

Publications of the research group Environmental & Spatial Epidemiology

PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. Lupatsch, J.E., Kreis, C., Konstantinoudis, G., Ansari M, Kuehni C, Spycher BD. Birth characteristics and childhood leukemia in Switzerland: a register-based case–control study. *Cancer Causes Control* 2021; 32:713-723. doi.org/10.1007/s10552-021-01423-3
2. Folly CL, Konstantinoudis G, Mazzei-Abba A, Kreis C, Bucher B, Furrer R, Spycher BD. Bayesian spatial modelling of terrestrial radiation in Switzerland. *J Environ Radioact* 2021;233:106571. doi: 10.1016/j.jenvrad.2021.106571
3. Coste A, Bailey HD, Kartal-Kaess M, Renella R, Berthet A, Spycher BD. Parental occupational exposure to pesticides and risk of childhood cancer in Switzerland: a census-based cohort study. *BMC Cancer*. 2020;20:819. doi: 10.1186/s12885-020-07319-w
4. Konstantinoudis G, Schuhmacher D, Ammann R, Diesch T, Kuehni C, Spycher BD. Bayesian spatial modelling of childhood cancer incidence in Switzerland using exact point data: A nationwide study during 1985-2015. *Int J Health Geogr* 2020; 19, 15. doi: 10.1186/s12942-020-00211-7
5. Konstantinoudis G, Schuhmacher D, Rue H, Spycher BD. Discrete versus continuous domain models for disease mapping. *Spat Spatiotemporal Epidemiol*. 2020; 32:100319. doi:10.1016/j.sste.2019.100319.
6. Mazzei-Abba A, Folly CL, Coste A, Wakeford R, Little MP, Raaschou-Nielsen O, Kendall G, Hémon D, Nikkilä A, Spix C, Auvinen A, Spycher BD. Epidemiological studies of natural sources of radiation and childhood cancer: current challenges and future perspectives. *J Radiol Prot*. 2019; 40(1):R1-R23. doi: 10.1088/1361-6498/ab5a38.
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8. Kreis C, Doessegger E, Lupatsch JE, Spycher BD (2019) Space-time clustering of childhood cancers: a systematic review and pooled analysis. *Eur J Epidemiol* 2019; 34(1): 9-21. doi: 10.1007/s10654-018-0456-y
9. Lupatsch JE, Kreis C, Kortzen I, Latzin P, Frey U, Kuehni CE, Spycher BD. Neighbourhood child population density as a proxy measure for exposure to respiratory infections in the first year of life: A validation study. *PLoS One* 2018; 13(9):e0203743. doi: 10.1371/journal.pone.0203743
10. Amoon AT, Crespi CM, Ahlbom A, Bhatnagar M, Bray I, Bunch KJ, Clavel J, Feychting M, Hémon D, Johansen C, Kreis C, Malagoli C, Marquant F, Pedersen C, Raaschou-Nielsen O, Rössli M, Spycher BD, Sudan M, Swanson J, Tittarelli A, Tuck DM, Tynes T, Vergara X, Vinceti M, Wunsch-Filho V, Kheifets L. Proximity to overhead power lines and childhood leukaemia: an international pooled analysis. *Br J Cancer* 2018; 119:364–373 doi:10.1038/s41416-018-0097-7.

11. Nikkilä A, Kendall G, Raitanen J, Spycher BD, Lohi O, Auvinen A. Effects of incomplete residential histories on studies of environmental exposure with application to childhood leukaemia and background radiation. *Environ Res* 2018; 166:466-472. doi: 10.1016/j.envres.2018.06.035.
12. Konstantinoudis G, Kreis C, Ammann RA, Niggli F, Kuehni CE, Spycher BD. Spatial clustering of childhood cancers in Switzerland: a nationwide study. *Cancer Cause Control* 2018; 29(3), 353-362. doi: 10.1007/s10552-018-1011-6.
13. Spycher BD, Lupatsch JE, Huss A, Rischewski J, Schindera C, Spoerri A, Vermeulen R, Kuehni CE. Parental occupational exposure to benzene and the risk of childhood cancer: A census-based cohort study. *Environ Int* 2017; 108:84-91. doi: 10.1016/j.envint.2017.07.022
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15. Kreis C, Lupatsch JE, Niggli F, Egger M, Kuehni CE, Spycher BD. Space-Time Clustering of Childhood Leukemia: Evidence of an Association with ETV6-RUNX1 (TEL-AML1) Fusion. *PLOS ONE* 2017; 12(1):e0170020. doi: 10.1371/journal.pone.0170020
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23. Spycher BD, Roosli M, Egger M, Kuehni CE. Response to "Comment on 'Background Ionizing Radiation and the Risk of Childhood Cancer: A Census-Based Nationwide Cohort Study'". *Environ Health Perspect* 2015; 123:A198-A199. doi:10.1289/ehp.1509938R

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29. Andersen TV, Schmidt LS, Poulsen AH, Feychting M, Roosli M, Tynes T, Aydin D, Prochazka M, Lannering B, Klaeboe L, Eggen T, Kuehni CE, Schmiegelow K, Schuz J. Patterns of exposure to infectious diseases and social contacts in early life and risk of brain tumours in children and adolescents: an International Case-Control Study (CEFALO). *Br J Cancer*. 2013;108(11):2346-53. doi: 10.1038/bjc.2013.201
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cancer and nuclear power plants in Switzerland: A census-based cohort study. *Int J Epidemiol* 2011; 40:1247-60. doi:10.1093/ije/dyr115.

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35. Feller M, Adam M, Zwahlen M, Brazzola P, Niggli F, Kuehni CE. Family characteristics as risk factors for childhood acute lymphoblastic leukemia. *Plos One* 2010; 5:e13156.

OTHER PUBLICATIONS (NOT PEER-REVIEWED)

36. Mazzei-Alba A, Folly CL, Spycher BD. Krebsrisiko bei Kindern durch Exposition gegenüber ionisierender Strahlung. *Paediatrica* 2018; 29(4): 21-26
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