

Workshop 3.1 Overview

Making Clinical Trial Analysis More Open and FAIR: Discussion, Ideas Sharing, and Recommendations

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The BMJ has recently mandated code sharing alongside manuscript submissions (Loder 2024; BMJ, DOI 10.1136/bmj.q324), and it is clear that there is an increasing desire to promote 'Open Science' practices, whereby study documentation, datasets, and code are more accessible and useable to readers. However, these methods have limited uptake in clinical research to date (<https://theplosblog.plos.org/2023/07/open-science-by-discipline/>), and practice varies between institutions.

The aim of this workshop is to introduce the concept of 'Open Science' with respect to clinical research, discuss current practice across attendees' institutions, and outline how research can be made more open and transparent with respect to documentation, and datasets. Regarding analysis code specifically, this workshop will also provide general principles of 'good coding practice', as well as introducing 'literate programming' (which can be implemented in Quarto, Jupyter Notebooks and Stata) as an advanced method of tightening links between study documentation and code to enhance transparency and reproducibility.