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Supplemental Material

Characterizing Chemical Exposure Trends from NHANES Urinary Biomonitoring Data

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Figure S1. Heatmap of the 2-year NHANES cohorts (columns) in which each of the 151 metabolites (rows; chemical names not shown) were measured in NHANES. The metabolites are sorted from top to bottom by oldest cohort with measurement data then by most cohorts with data. A table representation of this figure, with metabolites in the same order, can be found in Excel Table S14.

Figure S2. Distributions of the number of survey participants and measurements below the limit of detection (LOD). Each point represents a metabolite-cohort pair (single metabolite measured in a single NHANES cohort), depicting the fraction of observations below the LOD on the y-axis and the number of individual survey participants on the x-axis. The histograms on the top and to the right of the scatterplot represent the count distribution for all metabolite-cohort pairs of the number of survey participants and the fraction of urine measurements with a concentration below the LOD, respectively. No chemical filtering was applied prior to making this plot, meaning all 151 metabolites have a point in this figure for each cohort in which they were measured in urine by NHANES. The data used to generate this plot can be found in Excel Table S15.

Additional File- Excel Document