**S2 Table: Factors associated with past alpha- and flavivirus infection**

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | **Past arbovirus** | **Past alphavirus** |
|  |  |  |  |  |  |  |  |
|  |  |  | Univariate analysis | Multivariable analysis |  | Univariate analysis | Multivariable analysis |
|  | Total No tested (n=235) | No positive N (%)N=71 | Crude OR (95% CI) | Adjusted OR (95% CI) | P value (multivariable analysis) | No positive N (%)N=62 | Crude OR (95% CI) | Adjusted OR (95% CI) | P value (multivariable analysis) |
| Age groups:* <5 year
* 5-17 year
* 18-44 year
* 45-64 year
* ≥65 year
 |  378081295 | 71035154 | REF0.61 (0.21-1.76)3.26 (1.28-8.29)4.59 (1.53-13.78)17.14 (1.65-178.08) | REF0.61 (0.20-1.89)3.38 (1.23-9.27)4.66 (1.43-15.11)16.23 (1.48-177.58) | <0.01 | 21627132 | REF4.37 (0.95-20.14)8.75 (1.96-39.13)14.22 (2.86-70.56)11.67 (1.18-114.90) | REF4.00 (0.86-18.63)7.27 (1.61-32.88)12.61 (2.51-63.49)11.69 (1.12-121.56) | 0.01 |
| Gender:- Female - Male | 125110 | 3635 | 0.87 (0.50-1.51) |  |  | 3131 | 0.84 (0.47-1.50) |  |  |
| **Consulting during:*** **Dry season (June)**
* **Rainy season**
 | **41****194** | 1061 | 0.70 (0.32-1.53) |  |  | 1250 | 1.19 (0.56-2.51) |  |  |
| Commune of residence:* Lemba
* Makala
* Matete
* Montngafula
* Ngaliema
* Selemboa
 | 1111752334 | 00049517 | ---0.39 (0.18-0.82)0.28 (0.08-0.92)REF |  |  | 0005066 | ---1.87 (0.73-4.78)1.65 (0.46-5.94)REF |  |  |
| Recent travel No travel | 5230 | 467 | 9.73 (1.07-88.68) | 18.99 (1.80-199.88) | 0.01 | 161 | 0.69 (0.08-6.32) |  |  |
| Yellow fever vaccination :* yes
* no
 | 2233 | 170 | 0.48 (0.03-7.77) |  |  | 062 | - |  |  |
| Requiring hospitalization | 32 | 9 | 0.89 (0.39-2.03) |  |  | 2 | 0.16 (0.04-0.69) | 0.20 (0.04-0.91) | 0.04 |
| Past arbovirus infection |  | \_ | - |  |  | 19 | 1.03 (0.55-1.93) |  |  |
| Past chikungunya infection |  | 19 | 1.03 (0.55-1.93) |  |  | \_ | - |  |  |
| Acute arbovirus infection |  | 0 | 0 |  |  | 8 | 2.18 (0.83-5.71) |  |  |
| Acute chikungunya infection |  | 1 | 2.33 (0.14-37.76) |  |  | 0 | - |  |  |
| Bleeding in current illness | **1** | 1 | - |  |  | 0 | - |  |  |
| Rash in current illness | **17** | 7 | 1.67 (0.61-4.59) |  |  | 4 | 0.84 (0.26-2.69) |  |  |
| Painful or inflamed joints  | 117 | 43 | 1.87 (1.06-3.29) | 1.79 (0.95-3.40) | 0.072 | 31 | 1.01 (0.57-1.81) |  |  |