Supplementary Files

**Title:** Comparison of fetal growth by maternal prenatal acetaminophen use

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**Supplemental Table S1** - Frequency of maternal acetaminophen use at enrollment and study visits, NICHD Fetal Growth Studies- Singletons.
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### Women taking only 1 APAP medication

| Use Frequency                  | Enrollment (n=474) | Visit 1 (n=465) | Visit 2 (n=347) | Visit 3 (n=269) | Visit 4 (n=220) | Visit 5 (n=85) |
|-------------------------------|-------------------|-----------------|-----------------|-----------------|-----------------|----------------|
| 1 - Less than once a month    | 133 (28.1)        | 99 (21.3)       | 68 (19.6)       | 58 (21.6)       | 40 (18.18)      | 9 (10.6)       |
| 2 - Once a month              | 69 (14.6)         | 59 (12.7)       | 46 (13.3)       | 33 (12.3)       | 24 (10.91)      | 17 (20.0)      |
| 3 - 2-3 times a month*        | 114 (24.1)        | 139 (29.9)      | 109 (31.4)      | 76 (28.3)       | 52 (23.64)      | 15 (17.7)      |
| 4 - 1-2 times a week          | 95 (20.0)         | 106 (22.8)      | 75 (21.6)       | 50 (18.6)       | 50 (22.73)      | 23 (27.1)      |
| 5 - 3-4 times a week          | 30 (6.3)          | 31 (6.7)        | 24 (6.9)        | 30 (11.2)       | 24 (10.91)      | 7 (8.2)        |
| 6 - 5-6 times a week          | 10 (2.1)          | 4 (0.9)         | 7 (2.0)         | 5 (1.9)         | 8 (3.64)        | 2 (2.4)        |
| 7 - Everyday                  | 20 (4.2)          | 26 (5.6)        | 18 (5.2)        | 16 (6.0)        | 22 (10)         | 12 (14.1)      |
| 98 - Don't Know               | 3 (0.6)           | 1 (0.2)         | 0 (0.0)         | 1 (0.4)         | 0 (0.0)         | 0 (0.0)        |

### Women taking 2 APAP medications

| Use Frequency                  | Enrollment (n=10) | Visit 1 (n=21) | Visit 2 (n=9) | Visit 3 (n=13) | Visit 4 (n=13) | Visit 5 (n=3) |
|-------------------------------|------------------|----------------|--------------|----------------|----------------|--------------|
| 1 - Less than once a month    | 4 (40)           | 6 (28.6)       | 1 (11.1)     | 5 (38.5)       | 4 (30.8)       | 1 (33.3)     |
| 2 - Once a month              | 4 (40)           | 4 (19)         | 0 (0.0)      | 1 (7.7)        | 0 (0.0)        | 0 (0.0)      |
| 3 - 2-3 times a month*        | 6 (60)           | 11 (52.4)      | 4 (44.4)     | 6 (46.2)       | 5 (38.5)       | 0 (0.0)      |
| 4 - 1-2 times a week          | 2 (20)           | 5 (23.8)       | 6 (66.7)     | 3 (23.1)       | 3 (23.1)       | 2 (66.7)     |
| 5 - 3-4 times a week          | 2 (20)           | 5 (23.8)       | 2 (22.2)     | 4 (30.8)       | 4 (30.8)       | 0 (0.0)      |
| 6 - 5-6 times a week          | 1 (10)           | 3 (14.3)       | 1 (11.1)     | 1 (7.7)        | 3 (23.1)       | 0 (0.0)      |
| 7 - Everyday                  | 0 (0.0)          | 1 (4.8)        | 1 (11.1)     | 3 (23.1)       | 4 (30.8)       | 2 (66.7)     |
| 98 - Don't Know               | 0 (0.0)          | 0 (0.0)        | 0 (0.0)      | 0 (0.0)        | 0 (0.0)        | 0 (0.0)      |

Abbreviation: APAP, acetaminophen.

*women reported taking an acetaminophen containing medication 2-3 times a month but less than once a week.
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Supplemental Table S2 - Use patterns of maternal acetaminophen use at enrollment and study visits, NICHD Fetal Growth Studies- Singletons.
### Supplemental Table S2 - Use patterns of maternal acetaminophen use at enrollment and study visits, NICHD Fetal Growth Studies- Singletons (N=2312).

| Use Pattern                                      | n   | %   |
|--------------------------------------------------|-----|-----|
| **Trimester**                                    |     |     |
| No use during gestation                          | 1374| 59.4|
| 1st trimester only                               | 153 | 6.6 |
| 2nd trimester only                               | 179 | 7.7 |
| 3rd trimester only                               | 138 | 6.0 |
| only 1st & 2nd trimesters                        | 105 | 4.5 |
| only 2nd & 3rd trimesters                        | 137 | 5.9 |
| only 1st & 3rd trimesters                        | 69  | 3.0 |
| Every trimester                                  | 157 | 6.8 |
| **Visit**                                        |     |     |
| Only Baseline                                    | 153 | 6.6 |
| Only Visit 1                                     | 129 | 5.6 |
| Only Visit 2                                     | 61  | 2.6 |
| Only Visit 3                                     | 43  | 1.9 |
| Only Visit 4                                     | 31  | 1.3 |
| Only Visit 5                                     | 8   | 0.3 |
| Every Visit (Baseline - Visit 5)                 | 18  | 0.8 |
| **Sporadic Pattern**                             | 495 | 21.4|
| *Sporadic use patterns*                          |     |     |
| Baseline & Visit 1 only                          | 71  | 7.6 |
| Baseline - Visit 2 only                          | 31  | 3.3 |
| Baseline - Visit 3 only                          | 0   | 0.0 |
| Baseline - Visit 4 only                          | 0   | 0.0 |
| Baseline - Visit 5 only                          | 18  | 1.9 |
| Visit 1 & 2 only                                 | 27  | 2.9 |
| Visit 1 - 3 only                                 | 16  | 1.7 |
| Visit 1 - 4 only                                 | 11  | 1.2 |
| Visit 1 - 5 only                                 | 2   | 0.2 |

*All patterns are not reflected in this table.