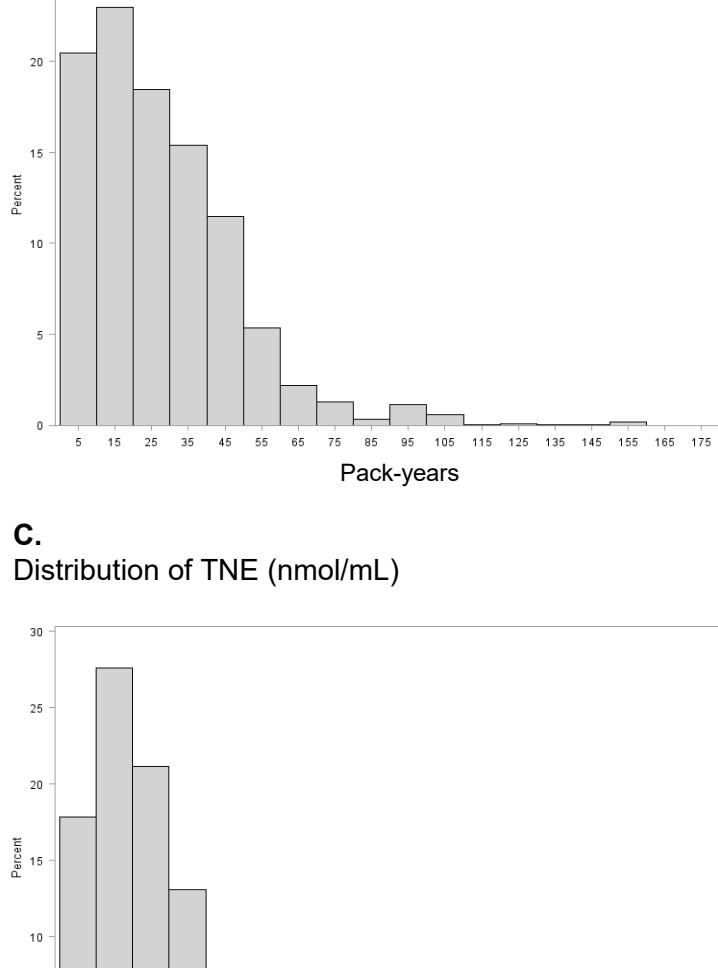
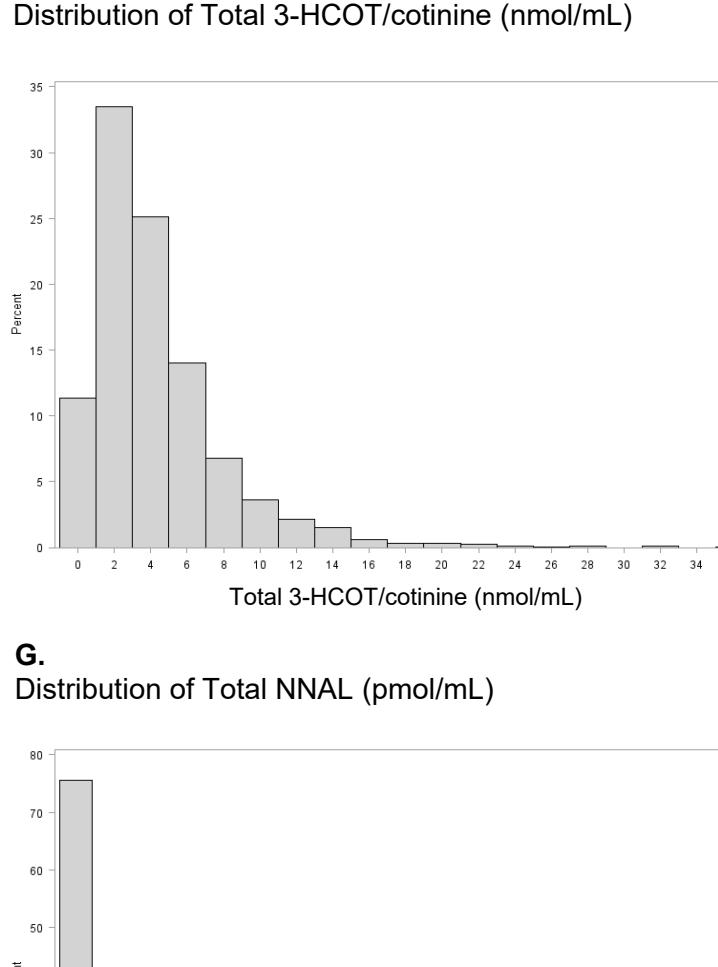
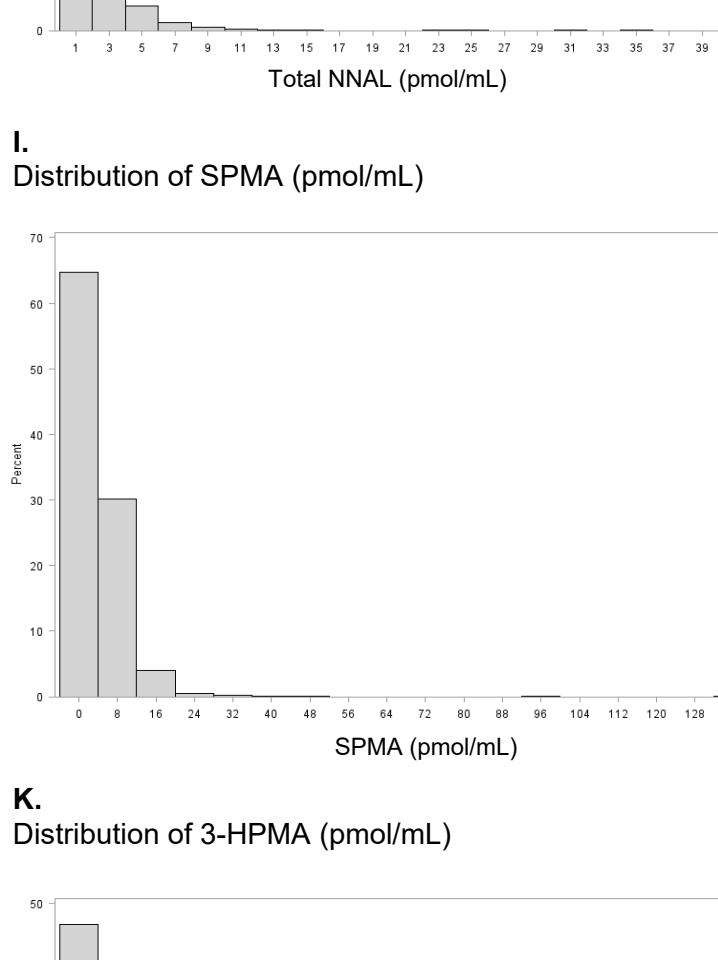
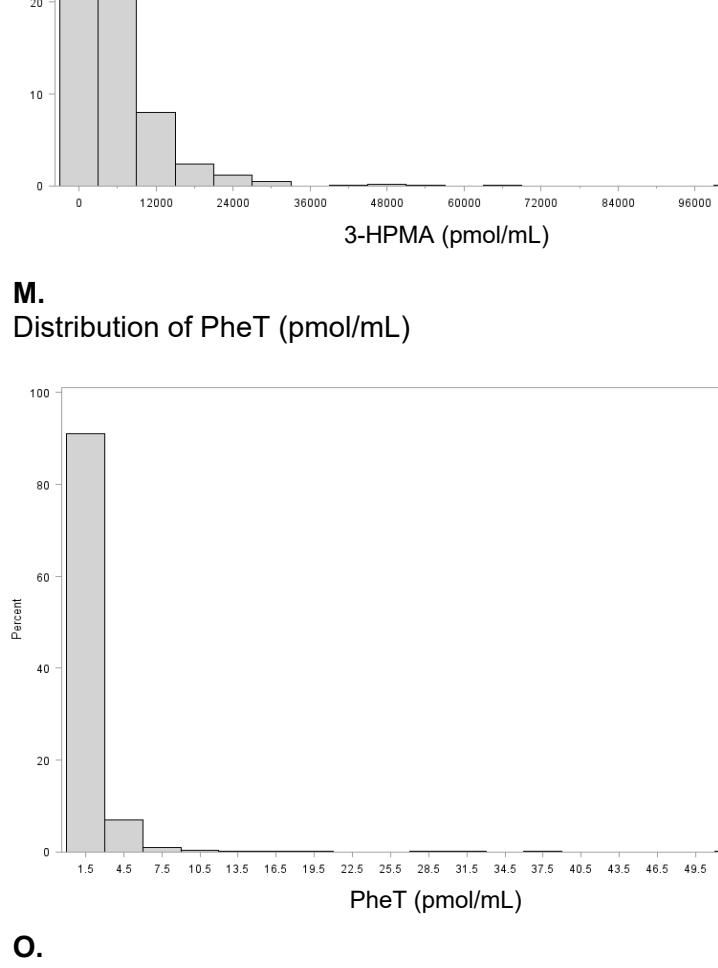
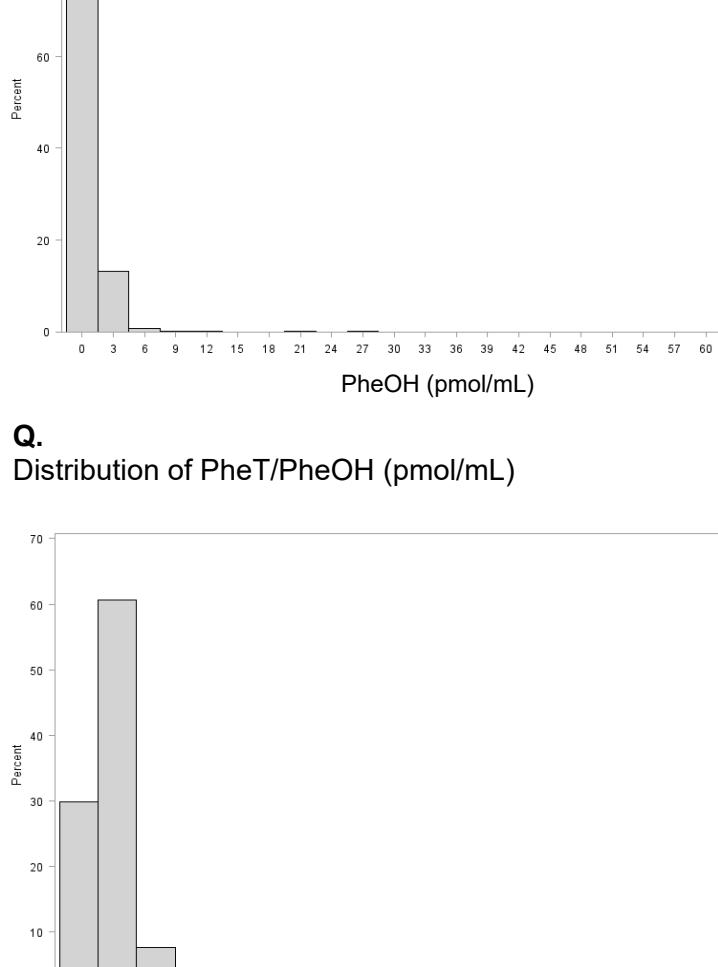
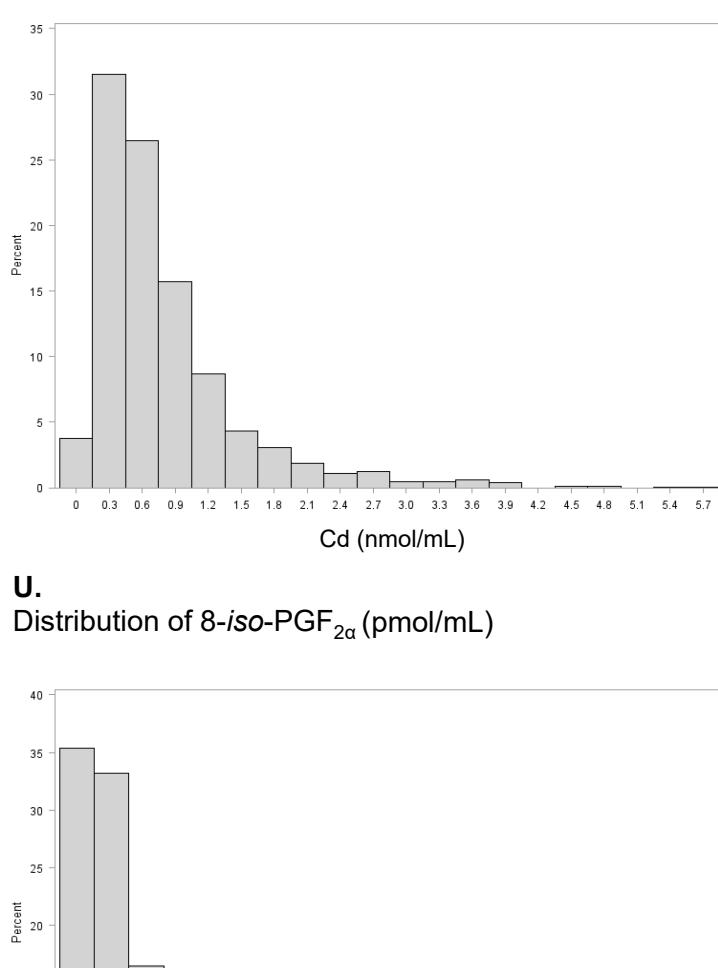
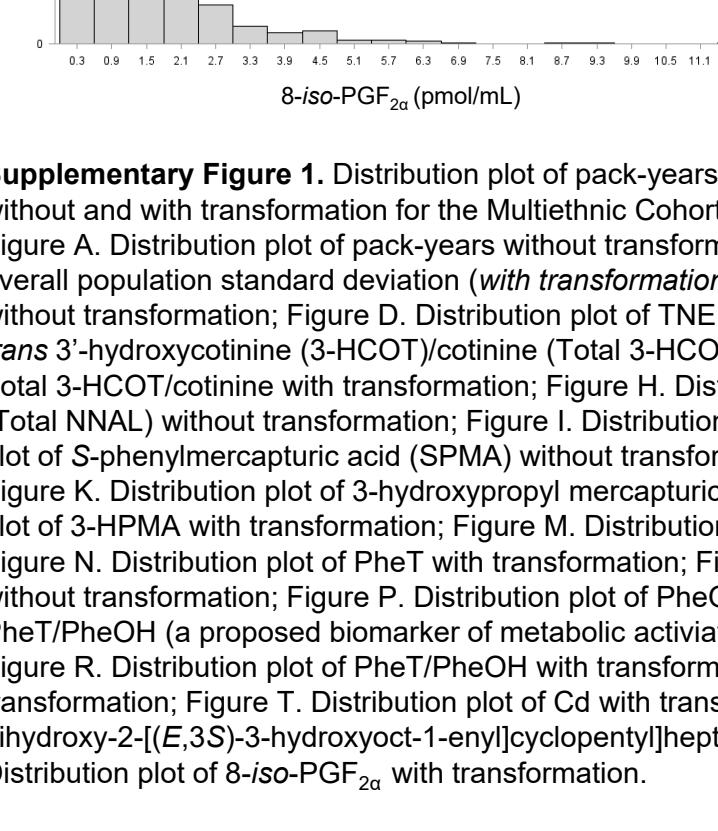
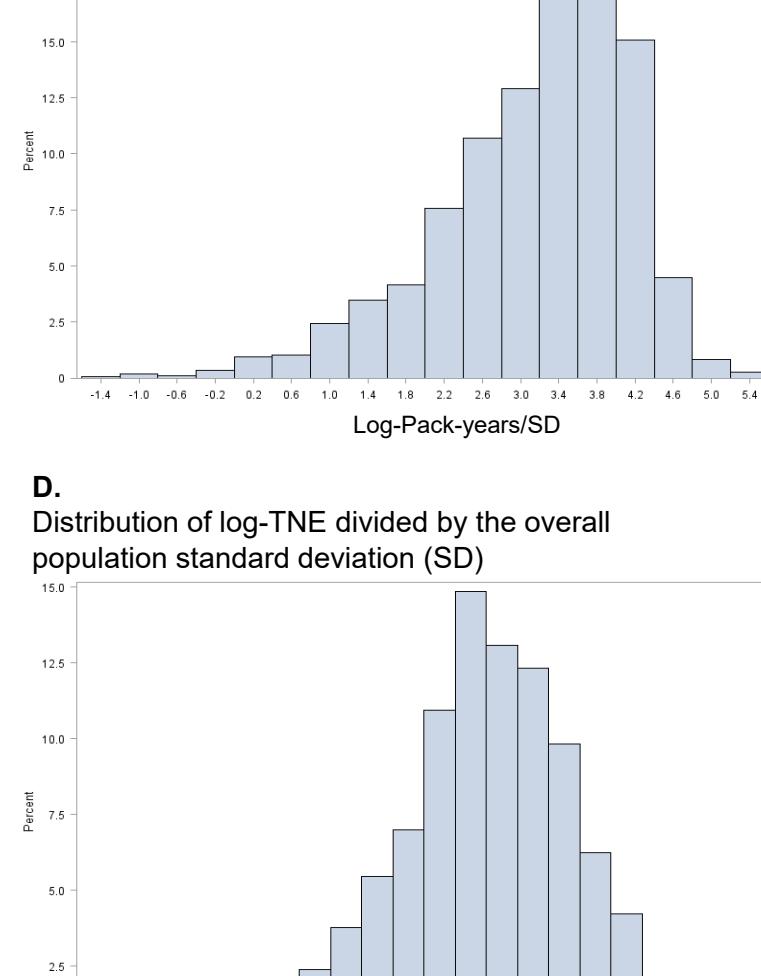
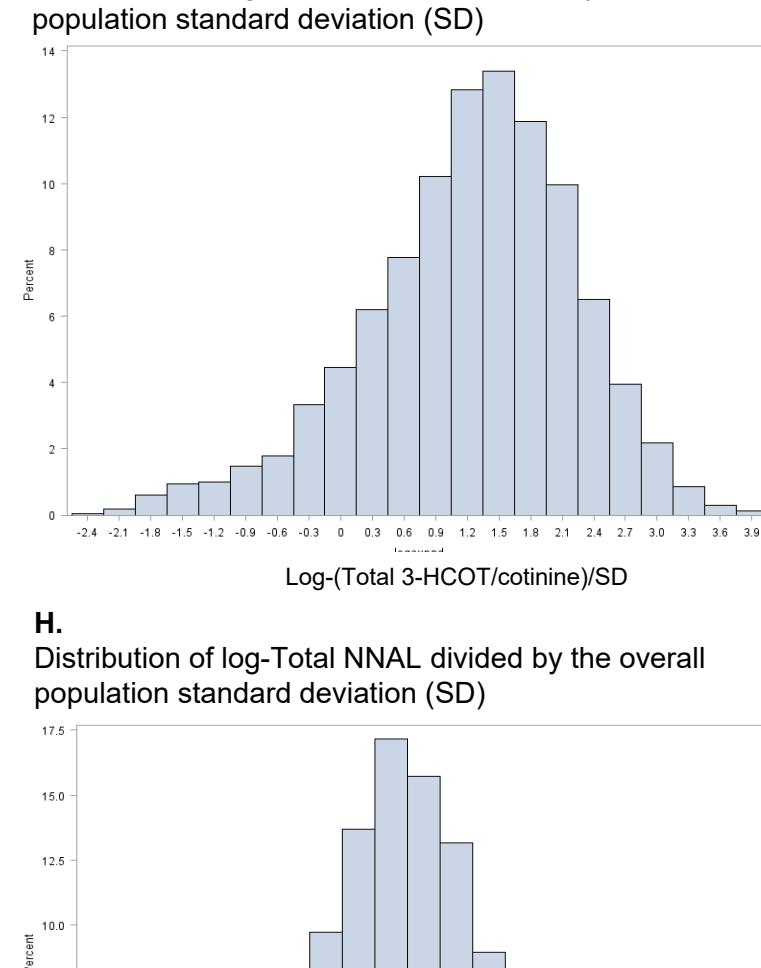
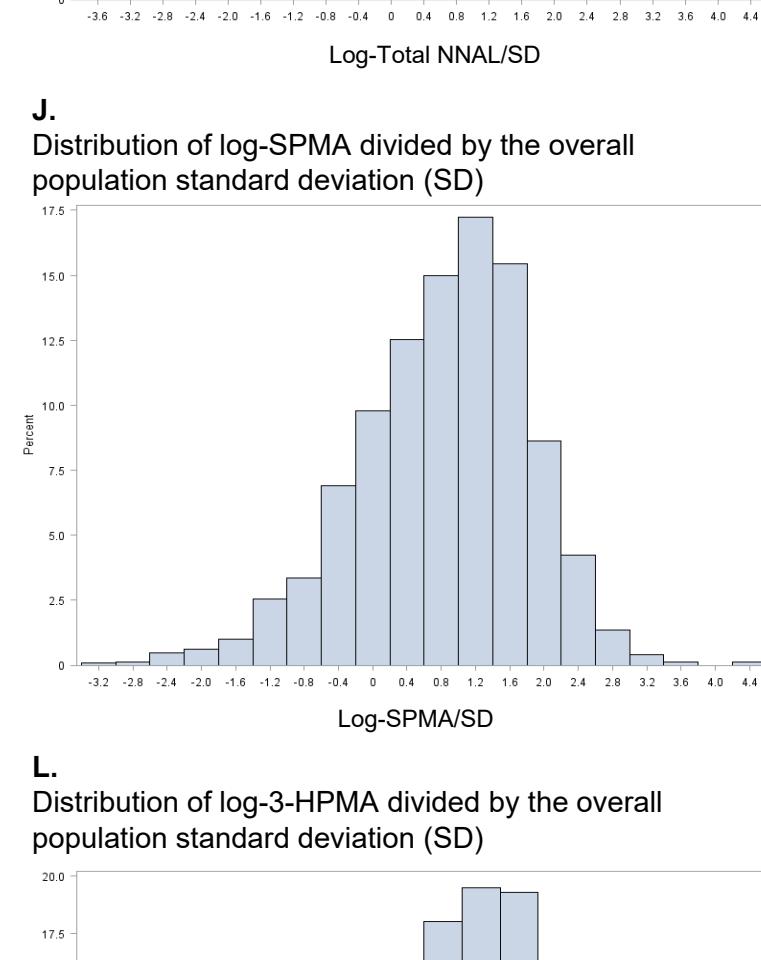
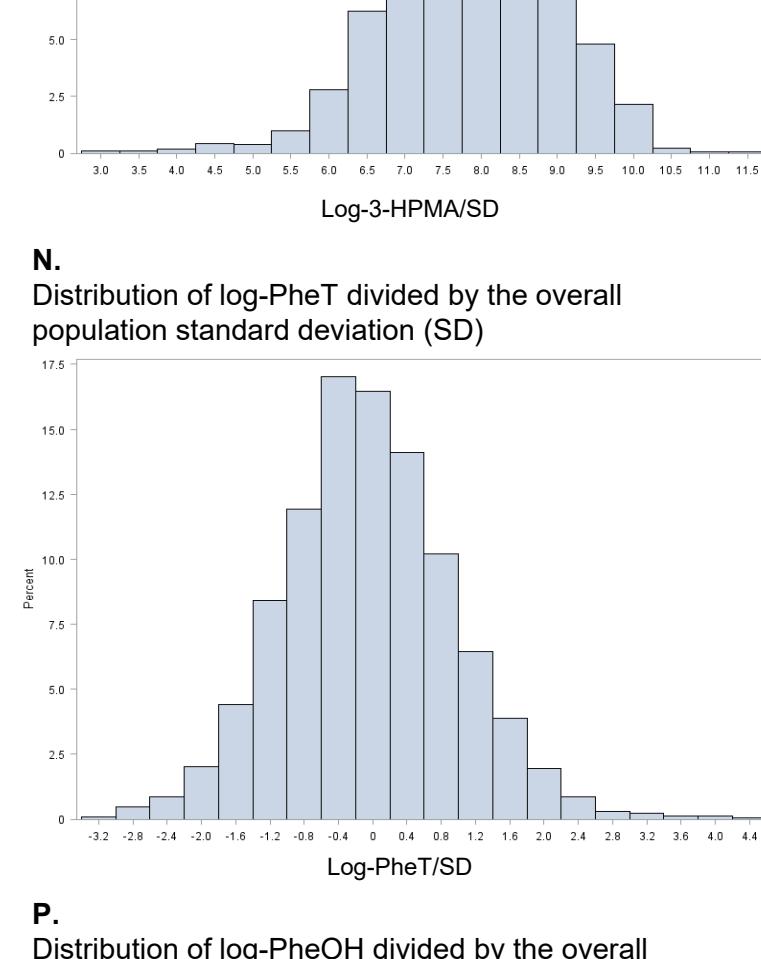
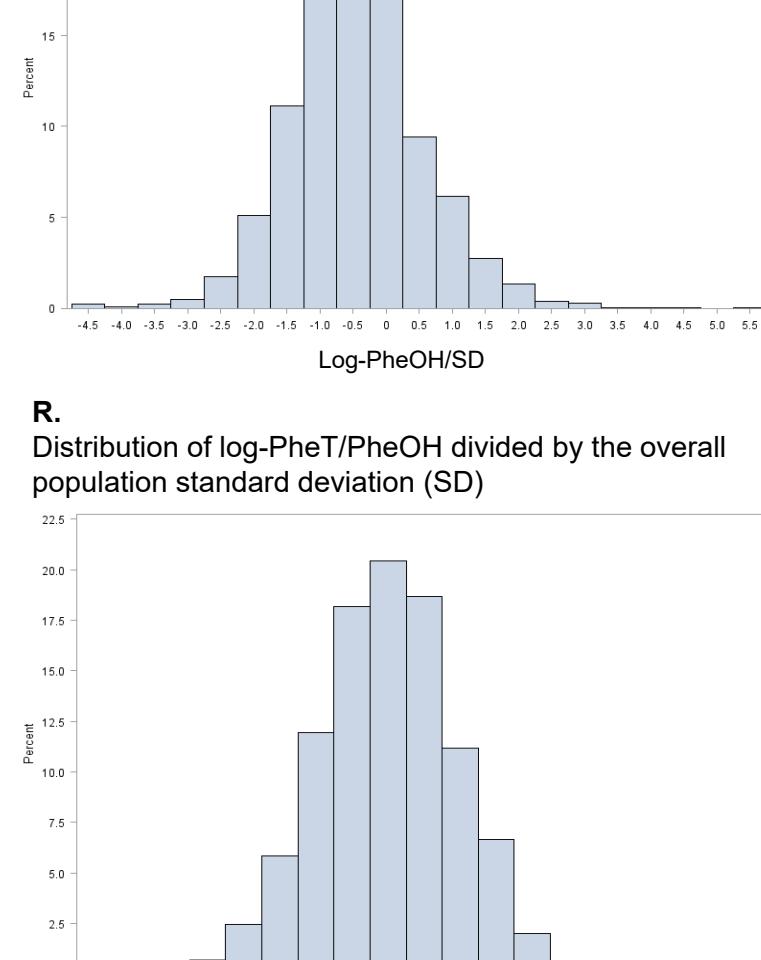
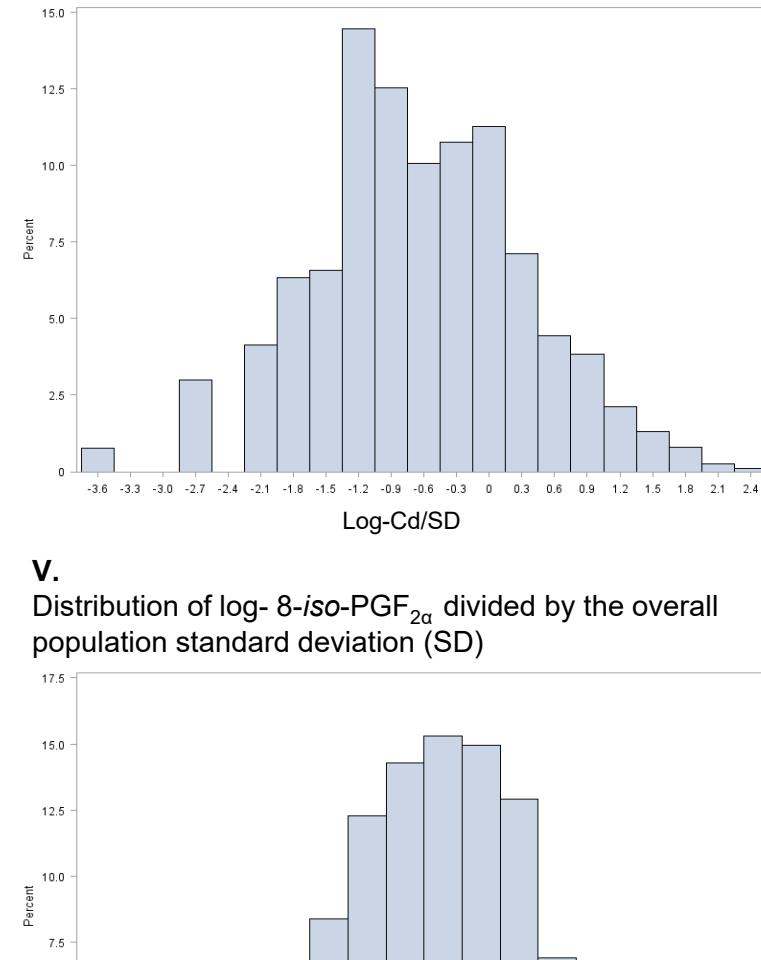
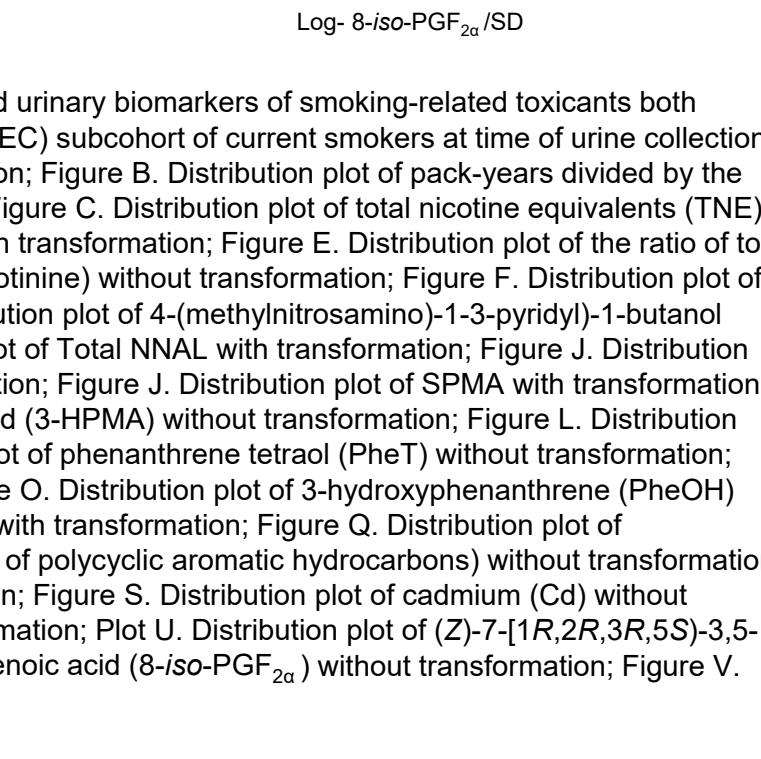


**A.**  
Distribution of pack-years**C.**  
Distribution of TNE (nmol/mL)**E.**  
Distribution of Total 3-HCOT/cotinine (nmol/mL)**G.**  
Distribution of Total NNAL (pmol/mL)**K.**  
Distribution of 3-HPMA (pmol/mL)**M.**  
Distribution of PheT (pmol/mL)**O.**  
Distribution of PheOH (pmol/mL)**Q.**  
Distribution of PheT/PheOH (pmol/mL)**S.**  
Distribution of Cd (nmol/mL)**U.**  
Distribution of 8-iso-PGF<sub>2α</sub> (pmol/mL)**B.**  
Distribution of log-pack-years divided by the overall population standard deviation (SD)**D.**  
Distribution of log-TNE divided by the overall population standard deviation (SD)**F.**  
Distribution of log- Total 3-HCOT divided by the overall population standard deviation (SD)**H.**  
Distribution of log-Total NNAL divided by the overall population standard deviation (SD)**J.**  
Distribution of log-SPMA divided by the overall population standard deviation (SD)**L.**  
Distribution of log-3-HPMA divided by the overall population standard deviation (SD)**N.**  
Distribution of log-PheT divided by the overall population standard deviation (SD)**P.**  
Distribution of log-PheOH divided by the overall population standard deviation (SD)**R.**  
Distribution of log-PheT/PheOH divided by the overall population standard deviation (SD)**T.**  
Distribution of log-Cd divided by the overall population standard deviation (SD)**V.**  
Distribution of log- 8-iso-PGF<sub>2α</sub> divided by the overall population standard deviation (SD)**W.**  
Distribution of log- 8-iso-PGF<sub>2α</sub> divided by the overall population standard deviation (SD)

**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-HCOT/cotinine (3-HCOT)/cotinine (Total 3-HCOT/cotinine) without transformation; Figure F. Distribution plot of (Total NNAL) without transformation; Figure G. Distribution plot of 4-(methylnitrosamo)-1-3-pyridyl-1-butanol (Total NNAL) with transformation; Figure H. Distribution plot of S-phenylmercapturic acid (SPMA) without transformation; Figure I. Distribution plot of S-phenylmercapturic acid (SPMA) with transformation; Figure J. Distribution plot of 3-HPMA without transformation; Figure K. Distribution plot of 3-HPMA with 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; Figure U. Distribution plot of (Z)-7-[1R,2R,3R,5S]-3,5-dihydroxy-2-[E,3]-3-hydroxyoct-1-enyl[cyclopentyl]hept-5-en-10-one (8-iso-PGF<sub>2α</sub>) without transformation; Figure V. Distribution plot of log- 8-iso-PGF<sub>2α</sub> without transformation; Figure W. Distribution plot of log- 8-iso-PGF<sub>2α</sub> with transformation.