

Table S5. Univariate and multivariate analysis of TST conversion

	TST conversion		Crude OR*	Adjusted OR*
	n/N	%	(95% CI)	(95% CI)
Gender				
Male	741/5030	14.73	Ref.	
Female	913/6392	14.28	0.96 (0.86, 1.07)	
Age				
5-9 years	91/1112	8.18	Ref.	Ref.
10-19 years	106/1219	8.70	1.07 (0.80, 1.43)	0.69 (0.50, 0.96)
20-29 years	131/819	16.00	2.14 (1.61, 2.84)	1.31 (0.91, 1.88)
30-39 years	137/985	13.91	1.81 (1.37, 2.40)	1.02 (0.71, 1.45)
40-49 years	423/2475	17.09	2.31(1.82, 2.94)	1.08 (0.78, 1.49)
50-59 years	315/2008	15.69	2.09 (1.63, 2.67)	0.74 (0.53, 1.02)
60-69 years	311/1807	17.21	2.33 (1.82, 2.99)	0.77 (0.56, 1.77)
≥ 70 years	140/997	14.04	1.83 (1.39, 2.42)	0.60 (0.42, 0.84)
Education level				
≤Primary school	829/6697	12.38	Ref.	Ref.
Middle school	619/3457	17.91	1.54 (1.38, 1.73)	1.17 (1.02, 1.34)
High school	172/1011	17.01	1.45 (1.21, 1.74)	1.19(0.97, 1.47)
≥College	34/257	13.23	1.08 (0.75, 1.56)	0.80 (0.52, 1.21)
Family per capita income				
< 6000 RMB	911/8043	13.33	Ref.	Ref.
≥ 6000 RMB	743/3379	21.99	2.56 (2.32, 2.86)	1.03 (0.91, 1.18)
Smoking status				
Never smoke	1236/9004	13.73	Ref.	Ref.
Ever smoke	418/2415	17.31	1.31 (1.16, 1.49)	1.28 (1.10, 1.49)
Alcohol drinking				
No	1305/9301	14.03	Ref.	
Yes	349/2120	16.46	1.21 (1.06, 1.37)	0.94 (0.80, 1.10)
BCG scar				
Absent	852/5647	15.09	Ref.	
Present	802/5774	13.89	0.91 (0.81, 1.01)	
BMI				
<18.5	827/5157	16.04	0.52 (0.44, 0.62)	0.90 (0.72, 1.13)
≥18.5-<24	192/2122	9.05	Ref.	Ref.
≥24-<28	454/2968	15.30	0.95 (0.84, 1.07)	0.97 (0.85, 1.10)
≥28	181/1175	15.40	0.95 (0.80, 1.14)	1.21 (1.00, 1.46)
History of close contact with TB patient				
No	1557/10881	14.31	Ref.	Ref.
Yes	95/521	18.23	1.34 (1.06, 1.68)	1.31 (1.02, 1.67)
Study site				
Site A	871/2802	31.08	Ref.	Ref.
Site B	250/3778	6.62	0.16 (0.14, 0.18)	0.14 (0.12, 0.17)
Site C	369/2109	17.50	0.47 (0.41, 0.54)	0.44 (0.38, 0.52)
Site D	164/2733	6.00	0.14 (0.12, 0.17)	0.14 (0.11, 0.17)

Abbreviation: BCG, Bacillus Calmette-Guérin; BMI, body mass index; CI, confidence interval; OR, odds ratio; TB, tuberculosis; TST, tuberculin skin test.

* Controlling for variables with significant association in univariate analysis.