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| S5 Table | Descriptive characteristics of pregnancies across exposure categories for the African sites contributing to the congenital anomalies data analysis. |
|  | **All Pregnancies****N=4,843** | **No Antimalarial use 1st trimester N=4,301** | **Confirmed ACT use 1st trimester N=442** | **Confirmed Quinine use 1st trimester N=100** |
|  | N | (%) | N | (%) | n | (%) | n | (%) |
| **Age (years)** |  |  |  |  |  |  |  |  |
| Mean (SD) | 25.7 | (6.5) | 25.7 | (6.6) | 25.5 | (6.1) | 25.4 | (5.7) |
| <20 | 963 | (28.6) | 873 | (20.3) | 71 | (16.1) | 19 | (19.0) |
| 20-24 | 1385 | (24.3) | 1206 | (28.0) | 153 | (34.6) | 26 | (26.0) |
| 25-29 | 1175 | (24.3) | 1042 | (24.2) | 100 | (22.6) | 33 | (33.0) |
| 30+ | 1318 | (27.2) | 1178 | (27.4) | 118 | (26.7) | 22 | (22.0) |
| **Gravidity** |  |  |  |  |  |  |  |   |
| Primigravida | 1241 | (25.6) | 1083 | (25.1) | 124 | (28.1) | 34 | (34.0) |
| 1–3 pregnancies | 2433 | (50.2) | 2165 | (50.3) | 221 | (50.0) | 47 | (47.0) |
| 4+ pregnancies | 1158 | (23.9) | 1044 | (24.3) | 97 | (22.0) | 17 | (17.0) |
| Missing | 11 |  | 9 |  |  |  | 2 |   |
| **Marital status** |  |  |  |  |  |  |  |   |
| Single | 771 | (15.9) | 714 | (16.6) | 48 | (10.9) | 9 | (9.0) |
| Married or living together | 3226 | (66.6) | 2927 | (68.1) | 213 | (48.2) | 86 | (86.0) |
| Missing | 846 |  | 660 |  | 181 |  | 5 |   |
| **Education** |  |  |  |  |  |  |  |   |
| Primary not completed | 890 | (18.4) | 822 | (19.1) | 61 | (13.8) | 7 | (7.0) |
| Primary completed | 3017 | (62.3) | 2687 | (62.5) | 258 | (58.4) | 72 | (72.0) |
| Secondary completed | 915 | (18.9) | 776 | (18.0) | 119 | (26.9) | 20 | (20.0) |
| Missing | 21 |  | 16 |  | 4 |  | 1 |   |
| **HIV status** |  |  |  |  |  |  |  |   |
| Negative | 4112 | (84.9) | 3636 | (84.5) | 383 | (86.7) | 93 | (93.0) |
| Positive | 504 | (10.4) | 467 | (10.9) | 35 | (7.9) | 2 | (2.0) |
| Missing | 227 |  | 198 |  | 24 |  | 5 |   |
| **Gestational age in weeks at enrollment** |  |  |  |  |  |  |  |   |
| Mean (SD) | 19.3 | (7.8) | 19.6 | (7.8) | 17.6 | (7.7) | 14.6 | (5.1) |
| Median (IQR) | 18 | (14–24) | 18 | (14–25) | 16 | (12–22) | 14 | (12–17) |
| **Duration of follow-up in weeks**  |  |  |  |  |  |  |  |   |
| Mean (SD) | 18.8 | (7.8) | 18.5 | (7.8) | 20.4 | (7.9) | 22.5 | (5.7) |
| Median (IQR) | 19 | (13–24) | 19 | (13–23) | 21 | (16–26) | 23 | (20–26) |