



Supplementary Figure 1. Distribution plot of pack-years and urinary biomarkers of smoking-related toxicants both without and with transformation for the Multiethnic Cohort (MEC) subcohort of current smokers at time of urine collection. Figure A. Distribution plot of pack-years without transformation; Figure B. Distribution plot of pack-years divided by the overall population standard deviation (*with transformation*); Figure C. Distribution plot of total nicotine equivalents (TNE) without transformation; Figure D. Distribution plot of TNE with transformation; Figure E. Distribution plot of the ratio of total *trans* 3'-hydroxycotinine (3-HCOT)/cotinine (Total 3-HCOT/cotinine) without transformation; Figure F. Distribution plot of Total 3-HCOT/cotinine with transformation; Figure G. Distribution plot of 4-(methylnitrosamino)-1-*β*-pyridyl)-1-butanol (Total NNAL) without transformation; Figure H. Distribution plot of Total NNAL with transformation; Figure I. Distribution plot of SPMA without transformation; Figure J. Distribution plot of SPMA with transformation; Figure K. Distribution plot of 3-hydroxypropyl mercapturic acid (3-HPMA) without transformation; Figure L. Distribution plot of 3-HPMA with transformation; Figure M. Distribution plot of phenanthrene tetraol (PheT) without transformation; Figure N. Distribution plot of PheT with transformation; Figure O. Distribution plot of 3-hydroxyphenanthrene (PheOH) without transformation; Figure P. Distribution plot of PheOH with transformation; Figure Q. Distribution plot of PheT/PheOH (a proposed biomarker of metabolic activation of polycyclic aromatic hydrocarbons) without transformation; Figure R. Distribution plot of PheT/PheOH with transformation; Figure S. Distribution plot of cadmium (Cd) without transformation; Figure T. Distribution plot of Cd with transformation; Plot U. Distribution plot of (Z)-7-[1*R*,2*R*,3*R*,5*S*]-3,5-dihydroxy-2-[(*E*,3*S*)-3-hydroxyoct-1-enyl]cyclopentyl]hept-5-enoic acid (8-*iso*-PGF_{2α}) without transformation; Figure V. Distribution plot of 8-*iso*-PGF_{2α} with transformation.