SUPPLEMENTAL MATERIAL

**Supplemental Table 1.** Bivariate associations ofblood analytes with participant characteristics, test-statisticsa,b,c shown

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Uninhibited TNF-α (pg/mL) | DEX IC50 (nmol/L) | Max-inhibition TNF-α (pg/mL) | CRP(mg/L) | IFN-γ (pg/mL | IL-6(pg/mL) | IL-10(pg/mL) | TNF-α(pg/mL) | Absolute Basophils (103/µL) | Absolute Eosinophils (103/µL) | Absolute Lymphocytes (103/µL) | Absolute Monocytes (103/µL) | Absolute Neutrophils (103/µL) |
| Agea (years) | 0.01 | 0.02 | 0.01 | 0.10 | -0.10 | **0.2\*** | -0.1 | -0.01 | -0.05 | 0.05 | 0.07 | -0.02 | 0.02 |
| First-trimester BMIa | -0.03 | 0.01 | **-0.12\*** | **0.52\*\*\*** | 0.01 | **0.34\*\*\*** | -0.06 | -0.05 | 0.01 | **0.13\*** | **0.16\*\*** | 0.03 | 0.02 |
| Educationb | -0.37 | 0.31 | 0.12 | 0.19 | -0.52 | **-1.79+** | 0.27 | 0.78 | 0.03 | 0.05 | 0.59 | 1.44 | 0.1 |
| Gestational age at blood drawa (weeks) | -0.09 | -0.07 | -0.04 | 0.06 | -0.09 | 0.01 | 0.001 | -0.04 | -0.05 | **0.19\*\*** | -0.06 | -0.05 | **0.15\*\*** |
| Gestational diabetesb | 0.26 | 1.03 | 1.08 | -0.14 | **2.14\*** | 0.43 | 0.48 | 0.37 | 1.3 | 0.19 | -0.79 | -1.07 | 0.34 |
| Hypertensionb | -1.18 | 0.03 | 1.5 | -0.57 | -0.52 | -1.57 | 0.41 | -1.74 | -0.54 | -0.6 | **-2.03\*** | **-2.29\*** | -0.95 |
| Insurance typeb | -1.44 | -0.48 | 0.24 | **-2.12\*** | 0.83 | **-2.16\*** | 1.48 | **2.89\*\*** | -0.3 | -1.74 | 0.85 | -1.21 | -0.66 |
| Parityc | 2.59 | **2.78\*** | 0.61 | 1.08 | 0.53 | 0.86 | 0.9 | 0.41 | 1.29 | 0.79 | 0.58 | **4.05\*\*** | 1.39 |
| Relationship statusb | 0.24 | 0.81 | **2.73\*\*** | 0.65 | -0.40 | 0.36 | 0.15 | 0.38 | 0.19 | -0.91 | -1.24 | -0.32 | 1.26 |

Variable (n, % missing): first-trimester BMI (26, 6.4), education (1, 0.2), gestational age at blood draw (26, 6.4), gravidity (26, 6.4), hypertension (38, 9.3), parity (17, 4.2), relationship status (7, 1.7); all plasma inflammatory markers: 224 (54.9); all other variables complete (i.e., n=408).

aPearson correlation coefficient, r, shown

bT statistic shown

cF statistic shown

**\***p<.05

**\*\***p<.01

**\*\*\***p<.0001

**Supplemental Table 2.** Bivariate associations ofblood analytes with participant characteristics, showing significant differences in means [95% CI] for categorical variables from Supplemental Table 1

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Uninhibited TNF-α (pg/mL) | DEX IC50 (nmol/L) | Max-inhibition TNF-α (pg/mL) | CRP(mg/L) | IFN-γ (pg/mL | IL-6(pg/mL) | IL-10(pg/mL) | TNF-α(pg/mL) | Absolute Basophils (103/µL) | Absolute Eosinophils (103/µL) | Absolute Lymphocytes (103/µL) | Absolute Monocytes (103/µL) | Absolute Neutrophils (103/µL) |
| Educationa | *n.s.* | *n.s.* | *n.s.* | *n.s.* | *n.s.* | 0.19 [-0.02, 0.40] | *n.s.* | *n.s.* | *n.s.* | *n.s.* | *n.s.* | *n.s.* | *n.s.* |
| Gestational diabetesb | *n.s.* | *n.s.* | *n.s.* | *n.s.* | 2.41 [0.07-4.74] | *n.s.* | *n.s.* | *n.s.* | *n.s.* | *n.s.* | *n.s.* | *n.s.* | *n.s.* |
| Hypertensionc | *n.s.* | *n.s.* | *n.s.* | *n.s.* | *n.s.* | *n.s.* | *n.s.* | *n.s.* | *n.s.* | *n.s.* | 0.18 [0.01-0.35] | 0.08 [0.02-0.13] |  |
| Insurance typed | *n.s.* | *n.s.* | *n.s.* | 0.40 [0.04-0.77] | *n.s.* | 0.32 [0.07-0.57] | *n.s.* | 0.82 [0.01-1.64] | *n.s.* | *n.s.* | *n.s.* | *n.s.* | *n.s.* |
| Paritye | *n.s.* | 0.14 [0.01-0.27] | *n.s.* | *n.s.* | *n.s.* | *n.s.* | *n.s.* | *n.s.* | *n.s.* | *n.s.* | *n.s.* | 0.09 [0.02-0.16] | *n.s.* |
| Relationship statusf | *n.s.* | *n.s.* | 0.23 [0.06-0.41] | *n.s.* | *n.s.* | *n.s.* | *n.s.* | *n.s.* | *n.s.* | *n.s.* | *n.s.* | *n.s.* | *n.s.* |

*n.s.* indicates not significant at p<.05

Variable (n, % missing): first-trimester BMI (26, 6.4), education (1, 0.2), gestational age at blood draw (26, 6.4), gravidity (26, 6.4), hypertension (38, 9.3), parity (17, 4.2), relationship status (7, 1.7); all plasma inflammatory markers: 224 (54.9); all other variables complete (i.e., n=408).

aEducation is a 2-level variable: College educated, Not college educated. Mean IL-6 was higher among women with at least some college education.

bGestational diabetes is a 2-level variable: Gestational diabetes, No gestational diabetes. IFN-γwas higher among those without gestational diabetes.

cHypertension is a 2-level variable: Any hypertensive diagnosis, No hypertensive diagnosis. Absolute lymphocytes and monocytes were higher among women with a hypertensive diagnosis.

dInsurance type is a 2-level variable: Public insurance (i.e., Medicaid), Private insurance. Mean CRP & IL-6 were higher among women with private insurance. Mean TNF-α was higher among women receiving Medicaid.

eParity is a 4-level variable: 0 prior births, 1, 2, 3+. For DEX IC50, the only significant difference in means was between the 1 prior birth and 3+ prior births groups, where the mean was higher among those with 3+ prior births. For Absolute Monocytes, the only significant difference in means was between the 0 prior births and 2 prior births groups, where the mean was higher among those with 0 prior births.

fRelationship status is a 2-level variable: Partnered, Not partnered. Max-inhibition TNF-α was higher among women who were Not partnered