

Supplementary Materials for

Nature and mental health: An ecosystem service perspective

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Published 24 July 2019, *Sci. Adv.* **5**, eaax0903 (2019)
DOI: 10.1126/sciadv.aax0903

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Table S1. Supplementary references.
References (111–273)

Table S1. Supplementary references. Additional references not included in manuscript, but relevant to topics addressed in the text.

Topic	Examples from literature
Ecosystem services & human health	Tzoulas et al. ¹¹¹ , Sharp et al. ¹¹² , Schaefer et al. ¹¹³ , Schultz et al. ¹¹⁴ , Guswa et al. ¹¹⁵ , Smith et al. ¹¹⁶ , Ford et al. ¹¹⁷ , Bayles et al. ¹¹⁸ , Buckley and Brough, ¹¹⁹ Andersson-Sköld et al. ¹²⁰ , Arkema et al. ¹²¹ , Scarlett & Boyd ¹²² , de Groot, Wilson, & Boumans ¹²³
Global burden of disease	Bloom et al. ¹²⁴ , Collins et al. ¹²⁵ , Vos et al. ¹²⁶ , Hay et al. ¹²⁷
Determinants of mental health	Allen et al. ¹²⁸ , Cacioppo et al. ¹²⁹ , Nestler et al. ¹³⁰ , Biddle and Asare ¹³¹ , Boyce and Kobor ¹³² , Dolan et al. ¹³³ , WHO ^a ¹³⁴ , WHO ^b ¹³⁵ , WHO ^c ¹³⁶ , Lutz et al. ¹³⁷ , U.N. ¹³⁸ , Landeiro et al. ¹³⁹ , Ibrahim et al. ¹⁴⁰ , Victor et al. ¹⁴¹ , Hallal et al. ¹⁴² , Wilhelm et al. ¹⁴³ , Lucassen et al. ¹⁴⁴ , Fan, Goff, & Henderson ¹⁴⁵
Equity of nature access and environmental justice	Rigolon ¹⁴⁶ , Landry and Chakraborty ¹⁴⁷ , Gentin ¹⁴⁸ , Heynen et al. ¹⁴⁹ , Wolch, Byrne and Newell ¹⁵⁰ , Kabisch, Haase and Van Den Bosch ¹⁵¹ , Lee and Lee ¹⁵²
Reviews of nature contact and human health	Frumkin ¹⁵³ , Bosurgi et al. ¹⁵⁴ , Kondo et al. ¹⁵⁵ , Fong et al. ¹⁵⁶ , Keniger et al. ¹⁵⁷ , Vanaken et al. ¹⁵⁸ , Keeler et al. ¹⁵⁹
Laboratory studies on mental health effects of nature experience	Berto ¹⁶⁰ , Gladwell et al. ¹⁶¹ , Annerstedt et al. ¹⁶²
Cross-sectional and longitudinal studies on mental health effects of nature experience	Wheeler et al. ¹⁶³ , Annerstedt and Östergren ¹⁶⁴ .
Associations of nature experience with increased psychological well-being	McMahan and Estes ¹⁶⁵ , Ward et al. ¹⁶⁶ , Seeland et al. ¹⁶⁷ , Peters et al. ¹⁶⁸ , Zhang et al. ¹⁶⁹ , Ulrich ¹⁷⁰ , Lymeus et al. ¹⁷¹ , Hartig and Jahncke ¹⁷² , Wu et al. ¹⁷³ , Berman et al. ¹⁷⁴ , Frumkin ¹⁷⁵ , Largo-Wright et al. ¹⁷⁶
Association of nature experience with a reduction of risk factors and burden of mental illness	Fan et al. ¹⁷⁷ , Jiang et al. ¹⁷⁸ , Grazuleviciene et al. ¹⁷⁹ , Toda et al. ¹⁸⁰ , Ulrich ¹⁸¹ , Brown et al. ¹⁸² , Egorov et al. ¹⁸³ , Maas et al. ¹⁸⁴ , Nutsford et al. ¹⁸⁵ , Amoly et al. ¹⁸⁶ , Markevych et al. ¹⁸⁷ , Reklaitiene et al. ¹⁸⁸ , McEachan et al. ¹⁸⁹ , van den Berg and van den Berg ¹⁹⁰ , Taylor & Kuo ¹⁹¹ , Taylor et al. ¹⁹² , Banay et al. ¹⁹³

Decreasing quality and quantity of nature and outdoor experience	Pergams and Zaradic ¹⁹⁴ , Klepeis et al. ¹⁹⁵ , Clements ¹⁹⁶
Relevant natural features	Fuller et al. ¹⁹⁷ , Lovell et al. ¹⁹⁸ , Markevych et al. ¹⁹⁹ , Dallimer et al. ²⁰⁰ , Dean et al. ²⁰¹ , Gerstenberg and Hofmann ²⁰²
Estimating/calculating nature exposure	MacFaden et al. ²⁰³ , van den Bosch et al. ²⁰⁴ , Pliakas et al. ²⁰⁵ , Ho et al. ²⁰⁶ , Irvine et al. ²⁰⁷ , Bagstad et al. ²⁰⁸ , Brown ²⁰⁹ , Brown et al. ²¹⁰ , Hashimoto et al. ²¹¹ , Plieninger et al. ²¹² , Schägner et al. ²¹³ , Sherrouse et al. ²¹⁴ , Swetnam et al. ²¹⁵ , Szücs et al. ²¹⁶ , Doherty et al. ²¹⁷ , Fuller & Gaston ²¹⁸ , Ives et al. ²¹⁹ , Shanahan et al. ²²⁰ , Van Herzele & Wiedemann ²²¹ , Akpınar, Barbosa-Leiker, & Brooks ²²² , Brown, Schebella, & Weber ²²³ , Lin et al. ²²⁴ , Wood et al. ²²⁵
Characterizing nature experience	Han, ²²⁶ Kardan et al. ²²⁷ , Kweon et al. ²²⁸ , Seresinhe et al. ²²⁹ , Cervinka et al. ²³⁰ , Perrin and Benassi ²³¹ , Wood et al. ²³² , Ordóñez-Barona ²³³ , Honold et al. ²³⁴ , Feld ²³⁵ , Park et al. ²³⁶ , Kahn, Ruckert, & Hasbach ²³⁷ , Kahn et al. ²³⁸ , Hinds & Sparks ²³⁹ , Bragg et al. ²⁴⁰
Characterizing effects of nature experience in decision-making contexts	Lachowycz and Jones ²⁴¹ , Shanahan et al. ²⁴² , Keniger et al. ¹⁵⁷ , Groenewegen et al. ²⁴³ , Balseviciene et al. ²⁴⁴ , Sreetheran and van den Bosch ²⁴⁵ , Sullivan and Kaplan ²⁴⁶
Valuation approaches	Hsia and Belfer ²⁴⁷ , Knapp and Iemmi ²⁴⁸ , DuPont et al. ²⁴⁹ , Smit et al. ²⁵⁰ , Kessler et al. ²⁵¹ , Shirneshan et al. ²⁵² , Sado et al. ²⁵³ , Nguyen et al. ²⁵⁴ , Dams et al. ²⁵⁵ , Chisholm et al. ²⁵⁶ , Burckhardt and Anderson ²⁵⁷ , Buckley & Brough ²⁵⁸
Other framework and application examples	Central Puget Sound Open Space Assessment Tool ²⁵⁹ , Shandas et al. ²⁶⁰ , Voelkel et al. ²⁶¹ , Briceno and Mojica ²⁶² , Rosenberger et al. ²⁶³ , Rosenberger ²⁶⁴ , City of Seattle ²⁶⁵ , Lee et al. ²⁶⁶
Long-lasting duration of effects	Alcock et al. ²⁶⁷ , Bijmens et al. ²⁶⁸ , Li et al. ²⁶⁹ , Silveirinha de Oliveira et al. ²⁷⁰
Mechanisms/pathways of restorative effects	Dahlkvist et al. ²⁷¹ , von Lindern et al. ²⁷² , Kuo ²⁷³