**MRC MRP-NIHR Trials Methodology Research Partnership**

**University of Leeds hosted PhD studentship**

One studentship is on offer to start in the academic year 2019/20. We welcome discussions with potential PhD Students for any of the following topics:

**Proposed PhD topic areas**

1. *Applied health informatics / routine data alongside clinical trials in complex intervention evaluation.*
This PhD topic will evaluate the use of routine data or registries alongside existing clinical trials of complex interventions for identification of inclusion criteria, follow-up of patients or interpretation of trial results

**Academic background** required by the student for this topic – strong quantitative skills e.g. statistics, health economics, mathematics or similar

1. *Complex interventions trial design and analysis.*A complex intervention has more than one active component which leads to complexity when designing and analysing trials set-up to evaluate complex interventions. Potential PhD topic areas will evaluate various statistical approaches to design and analysis, such as:
	1. Mathematical Modelling of Complex Interventions
	2. Designing Trials to Optimise Complex Interventions
	3. Efficient Early Phase Complex Intervention evaluations

**Academic background** required by the student for this topic – statistics, mathematics

1. *Causal Interference in complex intervention trials.*
This PhD will explore methods for assessing causal inference in factorial trials

**Academic background** required by the student for this topic – statistics, mathematics

1. *Intervention implementation in complex intervention trials.*
This mixed methods PhD topic will investigate methods for measuring and optimising intervention implementation and evaluate factors influencing intervention delivery and its subsequent effect of patient outcomes, in one of the following areas:
	1. Stroke rehabilitation trials
	2. Elderly care trials
	3. Trials in care homes

**Academic background** required by the student for this topic – strong qualitative or quantitative skills, plus an interest in mixed methods

**Host University and Department:**

University of Leeds, Leeds Institute of Clinical Trials Research

**Key contact for studentship:**

Professor Amanda Farrin [a.j.farrin@leeds.ac.uk / 0113 3438017]

<https://medicinehealth.leeds.ac.uk/medicine/staff/322/professor-amanda-farrin>

**Closing date:**

Sunday 14h April 2019

**Anticipated start date:**

Autumn 2019, ideally prior to 31 October 2019