

## Supplementary Tables

Supplementary Table 1. Regression results for ring 1 for tuberculin skin test detectable infections.

Risk factor	Cases Infections	Total tested	%	Univariate			Multivariate		
				OR	95% CI	P	OR	95% CI	P
Ring 1	296	1696	17.4						
<i>Gender</i>									
Male	151	828	18.2	1.00					
Female	144	825	17.5	0.95	0.74-1.22	0.68			
Missing	1	44	2.3						
<i>Age of contact</i>									
< 20 years	108	620	17.4						
21-30 years	64	401	16.0						
31-40 years	52	297	17.5						
41-50 years	46	243	18.9						
> 50	26	134	19.4						
Missing	0	2	0.0						
Continuous 10 years				1.06	0.98-1.15	0.17	1.12	1.03-1.22	0.011
<i>Relationship</i>									
Residential/family	103	470	21.9	1.00		0.025	1.00		0.001
Work/education	173	1093	15.8	0.67	0.51-0.88	0.004	0.55	0.41-0.74	<0.001
Leisure time/other	10	75	13.3	0.55	0.27-1.11	0.093	0.57	0.28-1.17	0.13
Unknown/censored	10	59	16.9	0.73	0.36-1.49	0.38	0.57	0.27-1.19	0.14
<i>Age of index</i>									
< 20 years	82	328	25.0						
21-30 years	82	499	16.4						
31-40 years	41	235	17.4						
41-50 years	51	310	16.5						
> 50	40	325	12.3						
Continuous 10 years				0.87	0.81-0.95	0.001	0.83	0.76-0.92	<0.001
<i>Ethnic background</i>									
						0.001			<0.001

Dutch	121	857	14.1	1.00			1.00		
Western	50	235	21.3	1.64	1.14-2.37	0.008	2.08	1.40-3.09	<0.001
Non-western	125	605	20.7	1.58	1.20-2.09	0.001	1.70	1.28-2.27	<0.001
<i>Index diagnosis</i>									
PTB AFB+	260	1272	11.7	1.00			1.00		<0.001
PTB AFB-	20	263	3.2	0.32	0.20-0.52	<0.001	0.31	0.19-0.50	<0.001
ETB	16	162	3.6	0.43	0.25-0.73	0.002	0.49	0.29-0.85	0.011
<i>Strain medication resistance</i>									
Susceptible	263	1544	17.0	1.00					
Resistant	33	153	21.6	1.34	0.89-2.01	0.16			
<i>BAL performed</i>									
Yes	62	388	16.0	0.87	0.64-1.19	0.39			
No	234	1309	17.9	1.00					
<i>Investigation size</i>									
< 50	197	1110	17.7						
51-100	35	225	15.6						
101-500	57	265	21.5						
> 500	7	97	7.2						
Continuous 100 persons				0.95	0.88-1.01	0.12			
<i>Quarter</i>									
First	88	548	16.1	1.00					
Second	77	427	18.0	1.15	0.82-1.61	0.42			
Third	63	295	21.4	1.42	0.99-2.03	0.06			
Fourth	68	427	15.9	0.99	0.70-1.40	0.96			

PTB, pulmonary tuberculosis; ETB, extra-pulmonary tuberculosis

Supplementary Table 2. Regression results for ring 2 for tuberculin skin test detectable infections.

Risk factor	Cases Infections (OTB)	Total tested	%	Univariate			Multivariate		R <sup>2</sup> =0.051
				OR	95% CI	P	OR	95% CI	P
Ring 2	611	6232	9.8						
<i>Contact specific factors</i>									
<i>Gender</i>									
Male	334	3100	10.8	1.00					
Female	277	2970	9.3	0.85	0.72-1.01	0.061			
Missing	0	162	0.0						
<i>Age of contact</i>									
< 20 years	101	1349	7.5						
21-30 years	160	1583	10.1						
31-40 years	149	1458	10.2						
41-50 years	116	1171	9.9						
> 50	85	658	12.9						
Missing	0	13	0.0						
Continuous 10 years				1.11	1.04-1.17	0.001	1.17	1.09-1.24	<0.001
<i>Relationship</i>									
Residential/family	148	1152	12.8	1.00		<0.001	1.00		<0.001
Work/education	275	3542	7.8	0.57	0.46-0.71	<0.001	0.51	0.41-0.65	<0.001
Leisure time/other	150	1357	11.1	0.84	0.66-1.07	0.17	0.77	0.60-0.99	0.045
Unknown/censored	38	181	21.0	1.80	1.21-2.68	0.004	1.59	1.05-2.41	0.029
<i>Index specific factors</i>									
<i>Age of index</i>									
< 20 years	75	819	9.2						
21-30 years	181	1740	10.4						
31-40 years	146	1601	9.1						
41-50 years	113	1032	10.9						
> 50	96	1040	9.2						
Continuous 10 years				0.99	0.94-1.05	0.72			
<i>Ethnic background</i>									
Dutch	221	2258	9.8	1.00		0.68			
Western	109	1037	10.5	1.08	0.85-1.38	0.52			

Non-western	281	2937	9.6	0.98	0.81-1.17	0.79			
<i>Index diagnosis</i>									
PTB AFB+	549	5451	10.1	1.00			0.008		0.024
PTB AFB-	58	605	9.6	0.95	0.71-1.26	0.71	1.00	0.98	0.72-1.32
ETB	4	176	2.3	0.21	0.08-0.56	0.002	0.25	0.09-0.68	0.006
<i>Strain medication resistance</i>									
Susceptible	571	5764	9.9	1.00					
Resistant	40	468	8.5	0.85	0.61-1.19	0.34			
<i>BAL performed</i>									
Yes	118	1440	8.2	0.78	0.63-0.96	0.019	0.080	0.64-0.99	0.043
No	493	4792	10.3	1.00			1.00		
<i>Investigation specific factors</i>									
<i>Investigation size</i>									
< 50	221	2128	10.4						
51-100	111	1066	10.4						
101-500	218	2488	8.8						
> 500	61	550	11.1						
Continuous 100 persons				1.03	1.01-1.07	0.022	1.05	1.01-1.08	0.005
<i>Infected fraction ring 1</i>									
0.0	331	4224	7.8						
0.0-0.15	85	529	16.1						
0.16-0.5	89	854	10.4						
0.5-0.99	55	371	14.8						
1.0	51	254	20.1						
Continuous				2.86	2.17-3.76	<0.001	3.19	2.40-4.23	<0.001
<i>Quarter</i>									
First	214	2041	10.5	1.00					0.023
Second	135	1672	8.1	0.75	0.60-0.94	0.012			
Third	147	1317	11.2	1.07	0.86-1.34	0.54			
Fourth	115	1202	9.6	0.90	0.71-1.15	0.40			

Supplementary Table 3. Regression results for ring 3 for tuberculin skin test detectable infections.

Risk factor	Cases Infections (OTB)	Total tested	% Infected	Univariate			Multivariate		R <sup>2</sup> =0.085
				OR	95% CI	P	OR	95% CI	
Ring 3	233	4769	4.9						
<i>Contact specific factors</i>									
<i>Gender</i>									
Male	110	2190	5.0	1.00					
Female	122	2185	5.6	1.12	0.86-1.46	0.41			
Missing	1	394	0.3						
<i>Age of contact</i>									
< 20 years	23	1132	2.0						
21-30 years	69	1502	4.6						
31-40 years	48	942	5.1						
41-50 years	51	701	7.3						
> 50	42	450	9.3						
Missing	0	42	0.0						
Continuous 10 years				1.41	1.27-1.55	<0.001	1.32	1.19-1.47	<0.001
<i>Relationship</i>									
Residential/family	4	48	8.3	1.00					0.39
Work/education	103	2328	4.4	0.51	0.18-1.44	0.20			
Leisure time/other	74	1393	5.3	0.62	0.22-1.76	0.37			
Unknown/censored	52	1000	5.2	0.60	0.21-1.74	0.35			
<i>Index specific factors</i>									
<i>Age of index</i>									
< 20 years	51	1408	3.6						
21-30 years	42	820	5.1						
31-40 years	17	390	4.4						
41-50 years	79	1521	5.2						
> 50	44	630	7.0						
Continuous 10 years				1.19	1.08-1.30	<0.001	1.28	1.14-1.44	<0.001
<i>Ethnic background</i>									
Dutch	138	3366	4.1	1.00			1.00		
Western	12	144	8.3	2.13	1.15-3.93	0.016	2.41	1.29-4.51	0.006
Non-western	83	1259	6.6	1.65	1.25-2.19	<0.001	3.44	2.41-4.90	<0.001

<i>Index diagnosis</i>									
PTB AFB+	214	4482	4.8	1.00					0.13
PTB AFB-	18	283	6.4	1.36	0.82-2.23				0.23
ETB	1	4	25.0	6.65	0.70-64.2				0.10
<i>Strain medication resistance</i>									
Susceptible	226	4725	4.8	1.00			1.00		
Resistant	7	44	15.9	3.77	1.66-8.54	0.002	4.61	1.90-11.2	<0.001
<i>BAL performed</i>									
Yes	64	1411	4.5	0.90	0.67-1.20				0.47
No	169	3358	5.0	1.00					
<i>Investigation specific factors</i>									
<i>Investigation size</i>									
< 50	28	236	11.9						
51-100	27	154	17.5						
101-500	53	1382	3.8						
> 500	125	2997	4.2						
Continuous 100 persons				0.97	0.95-0.98	<0.001			
<i>Infected fraction ring 1</i>									
0.0	84	1266	6.6						
0.0-0.15	85	1843	4.6						
0.16-0.5	59	1421	4.2						
0.5-0.99	2	47	4.3						
1.0	3	192	1.6						
<i>Infected fraction ring 2</i>									
0.0	26	690	3.8						
0.0-0.15	88	3218	2.7						
0.16-0.5	101	3092	3.3						
0.5-1.00	20	277	7.2						
Continuous				8.18	3.03-22.12	<0.001	9.22	3.37-25.2	<0.001
<i>Quarter</i>									0.012
First	33	410	8.0	1.00					
Second	44	1080	4.1	0.49	0.30-0.77	0.002			
Third	28	502	5.6	0.68	0.40-1.14	0.14			
Fourth	128	2777	4.6	0.55	0.37-0.82	0.003			

Supplementary Table 4. Regression results for ring 1 for all contacts for diagnosing a contact with ocular tuberculosis.

Risk factor	Cases TB Cases	Total tested	% Infected	Univariate			Multivariate			R <sup>2</sup> =0.124
				OR	95% CI	P	OR	95% CI	P	
Ring 1	53	3243	1.6							
<i>Contact specific factors</i>										
<i>Gender</i>										
Male	29	1617	1.8	1.00						
Female	24	1579	1.5	0.85	0.49-1.46	0.55				
Missing	0	47	0.0							
<i>Age of contact</i>										
< 20 years	26	1073	2.4							
21-30 years	16	707	2.3							
31-40 years	4	550	0.7							
41-50 years	3	481	0.6							
> 50	4	428	0.9							
Missing	0	4	0.0							
Continuous 10 years				0.71	0.60-0.85	<0.001	0.713	0.60-0.85	<0.001	
<i>Relationship</i>										
Residential/family	20	978	2.0	1.00						0.29
Work/education	26	2031	1.3	0.62	0.35-1.12	0.11				
Leisure time/other	4	165	2.4	1.19	0.40-3.53	0.75				
Unknown/censored	3	122	2.5	1.21	0.35-4.13	0.76				
<i>Index specific factors</i>										
<i>Age of index</i>										
< 20 years	11	611	1.8							
21-30 years	17	889	1.9							
31-40 years	7	534	1.3							
41-50 years	16	622	2.6							
> 50	2	640	0.3							
Continuous 10 years				0.82	0.68-0.98	0.031				
<i>Ethnic background</i>										
Dutch	8	1246	0.6	1.00						0.003
Western	14	494	2.8	4.51	1.88-10.8	0.001				
Non-western	31	1556	2.0	3.14	1.44-6.87	0.004				

<i>Index diagnosis</i>									
PTB AFB+	46	2228	2.1	1.00		0.017			<0.001
PTB AFB-	5	621	0.8	0.39	0.15-0.97	0.044	0.21	0.08-0.55	0.002
ETB	2	447	0.4	0.21	0.05-0.88	0.033	0.09	0.02-0.38	0.001
<i>Strain medication resistance</i>									
Susceptible	48	3032	1.6	1.00					
Resistant	5	264	1.9	1.20	0.47-3.04	0.70			
<i>BAL performed</i>									
Yes	43	2602	1.7	0.87	0.44-1.74	0.69			
No	10	694	1.4	1.00					
<i>Investigation specific factors</i>									
<i>Investigation size</i>									
< 50	45	2425	1.9						
51-100	6	368	1.6						
101-500	2	385	0.5						
> 500	0	118	0.0						
Continuous 100 persons				0.43	0.19-0.97	0.041	0.19	0.06-0.56	0.003
<i>Quarter</i>						0.016			0.011
First	6	1006	0.6	1.00			1.00		
Second	13	844	1.5	2.61	0.99-6.89	0.053	2.45	0.92-6.51	0.072
Third	15	672	2.2	3.81	1.47-9.86	0.006	4.20	1.61-11.0	0.003
Fourth	19	774	2.5	4.19	1.67-10.55	0.002	4.14	1.64-10.5	0.003



Supplementary Table 5. Regression results for ring 1 for all contacts for diagnosing a contact with ocular tuberculosis.

Risk factor	Cases TB Cases	Total tested	% Infected	Univariate			Multivariate			R <sup>2</sup> =0.052
				OR	95% CI	P	OR	95% CI	P	
Ring 2	38	10929	0.3							
<b>Contact specific factors</b>										
<i>Gender</i>										
Male	22	5701	0.4	1.00						
Female	16	4932	0.3	0.84	0.44-1.60	0.60				
Missing		334	0.0							
<i>Age of contact</i>										
< 20 years	13	1946	0.7							
21-30 years	10	2575	0.4							
31-40 years	5	2487	0.2							
41-50 years	7	2195	0.3							
> 50	3	1741	0.2							
Missing	0	23	0.0							
Continuous 10 years				0.75	0.61-0.92	0.007				
<i>Relationship</i>										
Residential/family	16	2273	0.7	1.00			1.00			0.007
Work/education	11	5991	0.2	0.26	0.12-0.56	0.001	0.25	0.12-0.55	0.001	
Leisure time/other	10	2403	0.4	0.59	0.27-1.30	0.19	0.63	0.29-1.41	0.26	
Unknown/censored	1	300	0.3	0.47	0.06-3.57	0.47	0.61	0.08-4.68	0.63	
<b>Index specific factors</b>										
<i>Age of index</i>										
< 20 years	8	1282	0.6							
21-30 years	13	3292	0.4							
31-40 years	6	2664	0.2							
41-50 years	10	1863	0.5							
> 50	1	1866	0.1							
Continuous 10 years				0.77	0.61-0.99	0.039	0.78	0.61-1.00	0.050	
<i>Ethnic background</i>										
Dutch	11	3342	0.3	1.00						0.39
Western	10	1960	0.5	1.55	0.66-3.66	0.32				
Non-western	17	5665	0.3	0.91	0.43-1.95	0.81				
<i>Index diagnosis</i>										
						0.78				

PTB AFB+	33	9565	0.3	1.00					
PTB AFB-	5	1034	0.5	1.40	0.55-3.60	0.48			
ETB	0	368	0.0	-					
<i>Strain medication resistance</i>									
Susceptible	32	10217	0.3	1.00					
Resistant	6	750	0.8	2.57	1.07-6.16	0.035			
<i>BAL performed</i>									
Yes	10	2407	0.4	1.27	0.62-2.62	0.52			
No	28	8560	0.3	1.00					
<b>Investigation specific factors</b>									
<i>Investigation size</i>									
< 50	14	4141	0.3						
51-100	4	1754	0.2						
101-500	11	4041	0.3						
> 500	9	1031	0.9						
Continuous 100 persons				1.02	0.90-1.15	0.76			
<i>Infection fraction ring 1</i>									
0.0	18	7546	0.2						
0-0.15	6	1121	0.5						
0.15-0.5	5	1520	0.3						
0.5-1.0	9	780	1.2						
Continuous				5.45	2.23-13.4	<0.001	3.67	1.44-9.38	0.007
<i>Quarter</i>									
First	14	3387	0.4	1.00					0.19
Second	4	2872	0.1	0.34	0.11-1.02	0.055			
Third	11	2263	0.5	1.18	0.53-2.60	0.69			
Fourth	9	2445	0.4	0.89	0.39-2.06	0.79			

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