**Supplementary Table 4: Association of Vitamin D Status and Birth Outcomes Among 208 Pregnant Women Living with HIV in Denmark (2000-2018)**

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|  |
|  |   | Mean difference [95% CI] |   |  | Mean difference [95% CI] |   |
|  | Mean (SD) | Univariable | *p-value* |  | Multivariable\* | *p-value* |
| **Birth weight (gram)** |  |  |  |  |  |  |
| Sufficient >50 nmol/L | 3,244 (553) | Ref |  |  | Ref |  |
| Insufficient 25-50 nmol/L | 3,133 (582) | -110 [-295 ; 73] | 0.24 |  | -17 [-279 ; 245] | 0.90 |
| Deficient < 25 nmol/L | 3,186 (860) | -58 [-409 ; 293] | 0.75 |  | -241 [-672 ; 189] | 0.27 |
| **Gestational duration (weeks)** |  |  |  |  |  |  |
| Sufficient >50 nmol/L | 38.71 (1.82) | Ref |  |  | Ref |  |
| Insufficient 25-50 nmol/L | 38.34 (2.06) | -0.37 [-97 ; 0.89] | 0.28 |  | 0.08 [-0.76 ; 0.92] | 0.84 |
| Deficient < 25 nmol/L | 38.22 (3.45) | -0.48 [-1.87 ; 0.90] | 0.50 |  | -0.41 [-2.02 ; 1.20] | 0.62 |
|   |   | Relative Risk [95% CI] |   |   | Relative Risk [95% CI] |   |
|  | n/N | Univariable | *p-value* |  | Multivariable\* | *p-value* |
| **Preterm birth (<37 weeks)** |  |  |  |  |  |  |
| Sufficient >50 nmol/L | 9/100 | Ref |  |  | Ref |  |
| Insufficient 25-50 nmol/L | 5/70 | 0.79 [0.27 ; 2.36] | 0.68 |  | 0.23 [0.04 ; 1.44] | 0.12 |
| Deficient < 25 nmol/L | 4/27 | 1.64 [0.53 ; 5.11] | 0.39 |  | 2.66 [1.10 ; 6.44] | **0.03** |
| **SGA** |  |  |  |  |  |  |
| Sufficient >50 nmol/L | 16/95 | Ref |  |  | Ref |  |
| Insufficient 25-50 nmol/L | 6/61 | 0.58 [0.23 ; 1.46] | 0.25 |  | 1.12 [0.26 ; 4.79] | 0.88 |
| Deficient < 25 nmol/L | 7/23 | 1.81 [0.81 ; 4.00] | 0.15 |  |  6.83 [1.35 ; 34.70] | **0.02** |
| \*Adjusted for maternal age, maternal country of birth, HIV RNA prior to delivery, maternal smoking and child sex |