



The Interplay between Environmental Exposures and Mental Health Outcomes

Background Reading List

(Listed in Alphabetical Order)

- Attademo, L., Bernardini, F., Garinella, R., & Compton, M. T. (2017). Environmental pollution and risk of psychotic disorders: A review of the science to date. *Schizophrenia Research*, 181, 55-59.
- Bates, C., Bohnert, A., & Gerstein, D. (2018). Green schoolyards in low-income urban neighborhoods: Natural spaces for positive youth development outcomes. *Frontiers in Psychology*, 9, 805. doi: [10.3389/fpsyg.2018.00805](https://doi.org/10.3389/fpsyg.2018.00805).
- Berry, H. L., Waite, T. D., Dear, K. B., Capon, A. G., & Murray, V. (2018). The case for systems thinking about climate change and mental health. *Nature Climate Change*, 8(4), 282-290. <https://doi.org/10.1038/s41558-018-0102-4>
- Block, M. L., & Calderón-Garcidueñas, L. (2009). Air pollution: mechanisms of neuroinflammation and CNS disease. *Trends in Neurosciences*, 32(9), 506-516. doi: [10.1016/j.tins.2009.05.009](https://doi.org/10.1016/j.tins.2009.05.009)
- Branas, C. C., South, E., Kondo, M. C., Hohl, B. C., Bourgois, P., Wiebe, D. J., & MacDonald, J. M. (2018). Citywide cluster randomized trial to restore blighted vacant land and its effects on violence, crime, and fear. *Proceedings of the National Academy of Sciences of the United States of America*, 115(12), 2946–2951. <https://doi.org/10.1073/pnas.1718503115>
- Dodgen, D., Donato, D., Kelly, N., La Greca, A., Morganstein, J., Reser, J.P., Ruzeck, J., Schweitzer, S., Shimamoto, M.M., Thigpen Tart, K., & Ursano R.J., (2016). Ch. 8: Mental Health and Well-Being. The Impacts of Climate Change on Human Health in the United States: A Scientific Assessment (pp. 217-246). Washington, DC: U.S. Global Change Research Program. Accessed from <http://dx.doi.org/10.7930/J0TX3C9H>
- Geschwind, D. H., & Flint, J. (2015). Genetics and genomics of psychiatric disease. *Science (New York, N.Y.)*, 349(6255), 1489–1494. <https://doi.org/10.1126/science.aaa8954>
- Margerison, C. E., A. L. Pearson, Z. Lin and J. Sanciangco (2020). "Changes in residential greenness between pregnancies and birth outcomes: longitudinal evidence from Michigan births 1990-2012." *International Journal of Epidemiology*: 1-9. <https://academic.oup.com/ije/advance-article-abstract/doi/10.1093/ije/dyaa158/5948818?redirectedFrom=fulltext>
- Morganstein, J.C., Ursano, R.J. (2020). Ecological Disasters and Mental Health: Causes, Consequences, and Interventions. *Frontiers in Psychiatry*, 11(1), 1-15. <https://www.frontiersin.org/articles/10.3389/fpsy.2020.00001/full>
- Nutsford, D., A. L. Pearson, S. Kingham and F. Reitsma (2016). "Residential exposure to visible blue space (but not green space) associated with lower psychological distress in a capital city." *Health & Place* 39: 70-78. <https://pubmed.ncbi.nlm.nih.gov/26974233/>
- Newbury, J. B., Arseneault, L., Beevers, S., Kitwiroon, N., Roberts, S., Pariante, C. M., Kelly, F. J., & Fisher, H. L. (2019). Association of air pollution exposure with psychotic experiences during adolescence. *JAMA Psychiatry*, 76(6), 614-623. doi: [10.1001/jamapsychiatry.2019.0056](https://doi.org/10.1001/jamapsychiatry.2019.0056)



Newbury, J. B., Arseneault, L., Caspi, A., Moffitt, T. E., Odgers, C. L., & Fisher, H. L. (2018). Cumulative effects of neighborhood social adversity and personal crime victimization on adolescent psychotic experiences. *Schizophrenia Bulletin*, 44(2), 348-358. doi:[10.1093/schbul/sbx060](https://doi.org/10.1093/schbul/sbx060)

Newbury, J. B., Arseneault, L., Caspi, A., Moffitt, T. E., Odgers, C. L., Belsky, D. W., Sugden, K., Williams, B., Ambler, A. P., Timothy, M., & Fisher, H. L. (2020). Association between genetic and socioenvironmental risk for schizophrenia during upbringing in a UK longitudinal cohort. *Psychological Medicine*, doi:[10.1017/S0033291720003347](https://doi.org/10.1017/S0033291720003347).

Pearson, A. L., A. Rzotkiewicz, J. L. Pechal, C. J. Schmidt, H. R. Jordan, A. Zwickle and M. E. Benbow (2019). "Initial Evidence of the Relationships between the Human Postmortem Microbiome and Neighborhood Blight and Greening Efforts." Annals of the American Association of Geographers 109(3): 958-978. <https://pubmed.ncbi.nlm.nih.gov/26974233/>

Pearson, A. L., J. Pechal, Z. Lin, M. E. Benbow, C. Schmidt and S. Mavoa (2020). "Associations detected between measures of neighborhood environmental conditions and human microbiome diversity." *Science of The Total Environment* 745: 141029.
<https://www.sciencedirect.com/science/article/abs/pii/S0048969720345587>

Pearson, A. L., K. A. Pfeiffer, J. Gardiner, T. Horton, R. T. Buxton, R. F. Hunter, V. Breeze and T. McDade (2020). "Study of active neighborhoods in Detroit (StAND): study protocol for a natural experiment evaluating the health benefits of ecological restoration of parks." *BMC Public Health* 20(1).<https://bmcpublichealth.biomedcentral.com/articles/10.1186/s12889-020-08716-3>

Reuben, A., Schaefer, J.D., Moffitt, T.E., Broadbent, J., Harrington, H., Houts, R.M., Ramrakha, S., Poulton, R., and Caspi, A. (2019). Association of childhood lead exposure with adult personality traits and lifelong mental health. *JAMA Psychiatry*. 76(4):418-425.
<https://jamanetwork.com/journals/jamapsychiatry/fullarticle/2720691>

Runkle, JD, Michael, K, Stevens, S., and Sugg, M.M (2020). Quasi-Experimental Evaluation of Text-based Crisis Patterns in Youth following Hurricane Florence in the Carolinas, 2018. *Science of the Total Environment*. <https://doi.org/10.1016/j.scitotenv.2020.141702>

Sugg, M.M., P. Grady Dixon, and J. Runkle (2019). Crisis Support-Seeking Behavior and Temperature in the United States: Is there an Association in Young Adults and Adolescents? *Science of the Total Environment*. <https://doi.org/10.1016/j.scitotenv.2019.02.434>

Sullivan, P. F., & Geschwind, D. H. (2019). Defining the Genetic, Genomic, Cellular, and Diagnostic Architectures of Psychiatric Disorders. *Cell*, 177(1), 162–183.
<https://doi.org/10.1016/j.cell.2019.01.015>

South EC, Hohl BC, Kondo MC, MacDonald JM, Branas CC. Effect of Greening Vacant Land on Mental Health of Community-Dwelling Adults: A Cluster Randomized Trial. *JAMA Netw Open*. 2018;1(3):e180298. doi:[10.1001/jamanetworkopen.2018.0298](https://doi.org/10.1001/jamanetworkopen.2018.0298)