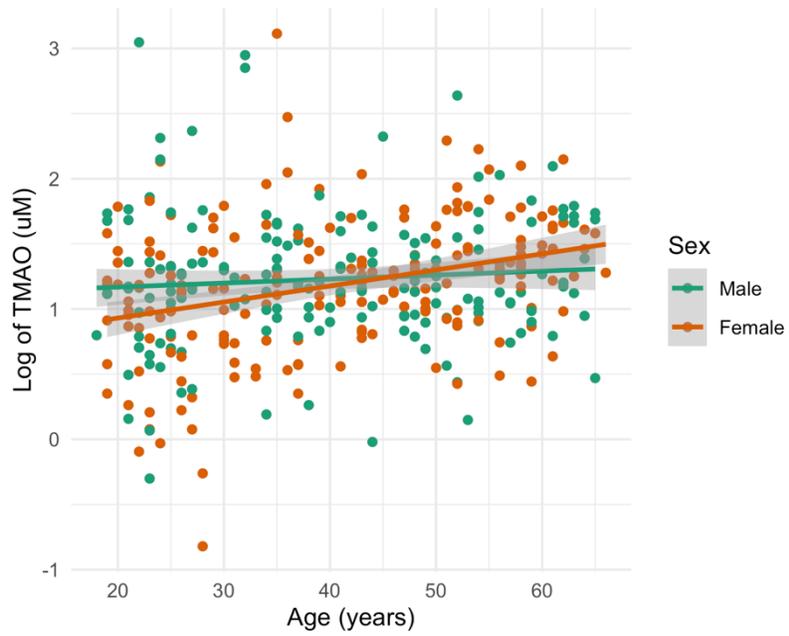
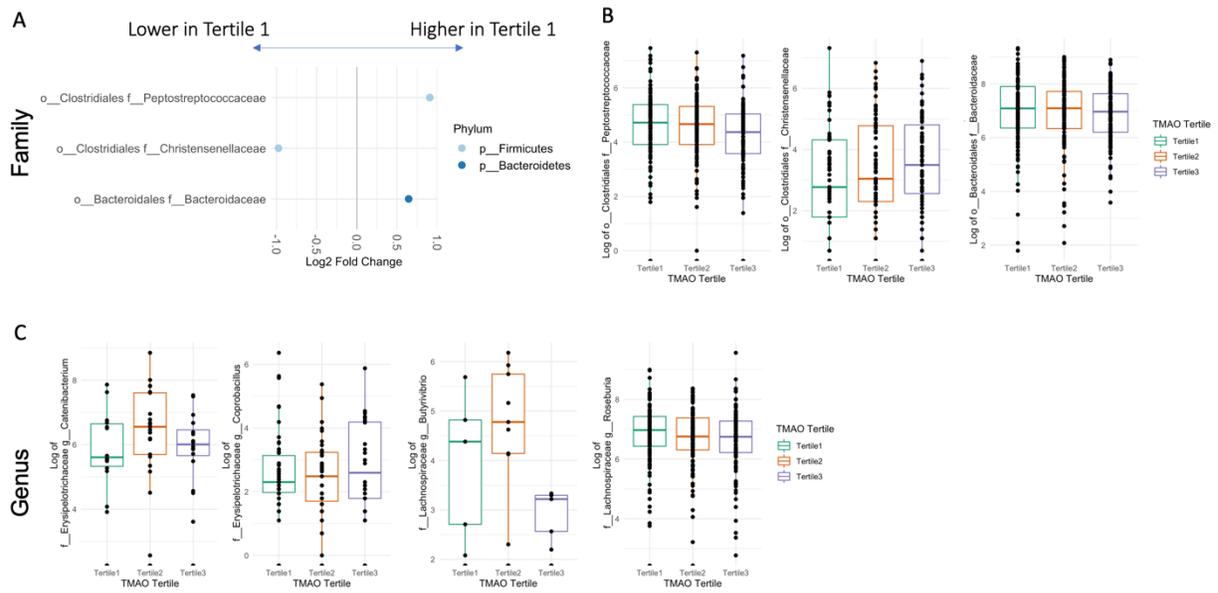


Supplemental Figure S1. Flow diagram of participants in the study and analyses.



Supplemental Figure S2. A significant sex by age interaction was identified with respect to fasting plasma TMAO concentrations ($P=0.026$).



Supplemental Figure S3. (A) Family that are differentially abundant between the low (TMAO 0.44-2.77 μM) and high TMAO tertile (TMAO 3.91-22.5 μM). The graph is relative to the low TMAO group such that points to the right of 0 are more abundant in participants with the lowest TMAO values. Distributions of the differentially abundant taxa by TMAO tertile at the (B) family and (C) genus levels.