

## Supplementary Materials

### Maternal Lead Exposure and Premature Rupture of Membranes: A

#### Birth Cohort Study in China

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**Table S1** Risk of PROM and preterm PROM associated with the levels of Pb in maternal urine, after excluding intrauterine infection, vaginitis, cervicitis, pelvic inflammatory disease, vaginal bleeding, polyhydramnios, and fetal malposition (n = 6553).

Pb ( $\mu\text{g/gcreatinine}$ )	case	OR <sup>a</sup> (95% CI)	OR <sup>b</sup> (95% CI)
<b>PROM</b>			
Tertile1 (< 2.65)	208	1.00	1.00
Tertile2 (2.65–4.71)	245	1.20 (0.99, 1.46)	1.20 (0.98, 1.46)
Tertile3 ( $\geq$ 4.71)	308	1.56 (1.29, 1.87)	1.55 (1.28, 1.87)
<i>p</i> for trend		< 0.01	< 0.01
<b>preterm PROM</b>			
Tertile1 (< 2.65)	33	1.00	1.00
Tertile2 (2.65–4.71)	38	1.15 (0.72, 1.85)	1.15 (0.72, 1.84)
Tertile3 ( $\geq$ 4.71)	53	1.62 (1.04, 2.51)	1.61 (1.04, 2.51)
<i>p</i> for trend		0.02	0.01

Abbreviations: OR, odds ratio; CI, confidence interval.

<sup>a</sup> Unadjusted odds ratio.

<sup>b</sup> Adjusted for maternal age, family income, pre-BMI, parity, passive smoking and pregnancy-induced hypertension.

**Table S2** Risk of PROM and preterm PROM associated with the levels of Pb in maternal urine, after excluding creatinine > 3 g/L (n = 7281).

Pb ( $\mu\text{g/gcreatinine}$ )	case	OR <sup>a</sup> (95% CI)	OR <sup>b</sup> (95% CI)
<b>PROM</b>			
Tertile1 (< 2.66)	241	1.00	1.00
Tertile2 (2.66–4.70)	290	1.23 (1.03, 1.47)	1.22 (1.02, 1.46)
Tertile3 ( $\geq$ 4.70)	349	1.52 (1.27, 1.81)	1.51 (1.26, 1.80)
<i>p</i> for trend		< 0.01	< 0.01
<b>preterm PROM</b>			
Tertile1 (< 2.66)	37	1.00	1.00
Tertile2 (2.66–4.70)	46	1.25 (0.81, 1.93)	1.24 (0.80, 1.92)
Tertile3 ( $\geq$ 4.70)	64	1.74 (1.16, 2.62)	1.73 (1.15, 2.60)
<i>p</i> for trend		< 0.01	0.01

Abbreviations: OR, odds ratio; CI, confidence interval.

<sup>a</sup> Unadjusted odds ratio.

<sup>b</sup> Adjusted for maternal age, family income, pre-BMI, parity, passive smoking and pregnancy-induced hypertension.