

**THE UNIVERSITY** *of York*

**The Department of Health Sciences**

**Preliminary findings from a systematic review of tools and instruments used to measure parent and child outcomes in evaluation studies of parent programmes for parents with children aged 0-5 years**

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## ■ The York Team

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- Zoe Hindson
- Kate Thorley

## ■ CLAHRC Steering Group

- Prof. Kate Pickett (University of York)
- Dr Maria Bryant (University of Leeds)
- Prof. Kath Kiernan (University of York)
- Prof. Neil Small (University of Bradford)
- Prof. Karen Bloor (University of York)

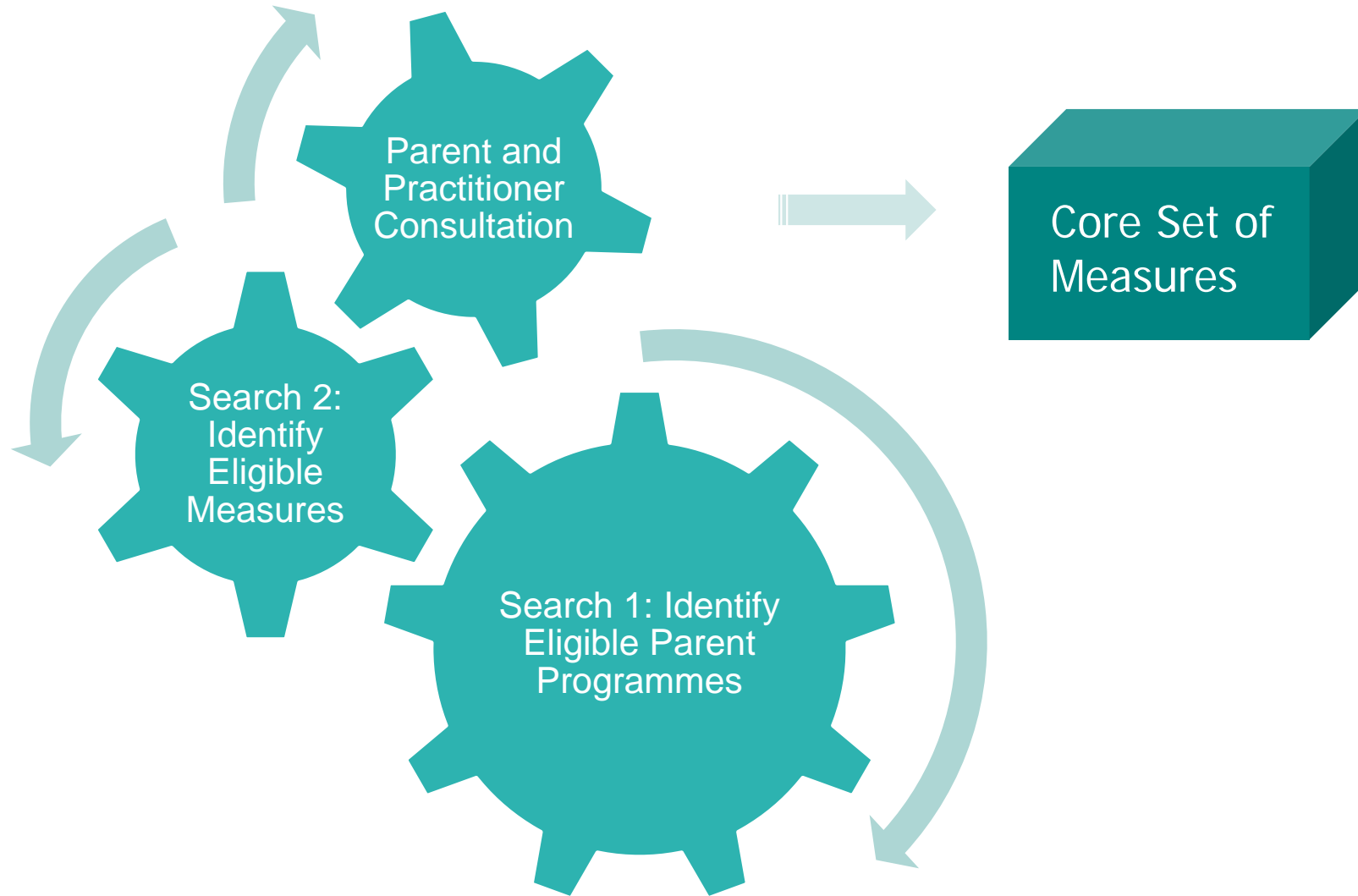


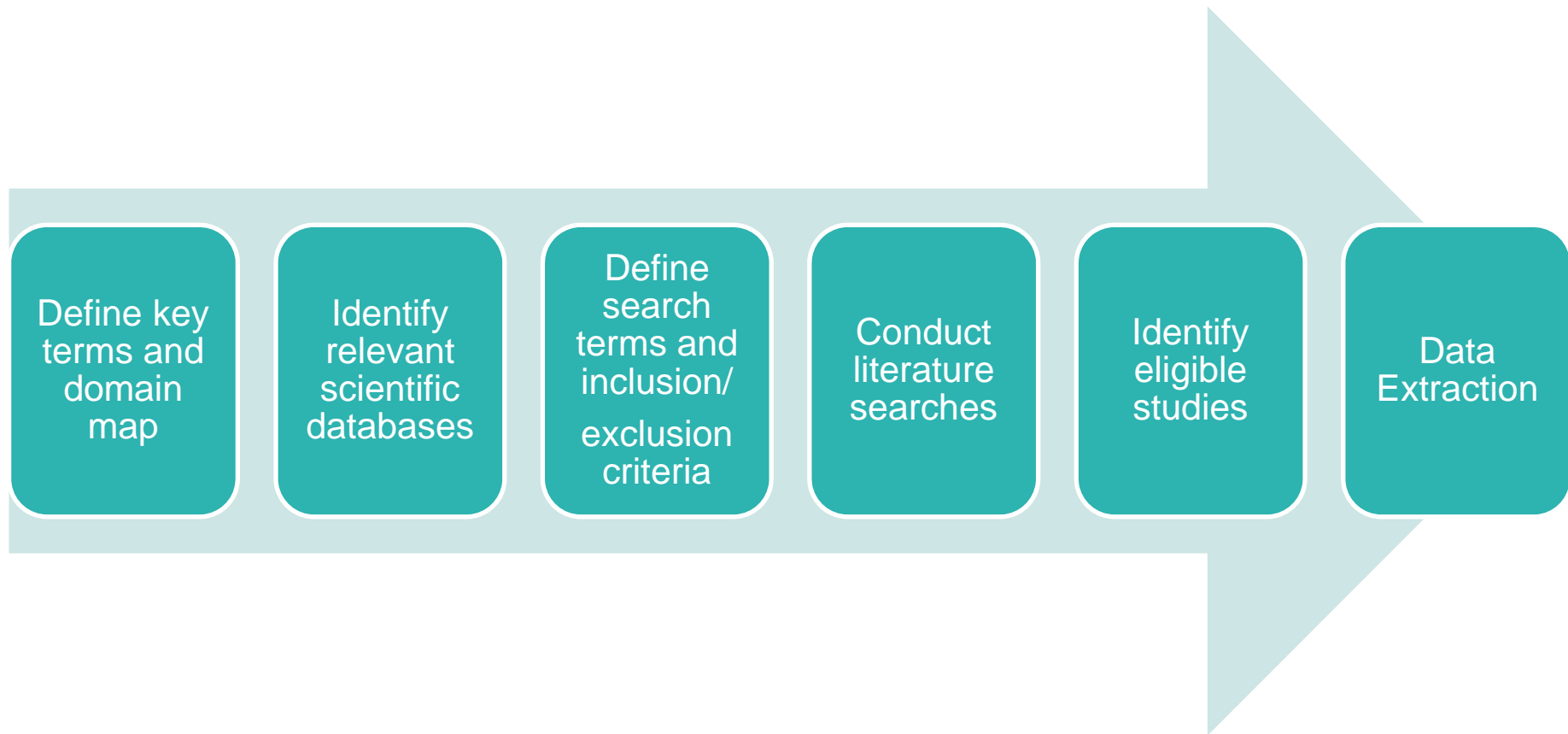
- Prevention and early intervention of significant importance
- Children with impaired social and emotional health at greater risk of poorer outcomes later in life
- Established links between parenting skills and behaviours and child health and development
- Parenting programmes designed to address social, emotional and behavioural development
- Emphasis is on the parent to support and facilitate their child's development at an appropriate level

- Currently a lack of consistency in outcome measures used across evaluations testing programme effectiveness
- An increasing demand on practitioners to provide evidence of impact through the measurement of programme outcomes
- Both researchers and practitioners are seeking measures that are:
  - Reliable and valid
  - Time and cost effective
  - Easily translated within real-world contexts

- To identify and appraise measures used in the evaluation or monitoring of parenting programmes developed for parents of children aged 0-5 years.
  - Identify measures through a systematic search of published RCT's
  - Determine the robustness of these measures through the appraisal of studies reporting measurement properties
  - Explore the measures acceptability, cultural sensitivity and ease of administration in consultation with key stakeholders
  - Develop a core set of recommended measures for researchers and practitioners involved in the evaluation of parenting programmes

# Our 3-Step Approach





# Search 1: Domain Map



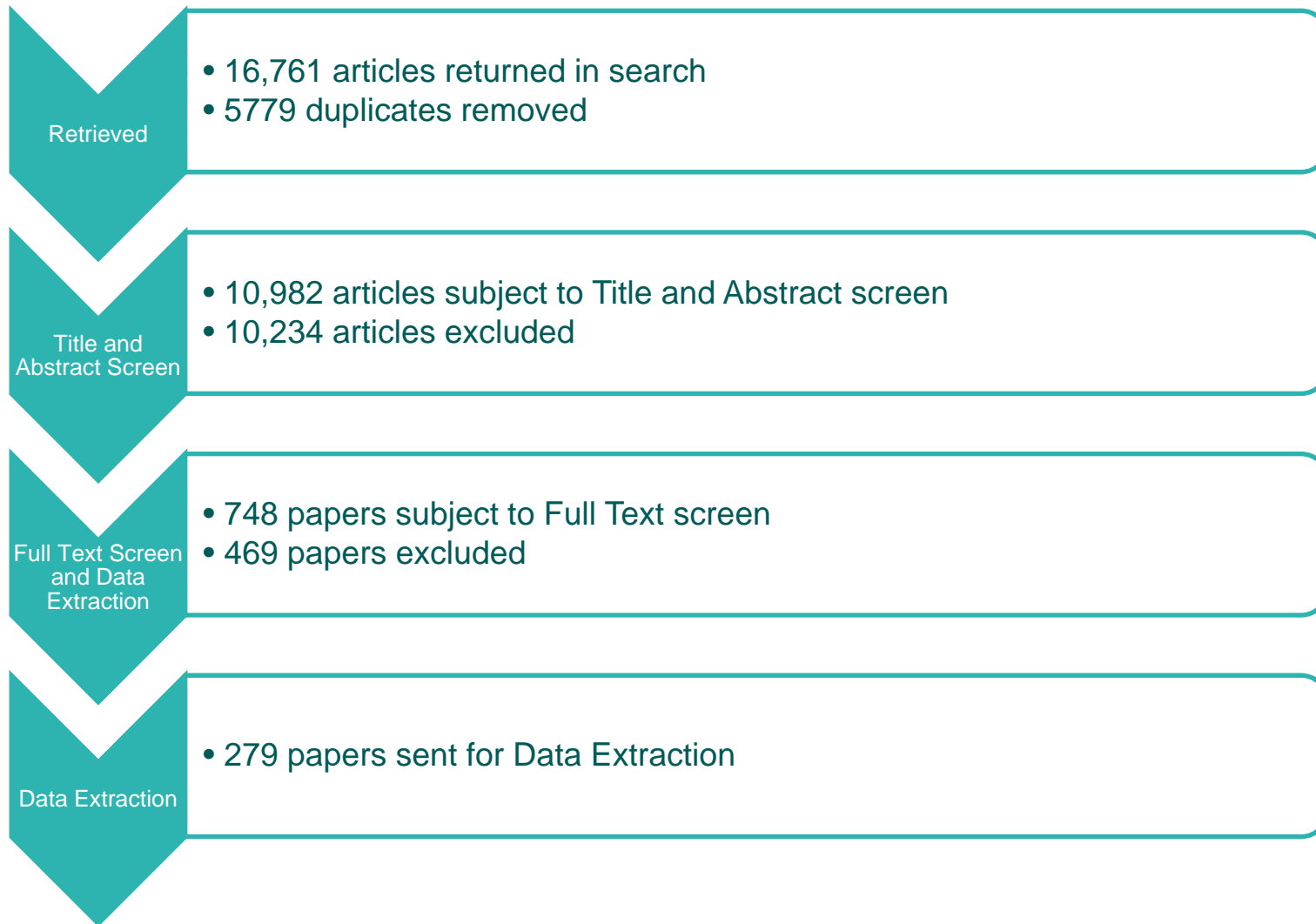
Parenting skills &  
Practices  
Parenting attitudes  
and beliefs  
Parenting  
knowledge  
Psychological  
wellbeing  
Quality of life

Interaction  
Attachment  
Bond  
Maternal sensitivity

Social and  
emotional  
development  
Cognitive  
development  
Behaviour  
Quality of life



# Search 1: Eligible Studies



# Search 1: Data Extraction

- From the 279 papers:
  - 113 parent programmes subject to RCT
    - 1-2-1
    - Group based programmes
- Standardised measures identified and sent forward to Search 2
  - 44 Questionnaires
  - 8 Developmental Assessments
  - 13 Observational Tools



Parents as Teachers



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graph LR; A[Define search strategies] --> B[Conduct literature searches]; B --> C[Identify eligible papers]; C --> D[Data Extraction]; D --> E[Appraise Studies]; E --> F[Synthesis Evidence];
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Define  
search  
strategies

Conduct  
literature  
searches

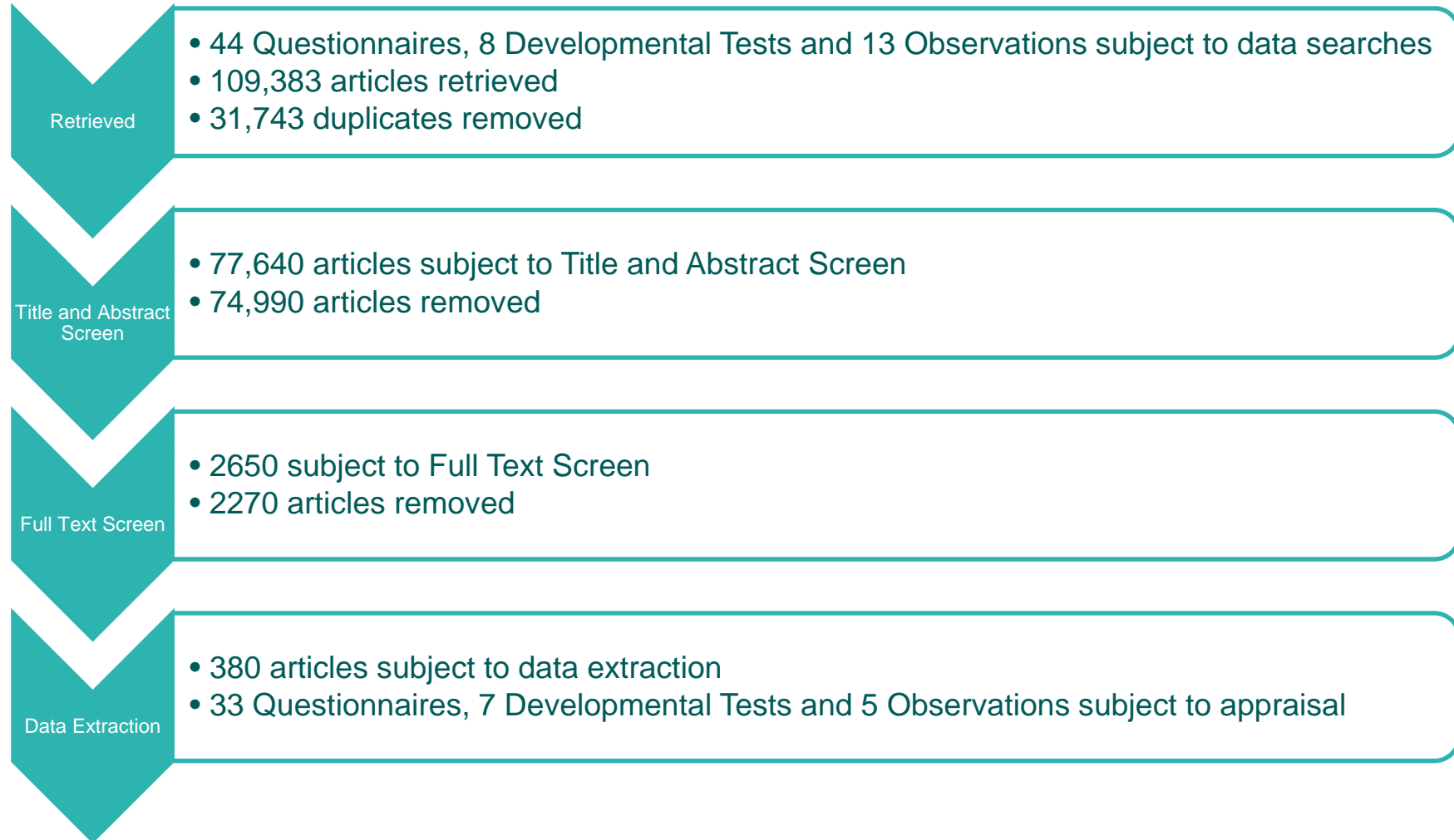
Identify  
eligible  
papers

Data  
Extraction

Appraise  
Studies

Synthesis  
Evidence

# Search 2: Eligible Studies



- Data extraction and measure appraisal will utilise a combination of:
  - The COSMIN checklist with a 4-point scale to provide an overall rating for each studies methodological quality
    - Internal consistency
    - Reliability
    - Measurement Error
    - Validity (Content/Structural/Cross-Cultural/Criterion)
    - Hypothesis Testing
    - Responsiveness
  - The 2011 Terwee Quality criteria for measurement properties as an overall rating for the combined evidence for each measure

- Appraisal of each measures psychometric properties (Oct – Dec 2016)
- Consultation work with parents and practitioners (Nov 2016)
- Identification of the core set of measures (Dec 2016)
- Prepare and submit papers for publication (Jan – March 2017)
  - Systematic Review of Questionnaires
  - Systematic Review of Developmental Assessments and Observational Tool
- Guide for practitioners (Jan 2017)

- Challenges

- Determining appropriate search terms and strategies
- Orienting a team and achieving reliability in applying the checklists

- Limitations

- Some relevant papers excluded due to inability to access full texts
- Results exclusive to RCT's
- Fails to capture all measures across specified domains

- Implemented a systematic strategy to identify relevant measures used in programme evaluation
- Quality control checks at each level of the process
- Appraisal conducted using two robust methods of quality evaluation
- Includes consultation with key stakeholders to determine a core set of recommended measures that can be used by both researchers and practitioners
- Addresses a *real* gap in current research
- Addresses a *real* need in practice
- Results have *high level* impact



Thank you for your  
attention

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