nature medicine

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Table 1 The MI-CLAIM checklist

From: Minimum information about clinical artificial intelligence modeling: the MI-CLAIM checklist

Before paper submission					
Study design (Part 1)	Completed: page number		Notes if not completed		
The clinical problem in which the model will be employed is clearly detailed in the paper.	Ą	1			
The research question is clearly stated.	\forall	[
The characteristics of the cohorts (training and test sets) are detailed in the text.	b /				
The cohorts (training and test sets) are shown to be representative of real-world clinical settings.	V	1			
The state-of-the-art solution used as a baseline for comparison has been identified and detailed.			no boseline needed		
Data and optimization (Parts 2, 3)	Completed: page number		Notes if not completed		

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		no test set needed
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Reproducibility (Part 6): choose appropriate tier of transparency					
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Before paper submission						
Study design (Part 1)	Comple page nu		Notes if not completed			
Tier 2: allow a third party to evaluate the code for accuracy/fairness; share the results of this evaluation						
Tier 3: release of a virtual machine (binary) for running the code on new data without sharing its details						
Tier 4: no sharing						

PPV, positive predictive value; NNT, numbers needed to treat.

^aCommon examination approaches based on study type: for studies involving exclusively structured data, coefficients and sensitivity analysis are often appropriate; for studies involving unstructured data in the domains of image analysis or natural language processing, saliency maps (or equivalents) and sensitivity analyses are often appropriate.

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