

Table 2. ICERM implementation criteria for articles deemed likely to reproduce ($n = 56$)

ICERM criteria	Percent compliant, %
A precise statement of assertions to be made in the paper.	100
Full statement (or valid summary) of experimental results.	100
Salient details of data reduction & statistical analysis methods.	91
Necessary run parameters were given.	86
A statement of the computational approach, and why it constitutes a rigorous test of the hypothesized assertions.	8
Complete statements of, or references to, every algorithm used, and salient details of auxiliary software (both research and commercial software) used in the computation.	80
Discussion of the adequacy of parameters such as precision level and grid resolution.	79
Proper citation of all code and data used, including that generated by the authors.	79
Availability of computer code, input and output data, with some reasonable level of documentation.	77
Avenues of exploration examined throughout development, including information about negative findings.	68
Instructions for repeating computational experiments described in the article.	63
Precise functions were given, with settings.	41
Salient details of the test environment, including hardware, system software, and number of processors used.	13