

**Table S7. Univariate and multivariate analysis of QFT persistence based on a traditional conversion definition\***

	QFT persistence		Crude OR	Adjusted OR <sup>#</sup>
	n/N	%	(95% CI)	(95% CI)
Total	164/330	49.70	NA	
<b>Gender</b>				
Male	101/183	55.19	Ref.	Ref.
Female	63/147	42.86	<b>0.61 (0.39, 0.94)</b>	0.91 (0.45, 1.84)
<b>Age</b>				
5-19 years	4/24	16.67	Ref.	Ref.
20-29 years	7/18	38.89	3.18 (0.76, 13.32)	1.47 (0.29, 7.47)
30-39 years	13/28	46.43	<b>4.33 (1.17, 15.98)</b>	1.49 (0.32, 6.94)
40-49 years	44/88	50.00	<b>5.00 (1.58, 15.82)</b>	1.79 (0.45, 7.16)
50-59 years	33/62	53.23	<b>5.69 (1.74, 18.58)</b>	2.01 (0.48, 8.48)
≥ 60 years	63/110	57.27	<b>6.70 (2.15, 20.91)</b>	2.12 (0.52, 8.70)
<b>Education level</b>				
≤Primary school	80/178	44.94	Ref.	Ref.
Middle school	73/127	57.48	<b>1.66 (1.05, 2.62)</b>	<b>1.96 (1.07, 3.58)</b>
High school	10/21	47.62	1.11 (0.45, 2.76)	1.30 (0.43, 3.90)
≥College	1/4	25.00	0.41 (0.04, 4.00)	1.39 (0.11, 17.04)
<b>Family per capita income</b>				
< 6000 RMB	83/205	40.49	Ref.	Ref.
≥ 6000 RMB	81/125	64.80	<b>2.35 (1.48, 3.74)</b>	1.23 (0.66, 2.29)
<b>Smoking status</b>				
Never smoke	89/204	43.63	Ref.	Ref.
Ever smoke	75/126	59.52	<b>1.90 (1.21, 2.98)</b>	1.37 (0.68, 2.73)
<b>Alcohol drinking</b>				
No	120/243	49.38	Ref.	
Yes	44/87	50.57	1.05 (0.64, 1.71)	
<b>BCG scar</b>				
Absent	76/165	46.06	Ref.	
Present	88/165	5.33	1.34 (0.87, 2.06)	
<b>BMI</b>				
<18.5	10/31	32.26	<b>0.37 (0.16, 0.83)</b>	0.64 (0.22, 1.85)
≥18.5-<24	87/154	56.49	Ref.	Ref.
≥24-<28	50/108	46.30	0.66 (0.41, 1.09)	0.65 (0.36, 1.15)
≥28	17/37	45.95	0.66 (0.32, 1.35)	0.75 (0.32, 1.74)
<b>Study site</b>				
Site A	50/80	62.50	Ref.	Ref.
Site B	15/68	22.06	<b>0.17 (0.08, 0.35)</b>	<b>0.21 (0.09, 0.54)</b>
Site C	83/112	74.11	1.72 (0.92, 3.19)	1.84 (0.91, 3.72)
Site D	16/70	22.86	<b>0.18 (0.09, 0.37)</b>	<b>0.23 (0.10, 0.56)</b>

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

\* QFT conversion was defined using a cut-off as 0.35.

<sup>#</sup> Controlling for variables with significant association in univariate analysis.