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| **Supplemental Table S1** Associations between maternal PUFA intake and birthweight, birth length, and gestational age  |
|  | **β (95% CI) in offspring adiposity per 1 SD maternal PUFA intake during pregnancy** |
|  | **Birthweight (kg)a** | **Birth length (cm)a** | **Gestational Age (weeks)b** |
| **1st trimester intake** |   |   |   |
| *N-3 PUFA* |  |  |  |
| ALA | -0.02 (-0.08, 0.03) | -0.14 (-0.41, 0.12) | 0.11 (-0.54, 0.76) |
| EPA | -0.02 (-0.07, 0.04) | -0.11 (-0.36, 0.144) | -0.11 (-0.89, 0.67) |
| DHA | -0.02 (-0.07, 0.04) | -0.13 (-0.39, 0.14) | -0.11 (-0.92, 0.69) |
| *N-6 PUFA* |  |  |  |
| LA | -0.01 (-0.07, 0.04) | 0.03 (-0.22, 0.28) | 0.05 (-0.72, 0.82) |
| AA | -0.02 (-0.07, 0.04) | -0.13 (-0.39, 0.12) | -0.14 (-0.93, 0.65) |
| AA: EPA+DHA | 0.00 (-0.06, 0.05) | -0.01 (-0.28, 0.25) | -0.37 (-1.17, 0.44) |
| **2nd trimester intake** |  |  |  |
| *N-3 PUFA* |  |  |  |
| ALA | -0.06 (-0.11, 0.00) | -0.25 (-0.51, 0.02) | 0.45 (-0.19, 1.08) |
| EPA | **-0.07 (-0.12, -0.02)** | **-0.34 (-0.59, -0.10)** | 0.01 (-0.78, 0.80) |
| DHA | **-0.07 (-0.12, -0.02)** | **-0.34 (-0.59, -0.09)** | 0.03 (-0.77, 0.83) |
| *N-6 PUFA* |  |  |  |
| LA | -0.02 (-0.07, 0.03) | -0.14 (-0.39, 0.11) | 0.03 (-0.72, 0.78) |
| AA | **-0.07 (-0.12, -0.01)** | **-0.34 (-0.59, -0.09)** | 0.00 (-0.80, 0.79) |
| AA: EPA+DHA | 0.04 (-0.01, 0.10) | 0.19 (-0.08, 0.45) | 0.18 (-0.63, 0.98) |
| **3rd trimester intake** |  |  |  |
| *N-3 PUFA* |  |  |  |
| ALA | **-0.07 (-0.13, -0.02)** | **-0.31 (-0.57, -0.05)** | -0.02 (-0.90, 0.86) |
| EPA | -0.05 (-0.10, 0.01) | **-0.28 (-0.53, -0.03)** | 0.26 (-0.53, 1.05) |
| DHA | -0.05 (-0.10, 0.01) | **-0.28 (-0.53, -0.03)** | 0.24 (-0.54, 1.03) |
| *N-6 PUFA* |  |  |  |
| LA | -0.02 (-0.07, 0.03) | -0.07 (-0.032, 0.18) | -0.18 (-0.93, 0.58) |
| AA | -0.05 (-0.10, 0.01) | -0.29 (-0.53, -0.04) | 0.20 (-0.59, 1.00) |
| AA: EPA+DHA | 0.01 (-0.05, 0.06) | 0.01 (-0.25, 0.27) | -0.46 (-1.26, 0.34) |
| **Abbreviations:** PUFA: polyunsaturated fatty acids, ALA: α-linolenic acid, EPA: eicosapentaenoic acid, DHA: docosahexaenoic acid, LA: linoleic acid, AA: arachidonic acid, SD: standard deviation, CI: confidence interval. **a** Estimates are adjusted for mother's education, gestational age, parity, and child's sex |
| **b** Estimates are adjusted for mother's education and parity, and child's sex |  |  |  |