

Social Cognition Across Eating Disorders: A Systematic Review



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Introduction

- Eating disorders (EDs) are serious psychiatric conditions with high rates of mortality.
- Although advances in research have increased the understanding of the pathophysiology of EDs, treatment outcomes are still poor (Bergh et al., 2013; Linardon et al., 2017).
- Further investigation of mechanisms contributing to the onset and maintenance of EDs is critical.
- One area of increasing focus is social cognition which refers to the cognitive processes involved in social interactions.
- The goal of this review was to examine the current literature on social cognition across eating disorders.

Methods

- Keywords were identified using a framework of social cognition outlined by previous research (Caglar-Nazali et al., 2014; Savla et al., 2012) and subsequently used to search for relevant studies in three online databases.
- Studies were screened based on a priori inclusion/ exclusion criteria.

KEYWORDS: "social cognition", "theory of mind", "social perception", "social knowledge", "attributional bias", "emotion perception", "emotion processing", "eating disorder", "anorex**", "bulim**", "binge eating disorder"

Note: asterisk indicates variable endings

Results

Figure 1: Social Cognition Across EDs

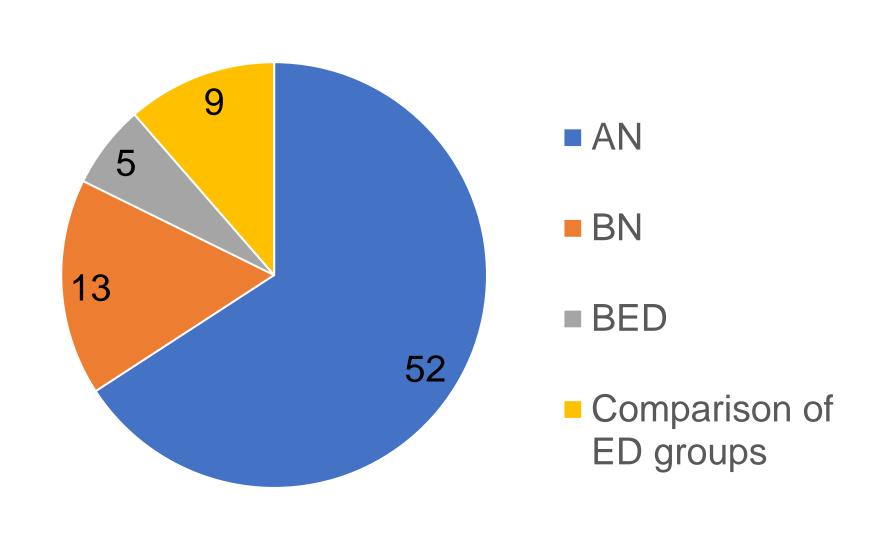


Figure 2: Social Cognition Themes

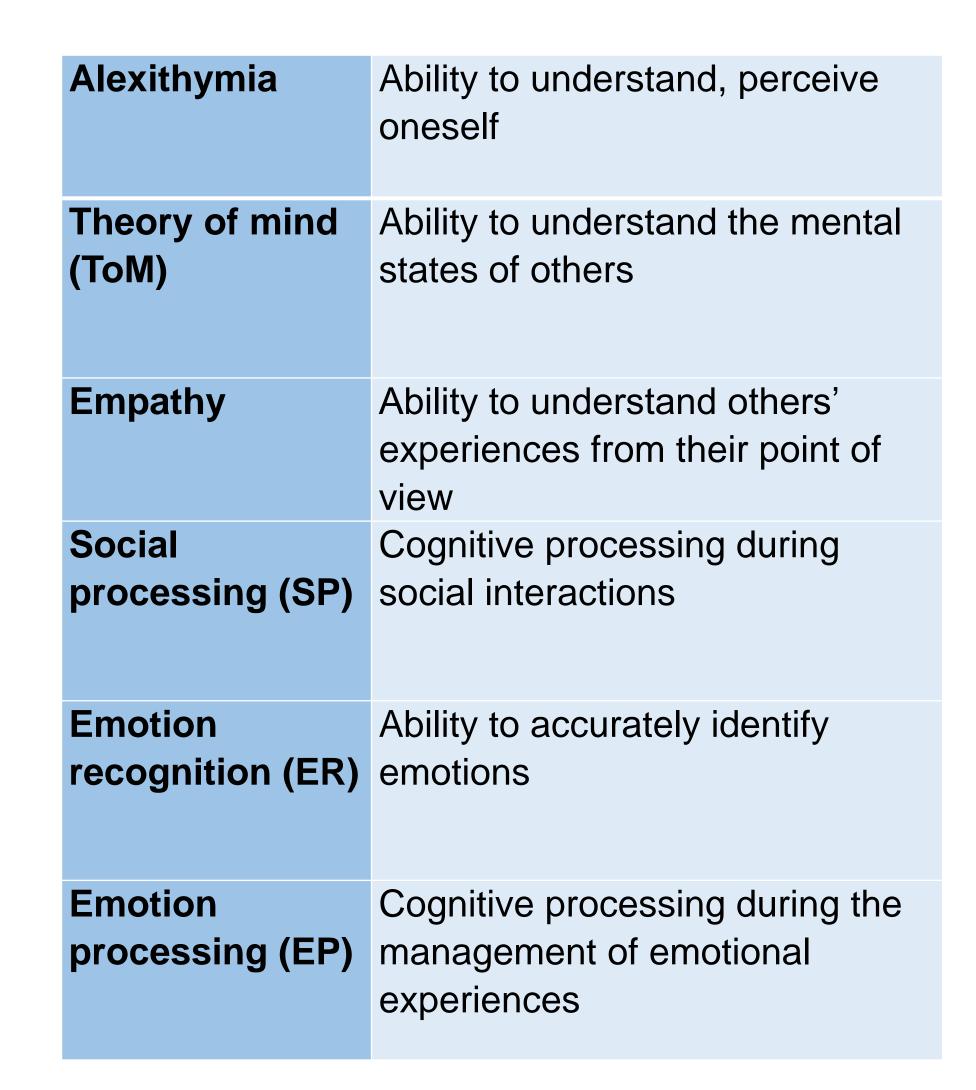


Figure 3: Social Cognition and Anorexia Nervosa (AN)

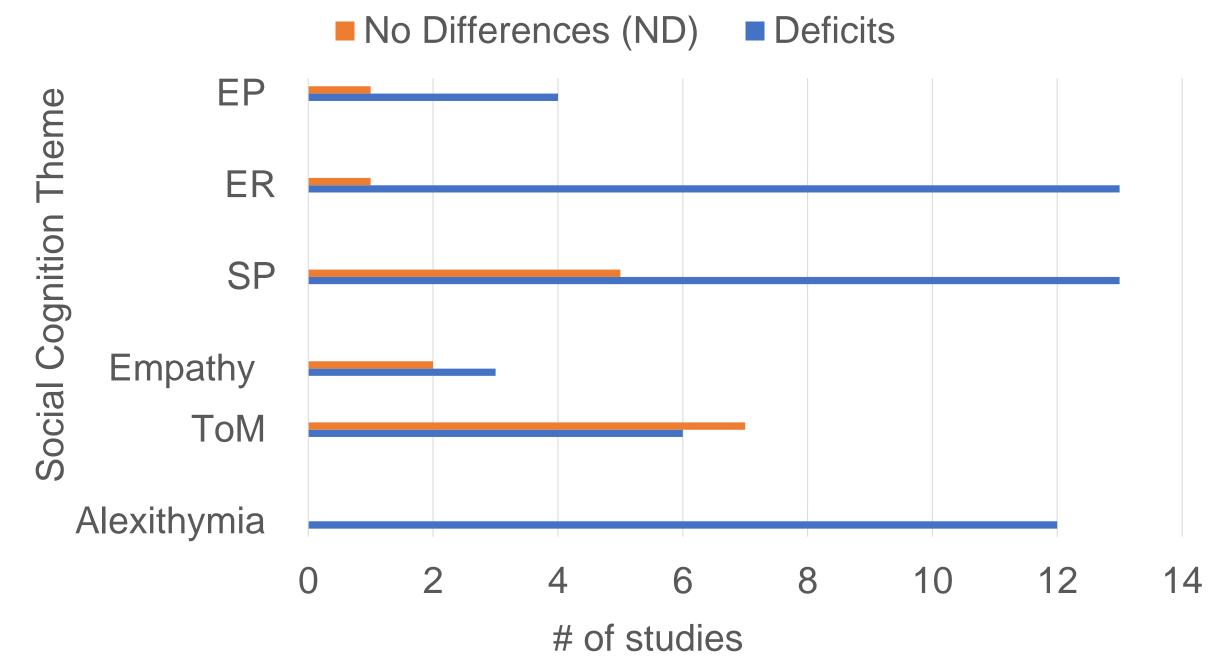


Figure 5: Social Cognition and BED

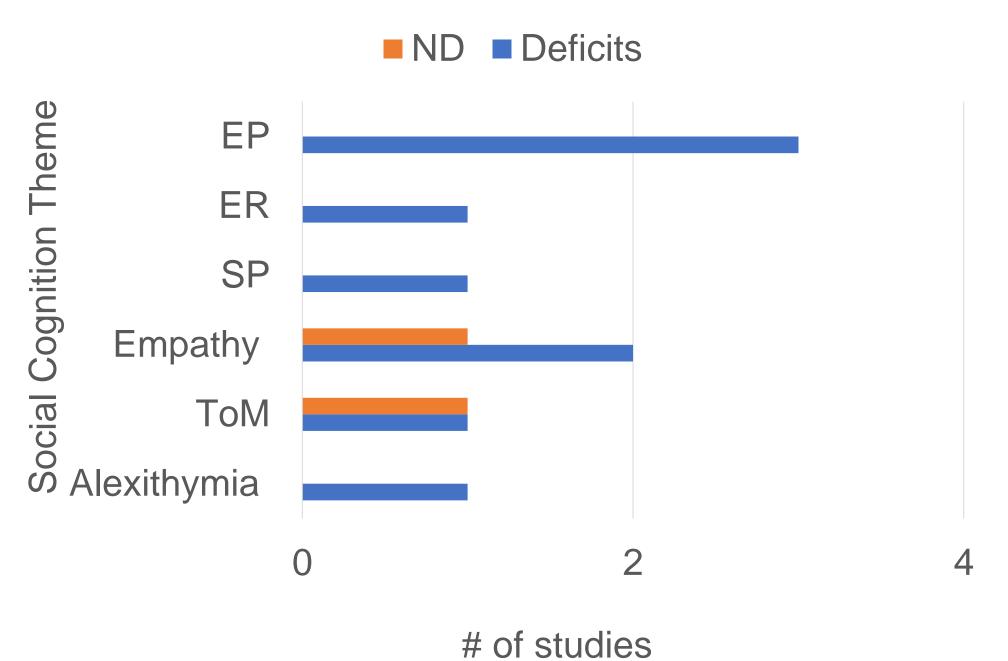


Figure 4: Social Cognition and Bulimia Nervosa (BN)

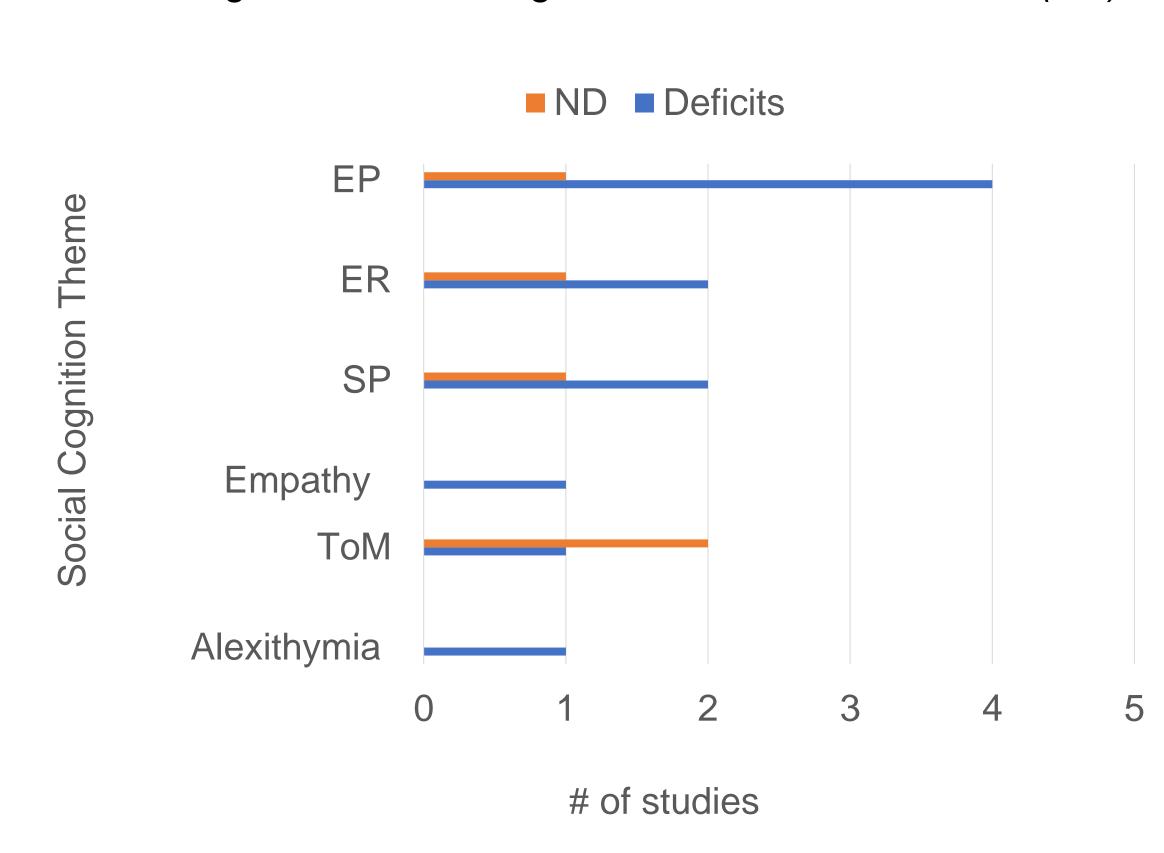
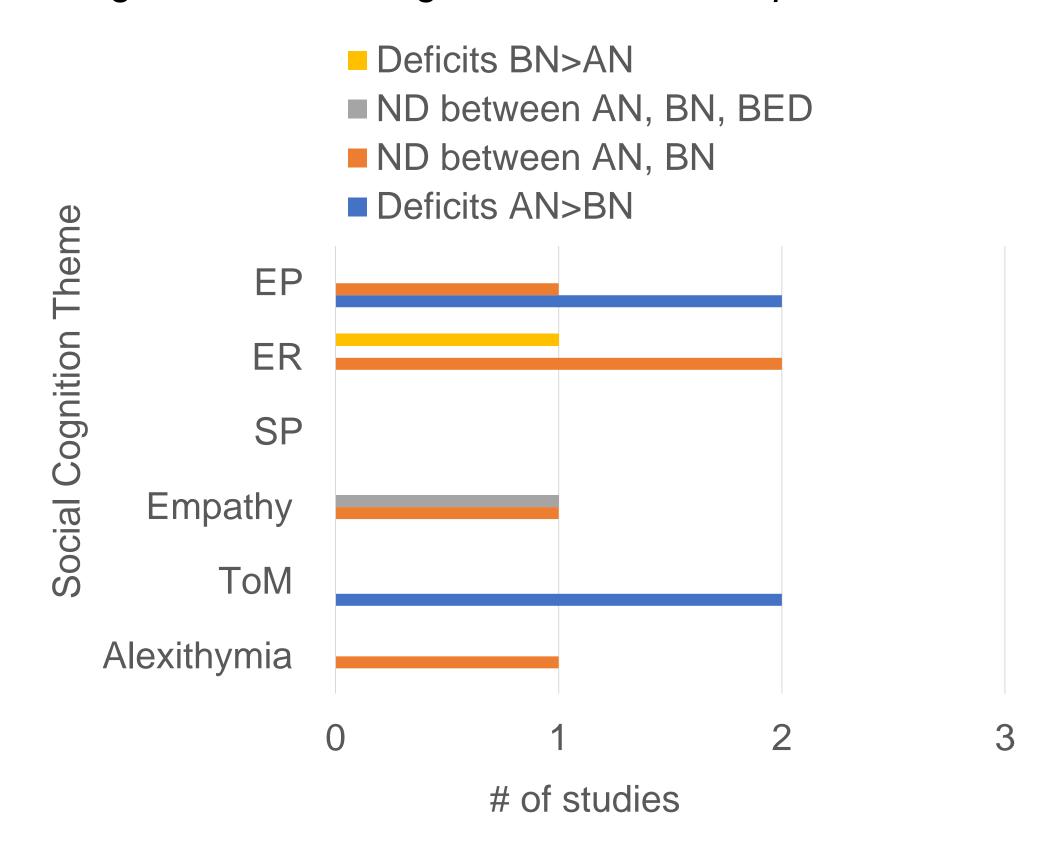


Figure 6: Social Cognition and ED Comparisons



Results

- 79 studies were identified through the systematic search (see Figure 1).
- The findings were organized based on: ED

 (anorexia nervosa, bulimia nervosa, and binge eating disorder) and 6 themes of social cognition (see Figure 2). Note: each study can examine more than 1 theme.

Discussion

- Most studies investigated social cognition in individuals with AN.
- Across EDs, elevated alexithymia and deficits in emotion processing were observed most consistently.
- Findings for other aspects of social cognition were inconsistent across studies.
- Future studies should examine the specific role of alexithymia in EDs as well as consider greater coverage of the various themes of social cognition across all types of EDs.

Selected References

- 1. Bergh, C., Callmar, M., Danemar, S., Hölcke, M., Isberg, S., Leon, M., ... Lindgren, J. (2013). Effective treatment of eating disorders: Results at multiple sites. *Behavioral Neuroscience*, 127(6), 878-879.
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- 3. Linardon, J., Wade, T. D., de la Piedad Garcia, X., & Brennan, L. (2017). The efficacy of cognitive-behavioral therapy for eating disorders: A systematic review and meta-analysis. *Journal of Consulting and Clinical Psychology*, *85*(11), 1080-1094.
- 4. Savla, G. N., Vella, L., Armstrong, C. C., Penn, D. L., & Twamley, E. W. (2012). Deficits in domains of social cognition in schizophrenia: A meta-analysis of the empirical evidence. *Schizophrenia Bulletin*, *39*(5), 979-992.