

**Online supplement 1.** Distribution of comorbid diagnoses up to 3 years before and up to 3 years after TB diagnosis among cases and controls. Main diseases groups after ICD-10 categories (Panel A) and single diagnoses affecting more than 1% of cases and/or controls (Panel B)

**A**

Classification groups	Before diagnosis						After diagnosis					
	Share with diagnosis		OR	95% CI	p-value	Share with diagnosis		OR	95% CI	p-value		
	Case (%)	Control (%)				Case (%)	Control (%)					
Infectious diseases	4.9	1.5	1.78	1.53	2.06	<0.001	44.0*	1.7	13.29	12.35	14.29	0.000
Neoplasms	5.0	3.0	1.12	0.98	1.28	0.100	6.5	4.2	1.09	0.96	1.25	0.189
Haematological diseases	2.1	0.4	2.20	1.72	2.80	<0.001	2.4	0.8	1.52	1.21	1.91	<0.001
Endocrine, nutritional and metabolic diseases	4.4	2.1	1.38	1.19	1.61	<0.001	6.1	2.7	1.27	1.10	1.47	0.001
Mental and behavioural disorders	4.8	1.4	1.82	1.57	2.12	<0.001	5.0	1.7	1.30	1.11	1.53	0.001
Diseases of the nervous system	3.0	1.9	0.95	0.80	1.13	0.567	4.1	2.2	1.05	0.89	1.24	0.545
Diseases of the eye	4.2	3.1	1.07	0.92	1.24	0.365	5.1	3.2	1.17	1.01	1.35	0.038
Diseases of the ear and mastoid process	3.4	2.8	0.97	0.83	1.14	0.721	3.7	3.1	0.99	0.84	1.17	0.879
Diseases of the circulatory system	8.8	5.7	0.99	0.89	1.10	0.856	10.3	7.5	0.93	0.83	1.03	0.172
Diseases of the respiratory system	12.4	3.8	2.28	2.08	2.51	<0.001	15.3	4.3	2.33	2.11	2.56	<0.001
Gastro-intestinal disease	11.3	5.1	1.44	1.31	1.59	<0.001	12.4	6.2	1.16	1.05	1.29	0.004
Diseases of the skin	4.8	1.8	1.66	1.43	1.91	<0.001	5.4	2.2	1.31	1.13	1.52	<0.001
Diseases of the musculoskeletal system and connective tissue	11.5	8.0	1.13	1.03	1.24	0.007	12.3	8.8	1.03	0.93	1.13	0.603
Diseases of the genitourinary system	7.1	4.5	1.06	0.94	1.19	0.328	9.0	5.3	1.04	0.93	1.17	0.464
Pregnancy, childbirth and the puerperium	5.8	5.1	0.88	0.75	1.02	0.098	7.0	5.2	1.04	0.89	1.22	0.626
Symptoms, signs and abnormal clinical and laboratory findings not elsewhere classified	15.1	6.1	1.65	1.51	1.80	<0.001	19.8	8.1	1.50	1.37	1.63	<0.001
Injury, poisoning and certain other consequences of external causes	27.5	23.1	0.98	0.92	1.05	0.641	29.3	23.6	0.97	0.91	1.04	0.453
Factors influencing health status and contact with health services	37.0	19.8	1.91	1.78	2.04	<0.001	43.6	23.6	1.56	1.46	1.67	<0.001

\* In the post-diagnosis analysis, 3,124 of 3,214 cases with a diagnosis in the classification group "infectious diseases" had a diagnosis in the ICD-10 spectrum A15 through A19 (tuberculosis in different forms). This may represent relapsing TB and reinfections, but may also represent administrative procedures, including change of tuberculosis diagnosis later on, thereby representing the inclusion diagnosis. Excluding A15-A19, 692 (9.4%) of cases had at least diagnosis in the "infectious disease" groups post diagnosis, versus 1.7% of controls, p<0.001.

**B**

Comorbidities within three years before TB-diagnosis	Cases		Controls	
	ICD-10	%	ICD-10	%
Diabetes mellitus, Type II	E119	1.09		0.38
Alcohol intoxication	F100	1.39		0.39
Alcohol addiction	F102	1.46		0.30
Cataract	H259	1.59		0.97
Angina pectoris	I209	1.16		0.83
Pneumonia	J189	4.32		0.83
COPD exacerbation	J441	1.62		0.29
COPD	J449	2.26		0.54
Asthma	J459	1.07		0.47
Dyspepsia	K309	1.09		0.23
Myositis	M626	1.42		0.45
Child birth	O800	2.88		2.68
Acute abdomen	R100	1.12		0.40
Colica	R108	1.85		0.75
Abnormal radiological findings of the lungs	R919	1.98		0.12
Epicranial wound	S010	1.36		0.61
Cerebral commotion	S060	1.40		0.64
Wound on hands	S610	1.89		1.75
Ankle distortion	S934	1.65		1.79
Observation because of suspected TB	Z030	1.94		0.02
Observation because of suspected malignant disease	Z031	2.06		0.51
Observation because of heart disease	Z035	2.15		1.24
Observation, other diseases	Z038	3.10		1.11
Observation because of non-specified diseases	Z039	12.99		5.57
Follow-up after prior TB	Z090	1.89		1.24
Contact to TB patient	Z201	5.35		0.19
Consultation during 1st pregnancy	Z340	1.12		1.41
Consultation during pregnancy, multipara	Z348	1.98		1.48
Non-specified contact to health service	Z769	1.40		0.73

  

Comorbidities within three years after TB-diagnosis	ICD-10	Cases %	Controls %
Sequelae after prior TB	B909	2.46	0.01
Lung cancer	C349	1.30	0.24
Diabetes mellitus, Type II	E119	1.19	0.50
Alcohol intoxication	F100	1.60	0.37
Alcohol addiction	F102	1.91	0.29
Cataract	H259	1.52	1.13
Presbycusis	H911	0.83	1.17
Angina pectoris	I209	1.23	0.84
Pneumonia	J189	5.68	1.15
COPD exacerbation	J441	2.00	0.37
COPD exacerbation	J449	3.31	0.64
Asthma	J459	1.22	0.37
Myositis	M626	1.48	0.44
Pain in limbs	M796	1.11	0.56
Abortus provocatus	O049	1.14	0.76
Child birth	O800	3.46	2.74
Haemoptysis	R042	1.12	0.11
Cough	R059	1.33	0.39
Dyspnea	R060	1.16	0.31
Acute abdomen	R100	1.61	0.48
Colica	R108	2.90	0.93
Abnormal radiological findings of the lungs	R919	2.07	0.17
Epicranial wound	S010	1.24	0.73
Cerebral commotion	S060	1.22	0.56
Wound on hands	S610	2.02	1.78
Knee contusion	S800	1.03	0.67
Ankle distortion	S934	1.70	1.77
Radiological investigation	Z016	1.19	0.06
Observation because of suspected TB	Z030	2.72	0.04
Observation because of suspected malignant disease	Z031	1.83	0.90
Observation because of suspected neurological diseases	Z033	1.52	0.91
Observation because of suspected heart disease	Z035	2.95	1.77
Observation, other diseases	Z038	4.55	1.63
Observation because of non-specified diseases	Z039	16.10	6.71
Follow-up after surgery	Z090	2.22	1.64
Follow-up after unspecified treatment	Z098	1.11	0.51
Contact to TB patient	Z201	4.47	0.20
Consultation during 1st pregnancy	Z340	1.05	1.03
Consultation during pregnancy, multipara	Z348	2.82	1.97
Orthopaedic follow-up or rehabilitation	Z479	1.12	0.71
Physical rehabilitation	Z508	1.18	0.51
Non-specified contact to health service	Z769	2.08	0.86