

Supporting information for Murray (January 29, 2002) *Proc. Natl. Acad. Sci. USA*,
10.1073/pnas.022618299.

Table 5. Impact of variables on the incidence of infection and disease and the distribution of cluster sizes in a microsimulation model of tuberculosis transmission in a moderate burden setting

Variables	Inc*	SD [†]	ARI [‡]	SD	Prop uniq [§]	SD	Max [¶]	Mean	SD
Bacillus Calmette--Guérin coverage									
0	37.84	12.60	0.0030	0.0017	0.33	0.12	10	1.76	0.43
0.2	32.25	13.72	0.0022	0.0018	0.43	0.10	9	1.70	0.32
0.4	29.98	19.65	0.0020	0.0018	0.47	0.41	14	2.41	1.92
0.6	30.98	15.80	0.0020	0.0017	0.36	0.15	7	1.90	0.60
0.8	34.98	14.89	0.0021	0.0011	0.43	0.24	7	1.76	0.56
1	24.30	9.32	0.0015	0.0014	0.55	0.39	6	1.82	0.72
Chemoprophylaxis									
0.2	33.14	15.04	0.0022	0.0025	0.58	0.25	6	1.45	0.27
0.4	26.50	7.20	0.0018	0.0014	0.47	0.10	7	1.59	0.42
0.6	20.78	9.57	0.0009	0.0007	0.62	0.39	10	1.68	0.94
0.8	16.54	5.49	0.0007	0.0006	0.73	0.29	3	1.24	0.31
1	14.80	6.32	0.0006	0.0001	0.77	0.26	2	1.12	0.28
Duration of infectiousness									
3m	23.58	11.58	0.0014	0.0010	0.51	0.24	5	1.20	0.39
6m	27.93	5.30	0.0019	0.0022	0.40	0.19	4	1.39	0.47
9m	32.07	18.75	0.0021	0.0017	0.43	0.20	9	1.45	0.30
12m	34.76	9.54	0.0025	0.0015	0.42	0.12	7	1.63	0.41
15m	33.71	25.83	0.0031	0.0027	0.30	0.10	7	1.59	0.36
18m	37.20	13.47	0.0038	0.0019	0.28	0.23	12	1.88	0.40
Proportion of latently infected who receive treatment									
0.2	22.58	12.63	0.0016	0.0015	0.45	0.21	6	1.60	0.27
0.4	19.61	5.92	0.0013	0.0012	0.50	0.10	7	1.63	0.42
0.6	14.43	4.88	0.0007	0.0003	0.47	0.30	4	1.58	0.94
0.8	13.40	3.64	0.0005	0.0003	0.51	0.21	2	1.59	0.31
HIV prevalence									
0.0001	22.33	17.75	0.0008	0.0007	0.34	0.57	13	2.00	0.37
0.001	23.10	5.53	0.0040	0.0010	0.48	0.41	6	1.67	0.79
0.01	193.60	35.22	0.0218	0.0048	0.46	0.04	15	1.73	0.43
0.1	575.60	75.75	0.0495	0.0028	0.52	0.04	24	1.58	0.26
PPD prevalence									
0.166	32.25	13.72	0.0022	0.0018	0.43	0.10	9	1.77	0.32

0.259	39.96	7.06	0.0029	0.0013	0.44	0.08	5	1.70	0.35
0.324	52.78	36.47	0.0033	0.0026	0.49	0.23	14	1.65	0.57
0.373	58.80	26.12	0.0030	0.0021	0.58	0.22	6	1.56	0.40
0.4113	73.86	41.69	0.0036	0.0028	0.63	0.23	5	1.39	0.48
Age structure									
1	37.09	18.43	0.0026	0.0015	0.35	0.22	10	1.97	0.69
2	32.25	13.72	0.0022	0.0018	0.43	0.10	9	1.70	0.32
3	26.48	9.15	0.0017	0.0012	0.48	0.09	8	1.69	0.33

Baseline parameters are based on estimates for Algeria and are shown in yellow.

*Incidence as cases per 100,000.

†Standard deviation.

‡Annual risk of infection.

§Proportion of cases that are unique.

¶Maximum cluster size.

||Mean cluster size.