S1 Appendix
S1 Table. Modified Poisson Regression Stratified by Region and Combined using MetaAnalysis: factors associated with an unfavorable TB treatment outcome

	Asia-Pacific	CCASAnet	Central Africa
	Relative Risk (95% CI)	Relative Risk (95% CI)	Relative Risk (95% CI)
Age (per 10 years)	1.11 (0.70, 1.77)	1.02 (0.86, 1.22)	0.97 (0.78, 1.20)
BMI (per 1 unit)	0.88 (0.75, 1.03)	1.03 (0.98, 1.09)	1.00 (0.95, 1.04)
CD4 (200 vs. 50 cells)	0.69 (0.43, 1.12)	1.02 (0.45, 2.27)	0.86 (0.70, 1.05)
CD4 (500 vs. 50 cells)	0.33 (0.08, 1.39)	1.20 (0.05, 27.33)	0.63 (0.34, 1.16)
Female (vs. Male)	1.80 (0.83, 3.88)	1.48 (1.02, 2.15)	0.97 (0.64, 1.45)
No Xpert (vs. had Xpert)	1.96 (0.48, 8.02)	0.96 (0.52, 1.77)	1.89 (0.33, 10.78)
On ART at TB diagnosis	0.81 (0.41, 1.59)	1.22 (0.84, 1.79)	0.63 (0.41, 0.96)
	East Africa	Western Africa	Combined
	Relative Risk (95% CI)	Relative Risk (95% CI)	Relative Risk (95% CI)
Age (per 10 years)	1.03 (0.94, 1.14)	0.95 (0.72, 1.27)	1.02 (0.95, 1.10)
BMI (per 1 unit)	0.99 (0.96, 1.01)	0.98 (0.92, 1.04)	0.99 (0.97, 1.02)
CD4 (200 vs. 50 cells)	0.66 (0.54, 0.81)	0.80 (0.54, 1.18)	0.76 (0.67, 0.86)
CD4 (500 vs. 50 cells)	0.43 (0.18, 1.01)	0.50 (0.16, 1.63)	0.53 (0.34, 0.81)
Female (vs. Male)	0.92 (0.76, 1.11)	0.91 (0.55, 1.50)	1.08 (0.86, 1.37)
No Xpert (vs. had Xpert)	1.17 (0.57, 2.38)	2.01 (0.52, 7.74)	1.21 (0.80, 1.81)
On ART at TB diagnosis	0.70 (0.56, 0.88)	0.71 (0.42, 1.20)	0.79 (0.62, 1.01)

The combined relative risks (RRs) and 95% CIs were computed based on the results of the region-specific RRs using the meta- analysis approach of DerSimonian and Laird, a random effects method which makes no assumption regarding homogeneity across sites.