



2018-2019 Mid-Term Credibility Plan Review

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#	Ten Simple Rules	REVIEWER #1		REVIEWER #2	
		Considered in the Credibility Plan?	Comments	Considered in the Credibility Plan?	Comments
1	Define context clearly	sufficient	Not sufficient specificity	sufficient	Context of model application is concisely given. Examples of application would be suggested to strengthen this factor.
2	Use appropriate data	sufficient	Discussion about data types but not traceability.	sufficient	Describes the type of data, but not the source of the data. Traceability of data sources should be communicated.
3	Evaluate within context	sufficient	Don't know if there's a clear distinction between calibration and validation, and if verification will be performed.	insufficient	Investigators describe data acquisition which is inferred to be associated with validation and calibration activities described in the supplemental material. Missing information on planned UQ and verification.
4	List limitations explicitly	sufficient	Presented in publications	sufficient	How limitations are documented are discussed and an example given on how the information is communicated
5	Use version control	sufficient	Github for code	sufficient	Version control activity is adequately described for Github implementation.
6	Document adequately	sufficient	Publications	sufficient	Documentation via publication methods sections is described. Github used to trace model development activities.
7	Disseminate broadly	sufficient	Conferences, publications, hosting webinars, and some independent testing	sufficient	Dissemination through publication conference presentation is described. Supplementary information mentions making code publicly available in some way, More detail her would improve ability to assess.
8	Get independent reviews	sufficient	Independent reviews with external colleagues on the project	sufficient	Description sufficient to assess credibility status of this factor.
9	Test competing implementations	sufficient	Part of current practice to advance modeling.	sufficient	Description sufficient to assess credibility status of this factor
10	Conform to standards	sufficient	They use: Minimum Information about a Simulation Experiment	sufficient	Description sufficient to assess credibility status of this factor



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General Comments

Reviewer 1:

Good credibility plan with sharing plans and incorporating independent reviews and dissemination.

Reviewer 2:

Thank you for submitting a credibility plan update describing progress within a noteworthy investigation. Generally, the investigator team is following a well laid out credibility plan that maps well to the CPMS TSR. It is note that in most cases the degree of detail provided, illustrating supporting evidence, really strengthens the communication of the models credibility. Although a well described validation and calibration activity is provided, improvement in credibility communication can be achieved by including aspects of verification (model and software) and uncertainty quantification (+sensitivity analysis) to the description of evidence describing the status of the evaluate in context factor.