**Supplemental Table 2** RRs of Gestational diabetes mellitus (GDM) according to quartiles of individual fruit intake stratified by pre-pregnancy BMI and family history of diabetes

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Pre-pregnancy BMI | |  | Family history of diabetes | |
| <24 kg/m2 | ≥24 (kg/m2) | yes | no |
| Apple |  |  |  |  |  |
| Q1 | 1.00 | 1.00 | 1.00 | 1.00 |
| Q2 | 1.19 (0.86, 1.65) | 1.54 (0.82, 2.89) | 1.68 (0.96, 2.96) | 1.01 (0.68, 1.50) |
| Q3 | 1.22 (0.99, 1.47) | 0.84 (0.54, 1.32) | 0.94 (0.63, 1.39) | 1.19 (0.98, 1.44) |
| Q4 | 1.19 (0.99, 1.44) | 1.30 (0.85, 1.98) | 1.41 (0.97, 2.07) | 1.14 (0.94, 1.38) |
| *P*-trend | 0.074 | 0.679 | 0.343 | 0.147 |
| Banana |  |  |  |  |
| Q1 | 1.00 | 1.00 | 1.00 | 1.00 |
| Q2 | 1.08 (0.87, 1.35) | 1.32 (0.76, 2.30) | 1.15 (0.75, 1.78) | 1.11 (0.89, 1.39) |
| Q3 | 0.84 (0.59, 1.19) | 1.16 (0.71, 1.90) | 0.47 (0.18, 1.28) | 1.00 (0.73, 1.38) |
| Q4 | 1.00 (0.78, 1.30) | 0.71 (0.25, 1.99) | 1.04 (0.58, 1.86) | 0.97 (0.74, 1.29) |
| *P*-trend | 0.897 | 0.953 | 0.692 | 0.939 |
| Grape |  |  |  |  |
| Q1 | 1.00 | 1.00 | 1.00 | 1.00 |
| Q2 | 1.10 (0.81, 1.49) | 0.65 (0.31, 1.38) | 0.76 (0.37, 1.58) | 1.13 (0.84, 1.53) |
| Q3 | 1.26 (0.96, 1.65) | 0.60 (0.27, 1.34) | 0.81 (0.41, 1.58) | 1.22 (0.91, 1.63) |
| Q4 | 0.67 (0.43, 1.00) | 0.38 (0.10, 1.37) | 0.42 (0.18, 0.98) | 0.72 (0.44, 1.16) |
| *P*-trend | 0.158 | 0.128 | 0.043 | 0.279 |
| Pear |  |  |  |  |  |
| Q1 | 1.00 | 1.00 |  | 1.00 | 1.00 |
| Q2 | 0.91 (0.71, 1.18) | 1.64 (1.00, 2.69) |  | 0.96 (0.55, 1.66) | 0.97 (0.76, 1.25) |
| Q3 | 0.98 (0.65, 1.47) | 1.22 (0.42, 3.52) |  | 0.86 (0.29, 2.58) | 1.04 (0.69, 1.57) |
| Q4 | 1.20 (0.90, 1.61) | 0.92 (0.25, 3.41) |  | 1.53 (0.74, 3.17) | 1.16 (0.85, 1.59) |
| *P*-trend | 0.422 | 0.507 |  | 0.430 | 0.419 |
| Peach |  |  |  |  |  |
| Q1 | 1.00 | 1.00 |  | 1.00 | 1.00 |
| Q2 | 0.98 (0.69, 1.38) | 0.57 (0.23, 1.45) |  | 1.14 (0.68, 1.91) | 0.85 (0.58, 1.25) |
| Q3 | 0.94 (0.69, 1.29) | 1.25 (0.65, 2.38) |  | 1.07 (0.70, 1.64) | 0.93 (0.65, 1.35) |
| Q4 | 1.21 (0.89, 1.66) | 1.49 (0.57, 3.90) |  | 1.06 (0.49, 2.29) | 1.17 (0.86, 1.60) |
| *P*-trend | 0.409 | 0.494 |  | 0.699 | 0.555 |
| Other fruits |  |  |  |  |  |
| Q1 | 1.00 | 1.00 |  | 1.00 | 1.00 |
| Q2 | 1.13 (0.92, 1.40) | 1.43 (0.90, 2.30) |  | 1.20 (0.78, 1.85) | 1.17 (0.95, 1.45) |
| Q3 | 1.13 (0.91, 1.41) | 1.25 (0.74, 2.01) |  | 1.24 (0.82, 1.87) | 1.12 (0.90, 1.41) |
| Q4 | 1.07 (0.84, 1.33) | 1.23 (0.75, 2.01) |  | 1.28 (0.80, 2.06) | 1.09 (0.87, 1.38) |
| *P*-trend | 0.866 | 0.648 |  | 0.349 | 0.772 |

Models Adjusted for age (years); pre-pregnancy BMI (kg/m2 ); educational level (≤ 12; 13-15; ≥ 16 years); family income level ( ≤ 2999; 3000-4999; 5000-9999; ≥ 10000 CNY/month); family history of diabetes (yes/no); parity (1; ≥ 2); smoking (yes/no); alcohol consumption (yes/no); physical activity (MET h/week); energy (kJ/d);vegetables (g/d); whole grains (g/d); beverage (0; ≥1) dietary fibre (g/d) and anthocyanin intake from fruits, and relevant individual fruits were mutually adjusted in each model.