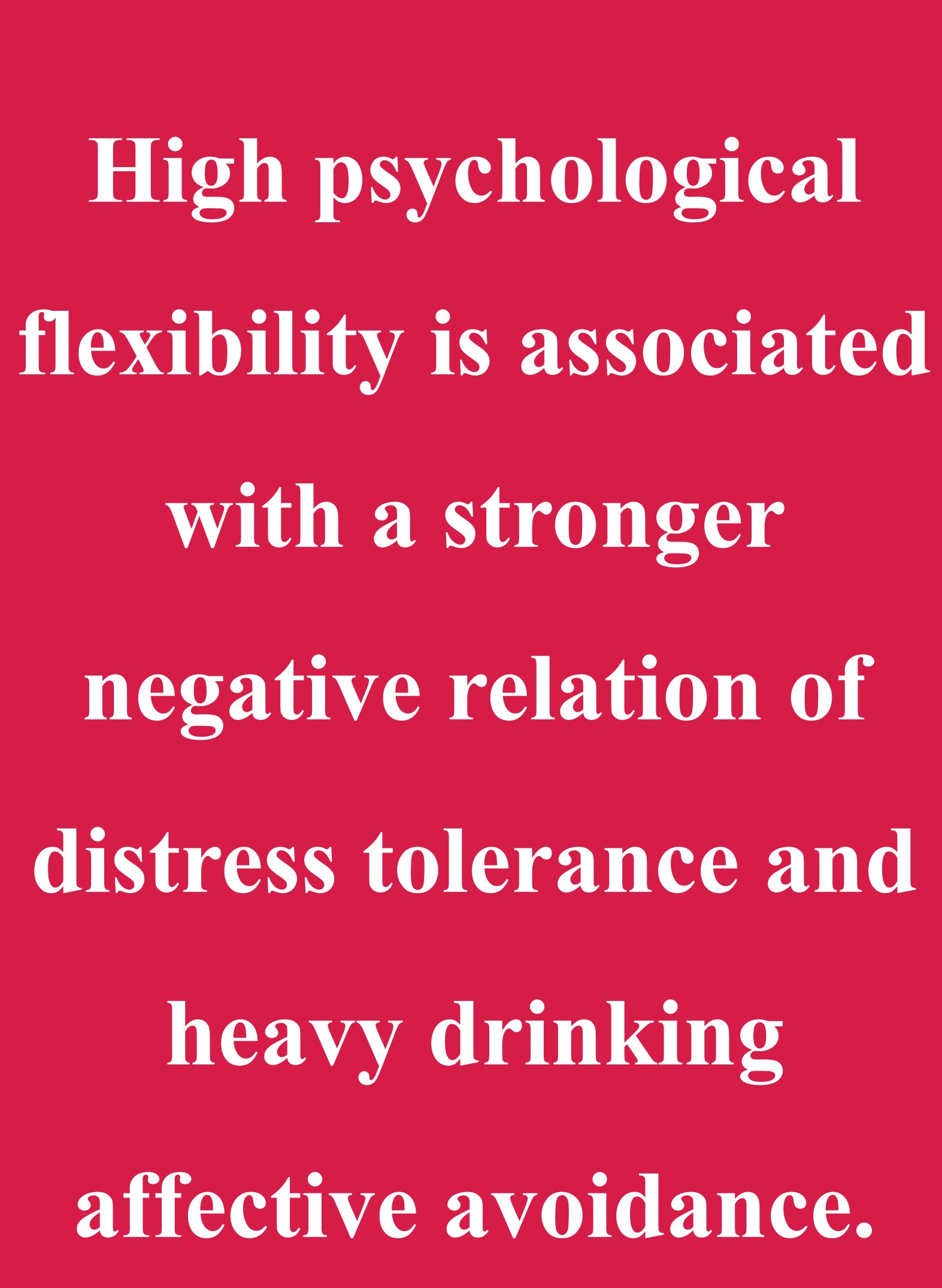


Table 2 Correlations, Descriptive Statistics, and Reliabilities						
Measure	1	2	3			
1. DTS	-					
2. HAU	29*	-				
3. AAQ-II	.61*	31*	_			
Μ	3.27	0.95	35.24			
SD	0.90	1.20	9.44			
α	.92	.79	.92			

Note. DTS = Distress Tolerance Scale; HAU = Heavy Alcohol Use; AAQ = Acceptance and Action Questionnaire-II. **p* < .001.

Limitations

Future Directions

- https://doi.org/10.1002/jaoc.12084

Discussion

DT and PF highly correlated, suggesting possible construct overlap DT and PF were correlated with heavy drinking affective avoidance PF moderated the DT-heavy drinking affective avoidance relation, such that DT was associated with affective avoidance at high levels of PF only PF may be a particularly productive intervention target when seeking to enhance the effect of DT skills for those who drink to avoid emotion

Limited diversity and a non-clinical sample Use of single factor measure of PF Cross-sectional data prevents causal interpretation

Evaluation in diverse and clinical samples

Assessment of PF using multifactor surveys and/or multimethod designs Behavioral measures and longitudinal designs

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