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Author Guideline for Reporting Data Analysis and Statistical Methods in Pharmacology Reports

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Baker, M. 1,500 scientists lift the lid on reproducibility. Nature 533, 452–454 (2016). https://doi.org/10.1038/533452a

Context

Failures of reproducibility cannot be traced to a single cause, but one of the most significant is: A lack of access to methodological details, raw data, and research materials.

For publications but also in the context of submission, it is important to ensure that the information is clear, exhaustive and succinct.

Based on existing published recommendations for reporting data analysis and statistical methods in experimental biology publications, a guidance has been released to assist authors and to facilitate the improved reporting in vivo and in vitro research results for Clinical Trial Authorisation (CTA) or Investigational New Drug Application (IND).



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New Author Guidelines for Displaying Data and Reporting Data Analysis and Statistical Methods in Experimental Biology

Martin C. Michel, T.J. Murphy, and Harvey J. Motulsky Molecular Pharmacology January 2020, 97 (1) 49-60; DOI: https://doi.org/10.1124/mol.119.118927

The Guidance

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QU-OPE-0540099 _

Version V1.0

For any question related to statistical analysis, interpretation and presentation of results, please do not hesitate to contact your non-clinical statistical support team. QU-OPE-0540099 _ Version V1.0

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Job Aid for Author for Reporting Data Analysis and Statistical Methods in SPRs

Author: Luc Esserméant

from QU-OPE-0532104

Authors should critically evaluate how the data are presented in the SPR to ensure that the information that is needed to support a certain conclusion is presented as clearly and succinctly as possible. Tables figures and individual data should be gatefalled with an equal amount of care and attention to datail specific guidelines for their preparation are niver to low.

In this document, main recommendations come mainly from the ARRIVE guideline (1) and Mitchel, Murphy and Mitchelsy (2).

References

- Percie du Sert N, Hurst V, Ahluwalia A, Alam S, Avey MT, Baker M, Browne WJ, Clark A, Cuthill IC, Dirnagl U, Emerson M, Garner P, Holgate ST, Howells DW, Karp NA, Lazic SE, Lidster K, MacCallum CJ, Macleod M, Pearl EJ, Petersen O, Rawle F, Peynolds P, Rooney K, Sena ES, Silberberg SD, Steckler T and Wurbel H (2020). The ARRIVE guidelines 2.0: updated guidelines for reporting animal research. *PLoS Biol.* doi: 10.1371/journal.pbio.3000410
- 2. Martin C. Michel, T.J. Murphy and Harvey J. Motulsky (2020). Reporting Data Analysis and Statistical Methods, *Molecular Pharmacology*, 97 (1) 49-60; DOI: https://doi.org/10.1124/mol.119.118927



