**S3 Table. Bivariable and multivariable analysis for *S. mansoni* infection by POC-CCA test with crude and adjusted odds ratios (95%CI) for each potential risk factor**

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| --- | --- | --- | --- |
|  |  | **Univariable** | **Multivariable** |
| **Variables** |  | **OR\*1 (95%CI)** | **p-value\*2** | **OR\*3 (95%CI)** | **p-value\*4** |
| Age(Reference: 6-11M) | 12-17M | 6.3 (1.6–25.4) | 0.002 | 7.8 (1.8–32.6) | 0.002 |
| 18-23M | 1.1 (0.4–2.7) | 1.9 (0.7–5.5) |
| Sex | Female | 1.2 (0.6–2.6) | 0.65 | 1.2 (0.5–2.6) | 0.69 |
| Area(Reference: Gembe) | Rusinga East | 1.7 (0.5–5.2) | 0.65 |  |  |
| Rusinga West | 1.1 (0.4–2.6) |  |  |
| Mothers Education(Reference: Primary) | Secondary | 1.8 (0.7–5.1) | 0.45 |  |  |
| College/University | 1.4 (0.3–6.1) |  |  |
| Father Education(Reference: Primary) | Secondary | 1.0 (0.5–2.4) | 0.78 |  |  |
| College/University | 1.5 (0.3–6.9) |  |  |
| No Father | 2.4 (0.3–19.2) |  |  |
| Mother Occupation(Reference: Housewife) | Business  | 0.5 (0.2–1.3) | 0.30 |  |  |
| Farmer | 0.6 (0.1–3.1) |  |  |
| Fishing | - |  |  |
| Petty trader | 1.7 (0.5–5.5) |  |  |
| Employed | 1.3 (0.3–6.1) |  |  |
| Father Occupation(Reference: Unemployed) | Business  | 4.6 (1.2–17.5) | 0.15 |  |  |
| Farmer | 3.3 (0.4–31.2) |  |  |
| Fishing | 3.8 (1.3–11.2) |  |  |
| Petty trader | 9.2 (1.0–81.4) |  |  |
| Employed | 3.2 (0.9–11.5) |  |  |
| No Father | 9.6 (1.1–84.5) |  |  |
| SES(Reference: Low) | Middle | 1.6 (0.6–4) | 0.62 |  |  |
| High | 1.4 (0.5–3.4) |  |  |
| Water source for drink | Lake\*5 | 1.3 (0.5–3.3) | 0.53 |  |  |
| Water source for bath | Lake\*5 | 3.4 (0.9–13.4) | 0.11 |  |  |
| Water source for wash | Lake\*5 | 4.4 (1.1–18.2) | 0.06 |  |  |
| Toilet | Open defecation | 0.4 (0.1–1.0) | 0.06 |  |  |
| Water contact\*6 | Yes | 0.8 (0.4–1.8) | 0.60 |  |  |
| Bathing in lake\*6 | Yes | 1.3 (0.6–2.9) | 0.47 |  |  |
| Playing in lake\*6 | Yes | 0.9 (0.4–2.3) | 0.91 |  |  |
| Urinate in lake\*6(Reference: No) | Yes | 0.4 (0.2–1.3) | 0.16 |  |  |
| Don't know | - |  |  |
| Stunted | Yes | 1.5 (0.3–6.7) | 0.58 |  |  |
| Breastfeeding\*7 | Yes | 3.4 (1.4–7.9) | 0.003 | 3.4 (1.3–9.0) | 0.009 |
| Anaemia (combined) | Yes | 0.7 (0.3–1.5) | 0.36 |  |  |
| HIV of mother (Reference: Negative) | Positive | 0.5 (0.2–1.2) | 0.05 |  |  |
| Unknown | 0.2 (0.0–0.8) |  |  |
| HIV of child(Reference: Negative) | Positive | 0.05 (0.0–0.5) | 0.04 |  |  |
| Unknown | 0.6 (0.2–2.3) |  |  |

\*1 The adjusted odds ratios were based on the final logistic regression model with area, age and sex. \*2 Based on a likelihood ratio test. The variables were entered in the following order: areas, age and sex. \*3 The adjusted odds ratios were based on the final logistic regression model with age, breastfeeding, and sex. \*4 Based on a likelihood ratio test. The variables were entered in the following order: age, breastfeeding, and sex. \*5: vs Others \*6 in the past 7 days \*7 Breastfed in the last 24 hours