**Supplementary Material**

**Table S1.** Number and percentages (%) of birth defects overall and by cohort among singleton pregnancies.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Overall**  **24,963**  **N (%)** | **Madrid**  **665**  **N (%)** | **NENEXP**  **650**  **N (%)** | **ECS**  **9556**  **N (%)** |
| **Birth defects** |  |  |  |  |
| Number of infants with at least one birth defect  In pregnancies not exposed to ART at conception/1st trimester  In pregnancies exposed to EFV at conception/1st trimester  In pregnancies exposed to other ART at conception/1st trimester | 412 (1.6)  210 (1.3)  19 (1.6)  183 (2.4) | 38 (5.7)  11 (4.1)  2 (5.7)  25 (6.9) | 36 (5.5)  12 (5.7)  0 (0)  24 (5.7) | 41 (0.4)  30 (0.4)  0 (0)  11 (0.9) |
|  | **MoCHIV**  **507** | **NSHPC**  **13’421** | **Victor**  **105** | **PHPT**  **59** |
| **Birth defects** |  |  |  |  |
| Number of infants with at least one birth defect  In pregnancies not exposed to ART at conception/1st trimester  In pregnancies exposed to EFV at conception/1st trimester  In pregnancies exposed to other ART at conception/1st trimester | 23 (4.5)  9 (4.3)  0 (0)  14 (5.3) | 270 (2.0)  147 (2.0)  16 (1.6)  107 (2.1) | 3 (2.9)  1 (2.7)  1 (16.7)  1 (1.6) | 1 (1.7)  0 (0)  0 (0)  1 (2.9) |

ART: antiretroviral therapy; EFV: efavirenz