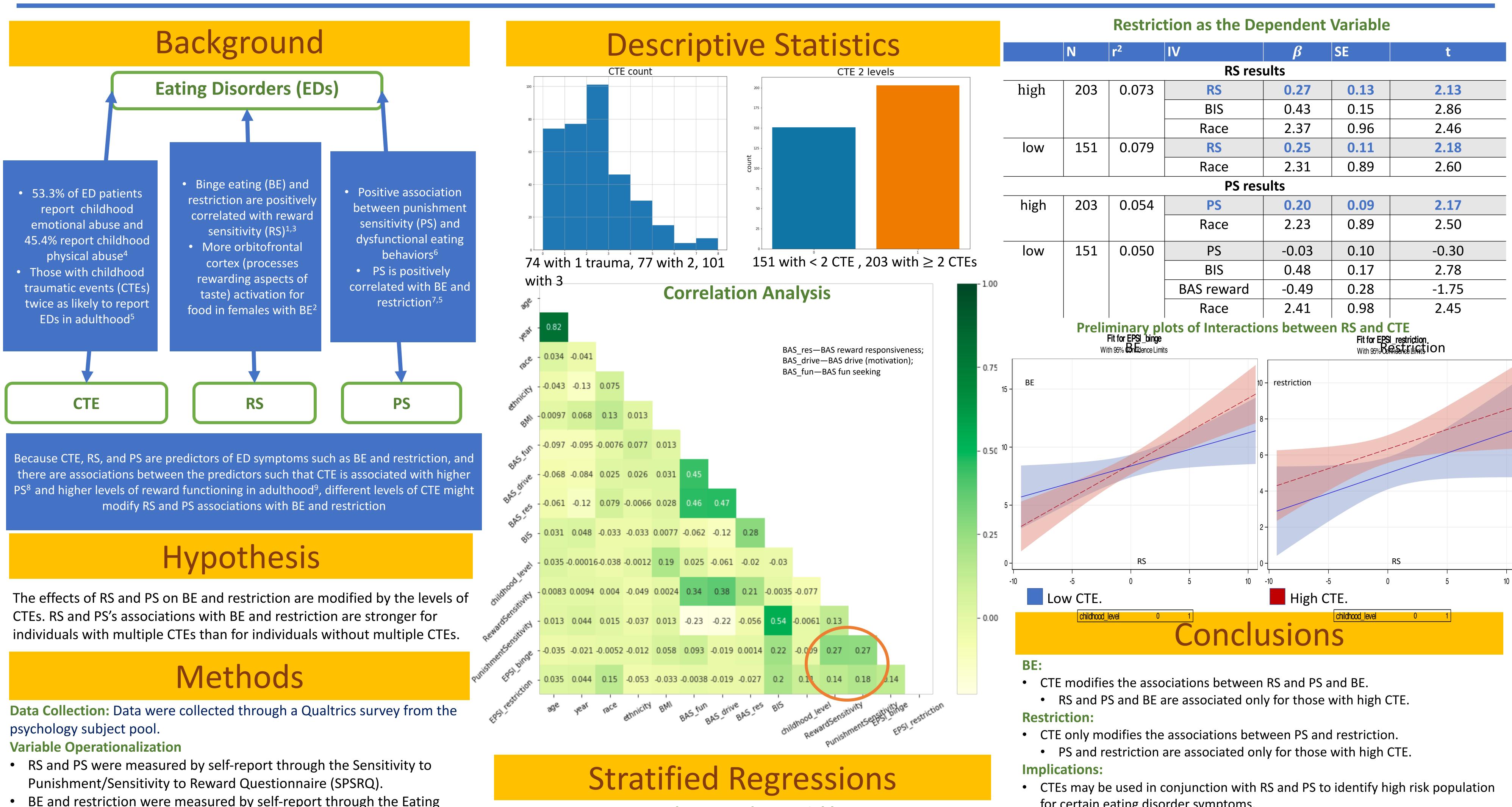
# **Childhood Trauma's Modifying Effect on Reward and Punishment Sensitivities' Associations with Eating Disorder Symptoms**

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- BE and restriction were measured by self-report through the Eating Pathology Symptoms Inventory (EPSI).
- CTEs were measured by self-report through the Childhood Traumatic
  - Event Scale (CTES). CTE was defined as a binary measure of two levels
  - 0 = reported < 2 CTE, low CTE

•  $1 = reported \ge 2 CTE$ , high CTE Analysis: Linear regression models stratified by CTE group status including covariates of age, BMI, year in school, race, ethnicity, Behavioral Activation System (BAS) and Behavioral Inhibition System (BIS).

- A separate regression was completed for BE and restriction as outcomes
- Separate regression were also completed for RS and PS as independent variables

## Participants

Participants (N=391) for this study are biological females older than 18 ye old ( $\mu = 18.67, \sigma = 4.32$ ). Only responses from participants who complete the study surveys are used in the analysis (N=354). Most participants are years college students (58.2%), Caucasian (68.9%), and non-Hispanic (92.1%) The regression tables only include covariates with p < 0.5. The target predictors (RS and PS, shaded with BMI  $\mu = 22.6, \sigma = 4.1$  . gray) are bolded and colored blue if they are significant.

			BE	as the Depen	dent Vai	riable		
CT	E	Ν	r <sup>2</sup>	IV	β	SE	t	
	RS results							
	high	203	0.17	RS	0.68	0.13	5.40	
				BIS	0.51	0.13	3.90	
	low	151	0.11	RS	0.22	0.14	1.63	
				BIS	0.47	0.169	2.95	
				BAS Fun	0.69	0.24	2.82	
				BAS reward	-0.69	0.29	-2.40	
				BMI	0.42	0.19	2.25	
			_	PS res	ults			
I	high	203	0.13	PS	0.39	0.11	3.58	
				BAS Fun	0.46	0.23	2.02	
	low	151	0.10	PS	0.07	0.11	0.68	
				BIS	0.43	0.18	2.39	
				BAS Fun	0.76	0.24	3.15	
				BAS reward	-0.70	0.29	-2.43	
				BMI	0.45	0.19	2.43	

- for certain eating disorder symptoms.
- Develop possible interventions targeting individuals with both high CTE and high RS and PS.

### Limitations:

- Temporal sequence of events are assumed.
- Participants could have different definitions for CTE and the CTEs are selfreported.
- Behavioral measures of reward other than self-report might be helpful.
- If longitudinal data could be obtained, a mediation model with RS and PS as

### mediators carrying the effects of CTEs might fit better. References

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