

The Relationship between Experiencing Shocking and Non-Shocking Life Events and the Onset of Major Depression among Individuals without Depression 12 Months Ago



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Introduction

- Two significant risk factors for developing major depression are experiencing major life events (defined as shocking events) and experiencing major life stressors (defined as non-shocking events) (Kendler 1995, Slavich 2014).
- The majority of individuals with major depression experienced negative life events in the 6 months before its onset (Kohn 2001).

Research Questions

- Is experiencing a shocking/non-shocking event significantly associated with the onset of major depression?
- Which type of event is more strongly associated with developing major depression?

+ However, existing studies only look at either shocking or non-shocking events and their

association with the onset of major depression. These two types of events are never compared.

Methods

Sample

- Individuals who did not have major depression over 12 months ago (n=36,042) were drawn from Wave 1 of the National Epidemiologic Survey on Alcohol and Related Conditions (NESARC).
- NESARC is a nationally representative sample of non-institutionalized U.S. adults.

Measures

- Major depression prior to and during the last 12 months was assessed using the NIAAA, Alcohol Use Disorder and Associated Disabilities Interview Schedule DSM-IV (AUDADIS-IV).
- + Having experienced a shocking event is defined as experiencing at least one of the three specified shocking events in the past 12 months.
- + Having experienced a non-shocking event is defined as experiencing at least one of the three specified non-shocking events in the past 12 months.

Results

Univariate

Multivariate

Relationship Between Depression and Experiencing Shocking and Non-Shocking Events

- 38.0% of individuals who did not have major depression over 12 months ago experienced a shocking event.
- 15.5% of individuals who did not have major depression over 12 months ago experienced a non-shocking event.

Bivariate

- Chi-Square analysis showed that individuals who experienced a shocking event were significantly more likely to have developed major depression (3.6%) than those who didn't experience a shocking event (1.3%), X²=202.3, 1 df, p<.0001.
- Chi-Square analysis showed that individuals who experienced a non-shocking event were significantly more likely to have developed major depression (5.5%) than those who didn't experience a non-shocking event (1.6%), X²=331.8, 1 df, p<.0001.
- Logistic regression analyses showed that experiencing a shocking event (O.R. 2.32, CI: 2, 2.7, p<.0001) is significantly and positively associated with odds of developing major depression after controlling for experiencing a nonshocking event, age, and biological sex (Fig. 2).
- Logistic regression analyses showed that experiencing a non-shocking event (O.R. 2.55, CI: 2.18, 2.98, p<.0001) is significantly and positively associated with odds of developing major depression after controlling for experiencing a shocking event, age, and biological sex (Fig. 2).
- Biological sex (O.R. 1.72, CI: 1.48, 2, p<.0001) is significantly and positively associated with odds of developing major depression, with women having an

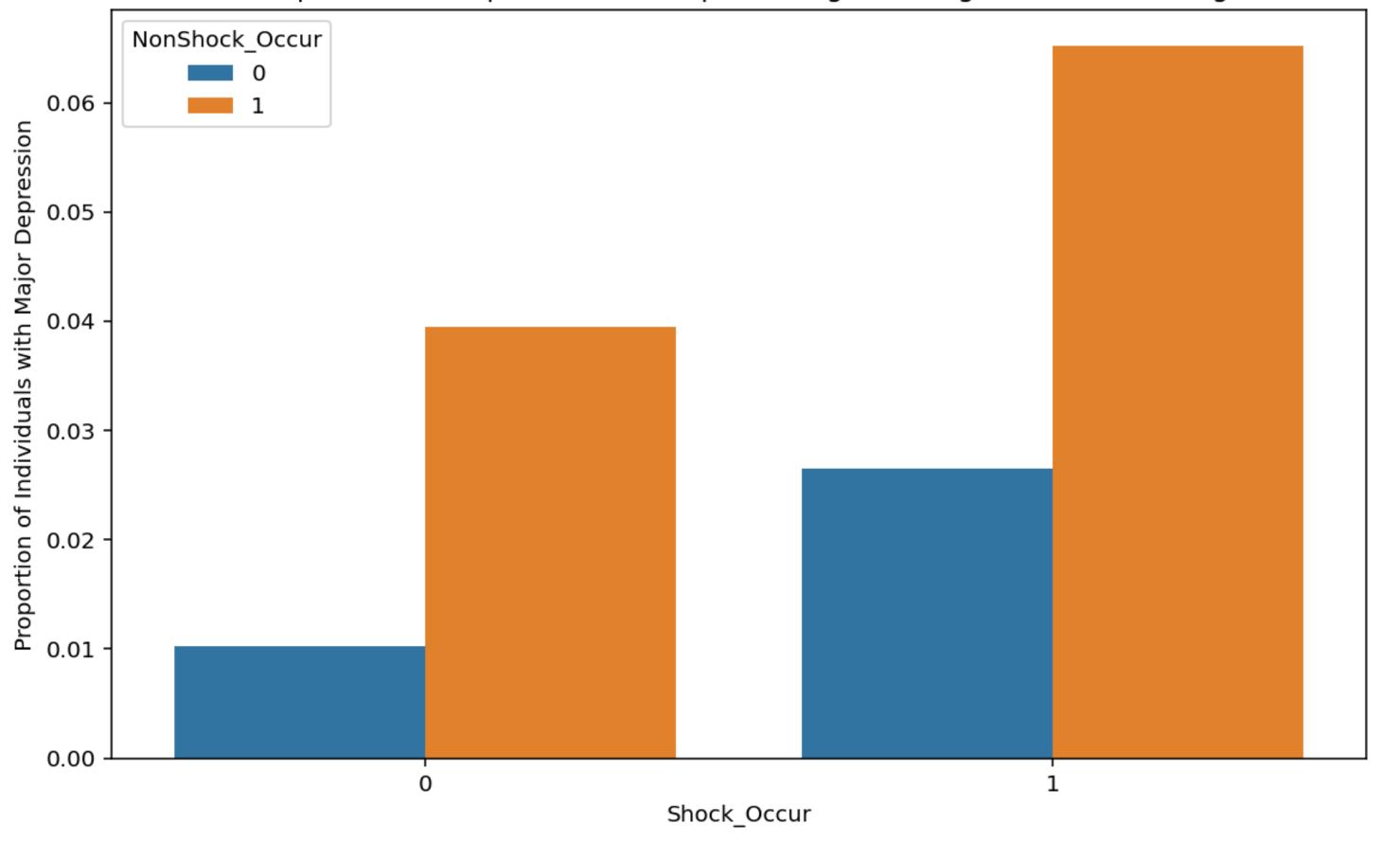


Figure 1: Relationship Between Depression and Experiencing Shocking and Non-Shocking Events

Predicted Probability of Having Depression by Shocking and Non-Shocking Events

Discussion

- Experiencing a shocking/non-shocking event is significantly and positively associated with the onset of major depression.
- However, experiencing a non-shocking event is more strongly associated with developing major depression as compared to a shocking event.
- These results may allow mental health professionals to make more informed decisions regarding patients who have experienced major life events.
- Further research is needed to determine whether the presence of other mental illnesses is also associated with the onset of major depression.

expected odds that is 1.72 times higher than men, holding all other variables fixed.

References

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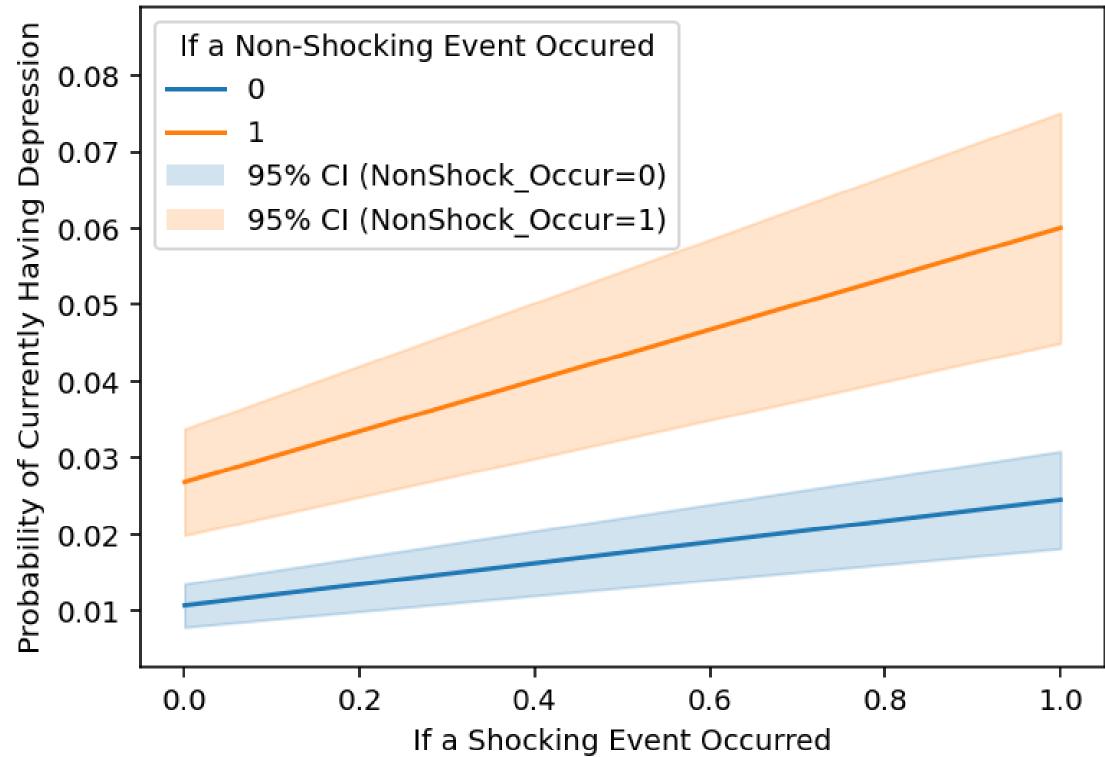


Figure 2: Predicted Probability of Having Depression by Shocking and Non-Shocking Events