**Table S2: Quantitative analysis of tuberculin skin test (TST) and interferon gamma release assay (IGRA) results at baseline (prevalent infection) among exposed contacts according to exposure variable.**

|  |  |  |  |
| --- | --- | --- | --- |
| Index case exposure category | Overall | Sputum (AFB) | Aerosol (CFU) |
| 1+\* | 2+ | 3+ | P value | 0 | 1-9 | ≥10 | P value |
| Contacts - N | 384 | 68 | 62 | 254 |  | 217 | 79 | 88 |  |
| **TST-/IGRA-**n (%)TST (mm)IGRA (IU/mL) | 71 (18)0 [0-0]0.01 [-0.03-0.07] | 13 (19)0 [0-0]0.02 [-0.01-0.05] | 17 (27)0 [0-0]-0.02 [-0.11-0.03] | 41 (16)0 [0-0]0.02 [0-0.12] | N/A0.09 | 37 (17)0 [0-0]0 [-0.06-0.04] | 19 (24)0 [0-0]0.02 [0-0.16] | 15 (17)0[0-0]0.02 [-0.03-0.08] | N/A0.11 |
| **TST+/IGRA-**n (%)TST (mm)IGRA (IU/mL) | 31 (8)20 [15-24]0.04 [-0.05-0.15] | 7 (10)20 [14-24]0.05 [0-0.14] | 6 (10)20.5 [20-25]0.075 [-0.09-0.23] | 18 (7)18.5 [15-24]0.03 [-0.05-0.19] | 0.47N/A | 18 (8)20 [16-25]0.03 [-0.05-0.14] | 6 (8)15 [15-20]0.03 [-0.18-0.23] | 7 (8)20 [14-25]0.19 [0-0.26] | 0.17N/A |
| **TST-/IGRA+**n (%)TST (mm)IGRA (IU/mL) | 26 (7)0 [0-0]1.14 [0.54-4.87] | 6 (9)0 [0-0]1.31 [0.52-4.87] | 7 (11)0 [0-0]1.93 [0.74-11] | 13 (5)0 [0-0]1.08 [0.49-2.60] | 0.390.67 | 17 (8)0 [0-0]1.20 [0.52-5.19] | 6 (8)0 [0-5]0.99 [0.87-1.93] | 3 (3)0 [0-4]2.04 [0.74-11] | 0.300.18 |
| **TST+/IGRA+**n (%)TST (mm)IGRA (IU/mL) | 256 (67)23 [19-27]>10 [3.57 - >10] | 42 (62)20.5 [19-25]>10 [2.93 - >10] | 32 (52)23.5 [17-27.5]>10 [3.3 - >10] | 184 (72)23 [20-27]>10 [3.9 - >10] | 0.090.82 | 145 (67)22 [18-26]>10 [3.61 - >10] | 49 (62)25 [20-27]>10 [4.66 - >10] | 63 (72)23 [19-27]>10 [3.15 - >10] | 0.440.89 |

Values are median [interquartile range] or n (percent).

\* Group includes one patient with smear =negative and one smear =scanty.

AFB= Acid fast-bacilli; CFU= Colony forming units of *M. tuberculosis* in aerosols.

IGRA values are capped at 10. Those with values greater than 10 are reported as >10 for this analysis.