

Table 1 Distribution of disease and treatment related factors in the tuberculosis (TB) patients

Disease and treatment related factors	Cases (<i>n</i> = 105) No. (%)	Controls (<i>n</i> = 210) No. (%)	<i>P</i> -value	OR	95% CI
Age (years)					
15–30 (ref)	56 (53.3)	100 (47.6)			
> 30	49 (46.7)	110 (52.4)	0.34	0.80	0.50–1.27
Sex					
Male	74 (70.5)	128 (61.0)	0.098	1.53	0.93–2.53
Female (ref)	31 (29.5)	82 (39.0)			
Residence					
Urban (ref)	64 (61.0)	169 (80.5)			
Rural	41 (39.0)	41 (19.5)	< 0.0001	2.64	1.57–4.44
Site of TB					
Pulmonary	92 (87.6)	180 (85.7)	0.643	1.18	0.60–2.37
Extra-pulmonary (ref)	13 (12.4)	30 (14.3)			
Sputum smear at the beginning					
Positive	75 (71.4)	157 (74.8)	0.52	0.84	0.50–1.43
Negative (ref)	30 (28.6)	53 (25.2)			
Chest X-ray					
Normal	80 (76.2)	173 (82.4)	0.19	0.68	0.39–1.21
Positive (ref)	25 (23.8)	37 (17.6)			
Treatment regimen					
CAT1 (ref)	57 (54.3)	162 (77.1)			
CAT2	48 (45.7)	48 (22.9)	< 0.0001	2.84	1.72–4.69
On DOTS					
Yes (ref)	38 (36.2)	125 (59.5)			
No	67 (63.8)	85 (40.5)	< 0.0001	2.59	1.59–4.21
Response to treatment					
Good (ref)	80 (76.2)	186 (88.6)			
Poor	25 (23.8)	24 (11.4)	0.004	2.42	1.30–4.49
Sputum smear after 2 months					
Positive	11 (10.5)	13 (6.1)	0.166	1.82	0.78–4.27
Not done	23 (21.9)	44 (21.0)	0.686	1.13	0.63–2.01
Negative (ref)	71 (67.6)	153 (72.9)			
Had side-effects to TB treatment					
Yes	55 (52.4)	65 (31.0)	< 0.0001	2.45	1.52–3.97
No (ref)	50 (47.6)	145 (69.0)			
Previous history of TB					
No: new case (ref)	66 (62.9)	189 (90.0)			
Yesa	39 (37.1)	21 (10.0)	< 0.0001	5.32	2.92–9.69
Sought traditional remedies					
Yes	30 (28.6)	27 (12.9)	0.001	2.71	1.51–4.87
No (ref)	75 (71.4)	183 (87.1)			
Had BCG vaccine					
Yes	65 (61.9)	112 (53.3)	0.149	1.42	0.88–2.29
No (ref)	40 (38.1)	98 (46.7)			
Have chronic diseases					
Yes	10 (9.5)	35 (16.7)	0.06	0.53	0.25–1.11
No (ref)	95 (90.5)	175 (83.3)			

*a*Including relapse, treatment failure and multidrug-resistant TB.

OR = odds ratio; CI = confidence intervals.

ref = reference category.