ANNEX F: META-REGRESSION

Table 9. Multivariable random-effects meta-regression model for yields with residual regression statistics.

	Coefficient	CI95%	Standard error	z	p
Risk of bias	0.0053	-0.0036 ; 0.0141	0.0045	1.17	0.243
Initial screening method	0.0009	-0.0032 ; 0.0050	0.0021	0.43	0.665
Confirmatory test	-0.0031	-0.0116 ; 0.0055	0.0044	-0.71	0.479
Population group	0.0069	0.0044 ; 0.0093	0.0012	5.59	0.000
Population size	-0.0000	-0.0000 ; 0.0000	0.0000	-0.80	0.426
Year	0.0002	-0.0011 ; 0.0015	0.0007	0.34	0.734
TB incidence	0.0000	-0.0000 ; 0.0001	0.0000	1.07	0.283
HIV incidence	0.0467	-0.0987 ; 0.1921	0.0742	0.63	0.529
Constant	-0.4639	-3.0571 ; 2.1294	1.3231	-0.35	0.726

Tau^2 = 0.001497

I^2 (%) = 100.00

H^2 = 21002.67

R^2 (%) = 24.47

TB=Tuberculosis; HIV=human immunodeficiency virus.

Table 10. Multivariable random-effects meta-regression model for yield/prevalence ratios with residual regression statistics.

	Coefficient	CI95%	Standard error	z	p
Risk of bias	3.677	0.481 ; 6.872	1.630	2.26	0.024
Initial screening method	2.482	0.997 ; 3.967	0.758	3.28	0.001
Confirmatory test	0.143	-3.276 ; 3.563	1.745	0.08	0.934
Population group	2.278	1.404 ; 3.152	0.446	5.11	0.000
Population size	0.000	-0.000 ; 0.000	0.000	0.13	0.893
Year	-0.174	-0.637 ; 0.289	0.236	-0.74	0.461
TB incidence	-0.031	-0.055 ; -0.007	0.012	-2.53	0.011
HIV incidence	40.054	-16.112 ; 96.220	28.657	1.40	0.162
Constant	340.689	-593.210 ; 1274.588	476.488	0.71	0.475

Tau^2 = 165.2

I^2 (%) = 100.00

H^2 = 43206.72

R^2 (%) = 42.40

TB=Tuberculosis; HIV=Human immunodeficiency virus.