

The ARRIVE guidelines : Animal Research: reporting of In Vivo Experiments / NC3Rs.

Contributors

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The ARRIVE guidelines

(Animal Research: Reporting of In Vivo Experiments)

NC3Rs



What is ARRIVE?

The ARRIVE guidelines consist of a 20 item checklist of the minimum information that should be included in a manuscript. This information will provide scientists with what they need to repeat or build on a study and assess the validity and generalisation of the findings.

This basic information includes the research background and objectives, study design, animal characteristics, statistical analysis and interpretation of results.

How was ARRIVE developed?

The ARRIVE guidelines are the result of a collaborative project led by the NC3Rs. They were developed as a consensus between scientists, statisticians, journal editors and research funders.

Why should everyone ARRIVE?

Various reviews have demonstrated that there is scope for improving the design, analysis and reporting of animal experiments. This includes the largest survey of the quality of publicly funded animal research which was published in 2009.

Around 100 bioscience journals have endorsed the guidelines. Use of the ARRIVE guidelines will improve the reporting of animal experiments; the NC3Rs is developing further resources to support better experimental design and analysis.

More information on the ARRIVE guidelines including a list of journals endorsing the guidelines can be found on our website: www.nc3rs.org.uk/ARRIVE

Any researcher reporting animal experiments should use the ARRIVE guidelines.



References:

- Kilkenny, C., N. Parsons, et al. (2009) PLoS One 4(11): e7824.
- Kilkenny, C., W. J. Browne, et al. (2010) PLoS Biol 8(6): e1000412.

The National Centre for the Replacement, Refinement and Reduction of Animals in Research (NC3Rs) is a government funded organisation that works to reduce reliance on animal models and improve animal welfare.