

Appendix 2: Baseline characteristics of PTB patients in the primary and validation cohorts

Characteristics	Primary Cohort	Validation Cohort	p-value
n	1894	259	
TBTB, n (%)	753 (39.8)	116 (44.8)	0.122
EPTB, n (%)	176 (9.3)	28 (10.8)	0.434
Gender, n (%)			0.55
Male	1001 (52.9)	142 (54.8)	
Female	893 (47.1)	117 (45.2)	
Age, n (%)			0.097
≥ 60	202 (10.7)	31 (12)	
< 45	1218 (64.3)	149 (57.5)	
45-59	474 (25)	79 (30.5)	
Smoker, n (%)			0.784
No	1293 (68.3)	179 (69.1)	
Yes	601 (31.7)	80 (30.9)	
Underlying diseases, n (%)			
Diabetes	131 (6.9)	17 (6.6)	0.833
Hypertension	34 (1.8)	18 (6.9)	< 0.001
Anti-TB treatment history, n (%)			< 0.001
0 times	691 (36.5)	129 (49.8)	
≥ 1times	1203 (63.5)	130 (50.2)	
Number of previous hospitalizations, n (%)			< 0.001
0	888 (46.9)	53 (20.5)	
1-2	918 (48.5)	170 (65.6)	
3-4	66 (3.5)	24 (9.3)	
≥ 5	22 (1.2)	12 (4.6)	
Symptoms, n (%)			
Cough	1387 (73.2)	181 (69.9)	0.256
Sputum production	637 (33.6)	91 (35.1)	0.632
Tachypnea	292 (15.4)	53 (20.5)	0.038
Hemoptysis	263 (13.9)	27 (10.4)	0.126
Fever	278 (14.7)	36 (13.9)	0.739
Chest pain	156 (8.2)	36 (13.9)	0.003
Chest discomfort	146 (7.7)	36 (13.9)	< 0.001
Night sweat	79 (4.2)	22 (8.5)	0.002
Duration of symptoms, n (%)			0.007
≤ 4 weeks	520 (27.5)	92 (35.5)	
> 4 weeks	1374 (72.5)	167 (64.5)	
Pulmonary function test			< 0.001
Normal	564 (29.8)	128 (49.4)	
Abnormal	1330 (70.2)	131 (50.6)	
Chest CT manifestations			
Lung cavity	468 (24.7)	63 (24.3)	0.893
Atelectasis	69 (3.6)	17 (6.6)	0.024

Abbreviations: PTB, pulmonary tuberculosis; TBTB, tracheobronchial tuberculosis; EPTB, extrapulmonary tuberculosis.