

## Introduction

- Resiliency increases can be used as a measure of overall Mental Wellness and likelihood remission from PTSD and (Connor, 2006)
- Post Traumatic Growth is generally defined as a blanket term for the desirable, mental change directly developed by difficulty of navigating extreme life events (Kou, 2021).
- Unique opportunity to widely study protracted stressor (Covid-19 Pandemic) with varying levels of isolated yet related HMS events
- Currently in development: **Coronavirus Anxiety Scale** (**CAS**; Lee, 2020) measures anxiety about Covid-19 via Psychology of Fear and Anxiety, not stress related to its affected *experiences*

### **Prior Research**

- This study set out to expand upon Thomas (2020), the first at the time to investigate EI's affect as a mediator upon CER and PTG.
- Mixed Trauma Sample, all N at least one HMS
- Thomas's findings:
- Correlations:
  - Positive & Significant- All adaptive CERQ strategies: El
  - Positive & Significant- All adaptive CER strategies : PTG
- Mediation:
  - Significant & Direct Effects on PTG: CERQ Acceptance, CERQ Positive Reapraisal
  - Significant & Indirect Effects on PTG (*ie. mediation*): CERQ Positive refocusing, CERQ refocusing on planning

## Methods

- N= 67 Adults, Mean age of 25.70 (SD= 8.435)
- Students (90%); Female (78.7%)
- White/Caucasian (46.7%), Asian/Pacific Islander (16.7%), Hispanic/Latino (15%), and Black (3.3%) respondents
- **Relationship** Status: condensed into **Single/Other** (62.30%) & Cohabiting (37.70%)
- **HMS** events reported (92.5%), **TS** events reported (92.5%)

### SurveyMonkey

### 4 Scales, 3 Demographic indices

Found no pre-existing measures of Covid Scale nor Grief, created measures to extend study of stress' impact upon PTG

- Trauma History Screen (THS; Carlson, 2011) explores exposure to High Magnitude Stressors (HMS) and Persistent Posttraumatic Distress (PPD) occurrences.
- **Post Traumatic Growth Inventory** (**PTGI**; Tedschi, 1996) measures positive outcomes following traumatic stress.
- Cognitive Emotional Regulation Questionnaire (CERQ; Garnefski, 2007) measures participants' conscious engagement of cognitive processes that contribute to emotional control during threatening or stressful life events, independent from behaviors.
- Assessing Emotions Scale (AES/SREIS; Goldenberg, 2006) measures multiple aspects of **Emotional Intelligence (EI)**, formated from an agility model framework
- Demographics C (Covid Shutdown, Covid Changes, &, Covid Health) participants rank the impact level of varying **COVID**-related items to represent overall burden of experience upon participant's life; includes Grief measures.

Data was analyzed using ANOVAs and Pearson's Correlations via a statistical analysis calculating software, IBM SPSS v.26 Statistics

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# Growth in Adults through the Covid-19 Pandemic Bakima Ssebanakitta & Dr. Jillene Seiver, PhD

		Key Terms
	PTG CER EI TS	Post Traumatic Growt Cognitive Emotional F Emotional Intelligence Traumatic Stressor (H
		Hypothesis
$H_1$ : Strong positive correlation between CER and PTG		
H <sub>2</sub> : Strong positive correlation between adaptive CER str	rategies and I	ΞΙ
H <sub>3</sub> : Slightly positive correlation between TS and CER, EI	, PTG	
H <sub>4</sub> : Slightly positive correlation between Grief and EI, CE	ER, <b>PTG</b>	
H <sub>5</sub> : Positive correlation Covid measures and PTG		
H <sub>6</sub> : Support (via. Relationship) correlated with EI and P	TG	
H <sub>7</sub> : Negative correlation TS and PTG		
H <sub>8</sub> :Positive correlation EI and PTG		
H <sub>9</sub> :No correlation PTG and Covid impact Health		
$H_{10}$ :Slightly positive correlation TS and HMS with CER, E	EI, and <b>PTG</b>	
		Results: ANOV





Results: Correlations						
	1	2	3	4		
	0.203	.316**	.319*	-0.198		
		0.164	0.107	-0.217		
LIFE			.768**	0.151		
OWNxLIFE				0.078		

Alpha level <.05 was used for all analyses

## Discussion

• Thomas' 2020 study qualifier of at least one traumatic event met by Covid-19 pandemic, advanced by addition of 10th percentile qualification of at least one additional TS event. Study expanded by mixed trauma samples within each dataset.

### Supported Hypotheses

- H<sub>4</sub>: <u>Grief from Shutdown x El</u>
- **H**<sub>4</sub>: Grief from Changes x EI (*F*(1, 38) = 2.65, *p*=.084,  $\eta_n^2$  = .12)
- $\circ$  **H**<sub>A</sub>: Grief from Shutdown x Grief from Changes x El
  - $(F(3, 38) = 2.54, p = .071, \eta_{p}^{2} = .17)$
- H<sub>6</sub>: <u>Sex x Relationship Group x El</u>
- H<sub>c</sub>: <u>PTG x Covid Impact on Life, PTG x Covid Shutdown</u>
- **H**<sub>a</sub>: PTG X Covid Impact Health (p = .072)

• Covid & Grief effects on individual growth may relate to Narratives or value amount surrounding Covid &/or grief as an experience (Michalchuk, 2019; Jirek, 2017). • If narrative is internal, CER analysis will expand (potential implications of trauma centrality and threat to core beliefs) (George, 2016; Groleau, 2012). • **Growth** may also be attributed Time [since shutdown, of prolonged HMS]

- (Harms, 2007).
- The **Covid** questionnaires developed may be able to be investigated as a separate scale in relation to widespread epidemics or pandemics as HMSs
- Strong correlations PTG, not reflected in (potentially independent of) THS • **Grief** may be a useful eustress measure to investigate, alternatively, grief may be best recognized by those scoring higher in **EI**
- Future Studies with larger datasets will emphasize further analysis of CER, in duplication and deeper investigation of PTG through Covid. Preliminary correlations partially supporting Thomas' 2020 study.

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