**NIHR BRC: Oxford Health Training Programme**

**Introduction to Quantitative Methods**

**Tuesday, 24 and Wednesday, 25 November | 10:00–13:00**

This introductory training course introduces PhD students and early-career researchers to the principles and practical application of quantitative research, an approach that uses numbers, measurement, and statistical analysis to answer research questions with rigour and precision.

The course is designed to accommodate participants with a wide range of quantitative research experience and expertise, including those with little or no prior knowledge. It is particularly suited to researchers in the early to mid-stages of their PhD and early-career researchers who are considering or currently using quantitative approaches.

**Researchers will learn:**

- What quantitative research is (and is not), and when it is the most appropriate approach
- How to design a quantitative study, including sampling strategies and measurement choices
- The basic principles underpinning common quantitative methods, including correlation, regression, and non-parametric tests
- How to select appropriate statistical tests and analyse quantitative data
- How to interpret and write up quantitative findings with clarity and rigour

Sessions will include individual and group exercises, breakout discussions, and practical examples from real-world research. There will also be a brief demonstration of how selected statistical analyses can be conducted using R, although this will be an overview rather than an in-depth practical session.

**Please note:** This is an introductory course focusing on foundational quantitative research principles and methods. Advanced topics, such as machine learning, will not be covered. Participants wishing to develop more advanced statistical or software skills are encouraged to explore additional training in areas such as R, regression analysis, or other specialised statistical techniques.

**Register here.**