Anhedonia, emotional numbing, and symptom overreporting in male veterans with PTSD

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Abstract

We used measures of positive affect and emotional expression to distinguish and better understand veterans with PTSD with symptom overreporting presentation styles. Based on prior research, symptom overreporting was defined as scores greater than eight on the $F_p$ (Infrequency-Psychopathology) scale of the Minnesota Multiphasic Personality Inventory-2 (MMPI-2). Data were drawn from an archival dataset of 227 combat veteran outpatients. Results were consistent with theory and research on the distinction between negative and positive affect. Major findings indicated that (a) veterans endorsing greater anhedonia had a greater likelihood of being classified as a symptom overreporter (controlling for PTSD symptoms), and (b) compared to non-symptom overreporting veterans, overreporters showed greater congruency in their presentation of diminished positive affect and their expression across self- and clinician-ratings. Our data suggest that diminished positive emotions and their behavioral expression are uniquely associated with veterans’ psychological experiences, providing insight into the nature of symptom overreporters.

Keywords: Post-traumatic stress disorder; Anhedonia; Emotional numbing; Positive emotions
1. Introduction

Despite an innovative framework proposed by Litz (1992), it is only recently that emotional numbing and anhedonia have received empirical attention in studies of post-traumatic stress disorder (PTSD). In contrast to PTSD symptoms that focus on negative affect (e.g., re-experiencing, avoidance, and hyperarousal clusters; depressed mood), emotional numbing and anhedonia focus on (diminished) positive affect. Anhedonia reflects a relative absence of enjoyment and reduced motivation to engage in pleasurable life activities (American Psychiatric Association, 1994). Emotional numbing is a constellation of PTSD symptoms including markedly diminished interest in usual activities that produce pleasure, feelings of detachment from others, and restricted emotional expression (APA, 1994). However, more recent experimental studies suggest that emotional numbing primarily reflects diminished positive affect and a reduced tendency to express emotion behaviorally (Litz, Orsillo, Kaloupek, & Weathers, 2000; Orsillo, Batten, Plumb, Luterek, & Roessner, 2004). Emotional numbing and anhedonia may be important dimensions of psychopathology as data suggest that the experience and expression of positive and negative affect are relatively independent with different correlates and functions (Fredrickson, 1998). Unlike negative emotions, which narrow people’s responses to specific behaviors like fight or flight, positive emotions appear to broaden people’s momentary thought-action repertoires (e.g., more efficient, creative, and fluid thinking) and build durable resources such as social bonds and greater resilience to difficult life circumstances. Further examination of diminished positive affect and emotional expression may provide insight into the underlying nature of PTSD. We examined whether diminished positive emotions and their behavioral expression provide unique information in understanding the self-presentation style and psychological functioning of veterans with PTSD above and beyond negative emotions, thoughts, and behaviors.

Veterans exposed to combat-related trauma vary in how they present their psychological and social functioning to others. Whether characterological or not, individual differences in presentation styles are an important mechanism in understanding the phenomenology, assessment, and treatment of veterans returning from combat. There are ongoing controversies about a subset of combat veterans who may misrepresent their symptoms intentionally or unintentionally due to reasons ranging from poor insight to secondary gains (e.g., seeking disability-related financial compensation) that can interfere with the accurate assessment of PTSD and other dimensions of psychological functioning (McNally, 2003; Rosen, 2004). In this study, we examined whether diminished positive affect and emotional expression provide unique insight into the concept of symptom overreporting, a presentation style commonly found in veterans with PTSD. We examined whether ratings of diminished positive affect and emotional expression are able to reliably differentiate individuals with and without symptom overreporting styles across self-report and interview methodologies. A better understanding of the full range of positive and negative functioning of people scoring high on widely used measures of symptom overreporting, exaggeration, and/or malingering can begin to address the psychiatric profiles of veterans with PTSD who vary in response style. To date, there is minimal knowledge on the phenomenology of symptom over-reporting in PTSD.

Apparent symptom exaggeration is a self-presentation style that can potentially undermine empirical research and clinical work. Without attending to this facet of individual differences, people reporting similar levels of elevated psychopathology with different underlying motives are...
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