

Workshop 2.4 Overview

A practical guide to the design, analysis, interpretation and reporting of factorial trials

Mr Brennan Kahan; Prof Alan Montgomery; Prof Edmund Juszcak and Dr Sophie Hall

In factorial trials, two or more interventions are assessed in a single study by randomising participants to multiple treatments. They can offer an efficient way to evaluate multiple interventions in a single trial without increasing the sample size (i.e. doing “two trials in one”). However, factorial trials introduce additional complexities which need to be addressed during their design, conduct, analysis, and reporting.

This workshop will provide an overview of how to design, analyse, interpret, and report factorial trials. Building on our work in developing the 2023 CONSORT and SPIRIT extensions for factorial trials, we will use a mixture of presentations and practical sessions to provide participants with practical tools and tips for undertaking factorial trials.