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Supplemental Material

Critical Windows for Associations between Manganese Exposure during Pregnancy and Size at Birth: A Longitudinal Cohort Study in Wuhan, China

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Figure S1. Relative exposure of Mn comparing newborns in the 10th percentile of birth weight, birth length, or Ponderal index with those in the 90th percentile among term births. Solid lines represent relative exposures of Mn through the whole pregnancy, comparing newborns in the 10th percentiles of A) birth weight, B) birth length, or C) Ponderal index to those in the 90th percentiles. Dotted lines represent pointwise 95% confidence intervals. Models were adjusted for gestational age at delivery, maternal age at recruitment, parity, pre-pregnancy BMI, alcohol consumption before pregnancy, active smoking before pregnancy, passive smoking during pregnancy, education, folic acid supplementation, physical activity during pregnancy, and infant sex. The model for birth length model was additionally adjusted for maternal and paternal height.

Figure S2. Relative exposure of Mn comparing newborns in the 10th percentile of birth weight, birth length, or Ponderal index with those in the 90th percentile among women who provided completed three urine samples. Solid lines represent relative exposures of Mn through the whole pregnancy, comparing newborns in the 10th percentiles of A) birth weight, B) birth length, or C) Ponderal index to those in the 90th percentiles. Dotted lines represent pointwise 95% confidence intervals. Models were adjusted for gestational age at delivery, maternal age at recruitment, parity, pre-pregnancy BMI, alcohol consumption before pregnancy, active smoking before pregnancy, passive smoking during pregnancy, education, folic acid supplementation, physical activity during pregnancy, and infant sex. The model for birth length model was additionally adjusted for maternal and paternal height.