

# Structure of this presentation

- Objectives
- What is realist evaluation
- When can it be used
- Small group activity
- Wrapping up comments
- Questions

# **Acknowledgements**



- The quality and reporting standards and training materials for realist evaluation were developed as part of:
  - The RAMESES II Project to produce quality and publication standards and training materials for realist reviews (completed).

  - Funded by NIHR HS&DR Programme (14/19/19).
- The views and opinions expressed therein are those of the presenters and do not necessarily reflect those of the UK's National Institute of Health Research Health Services and Delivery Research (NIHR HS&DR), NIHR, National Health Service (NHS) or the Department of Health.

## **Objectives**

By the end of this presentation hopefully you will have an understanding of:

- what realist evaluation is
- when it might be used

### Let's get you thinking...

- Read 'Cops with mops'
- Micheal Leaves, the Plymouth City Council member asks you to evaluate this intervention. He is not currently available to answer any questions you might have
- As an evaluator, plan an evaluation to present to him
- Work in small groups or pairs
- You only have 15 minutes
- We will discuss you evaluation plans later on

#### What is realist evaluation?

- Realist evaluation = primary research
- Realist evaluation:
  - has more of an explanatory rather than judgmental focus.
  - based on a realist philosophy of science (ontology)
  - looks for mechanisms and middle-range theories.
  - tests and builds these theories.
  - is iterative.
  - looks to answer the 'How?', 'Why?', 'For whom?', 'To what extent?' and 'In what circumstances?'
  - helpful in making sense of interventions and programmes that are *complex* and have outcomes that are *context* dependent





## Causation

#### Causation

- Mechanism may be defined as:
  - "...underlying entities, processes, or structures which operate in particular contexts to generate outcomes of interest."\*
  - The way in which a programme's resources or opportunities interact with the reasoning of individuals and lead to changes in behaviour.
- Mechanism:
  - Are usually hidden
  - · Sensitive to variations in context
  - Generate outcomes

\*Astbury B, Leeuw F. Unpacking Black Boxes: Mechanisms and Theory Building in Evaluation American Journal of Evaluation 2010 31(3):363-381



























# Lunch break

# Welcome back!

Now to practical examples of ....

- Programme theory
- Structure of a realist evaluation
- Getting data
- Data analysis process











- The design is not the same as the methods used to collect data
- Design is informed by the programme theory
- Design may change as the evaluation progresses
- Data collected is used to refine programme theory
- Programme theory refinement is iterative



# **Coffee / comfort break**

## **Getting data**

- Realist evaluation is a form of theory-driven evaluation.
- The type of theories we develop are realist programme theories.
- Whenever we have to develop theory, we have to interpret data.
- These data should be from multiple sources
- Transparency is very important. Others have to be able to see on what basis we have made our interpretations.

# Getting data

- We need to gather data that informs us about:
  - Context
  - Mechanism
  - Outcome
  - The relationships between context, mechanism and outcome i.e. CMO configurations
  - The relationships of these CMO configurations within a programme theory



- Analysis is about applying a realist logic of analysis to data:
   Context + Machaniam
  - Context + Mechanism = Outcome
- Data have to be interpreted.
- Data analysis is an iterative process that starts with data collection.
- As the evaluation progresses different data may need to be analysed to confirm, refine or refute specific section of the programme theory.















# Closing summary Many interventions or programmes are 'complex interventions' Complexity comes about because of VICTORE One way to make sense of complex interventions is to account for how outcomes occur – i.e. a model of causation. In realism the explanation for why knowledge is transferable is based on mechanisms Many current research methods often lack a coherent account of how outcomes occur in relation to context and what the rationale is for transferable knowledge Realist research approaches help by focussing on the influences of context on mechanisms and dare to look inside the 'black-box' of the intervention itself!

