4-26-2019

The Dimensional Relationship Between Age of First Traumatic Exposure and Perceptions of Control: A Pilot Study

Ellen L. Gruebbeling
University of Missouri-St. Louis, elg3n3@mail.umsl.edu

Miranda Jany
University of Missouri-St. Louis, mnjd45@mail.umsl.edu

Carissa Philippi
University of Missouri-St. Louis, philippic@umsl.edu

Follow this and additional works at: https://irl.umsl.edu/urs

Part of the Psychology Commons

Recommended Citation
https://irl.umsl.edu/urs/21

This Poster is brought to you for free and open access by the UMSL Undergraduate Works at IRL @ UMSL. It has been accepted for inclusion in Undergraduate Research Symposium by an authorized administrator of IRL @ UMSL. For more information, please contact marvinh@umsl.edu.
The Dimensional Relationship Between Age of First Trauma and Perceptions of Control: A Pilot Study
Ellen L. Gruebbeling¹, Carissa L. Philippi¹ & Miranda N. Jany¹
¹Department of Psychological Sciences, University of Missouri-St. Louis

INTRODUCTION
• An earlier age of trauma has been associated with greater psychological impairments, such as increased risk of psychopathology and greater distress in adulthood1-3,7.
• Previous studies have found that trauma exposure is linked to deficits in control4.
• Individuals who experience trauma earlier are more likely to have impairments in internal control6.
• However, the association between age of first traumatic exposure and control, specifically Self-Agency, is unclear.
• Self-Agency can be defined as the sense of control one has over their actions and/or thoughts5.

METHODS AND MATERIALS
Participants
• Fourteen healthy adult participants (Table 1) were recruited from the University of Missouri-St. Louis. Data collection is still ongoing.

Life Stressors Checklist (LSC-R)7
• A 30-item questionnaire which examines exposure to traumatic and stressful events (e.g. jail time, neglect) from the University of Missouri-St. Louis. Data collection is still ongoing.

Computer Based Attribution of Self-Agency (SA) Task8,9
• A computer based where participants were asked to rate their perceived control after moving a box on the computer in various noise conditions (0%, 30%, 75%, 90%, 100%).

Beck Depression Inventory (BDI-II)10
• A 21-item questionnaire which assesses depression severity over the past two weeks.

Beck Anxiety Inventory (BAI)11
• A 21-item questionnaire which assesses anxiety symptoms over the past month.

Posttraumatic Checklist for DSM-5 (PCL-S)12
• A 20-item questionnaire which assesses PTSD symptoms over the past month.

RESULTS
• Results indicate that participants had a range of age of trauma from two to 21.
• Preliminary results show that there were statistically significant differences between age of trauma and agency ratings, such that earlier age of trauma predicted higher ratings of average control within all five conditions, t(12) = -2.30, p = .040 (Figure 1).
• Earlier age of trauma did not predict depression (t(12) = -1.06, p = .311; Figure 2), anxiety (t(12) = -1.06, p = .312; Figure 3), or PTSD psychological symptom scores (t(12) = .02, p = .981; Figure 4).

PRELIMINARY CONCLUSIONS
• An earlier age of trauma is associated with an increased sense of agency, whereas, an earlier age of trauma was not predictive of psychological symptom scores (PTSD, depression, anxiety).
• These results suggest that earlier exposure to trauma may be associated with greater deficits in control later in life, possibly leading to excessive control rather than decreased perceptions of control.

FUTURE DIRECTIONS
• As data collection is ongoing, we will continue to examine the relationship between age of first trauma and perception of control, as well as its relationship to psychological disorders.
• Future studies could also consider how trauma type affects perceptions of control and Self-Agency.

REFERENCES

Table 1. DEMOGRAPHIC INFORMATION

| N   | 24.00 (9.54) | Gender | F: 12, M: 2 |

Figure 1. Average Perceptions of Control by Age of First Trauma
Figure 2. PCL-5 Score by Age of First Trauma
Figure 3. BAI Score by Age of First Trauma
Figure 4. BDI-II Score by Age of First Trauma