

Additional file 1. TRIPOD Checklist

Table 1: TRIPOD Checklist for the Prediction Model Study

TRIPOD Item	Description	Page
Title (1)	Identify the study as developing a prediction model	1
Abstract (2)	Structured summary	1
Background (3a)	Medical context and rationale	2–3
Objectives (3b)	Study objectives including target population	2–3
Source of data (4a)	Describe study design and setting	4
Participants (5a)	Eligibility criteria and treatment setting	4–5
Outcome (6a)	Define outcome including blinding	5
Predictors (7a)	Define candidate predictors	5–6
Sample size (8)	Explain sample size	6
Missing data (9)	Describe handling of missing data	6, 11
Statistical methods (10a)	Describe modeling method	6–7
Statistical methods (10b)	Describe variable selection method	7
Statistical methods (10d)	Specify measures for model performance	7–8
Risk groups (11)	Detail any risk group creation	N/A
Participants (13a)	Describe flow of participants	9
Participants (13b)	Describe participant characteristics	10–11
Model development (14a)	Specify number of participants and events	9–11
Model development (14b)	Report unadjusted associations	10–11
Model specification (15a)	Present full prediction model	12–13; Additional file 2
Model specification (15b)	Explain variable selection	11
Model performance (16)	Report performance measures	13–16
Limitations (18)	Discuss limitations	17–19
Interpretation (19a)	Discuss results with reference to objectives	17–19
Implications (20)	Discuss potential clinical use	17–19
Supplementary information (22)	Provide supplementary information	Additional files 1–3