

Perceived health impacts of climate change in German kindergartens and implications for skin cancer prevention: an exploratory online survey

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supplementary material SI 6:

Table A2 Missing data across variables included in the factor and multivariate regression analyses

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Variable	Available n	Missing n	Missing %
EFA items ^a			
Educators: burden – UV radiation	3642	13	0.36
Educators: burden – heat	3648	7	0.19
Educators: burden – extreme weather	3643	12	0.33
Educators: burden – air pollution	3633	22	0.6
Educators: burden – allergens	3643	12	0.33
Educators: burden – infectious diseases	3644	11	0.3
Educators: burden – psychological stress	3646	9	0.25
Educators: health threat – local	3647	8	0.22
Educators: health threat – national	3639	16	0.44
Educators: health threat – global	3636	19	0.52
Children: burden – UV radiation	3642	13	0.36
Children: burden – heat	3646	9	0.25
Children: burden – extreme weather	3638	17	0.47
Children: burden – air pollution	3629	26	0.71
Children: burden – allergens	3644	11	0.3
Children: burden – infectious diseases	3641	14	0.38
Children: burden – psychological stress	3635	20	0.55
Children: health threat – local	3649	6	0.16
Children: health threat – national	3647	8	0.22
Children: health threat – global	3646	9	0.25
Factor scores ^b			
F1 Perceived health threat	3580	75	2.05
F2 Heat- and UV-related burden	3580	75	2.05
F3 Other climate-related health burdens	3580	75	2.05
Regression predictors ^c			
Age	3653	2	0.05

Variable	Available n	Missing n	Missing %
Gender	3653	2	0.05
Community size	3653	2	0.05
Number of children enrolled	3492	163	4.46
Sponsorship	3652	3	0.08
Region	3636	19	0.52
Number of hot days in 2022	3636	19	0.52
Information need topics	3551	104	2.85
Climate-related measures	3655	0	0

^a Percentages refer to the total analytical sample (N = 3,655). The primary EFA was based on pairwise available observations.

^b Regression-based factor scores were calculated without imputation of missing EFA items; therefore, the same 75 participants with incomplete EFA item data had missing values for all three factor scores.

^c Missing values for region and the state-level number of hot days occurred in the same 19 participants because the hot-days variable was assigned based on geographic information. Primary regression analyses used complete cases and included 3,358 participants (91.9%).