

Checklist for reporting on imputation methodology evaluations

1	Simulation scope
<input type="checkbox"/>	Aim
<input type="checkbox"/>	Design (incl. pseudo-code or flow diagram)
<input type="checkbox"/>	Number of simulation repetitions
2	Comparative truth
<input type="checkbox"/>	Data-generating mechanism (model-based or design-based)
<input type="checkbox"/>	Sampling variance
<input type="checkbox"/>	Data characteristics (incl. multivariate relations and structures e.g. clustering)
<input type="checkbox"/>	Estimand
3	Induced missingness
<input type="checkbox"/>	Missingness mechanism (incl. type or functional form of the missing data model)
<input type="checkbox"/>	Missingness pattern (incl. missingness proportion)
4	Applied methods
<input type="checkbox"/>	Imputation methods (incl. parameters e.g. the number of imputations)
<input type="checkbox"/>	Analytic methods (incl. calculation of standard errors e.g. pooling rules)
<input type="checkbox"/>	Reference method (e.g. complete case analysis)
5	Imputation evaluation
<input type="checkbox"/>	Imputation-generating process (e.g. algorithmic non-convergence)
<input type="checkbox"/>	Imputation model fit (e.g. posterior predictive checks)
<input type="checkbox"/>	Distributional characteristics (e.g. plausibility of imputed values)
6	Performance evaluation
<input type="checkbox"/>	Statistical properties (e.g. confidence validity)
<input type="checkbox"/>	Comparative performance (e.g. predictive accuracy)