

# Resilience and Wellbeing and its Relationship to Posttraumatic Stress and Growth in the Experience of Stressful/Adverse Events in Adults.

Julie Ann Pooley PhD Edith Cowan University

# Post Traumatic Stress (PTS)

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- Most researched.
- As a result of trauma/adversity.
- The Impact of Event Scale (IES, IES-R).
- 21 item self-report measure.
- A recent meta-analysis of 66 studies.
- IES as a general, reliable, and valid self-report measure for assessing psychological distress reactions after negative life events.
- As a result of the revisions, the IES-R includes items which represent all three DSM-IV PTSD symptom intrusion, avoidance and hyperarousal.

# Post Traumatic Growth (PTG) ECULAR POST Traumatic Growth (PTG)

- Experience positive psychological changes and growth as a result of stress/trauma.
- Stress-related growth, perceived benefits, thriving, positive adaptation.
- Tedeschi, Park and Calhoun (1998) defined posttraumatic growth as positive psychological change experienced as a result of the struggle with major life crises or traumatic events.
- Posttraumatic Growth Inventory (PTGI).
- The 21-item scale assesses dimensions related to new possibilities, relating to others, personal strength, spiritual change, and appreciation of life.
- The PTGI has since been utilised effectively with diverse samples such as hospital trauma victims, breast cancer patients, heart disease and seasonal disaster populations.

# Subjective Wellbeing (SWB) ECU

- Subjective wellbeing is resultant from cognitive-affective factors and is a product of how an individual evaluates life satisfaction using cognitive and emotional processes.
- Subjective wellbeing can be described as how satisfied an individual is with a certain circumstance (cognitive) as well as the presence of positive emotions (affect) regarding those circumstances.
- Psychological well-being is a relatively stable construct which captures those aspects of human functioning which are likely to lead to adaptive human functioning and positive experiences.
- The Psychological Well-being Scale (PWB) (Ryff, 1989; 1995) was designed to measure six theoretically motivated constructs of psychological well-being.

# Resilience (RSA)



- Commentators from many different domains.
- Many understandings and definitions based on theorists different perspectives and training and/or research interests.
- 'the potential to exhibit resourcefulness by using available internal and external recourses in response to different contextual and developmental challenges' (Pooley & Cohen, In press).
- Most agree a minimum of two aspects:
  - Adversity
  - Competence/adaptation as a result of the adversity
- Resilience Scale for Adults (RSA) 33 items covering five dimensions: personal competence, social competence, family coherence, social support and personal structure.

# Rationale



- Lifetime prevalence of major stressful and traumatic is 69% of the general population reporting an occurrence of at least one stressful or traumatic event during their lifetime.
- Many people do well, that is they do not develop PTS.
- Argue for an understanding across different adverse/traumatic events.
- Adverse situations can constitute a potential threat to well-being and the normal healthy development.
- This then argues for clarity in the relationships between resilience, stress, growth, and well-being (Hobfoll, Hall, Canetti-Nisim, Galea, Johnson & Palmieri, 2007; Pat-Horenczyk & Brom, 2007).



# Research Aims



The aim of the current research is to explore the relationships between stress, posttraumatic growth, resilience and wellbeing in relation to different stressful/adverse life events.

The research questions are

- Is there a relationship between post traumatic growth, post traumatic stress, resilience and wellbeing?
- Does post traumatic growth, wellbeing post traumatic stress and predict resilience.
- Is there a difference between the type of adverse event and the experience of resilience, wellbeing, post traumatic growth and post traumatic stress?

### Instruments



- 1. The Posttraumatic Growth Index (PTGI) (Tedeschi & Calhoun, 1996). Reliability (.9).
- 2. The Impact of Events Scale Revised (IES-R) (Weiss & Marmar, 1997). Reliability (.84-.91).
- 3. The Resilience Scale for Adults (RSA; Friborg et al., 2003). ). Reliability (.83-.9).
- 4. The Scale for Psychological Wellbeing (SWB) (Ryff, 1989; Ryff & Keyes, 1995) Reliability (.83-.91).
- In addition participants will be asked to respond to demographic items and indicate the type of adversity/trauma they have experienced. These adverse events/traumas include 11 specific traumatic events (e.g. natural disaster, divorce, death of a loved one) are based upon similar items listed in the studies by Tedeschi and Calhoun (1996), and Vrana and Lauterbach (1994).

# Procedure



- Participants were recruited via Mail drop through Australia Post. Randomly picked suburbs in WA (inc. country locations).
- Reply- paid
- Response Rate approx 25%



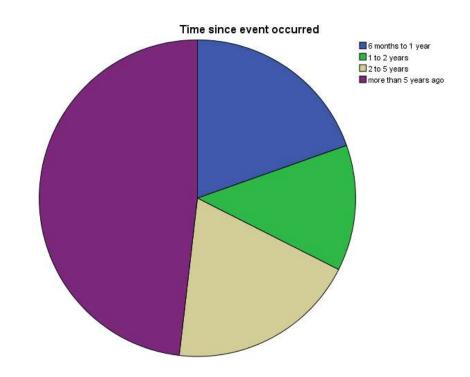


Respondents

Total 502

Female 77% (382)

Male 22% (109)



# Scale Information



Scale	Mean	SD	Reliability
PTGI	54.57	23.27	.93
IES	42.73	18.68	.93
RSA	167.86	30.39	.93
SWB	189.04	29.35	.95

# Is there a relationship between PTG, PTS, RSA, and SWB?



- Growth + correlated with
  - SWB .237, p<.000
  - RSA .190, p<.000
  - Time .126, p=.007
- Stress correlated with
  - SWB -.450, p<.000
  - RSA -.474, p<.000
  - Time -.133, p=.005
  - Age -.093, p=.047

- Resilience correlated with
  - IES -.474, p<.000
  - SWB .794, p<.000
  - PTG .190, p<.000
- Well-being correlated with
  - IES -.450, p<.000
  - PTG .237, p<.000
  - RSA .794, p<.000

### Does PTG, PTS and SWB predict RSA?



R<sup>2</sup> 66.7%

#### Coefficientsa

		Unstandardized Coefficients		Standardized Coefficients		
Model		В	Std. Error	Beta	t	Sig.
1	(Constant)	37.669	7.657		4.920	.000
	ies.total	246	.054	153	-4.536	.000
	swb.total	.738	.035	.733	21.291	.000
	ptgi.total	.019	.039	.015	.494	.621

a. Dependent Variable: res.total

### Does PTG, PTS and RSA predict SWB?



#### R<sup>2</sup> 64.3%

#### **Coefficients**<sup>a</sup>

				Standardized		
		Unstandardized Coefficients		Coefficients		
FEMALE	Model	В	Std. Error	Beta	t	Sig.
1	(Constant)	39.778	9.036		4.402	.001
	ies.total	219	.063	138	-3.476	.000
	swb.total	.737	.040	.733	18.210	.000
	ptgi.total	021	.045	017	.464	.643

a. Dependent Variable: res.total

#### R<sup>2</sup> 77.0%

#### Coefficientsa

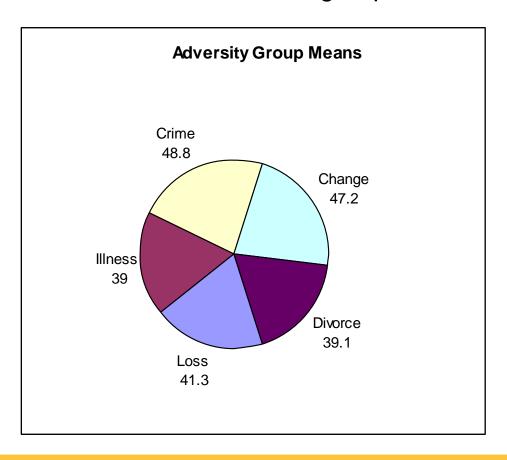
				Standardized		
		Unstandardized Coefficients		Coefficients		
MALE Mod	del	В	Std. Error	Beta	t	Sig.
1	(Constant)	43.019	14.280		3.013	.003
	ies.total	404	.105	241	-43.859	.000
	swb.total	.685	.066	.683	10.340	.000
	ptgi.total	.182	.078	.135	2.347	.021

a. Dependent Variable: res.total

# Difference between the type of adverse event and the common experience of PTG, PTS, RSA and SWB?

AUSTRALIA

ANOVA revealed differences between groups for stress only



# Discussion



- Growth and Stress not related, this is unusual.
- Time correlated (IES and PTG), ANOVA reveals there is a significant difference between.
- Age correlation evidenced in some lit.
- Resilience and well-being.

# Discussion



- Limitations consistent with most of the research in - retrospective, crosssectional, female dominated
- Information on subscales.
- Factor Analysis needs doing.
- Severity of trauma not taken into account
- Small numbers across trauma groups.
- Gender analysis

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Presented by:

Julie Ann Pooley PhD

School of Psychology and Social Science

**Edith Cowan University** 

Joondalup, Western Australia, 6027

Email: j.pooley@ecu.edu.au

Member of the Lifespan Resilience Research Group

http://www.psychology.ecu.edu.au/research/lifespan-resilience/