



**Figure S4.** Gestational weight gain and the risks of pregnancy complications<sup>a</sup>

<sup>a</sup>Values are odds ratios (95% confidence intervals) on a log scale from multilevel binary logistic regression models that reflect the risk of pregnancy complications per gestational weight gain group compared with the reference group (largest group, -1.0 to -0.1 SD). The bars represent the percentage of each pregnancy complication per gestational weight gain group. Mothers diagnosed with pre-eclampsia were excluded from the models for gestational hypertension. The reference group for the analyses on pre-eclampsia comprises the mothers without both pre-eclampsia and gestational hypertension. The reference group for the analyses on small and large size for gestational age at birth is appropriate size for gestational age at birth. Models are unadjusted. Excel's trendline function was used to fit the curve to the data. The risks of pregnancy complications per SD increase in gestational weight gain were: gestational hypertension OR 1.11 (95% CI: 1.09, 1.13), pre-eclampsia OR 1.05 (95% CI: 1.03, 1.07), gestational diabetes OR 1.15 (95% CI: 1.11, 1.19), preterm birth OR 1.11 (95% CI: 1.09, 1.13), small size for gestational age at birth OR 0.77 (95% CI: 0.76, 0.78), and large size for gestational age at birth OR 1.42 (95% CI 1.40, 1.44).