The Contribution of Anxiety Sensitivity to

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PCL-HYP

 βR^2

Posttraumatic Stress Disorder above and beyond Neuroticism

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Introduction Method Results Discussion © Subscales and total scores of the PCI-C_ASI-3 and PANAS Neuroticism (as measured by PANAS-NEG) contributed • Anxiety Sensitivity (AS) is the fear of anxiety-related • Participants included community residents living in and sensations based on the belief that they have harmful around the Regina area (n = 311; women = 224 [$M_{area} = 30.36$; significantly correlated with one another (all ps < .01). significantly to the relationship between AS and PTSD SD = 10.90]; men = 87 [M_{age} = 29.93; SD = 10.89]) recruited consequences (McNally, 1999). (*β*=.44, *p*<.01) through community advertisements. O Women reported significantly higher scores than men on the Q Neuroticism is highly associated with many behaviours O Dimensions of AS include fears of cognitive dyscontrol, avoidance, t[311]=-4.01, p<.01, numbing, t(311)=-2.78, p<.05, commonly seen in PTSD presentation (Shiner et al., somatic sensations, and socially observable symptoms, • Participants completed a battery of online questionnaires and hyperarousal, t(311)=-3.36, p<.01, symptom cluster 2003). which have been posited to contribute differentially to scores; however, the effect sizes were small (.05, .01, and .04 including: posttraumatic stress disorder (PTSD) and PTSD symptom @ The PTSD Checklist - Civilian Version (PCL-C; Weathers et respectively). © Consistent with previous research, ASI-SOM contributed al., 1994), a 17-item self-report measure assessing PTSD clusters (e.g., hyperarousal, avoidance/numbing, differentially to reexperiencing, numbing, and hyperarousal reexperiencing; Collimore et al., 2008). The first two analyses utilized PCL-C total scores as the symptom severity (i.e., PCL-RXP, PCL-AVD, PCL-NMB, symptoms, proving to be the more robust predictor of PTSD dependent variable and alternated ASI-3 total scores and symptoms among AS dimensions. PCL-HYP). Dimensions of AS have been shown to correlate ← The Anxiety Sensitivity Index – 3 (ASI-3; Taylor et al., PANAS subscale scores in the first step (see Table 1). differentially with neuroticism (Cox et al., 1999). 2007), an 18-item self-report measure and is comprised Each predictor variable contributed significantly to PCL-C ASI-SOC contributed significantly to neither PCL-C total of three subscales: fear of cognitive dyscontrol (ASI-COG), scores nor any of the PTSD symptom clusters. total scores. Neurotic behaviours (e.g., increased anxiety) have also been fear of somatic sensations (ASI-SOM), and fear of socially The order of inputting variables did not change the Results were equivocal relative to previous research recognized as being common amongst individuals with PTSD observable symptoms (ASI-SOC). variance accounted for by each of the predictors in step 2 (Collimore et al., 2008), and may be due to trauma type The Positive and Negative Affect Scale – Expanded Form (Sexton et al., 2003). of the analysis. within the sample population. (PANAS; Watson et al., 1994), a 60-item self-report The contribution of AS to PTSD symptom severity and measure to assess an individual's tendency toward The remaining five analyses utilized PCL-C total and symptom These findings provide additional evidence of a robust link maintenance above and beyond neuroticism remains negative affect (PANAS-NEG) or positive affect (PANAScluster scores as dependent variables. PANAS subscale scores between somatic sensations and PTSD, and indirectly unclear POS) within "the past few weeks". were inputted in step 1, and ASI-3 subscale scores in step 2 support treatment options such as interoceptive exposure (see Table 2). when treating PTSD. Given the overlap between AS and neuroticism, as well as Consistent with previous research (e.g., Rusting et al., 1997), ASI-SOM was a significant predictor of all dependent their close relationship to PTSD, the current study examined negative affect (NA) was used as a proxy for neuroticism. variables except PCL-AVD. Limitations include the cross sectional nature of the data, as the relationship between AS dimensions and PTSD ASI-COG only significantly predicted PCL-HYP. well as differences in sample sizes amongst men and symptoms (e.g., hyperarousal, avoidance, numbing, re-A series of seven hierarchical regression analyses were run ASI-SOC failed to significantly predict any dependent women. Given these differences, the findings may be more

variables.

variables.

PANAS-NEG significantly predicted all dependent

Model	Independent Variables	Dej	pendent Vari		Independent	Dependent Variable PCL-TOT				
		ß	(• <i>R</i> ²) •	F	Variables	β	<i>R</i> ²	F		
1	PANAS-NEG	.57**	**		ASI-TOT	.52**	.27	111.41**		
	PANAS-POS	12**	.38	92.72**						
2	PANAS-NEG	.44**	.42	72.54**	ASI-TOT	.24**		72.54**		
	PANAS-POS	09**				.44**	.15			
		.24**			PANAS-POS	09**				

utilizing PCL-C total and symptom scores as dependent

independent variables.

variables and ASI-3 and PANAS total and subscale scores as

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^{or}Regina

experiencing) while accounting for variance attributable to

neuroticism.

PCL-TO1 PCL-RXI PCL-AV PCL-NME $R = R^2$ R^2 в

Table 2: Subscale Hierarchical Regression Analyses

	PANAS-NEG	.09***	20	00 5000	.50***		57.86**	.40**		31.99**	.51**	25		.50	.36	87.76**	
2	PANAS-POS	10**	** ** ** .42	92.72**	06	* 3 * .04	57.86**	06	.17	31.99**	18**	.05 39.71**	81.06**	11*	.36	8/./6**	
	PANAS-NEG	.46**			40**			.30**			.39**			.48**			
	PANAS-POS	09**			03			04	.09 .20	14.81**	15**		09				
	ASI-SOM	.16**			.14*			.09			.16**		39.71**	.14* .4	.40	40.70**	
	ASI-COG	.12			.10			.04			.11			.13*			
	ASI-SOC	.01			.00			.09			.02			05			
	* p<.05; **p<.01																
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			D	roconto	d at th	A Anvi	oty Dice	rdore	Accori	ation of	Amori	co () nn	ual Com	forone	o Polt	more 7	010

generalizable for samples of women.