

PSYCHOLOGY & NEUROSCIENCE

Module:

Psychological Foundations of Mental Health

Week 5:

to behaviour therapy

Professor Richard Brown

Topic 4

Evaluating the efficacy of cognitive therapy

Part 1 of 3

Topic list



- Topic 4: Evaluating the efficacy of cognitive therapy

Week 5 Psychological therapies: From behaviour modification to behaviour therapy

Topic 4: Evaluating the efficacy of cognitive therapy

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In this topic



- Introduction to the design and evaluation of clinical trials for psychotherapy research
- Systematic Review
- The efficacy of CBT for adult depression

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Week F

Psychological therapies: From behaviour modification to behaviour therapy

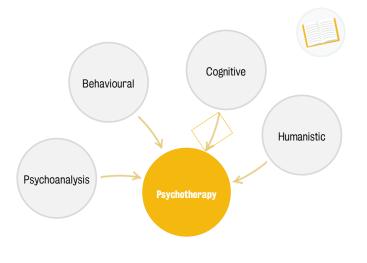
Topic 4: Evaluating the efficacy of cognitive therapy

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Psychotherapy definition (1)

Psychologically based approach that seeks to help a person change or overcome mental and/or physical problems.

"Psychotherapy is the informed and intentional application of clinical methods and interpersonal stances derived from established psychological principles for the purpose of assisting people to modify their behaviors, cognitions, emotions, and/or other personal characteristics in directions that the participants deem desirable"



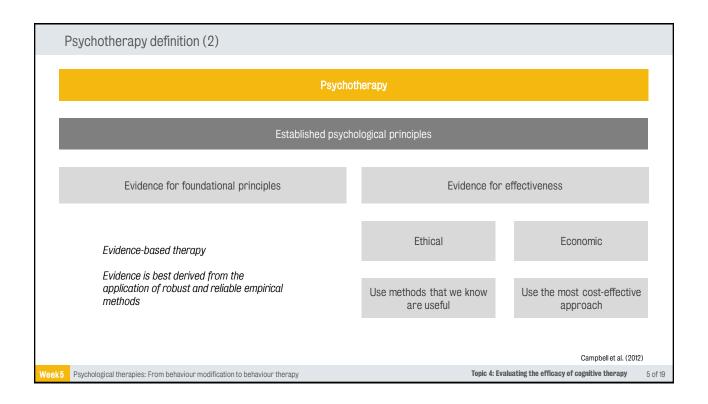
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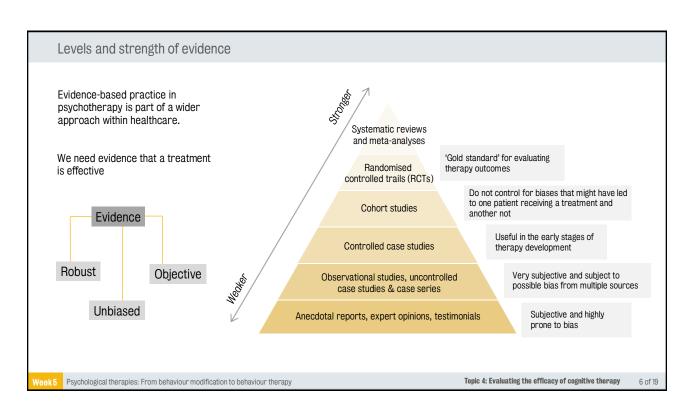
Campbell et al. (2012)

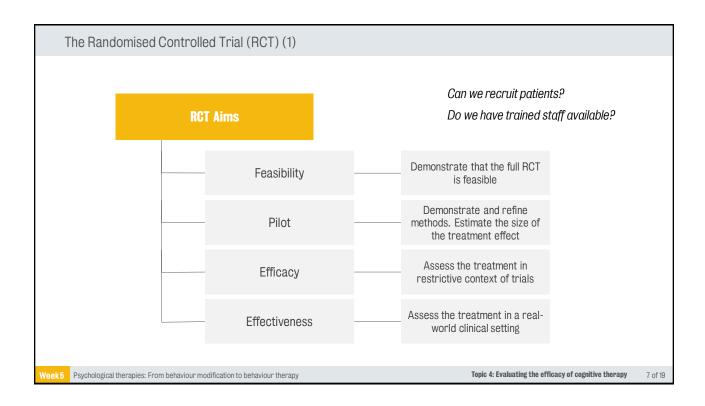
Topic 4: Evaluating the efficacy of cognitive therapy

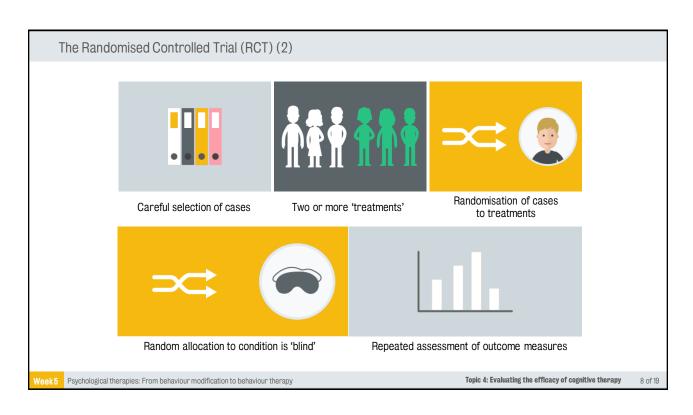
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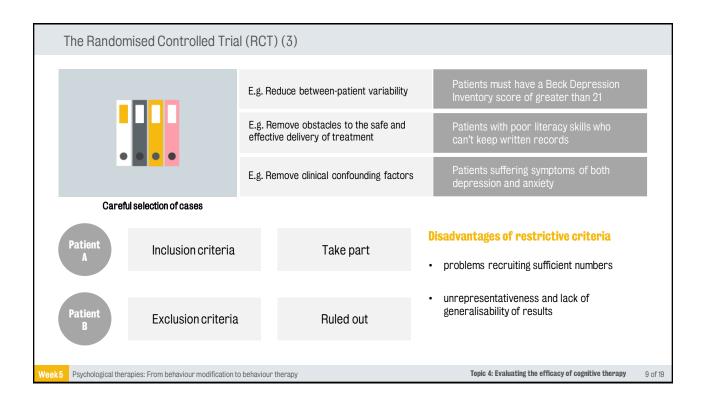
Week 5 Psychological therapies: From behaviour modification to behaviour therapy

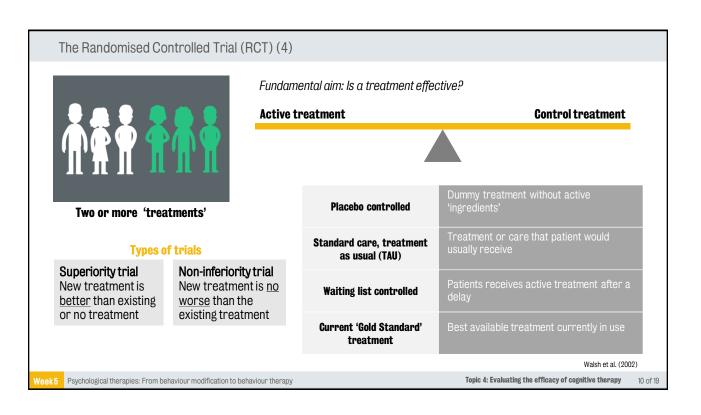










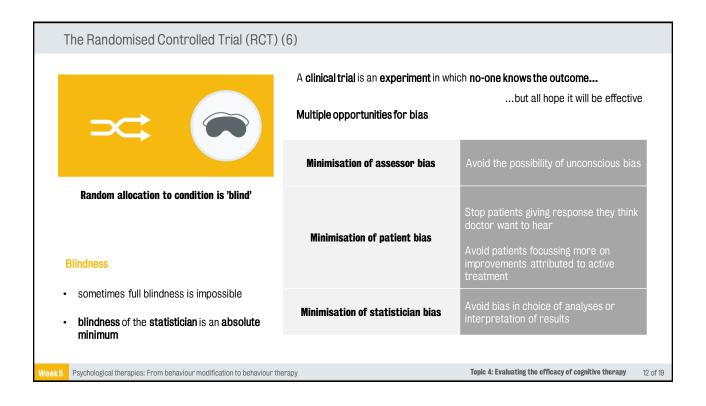


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The Randomised Controlled Trial (RCT) (5) Which patient receives which treatment must be determined randomly Researcher Treating therapist Patient Patient Patient Potential Disadvantages deterrent to recruitment deterrent to recruitment some patients may want to know what treatment they are going to receive which patient receives which treatment must be determined randomly Patient Patient Investigators can not choose between active or control treatments for a patient between active or control treatments for a patient Chables 'blinding' Unable to tell which condition a patient has been allocated to

Psychological therapies: From behaviour modification to behaviour therapy



The Randomised Controlled Trial (RCT) (7)



Repeated assessment of outcome measures

Clinically meaningful outcome

- Minimal Clinically Important Change (MCIC)
- · defined 'response' criteria
- · short-term remission of symptoms
- lasting recovery

All clinical trials require a robust and reliable way to measure the symptom or condition of interest

Main index used to measure effectiveness
Measure symptom(s) with minimal error
Measure other outcomes of interest
Repeat at baseline before randomisation, before and after treatment. Main indicator of efficacy
To measure continuation of benefit after treatment ends

Week!

Psychological therapies: From behaviour modification to behaviour therapy

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Challenges of the RCT in psychotherapy research

Challenges to designing and conducting robust psychotherapy RC

Psychotherapy treatment



Choice of control treatment



Allocation blindness



- · complex intervention
- important to standardise how it is delivered

User treatment manual

- description of treatment and delivery
- therapists should be trained to deliver therapy as defined by the manual

Ensure adherence to treatment (Fidelity)

 therapists should be regularly checked to ensure they are following the manual

Therapists will vary in terms of characteristics. May need to be incorporated in data analysis.

Assess therapist effects

Therapist may vary in expertise and other characteristics

no psychotherapeutic equivalent to dummy pill

- effective placebo control treatment almost
- requires two near identical treatments
- must be equally plausible and convincing
- extremely difficult to achieve in practice

The most common control is not a placebo but another active treatment – typically antidepressant medication

Compare to alternative real treatment

E.g. Psychotherapy v antidepressant medication

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- almost impossible to achieve patient and therapist blindness
- · opportunity for systematic bias

Seek to minimise bias

- use of independent assessors who are unaware of treatment allocation
- · statistician blind to allocation

Wook

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