STARD - BLCM

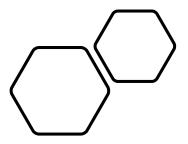
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The STARD family

STARD

- STARD 2015
- STARDdem
- STRADAS-paraTB
- STARD-BLCM
- STARD for Abstracts

















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Library for health research reporting

The Library contains a comprehensive searchable database of reporting guidelines and also links to other resources relevant to research reporting.



Reporting guidelines for main study types

Randomised trials

CONSORT

Extensions

Observational studies

STROBE

Extensions

Systematic reviews

PRISMA

Extensions

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STARD-BLCM Checklist

TITLE OR ABSTRACT

ABSTRACT

INTRODUCTION

METHODS

Study design

Participants

Test methods

Analysis

RESULTS

Participants

Test results

DISCUSSION

OTHER INFORMATION







Section & Topic	No	ltem
TITLE OR ABSTRACT		
	1	Identification as a study of diagnostic accuracy, using at least one measure of accuracy (such as sensitivity, specificity, predictive values, or AUC) and Bayesian latent class models
ABSTRACT		
	2	Structured summary of study design, methods, results, and conclusions (for specific guidance, see STARD for Abstracts)
INTRODUCTION		
	3	Scientific and clinical background, including the intended use and clinical role of the tests under evaluation
	4	Study objectives and hypotheses, such as estimation of diagnostic accuracy of the tests for a defined purpose through BLCM







METHODS		
Study design	5	Whether data collection was planned before the tests were performed (prospective study) or after (retrospective study)
Participants	6	Eligibility criteria and description of the source population
	7	On what basis potentially eligible participants were identified
		(such as symptoms, results from previous tests, inclusion in registry)
	8	Where and when potentially eligible participants were identified (setting, location and dates)
	9	Whether participants formed a consecutive, random or convenience series







Test methods	10	Description of the tests under evaluation, in sufficient detail to allow replication, and/or cite references
	11	Rationale for choosing the tests under evaluation in relation to their purpose
	12	Definition of and rationale for test positivity cut-offs or result categories of the tests under evaluation, distinguishing pre-specified from exploratory
	13	Whether clinical information was available to the performers or readers of the tests under evaluation
Analysis	14a	BLCM model for estimating measures of diagnostic accuracy
	14b	Definition and rationale of prior information and sensitivity analysis
	15	How indeterminate results of the tests under evaluation were handled
	16	How missing data of the tests under evaluation were handled
	17	Any analyses of variability in diagnostic accuracy, distinguishing pre-specified from exploratory
	18	Intended sample size and how it was determined







RESULTS		
Participants	19	Flow of participants, using a diagram
	20	Baseline demographic and clinical characteristics of participants
	21	Not applicable: the distribution of the targeted conditions is unknown, hence the use of







DISCUSSION		
	26	Study limitations, including sources of potential bias, statistical uncertainty, and generalisability
	27	Implications for practice, including the intended use and clinical role of the tests under evaluation in relevant settings (clinical, research, surveillance etc.)
OTHER		
INFORMATION		
	28	Registration number and name of registry
	29	Where the full study protocol can be accessed
	30	Sources of funding and other support; role of funders







No Gold Standard

Definition of the targeted infection status gets complicated but..."better"







Detectable immune response (ELISA)

etectable isolation of the pathogen (Culture)







Bayesian Analysis

Model description

Identifiability

Priors – Sensitivity Analysis







Explicit description of the BLCM model

Model Assumptions







Identifiability







Definition and rationale of prior information and sensitivity analysis







Can the interested reader reproduce your results?









HARMONY

Novel tools for test evaluation and disease prevalence estimation

Thank you!





