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Supplemental Material

Calibration of Toenail Metal Concentrations for Sample Mass Heterogeneity and Between-Batch Variability: The COMET Approach

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Table of Contents

Development of the Heteroscedastic Spline Mixed Model

Variance Components in Heteroscedastic Linear Mixed Models

R Script COMET

Table S1. Limits of detection for toenail metals in a population-based multicase-control study in Spain, 2008–2013 ($n = 7,923$).

Table S2. Odds ratios for common cancers per two-fold increase in measured toenail metal concentrations in a population-based multicase-control study in Spain, 2008–2013 ($n = 7,923$).

Table S3. Information criteria and likelihood ratio tests comparing nested models with increasing levels of complexity for measured toenail metal concentrations in a population-based multicase-control study in Spain, 2008–2013 ($n = 7,923$).

Table S4. Odds ratios for common cancers per two-fold increase in calibrated toenail metal concentrations in a population-based multicase-control study in Spain, 2008–2013 ($n = 7,923$).

Figure S1. Measured metal concentrations in homogenized toenail samples of different mass in the reproducibility study ($n = 29$). Results were based on a pooled sample of toenails, which was cryohomogenized and the resulting powder divided into ten samples of 5 and 10 mg and three samples of 30, 50, and 100 mg. Note: ppb, parts per billion; ppm, parts per million.

Figure S2. Geometric mean metal concentrations as a smooth function of toenail sample mass within each laboratory batch in a population-based multicase-control study in Spain, 2008–2013 ($n = 7,923$). Batch-specific trends in geometric mean metal concentrations (gray curves) were obtained from separate regression models within each laboratory batch relating log-transformed metal concentrations with a natural cubic spline of log-transformed toenail sample mass with internal knots at the overall 35th and 65th percentiles and boundary knots at the 5th and 95th percentiles (3.0, 13.9, 28.9, and 63.2 mg, respectively). Batch-specific analyses were restricted to 119 of the 122 laboratory batches (97.5%) with at least 25 metal determinations. Note: ppb, parts per billion.

Figure S3. Batch compositional bias in measured metal concentrations associated with toenail samples of the same mass analyzed in laboratory batches with different geometric mean masses in a population-based multicase-control study in Spain, 2008–2013 ($n = 7,923$). The batch compositional bias in measured metal concentrations (thick curve) and its 95% confidence interval (thin curves) were determined by the estimates and standard errors of the fixed spline parameters η_1 , η_2 , and η_3 associated with mean log-transformed masses for each laboratory batch in heteroscedastic spline mixed models for log-transformed metal concentrations. The reference level was set at the geometric mean mass over all laboratory batches (17.6 mg).

References