INDIVIDUAL PARTICIPANT DATA META-ANALYSIS PROJECTS:

A PRACTICAL INTRODUCTION

This 2-day workshop will improve your knowledge and skills in the design and practical delivery of individual participant data meta-analysis projects of randomised controlled trials

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Course Leaders: Dr Brooke Levis, Dr Melanie Holden, Professor Richard Riley

Course Faculty: Dr Joie Ensor, Professor Danielle van der Windt, Dr Miriam Hattle

Guest Speakers: Professor Shakila Thangaratinam (Birmingham), Professor Catrin Tudur Smith (Liverpool)

Book online:
www.eventsforce.net/ipdintro21
Email: Dr Brooke Levis at b.levis@keele.ac.uk

Keele UNIVERSITY

KEELE CLINICAL TRIALS UNIT

14-15 October 2021
Keele University
(Virtual Delivery)

£299 - students
£399 - public sector
£499 - private sector

The course will run from 9am-5pm BST, and will include a mixture of pre-recorded lectures, live lectures, and interactive sessions. To offer more flexibility for participants, pre-recorded lectures will be available as of 11 October, and all materials will be available until 29 October

The development of this course has been funded by the National Institute for Health Research (NIHR) Clinical Trials Unit (CTU) Support funding. As such we are offering 10 free places to staff affiliated with UKCRC registered CTUs. One free place per CTU will be offered on a first come first served basis. If you would like to take up this free place, please email Brooke Levis (b.levis@keele.ac.uk) with an accompanying letter of support from your CTU Director.

Why are IPD meta-analysis projects important?

Individual participant data (IPD) meta-analysis projects are increasingly being funded and initiated, and their findings are influencing clinical practice. These projects have the potential to:

- Optimise use of existing data
- Improve the quality and scope of evidence synthesis projects
- Examine the influence of participant-level characteristics on outcomes
- Inform a more personalised approach to healthcare

Why should you attend this course?

Despite their many benefits, IPD meta-analyses of randomised trials are challenging, time consuming, and require a broad set of methods and skills. This 2-day workshop will use a combination of talks, interactive activities, external speakers, and one-to-one 'meet the expert sessions' to improve your knowledge and skills in the design and practical delivery of IPD meta-analyses. It will cover the steps involved and help you decide whether an IPD meta-analysis is likely to be worth the investment. Whilst examples will focus on clinical trials, the course will also be relevant for other types of IPD meta-analyses.

Who should attend?

This workshop is intended for a broad audience of statisticians and non-statisticians, including:

- **Healthcare researchers**
- **Study managers and data managers**
- **Funders**
- **Journal editors**
- **Clinicians**
- **Other staff involved in the delivery, appraisal, and/or interpretation of IPD meta-analyses**

Course Content:

- **The what, why and when of IPD meta-analyses of randomised trials**
- **Selection and retrieval of IPD**
- **Issues involved in data transfer, cleaning, and harmonisation**
- **Quality and risk of bias assessments**
- **Statistical approaches to IPD meta-analysis**
- **Power calculations: How much IPD is enough?**
- **The role of Patient and Public Involvement**
- **Reporting and dissemination**

External speakers:

- **Professor Shakila Thangaratinam: *Initiating and managing IPD projects* – example from the pregnancy field**
- **Professor Catrin Tudur Smith: *The benefits and impact of IPD over aggregate data* – example from the epilepsy field**