University of Regina
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<ul> <li>Posttraumatic Strassociated with simpairment, as well</li> <li>Understanding risdevelopment can practice.</li> <li>Adverse Childhoo associated with wincluding risk of a sociated with wincluding risk of a sociated with wincluding risk of a sociated with wincluding risk factors for P Uncertainty (IU) a risk factors for P Ull is a tendenc future events.</li> <li>BI is a tendenc unfamiliar peop</li> <li>IU and BI are cla have both been development.</li> <li>No study has com association betwore prsD symptoms.</li> <li>The present study</li> </ul>	y examined the inter- ween PTSD symptoms a	ress and $SD = 2$ part of factorPTSD (and) $\diamond$ Self-F 	Met I of 138 communit 2.56; 39% male) of f a larger online sist s for anxiety. Apport Measures in liverse Childhood lestionnaire (ACE at assesses preva- ildhood experient colerance of Unce US-12) – a 12-item dividual response trospective Meas hibition (RMBI) – sesses avoidance age of 13. SD Checklist for easure that assess mptoms. ate Pearson corre- en all dependent oles. chical multiple re- CL-5 scores as the S-12 and RMBI we dependent variable CE-1Q was entered	ity members completed me study examination included: Experiences E-IQ) – a 31-it alence of neg ces. ertainty Scale measure that is to uncertain sure of Behavion an 18-item model of the unfait DSM 5 (PCL- ses severity elations were and independen ere entered a les at Step 1.	easures as ing risk -International em measure jative -Short Form at assesses inty. /ioral easure that miliar before -5) – a 26-item of PTSD - 5) – a 26-item of PTSD - 5) – a 26-item of PTSD - 5) – a 26-item of PTSD	
Table 1. Descrip			Table 2. E	Bivariate P	earson Cor	
Scale	M	SD		PCL-5	IUS-12	RME
ACE-IQ	5.90	2.43	IUS-12	0.11		

Scale	М	SD		
ACE-IQ	5.90	2.43		
IUS-12	38.76	12.70		
RMBI	20.03	7.19		
PCL-5	10.26	18.34		

Note: ACE-IQ = Adverse Childhood Experiences-International Questionnaire total score; IUS-12 = Intolerance of Uncertainty Scale-Short Form total score; RMBI = **Retrospective Measure of Behavioral Inhibition total score; PCL-5 = PTSD Checklist** for DSM-5 total score.

For more information about this project please contact the presenting author: isaac.g.hahn@gmail.com

## Dispositional Traits and Adverse Childhood Experiences as Correlates of PTSD Symptoms Isaac Hahn, B.Sc., Michelle J. N. Teale Sapach, M.A., & R. Nicholas Carleton, Ph.D. Anxiety and Illness Behaviours Laboratory, University of Regina, Saskatchewan

ACE-IQ	0.39**	0.29**	
RMBI	0.01	0.36**	
IUS-12	0.11		

Note: ACE-IQ = Adverse Childhood Experiences-Inter Questionnaire total score; RMBI = Retrospective Measure **Behavioral Inhibition total score; IUS-12 = Intolerance of Uncertainty Scale-Short Form total score; PCL-5 = PTSD** Checklist for DSM-5 total score. \*p < 0.05, \*\*p < 0.01

0.1

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<ul> <li>Pesults</li> <li>Pescriptive statistics are presented in Table 1.</li> <li>Pearson correlation results for relationships between ACE, IU, BI, and PCL-5 are presented in table 2.</li> <li>Several positive associations were identified, including statistically significant relationships between ACE-IQ and PCL-5, ACE-IQ and IUS-12, ACE-IQ and PCL-5, ACE-IQ and IUS-12 and RMBI. as well as IUS-12 and RMBI.</li> <li>Hierarchical multiple regression analyses are presented in Table 3.</li> <li>Model 1 was not statistically significant (g<sub>[2,135]</sub> = 0.98, p = .38, R<sup>2</sup> = .01.</li> <li>Hosel 2 was not a statistically significant correlate (β = .13, p = .17).</li> <li>AMBI was not significant (β = .02, p = .81).</li> <li>Model 2 was statistically significant, (F<sub>[3,134]</sub> = .05, p, e.01, R<sup>2</sup> = 0.09).</li> <li>ACE-IQ score was the only statistically significant correlate (β = .29, p &lt; .01) in Model 2.</li> <li>HuS-12 was not significant (β = .04, p &gt; .05).</li> <li>Addition of ACE-IQ scores at Step 2 accounted for significantly more variance (AR<sup>2</sup> = .08, AF = .3.61, p &lt; .01).</li> </ul>						<ul> <li>Discussion</li> <li>The current results suggest ACE are associated with PTSD symptoms later in life.</li> <li>ACE may contribute to PTSD by compromising perceptions of safety or exacerbating other risk factors for PTSD.</li> <li>Alternatively, the ACE reported by participants may have been traumatic events (e.g., sexual abuse) causal to the reported PTSD symptoms.</li> <li>Contrary to expectations and previous research, IU and BI were not significant correlates of PTSD.</li> <li>Theoretically, individuals prone to distress by uncertainty and the unfamiliar (i.e., high in IU and BI, respectively) may be at greater risk for developing PTSD or other maladaptive responses to trauma due to the uncertain nature of traumatic events and personal ability to respond to trauma.</li> <li>ACE may interact with and exacerbate trait IU.</li> <li>Low mean trauma levels in the current sample may have impaired ability to detect expected relationships.</li> <li>The current sample was derived from a general population of community members; future research should concurrently and prospectively study the influence of ACE, BI, and IU on PTSD with traumatic</li> </ul>					
ι	Δη – .00, Δι	-5.01, p <						inical samp			
tions	Table 3.	Hierarch	nical Mul	tiple Reg	gress	sion	Analysis	s Predicti	ng PCL-	-5 Scores	5
MBI	Model	Predictor	b	β		t	p	R	<b>R</b> <sup>2</sup>	F	p
	1					00		.12	.01	0.98	.377
		IUS-12 RMBI	0.17 -0.05	.13 02		38 24	.171 .809				
	2		0.00		-0.	£7	.003	.31	.09	4.59	.004
.11*		IUS-12	0.06	.05		53	.595				
ernational easure of		RMBI ACE-IQ	-0.10 2.35	04 .29	-0. 3.4	.49 41	.628 .001				
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Note: ACE = Adverse Childhood Experiences-International Questionnaire total score; RMBI = Retrospective Measure of Behavioral Inhibition total score; IUS-12 = Intolerance of Uncertainty Scale-Short Form total score; PCL-5 = PTSD **Checklist for DSM-5 total score.** 

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