**Supplementary Table 1: Characteristics of 208 Women Living with HIV in Denmark (2000-2018) Who Had Vitamin D Status Assessed During Pregnancy**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
|  | TotalNo. (%)\* (n = 208) | D-vit ≤50 nmol/LNo. (%)\* (n = 99) | D-vit >50 nmol/LNo. (%)\* (n = 109) | P-value\*\* |
| **Maternal age** |  |  |  |  |
| Mean in years ± SD | 32.7 ± 5.3 | 32 ± 4.9 | 33.2 ± 5.5 | 0.1 |
| **Maternal region of birth** |  |  | **<0.01** |
| Denmark | 36 (17) | 7 (7) | 29 (27) |  |
| Africa | 135 (65) | 73 (74) | 63 (57) |  |
| Asia | 23 (11) | 14 (14) | 9 (8) |  |
| Other/unknown | 14 (7) | 5 (5) | 9 (8) |  |
| **CD4 cell count prior to delivery**  |  | 0.89 |
| ≥500 cells/µL  | 95 (46) | 42 (43) | 53 (49) |  |
| 300 - 499 cells/µL  | 75 (36) | 38 (38) | 37 (34) |  |
| <300 cells/µL  | 30 (14) | 16 (16) | 14 (13) |  |
| CD4 cell count information missing | 8 (4) | 3 (3) | 5 (4) |  |
| **HIV RNA viral load prior to delivery** |  | 0.96 |
| <50 copies/mL | 181 (45) | 86 (86) | 95 (88) |  |
| ≥50 copies/mL | 25 (40) | 12 (12) | 13 (12) |  |
| HIV RNA viral load information missing | 2 (15) | 2 (2) | 0 (0) |  |
| **ART treatment**  |  |  | 0 .7 |
| NRTI+PI | 152 (73) | 74 (75) | 78 (72) |  |
| NRTI + NNRTi | 22 (11) | 7 (7) | 15 (14) |  |
| NRTI + InST | 12 (6) | 6 (6) | 6 (6) |  |
| Other | 22 (11) | 12 (12) | 10 (9) |  |
| **Pre-pregnancy BMI** |  |  | 0.33 |
| Mean kg/m2 ± SD | 24.3 ± 5 | 24.7 ± 5.5 | 23.9 ± 4.4 |  |
| Pre-pregnancy BMI information missing | 63 (30) | 26 (26) | 37 (34) |  |
| **Maternal smoking in pregnancy** |  | 0.97 |
| Yes | 28 (13) | 13 (13) | 15 (14) |  |
| Smoking information missing | 5 (2) | 4 (4) | 1 (1) |  |
| **Season for Vitamin D**  |  |  | 0.24 |
| Spring | 49 (24) | 22 (22) | 27 (25) |  |
| Summer | 42 (20) | 16 (16) | 26 (24) |  |
| Autumn | 58 (28) | 30 (31) | 28 (26) |  |
| Winter | 57 (28) | 30 (31) | 27 (25) |  |
| **Infant** |  |  |  |  |
| **Preterm Birth (<37 weeks)** |  |  | 0.8 |
| Yes | 20 (10) | 9 (9) | 11 (0.1) |  |
| Gestational week information missing | 9 (4) | 4 (4) | 5 (4) |  |
| **Birth Weight** |  |  |  | 0.42 |
| Mean in gram ± SD | 3199 ± 631.5 | 3148 ± 668.1 | 3221 ± 598.1 |  |
| Birth weight information missing | 14 (7) | 7 (7) | 7 (6) |  |
| **SGA** |  |  |  | 0.8 |
| Yes | 29 (14) | 13 (13) | 16 (15) |  |
| \*Data represent no. (%) of women unless otherwise specified \*\*Significant p<0.05 |  |  |  |  |