



Supplemental Figure 4. Associations of particulate matter $\leq 2.5 \mu\text{m}$ ($\text{PM}_{2.5}$), nitrogen dioxide (NO_2), and ozone (O_3) with alanine aminotransferase (AST), alanine aminotransferase (ALT), and γ -glutamyltranspeptidase (γ -GTP) in unconstrained distributed lag models. Percent changes in the levels of AST, ALT, and γ -GTP by interquartile range increase of (A) $\text{PM}_{2.5}$, (B) NO_2 , and (C) O_3 concentrations were estimated by linear mixed models adjusted for age, sex, smoking status, mean temperature, dew point, season, body mass index, alcohol consumption, and amount of exercise. For details, see also Supplemental Table 5.