**Table. Supplemental digital content 2.** Demographic and clinical characteristics of children under 15 years old (N=288).

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **All children**  **n (%)** | **Confirmed TB n (%)** | | **Unconfirmed, clinically-diagnosed TB n (%)** | | **Symptomatic controls**  **n (%)** | |
|  |  |  | **EasiCollect** | **OmniSwab** | **EasiCollect** | **OmniSwab** | **EasiCollect** | **OmniSwab** |
|  |  | **n = 288** | **n=13** | **n=11** | **n=42** | **n=23** | **n=85** | **n=114** |
| Age group (years) | |  |  |  |  |  |  |  |
|  | 0-4 | 124 (43) | 5 (38) | 3 (27) | 20 (48) | 14 (61) | 24 (28) | 58 (51) |
|  | 5-9 | 104 (36) | 4 (31) | 3 (27) | 13 (31) | 7 (30) | 39 (46) | 38 (33) |
|  | 10-14 | 60 (21) | 4 (31) | 5 (46) | 9 (21) | 2 (8.7) | 22 (26) | 18 (16) |
| Sex |  |  |  |  |  |  |  |  |
|  | Female | 140 (49) | 5 (38) | 7 (64) | 26 (62) | 13 (57) | 43 (51) | 46 (40) |
|  | Male | 148 (51) | 8 (62) | 4 (36) | 16 (38) | 10 (43) | 42 (49) | 68 (60) |
| Undernutrition**a** | |  |  |  |  |  |  |  |
|  | Yes | 6 (2) | 1 (8) | 0 (0) | 2 (5) | 0 (0) | 3 (4) | 0 (0) |
|  | No | 282 (98) | 12 (92) | 11 (100) | 40 (95) | 23 (100) | 82 (96) | 114 (100) |
| Ability to spontaneously expectorate sputum (286/288)**b** | | | |  |  |  |  |  |
|  | Yes | 122 (43) | 4 (31) | 9 (82) | 17 (41) | 10 (43) | 38 (45) | 44 (39) |
|  | No | 164 (57) | 9 (69) | 2 (18) | 24 (59) | 13 (57) | 47 (55) | 69 (61) |
| Tuberculin skin test (TST), (275/288)**b** | | |  |  |  |  |  |  |
|  | Positive (≥ 10 mm) | 75 (27) | 10 (100) | 5 (71) | 25 (63) | 7 (33) | 14 (17) | 14 (12) |
|  | Negative | 200 (73) | 0 (0) | 2 (29) | 15 (37) | 14 (67) | 69 (83) | 100 (88) |
| Cavitary disease on chest radiograph, (287/288)**b** | | |  |  |  |  |  |  |
|  | Yes | 6 (2.1) | 2 (15) | 4 (36) | 0 (0) | 0 (0) | 0 (0) | 0 (0) |
|  | No | 281 (97.9) | 11 (85) | 7 (64) | 42 (100) | 23 (100) | 85 (100) | 113 (100) |
| Smear result (286/288)**b** | |  |  |  |  |  |  |  |
|  | Positive | 7 (2.5) | 2 (15) | 5 (45) | 0 (0) | 0 (0) | 0 (0) | 0 (0) |
|  | Negative | 279 (97.5) | 11 (85) | 6 (55) | 41 (100) | 23 (100) | 85 (100) | 113 (100) |
| Initial sample volume for DNA extraction | | |  |  |  |  |  |  |
|  | OmniSwab 0.25 mL | 51 (18) | -- | 1 (9) | -- | 2 (9) | -- | 48 (42) |
|  | OmniSwab 0.5 mL | 97 (34) | -- | 10 (91) | -- | 21 (91) | -- | 66 (58) |
|  | EasiCollect, 3 punches | 18 (6) | 1 (8) | -- | 2 (5) | -- | 15 (18) | -- |
|  | EasiCollect, full card | 122 (42) | 12 (92) | -- | 40 (95) | -- | 70 (82) | -- |
|  |  |  |  |  |  |  |  |  |

**a**In children <5 years old, undernutrition was defined as less than -2SD in z-score for weight-for-height; In children ≥5 years old, undernutrition was defined as less than -2SD in z-score for BMI-for-age, according WHO growth guidelines. **b**Because of missing data, denominators do not sum to the total N . Abbreviation: TB, tuberculosis