

Association between Chronic Environmental Lead (Pb) Exposure and Cytokines in Males and Females of Reproductive Age from Kabwe, Zambia

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The supplementary data as contained in Tables S1 and S2 shows the loading matrix for the Principal Component Analysis (PCA) and the Correlations as estimated by the Row-wise method, respectively.

Table S1. Loading matrix for the PCA analysis.

Variable	PC1 (27.6%)	PC2 (24.4%)
Age (yrs)	0.447	0.526
BLL (µg/dL)	0.486	-0.518
TNF-α (pg/mL)	-0.680	0.323
IL-8 (pg/mL)	-0.585	0.075
BMI (kg/m ²)	0.370	0.758

BMI (Body Mass Index), IL-8 (Interleukin-8), TNF-α (Tumor necrosis factor alpha), BLL (Blood Lead Level). PC1 (Principal component 1), PC2 (Principal component 2). The values in bold represent variables with significant contributions to the respective principal components.

Table S2. Correlations estimated by a Row-wise Method.

Variables	Age (yrs)	BLL ($\mu\text{g/dL}$)	TNF- α (pg/mL)	IL-8 (pg/mL)	BMI (kg/m ²)
Age	1.000	0.093	-0.052	0.003	0.244
BLL	0.091	1.000	-0.210	-0.078	-0.124
TNF- α	-0.052	-0.210	1.000	0.206	-0.030
IL-8	0.003	-0.078	0.206	1.000	-0.121
BMI	0.244	-0.124	-0.021	-0.121	1.000

BMI (Body Mass Index), IL-8 (Interleukin-8), TNF- α (Tumor necrosis factor alpha), BLL (Blood Lead Level). The values in bold represent variables with significant correlation estimated by the Row-wise method.