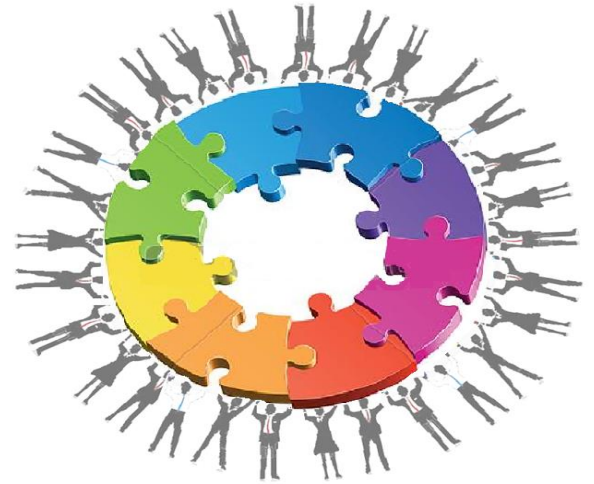


Ethics of TwiCs (Trials within Cohorts): 2nd International Symposium



7-8th November, London, UK



The
University
Of
Sheffield.

Supported by
wellcometrust

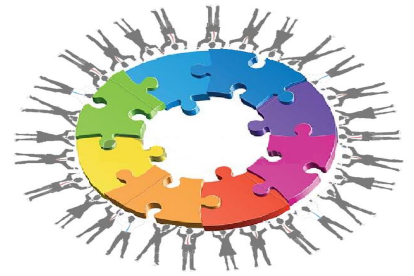
CLAHRC
Yorkshire and
Humber

Funded & supported by
NHS
National Institute for
Health Research

Trials within Cohorts

- Large observational cohort of people with condition of interest
- Regular measurement of outcomes
- Capacity for multiple trials
- For each trial
 - Identify those eligible
 - Random selection for trial intervention
 - Comparison of outcomes with those eligible but not randomly selected
 - Patient centred informed consent

TwICs vs standard



Standard approach

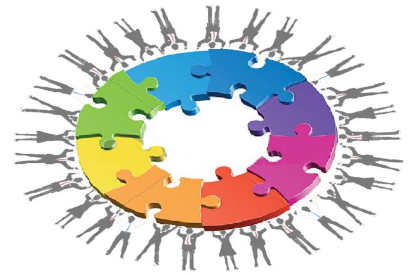
- each trial recruits its own population..... Which is then disbanded
- Full information (and consent to all possibilities) up front

Trials within Cohorts (TwICs)

- use **cohorts** (following everyone up longer term) which then
-facilitate **multiple** trials
- Information - What information is conveyed, to whom and when is tailored to the time and the person....

Consent - Yorkshire Health Study

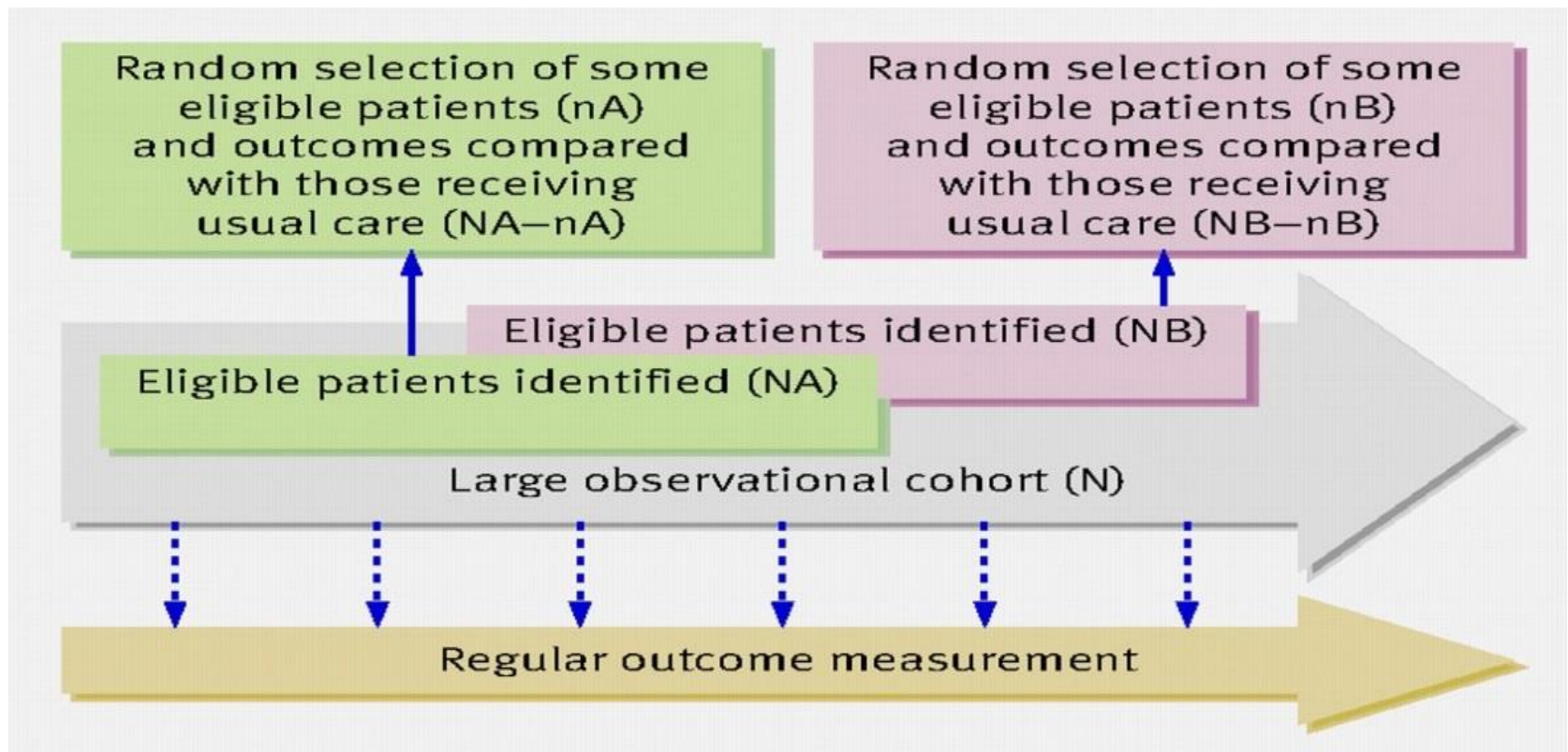
(South Yorkshire Cohort protocol. BMC Public Health 2011)



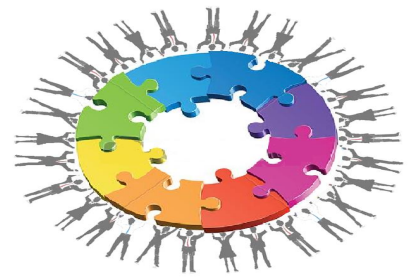
- A. Data to be used to help the NHS improve long term health*
- B. Further contact from researchers*
- C. Information provided to be used to look at the benefit of health treatments*
- D. Access to your health records*

Trials within Cohorts

- 'Cohort multiple RCT' design



Origins

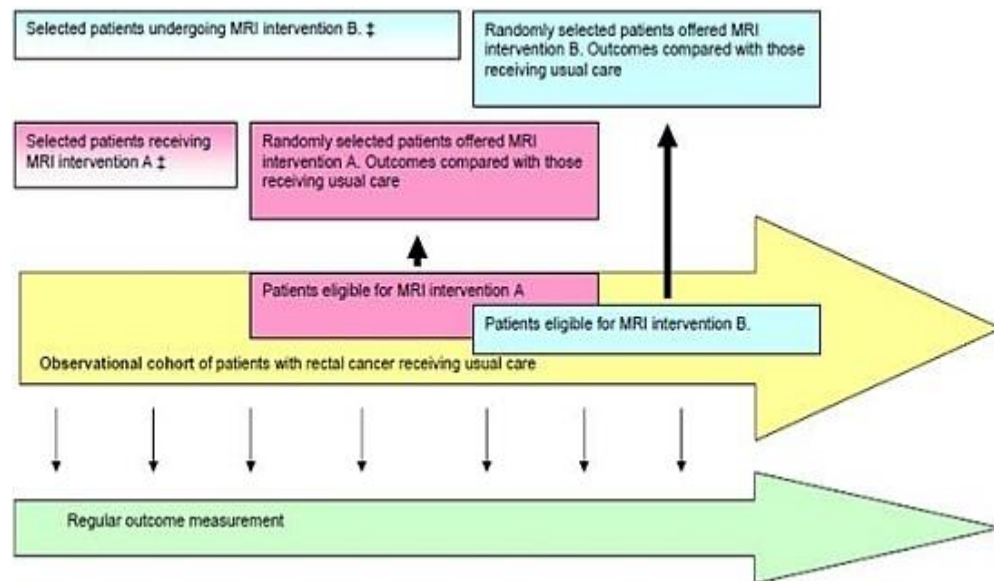
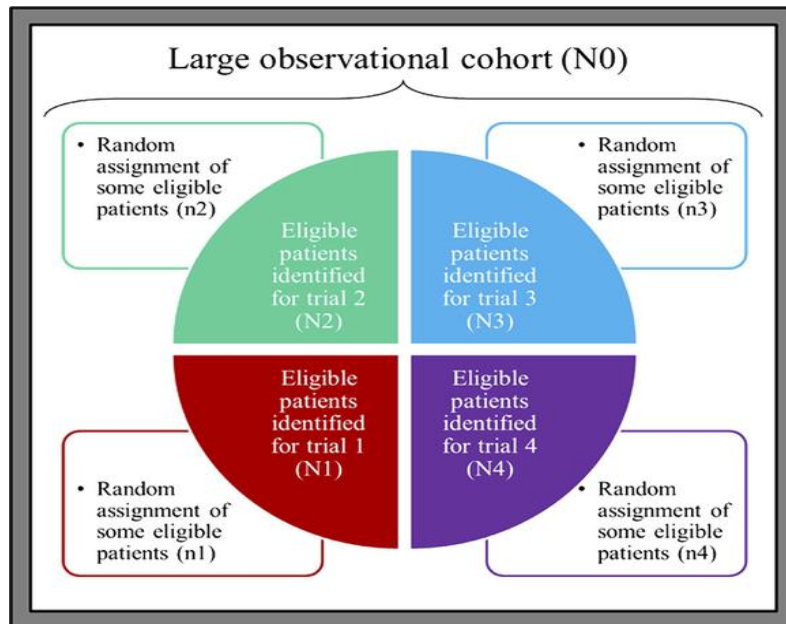
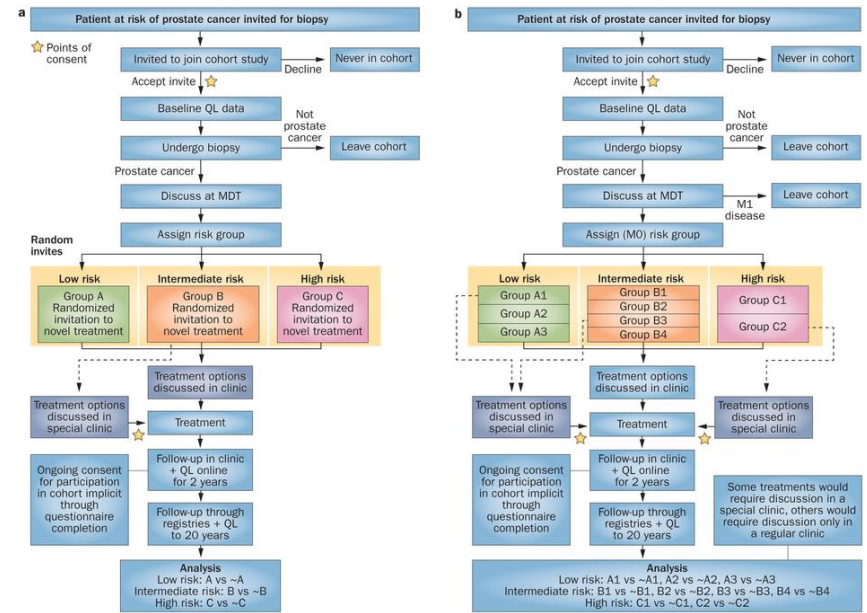
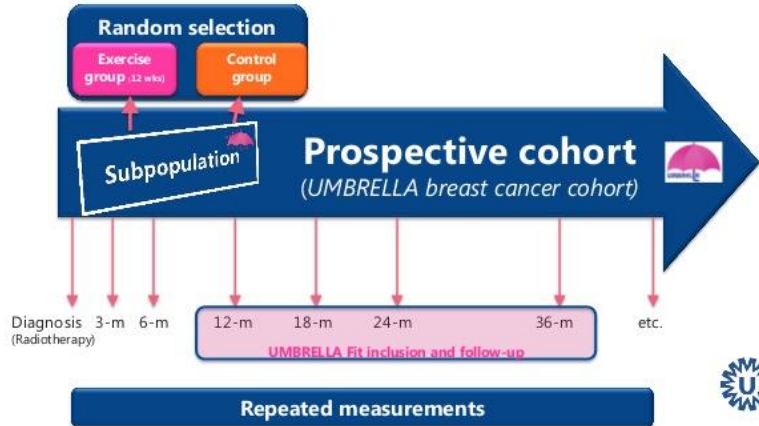


- Our prior experiences of trials
- The challenge – piloting the design - scientific review - NHS REC
- BMJ Publication
- Evolution
 - Trials within Cohorts
 - Staged consent design (Young-Afat, 2016)

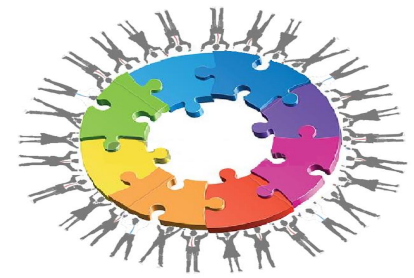


UMBRELLA Fit trial

cmRCT design
(Relton et al. BMJ 2010)

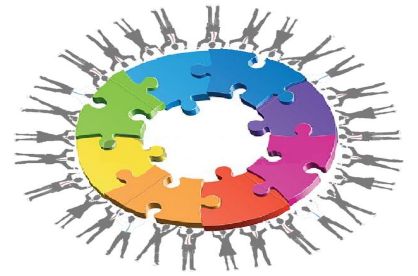


TwICs: how is it being used?



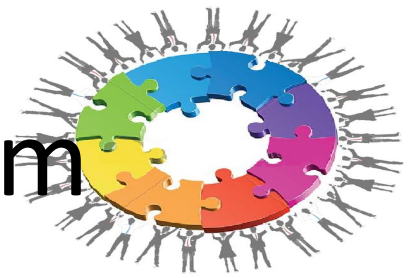
- Countries: Australia, Canada, Finland, France, Netherlands, UK, USA
- Various settings: Hospital & non hospital
- Cohort populations: ADHD, Cancer, Depression, Early Life, Hep C, HIV, Hip fracture, IBS, Falls in the elderly, people with LTC, older people, Severe Mental Illness, rare diseases (scleroderma), Young indigenous
- Interventions being trialled: acupuncture, CBT skills based training, compression vests, exercise programmes, fracture treatments, homeopathy, supportive listening, chemo – radiation/ irradiation, manual therapies, models of care, nutritional therapy, podiatry, psychological treatments, screening, surgery
- Funders: Charity (Big Lottery, Condition based), CIHR, NIHR,

1st TwiCs symposium



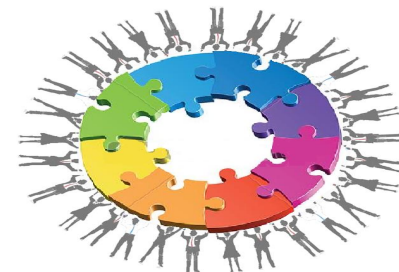
- “yes, But is it ethical?”

Purpose 2nd TwiCs symposium



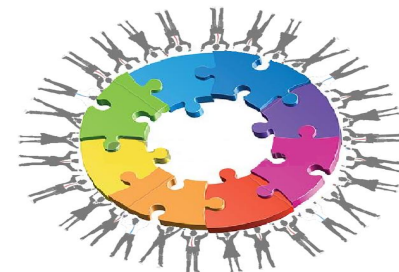
- Forum to discuss ethical questions
- Share perspectives on the design
- Discuss how TwiCs relate to current ethical framework
- Identify future directions for conceptual and empirical research

Day one:
Identifying questions, learning from experience



| Welcome and introduction CHAIR: Professor Jon Nicholl, University of Sheffield, UK | |
|--|--|
| What is the TwiCs design, and how is it being used? | Dr Clare Relton, ScHARR University of Sheffield, UK |
| How do TwiCs trials fit into Pragmatic/Explanatory trials framework? | Professor Merrick Zwarenstein, Western University, Canada |
| Tea and coffee | |
| KEY NOTE TALK Randomisation without consent in RCTs – review of use (and terminology discussion) | Professor James Flory Weill Cornell Medical College, USA |
| FORBOW: Experience from a prevention trial within a cohort of youth at high risk of severe mental illness | Dr Rudolf Uher Dalhousie University, Canada |
| UMBRELLA FIT: Experience from a trial within a hospital based breast cancer cohort | Professor Anne May, UMC Utrecht, Netherlands |
| Lunch break and poster session 1 | |

Day one:
Identifying questions, learning from experience



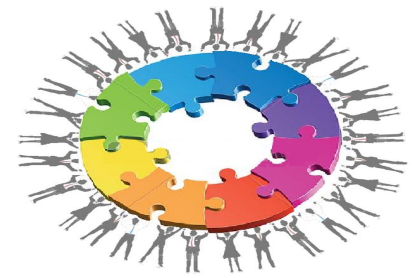
| | |
|--|--|
| CHAIR: Professor James Flory, Weill Cornell Medical College, USA | |
| KEY NOTE TALK Ethical Issues in TwiCs and other Pragmatic Trial Designs: An Overview | Professor Scott Y Kim Dept of Bioethics, National institutes of Health (NIH), USA |
| KEYNOTE TALK The ethics of inefficiency | Professor Shaun Treweek University of Aberdeen, UK |
| Tea and coffee | |
| TwiCS and big data: opportunities and challenges | Professor Tjeerd Van Staa University of Manchester, UK |
| Patient-reported outcomes in routine care: impact for TwiCs | Dr Andrew Vickers Memorial Sloan Kettering Cancer Centre, USA |
| PANEL DISCUSSION Where do we go from here? | |

Day two:
.....Going forward



| Welcome, introduction and recap Chair – Professor Helena Verkooijen, Utrecht Medical Centre, Netherlands | |
|--|--|
| HRA guidance policy and strategy on Informed Consent for simple and efficient trials. Randomisation without consent: survey of UK RECs | Clive Collett, Amanda Hunn UK Health Research Authority |
| Ethics boards and consent – introduction & sharing of experiences? | Sophie Welch Independent research consultant |
| KEY NOTE TALK Why and when should control groups consent? Do ethical considerations relating to harm, burden, rights and reasonable expectations help us to answer this question? | Professor Søren Holm University of Manchester, UK |
| Tea and coffee | |
| Obtaining ethics approval for the cmRCT design from 31 ethics committees in 4 countries: a challenge? | Dr Linda Kwakkenbos, McGill University, Canada |
| What do patients understand of the TWiCs design? | Dr Sophie Gerlich, UMC Utrecht, Netherlands |
| DISCUSSION | |
| Lunch break and poster session 2 | |

Day two:
.....Going forward



CHAIR Professor Søren Holm

Future directions for research

Challenges for future studies in fragile patients- Joanne vd Velden,
Effectiveness & acceptability of tailored disclosure? Clare Relton
Evidence of distress related to informed consent? Andrew Vickers
SHED Share ethical debate amongst UK RECs – Amanda Hunn

Introduced by
Danny Young-Afat,

UMC, Utrecht, Netherlands

Discussion with mini (2- 10 min)
presentations

Panel discussion and concluding remarks

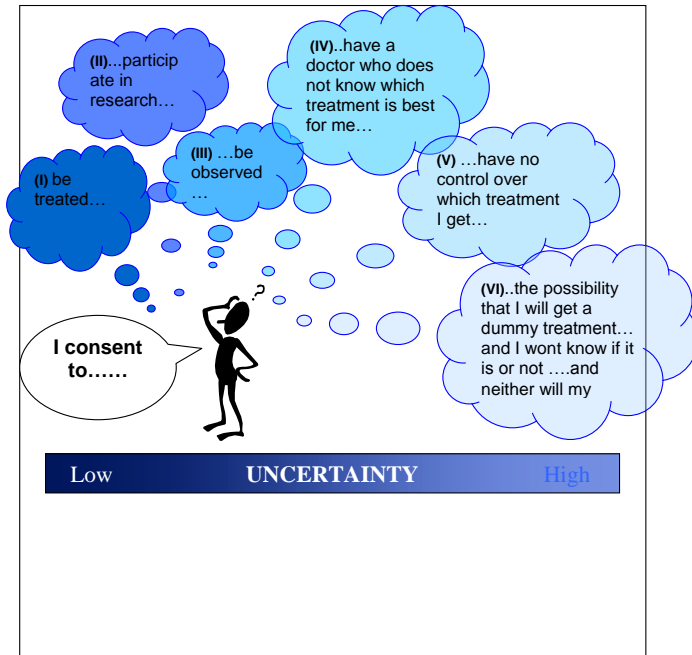
Language - design

- Pragmatic designs
- Explanatory designs
- Cohort multiple RCT design
- Cohort embedded RCT design
- Trials within Cohorts design (TwICs)
- Staged consent RCT design
- Randomised consent design
- Zelen design (single and double)
- Randomised registry trials
- Comprehensive cohort trials
- Standard of care (SOC)
- Treatment as usual (TAU)

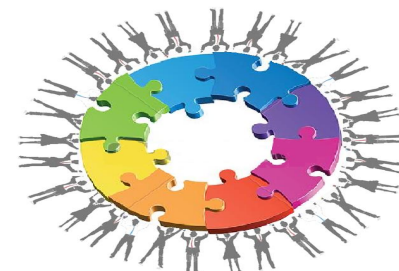
Language - IC

- Informed consent
- Fully informed consent
- Patient-centred consent
- Tailored disclosure
- Proportionate consent
- Randomisation without consent (RWOC)
- Broad consent
- Pre randomisation broad consent

Consent to?



- To provide/have data used
- To have data linked
- For data to be used in an (intervention?) study
- To be contacted again
- To be randomised
- To be offered tx
- To receive tx



CONSORT 2010 Flow Diagram

