

## Supplementary tables

Table S1 Average hourly wage by occupation in Pakistan and Bangladesh

Occupation	Average hourly wage (PPP US\$) <sup>1-3</sup>					
	Bangladesh			Pakistan		
	Male	Female	Total	Male	Female	Total
Managers	5.68	5.13	5.62	9.67	0.84	9.57
Professionals	4.25	3.93	4.13	6.06	3.84	5.30
Technicians and Associate Professionals	3.35	3.21	3.32	4.69	3.27	4.50
Clerical support workers	2.56	2.33	2.53	4.69	3.16	4.66
Service and Sales workers	1.88	1.76	1.86	2.85	2.37	2.83
Skilled Agricultural, forestry and fisheries	1.50	1.24	1.46	3.03	0.98	2.96
Craft and Related Trades workers	1.69	1.55	1.65	3.00	0.89	2.67
Plant and Machine Operators, and Assembler	1.91	1.77	1.89	2.96	1.95	2.95
Elementary Occupations	1.38	1.15	1.32	2.39	1.11	2.15
Overall	2.14	1.93	2.09	3.35	2.00	3.15

Table S2 Number and proportion of missing values of variables by arm

Variables	Cytisine (n=1239)		Placebo (n=1233)	
	Number of missing values	Proportion of missing values	Number of missing values	Proportion of missing values
Cost of behavioural support	6	0%	7	1%
Cost of TB treatment	102	8%	103	8%
Cost of doctor visit at d0	0	0%	1	0%
Cost of doctor visit at m6	61	5%	67	5%
Cost of doctor visit at m12	89	7%	76	6%
Cost of hospital stay at d0	2	0%	2	0%
Cost of hospital stay at m6	62	5%	67	5%
Cost of hospital stay at m12	89	7%	76	6%
Cost of smoking cessation at d0	0	0%	0	0%
Cost of smoking cessation at m6	63	5%	69	6%
Cost of smoking cessation at m12	103	8%	89	7%
OOP on TB treatment at d0	1	0%	0	0%
OOP on TB treatment at m6	63	5%	69	6%
OOP on TB treatment at m12	89	7%	77	6%
OOP on smoking cessation at d0	3	0%	3	0%
OOP on smoking cessation at m6	146	12%	153	12%
OOP on smoking cessation at m12	127	10%	118	10%
OOP on doctor visit at d0	6	0%	6	0%
OOP on doctor visit at m6	64	5%	75	6%
OOP on doctor visit at m12	89	7%	76	6%
OOP on hospital stay at d0	2	0%	2	0%
OOP on hospital stay at m6	64	5%	69	6%
OOP on hospital stay at m12	89	7%	76	6%
OOP on tobacco products d0	10	1%	9	1%
OOP on tobacco products m6	60	5%	67	5%
OOP on tobacco products m12	89	7%	76	6%
Productivity loss of company for TB treatment at d0	7	1%	5	0%
Productivity loss of company for TB treatment at m6	103	8%	106	9%
Productivity loss of company for TB treatment at m12	92	7%	81	7%
Productivity loss of company for doctor at d0	36	3%	37	3%
Productivity loss of company for doctor at m6	111	9%	117	9%
Productivity loss of company for doctor at m12	94	8%	82	7%
Productivity loss of sick leave at d0	9	1%	6	0%
Productivity loss of sick leave at m6	44	4%	62	5%

	Cytisine (n=1239)		Placebo (n=1233)	
Variables	Number of missing values	Proportion of missing values	Number of missing values	Proportion of missing values
Productivity loss of sick leave at m12	75	6%	73	6%
EQ-5D-5L at d0				
1 Mobility	0	0%	0	0%
2 Self-care	0	0%	2	0%
3 Usual activities	2	0%	0	0%
4 Pain and discomfort	1	0%	1	0%
5 Anxiety or depression	2	0%	1	0%
EQ-5D-5L at m6				
1 Mobility	60	5%	67	5%
2 Self-care	60	5%	67	5%
3 Usual activities	60	5%	68	6%
4 Pain and discomfort	60	5%	68	6%
5 Anxiety or depression	60	5%	68	6%
EQ-5D-5L at m12				
1 Mobility	89	7%	76	6%
2 Self-care	89	7%	78	6%
3 Usual activities	89	7%	78	6%
4 Pain and discomfort	90	7%	78	6%
5 Anxiety or depression	94	8%	78	6%
VAS at d0	0	0%	0	0%
VAS at m6	60	5%	68	6%
VAS at m12	89	7%	77	6%
TB score at d0	0	0%	0	0%
TB score at m6	60	5%	66	5%

Table S3 Logistic regression for missingness of costs, OOPs, productivity loss and outcomes on arm and baseline covariates

Missing on:	Allocation	Age	Country
Cost of TB treatment	1.02 (0.76-1.35)	1.02 (1.01-1.03)	<b>0.26 (0.19-0.36)*</b>
Cost of doctor visit at m6	1.07 (0.75-1.53)	1.00 (0.99-1.01)	<b>0.15 (0.10-0.24)*</b>
Cost of doctor visit at m12	0.83 (0.61-1.14)	1.00 (0.99-1.01)	<b>0.17 (0.12-0.25)*</b>
Cost of hospital stay at m6	1.05 (0.74-1.50)	1.00 (0.99-1.01)	<b>0.16 (0.11-0.24)*</b>
Cost of hospital stay at m12	0.83 (0.61-1.14)	1.00 (0.99-1.01)	<b>0.17 (0.12-0.25)*</b>
Cost of smoking cessation at m6	1.07 (0.76-1.52)	1.00 (0.99-1.01)	<b>0.17 (0.11-0.26)*</b>
Cost of smoking cessation at m12	0.84 (0.63-1.13)	1.00 (0.99-1.01)	<b>0.28 (0.21-0.39)*</b>
OOP on TB treatment at m6	1.07 (0.76-1.52)	1.00 (0.99-1.01)	<b>0.16 (0.10-0.24)*</b>
OOP on TB treatment at m12	0.84 (0.62-1.15)	1.00 (0.99-1.01)	<b>0.17 (0.12-0.25)*</b>
OOP on smoking cessation at m6	1.04 (0.82-1.33)	<b>0.99 (0.98-1.00)*</b>	1.14 (0.89-1.47)
OOP on smoking cessation at m12	0.91 (0.70-1.18)	0.99 (0.98-1.00)	<b>0.52 (0.40-0.68)*</b>
OOP on doctor visit at m6	1.15 (0.82-1.62)	1.00 (0.99-1.01)	<b>0.16 (0.10-0.24)*</b>
OOP on doctor visit at m12	0.83 (0.61-1.14)	1.00 (0.99-1.01)	<b>0.17 (0.12-0.25)*</b>
OOP on hospital stay at m6	1.05 (0.74-1.49)	1.00(0.99-1.01)	<b>0.16 (0.11-0.24)*</b>
OOP on hospital stay at m12	0.83 (0.61-1.14)	1.00 (0.99-1.01)	<b>0.17 (0.12-0.25)*</b>
OOP on tobacco products m6	1.09 (0.76-1.55)	1.00 (0.99-1.01)	<b>0.16 (0.10-0.24)*</b>
OOP on tobacco products m12	0.83 (0.61-1.14)	1.00 (0.99-1.01)	<b>0.17 (0.12-0.25)*</b>
Productivity loss of company for TB treatment at m6	1.01 (0.77-1.35)	0.99 (0.98-1.00)	<b>0.55 (0.41-0.73)*</b>
Productivity loss of company for TB treatment at m12	0.86 (0.63-1.16)	1.00 (0.99-1.01)	<b>0.18 (0.13-0.26)*</b>
Productivity loss of company for doctor at m6	1.04 (0.80-1.37)	0.99 (0.98-1.00)	<b>0.52 (0.40-0.69)*</b>
Productivity loss of company for doctor at m12	0.85 (0.63-1.15)	1.00 (0.99-1.01)	<b>0.18 (0.12-0.25)*</b>
Productivity loss of sick leave at m6	1.40 (0.95-2.08)	0.99 (0.97-1.00)	<b>0.22 (0.14-0.33)*</b>
Productivity loss of sick leave at m12	0.95 (0.68-1.32)	0.99 (0.98-1.00)	<b>0.27 (0.19-0.38)*</b>
EQ-5D-5L at m6	1.09 (0.76-1.55)	1.00 (0.99-1.01)	<b>0.16 (0.10-0.24)*</b>
EQ-5D-5L at m12	0.83 (0.61-1.14)	1.00 (0.99-1.01)	<b>0.17 (0.12-0.25)*</b>
TB score at m6	1.02 (0.72-1.44)	1.00 (0.99-1.01)	<b>0.18 (0.12-0.26)*</b>

\*P&lt;0.05

## References

1. Bangladesh Bureau of Statistics. Report on Labour Force Survey (LFS) 2016-17, 2018.
2. Pakistan Bureau of Statistics. Labour Force Survey 2017-18, 2018.
3. The World Bank. DataBank World Development Indicators, 2019.