

Multimedia Appendix 4

The performance of the one-year lung cancer risk prediction model in the prospective cohort, summarized in PPV, sensitivity, specificity and mean relative risk.

Risk Category	Low	Medium	High	Total
Intervals	[0-0.0045]	[0.0045-0.01]	[0.01-1]	
Number of Patient	673,075	109,662	53,922	836,659
True Positive	262	326	579	1,167
PPV (%)	0.04	0.3	1.07	
Sensitivity (%)	22.45	27.93	49.61	
Specificity(%)	80.53	13.09	6.38	
Mean Relative Risk	0.28	2.13	7.7	