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Publication date

2019

Document Version

Final published version

[Link to publication](#)

Citation for published version (APA):

Moens, M. A., Weeland, J., Beute, F., Assink, M., Staaks, J. P. C., & Overbeek, G. J. (2019). *Nurturing nurture? Two three-level meta-analyses of the beneficial effects of exposure to nature on children's self-regulation*. Poster session presented at Biennial Meeting of the Society for Research in Child Development (SRCD) 2019, Baltimore, United States.

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Nurturing Nurture?

Two Three-level Meta-analyses of the Beneficial Effects of Exposure to Nature on Children's Self-regulation

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Intro: There is growing evidence that exposure to nature (vs. to a build environment) is associated with better (mental) health and wellbeing.

Methods: We conducted two three-level meta-analyses on 12 correlational and 12 (quasi-)experimental studies

Results: Small, significant and positive overall effects of nature in both correlational ($r = .14$; $p < .001$) and (quasi-)experimental ($d = .20$; $p < .01$) studies. Stronger associations were found in at-risk populations (vs. general populations), in North-American studies (vs. European studies), and in cross-sectional designs (vs. pre-post designs).

Discussion: Nature may be a promising tool in stimulating child wellbeing and functioning, and possibly preventing child psychopathology. However, our overview also shows that we are in need of more rigorous experimental studies, with a sharp conceptualization of nature, and using validated measures of nature and its putative outcomes.

