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Feasibility in all settings

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- Overview of some of the key issues
- Particular focus on “signs”, but applicable to all domains
- Interactive sessions and voting!

- What are we aiming for?



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Enough to get the job done?



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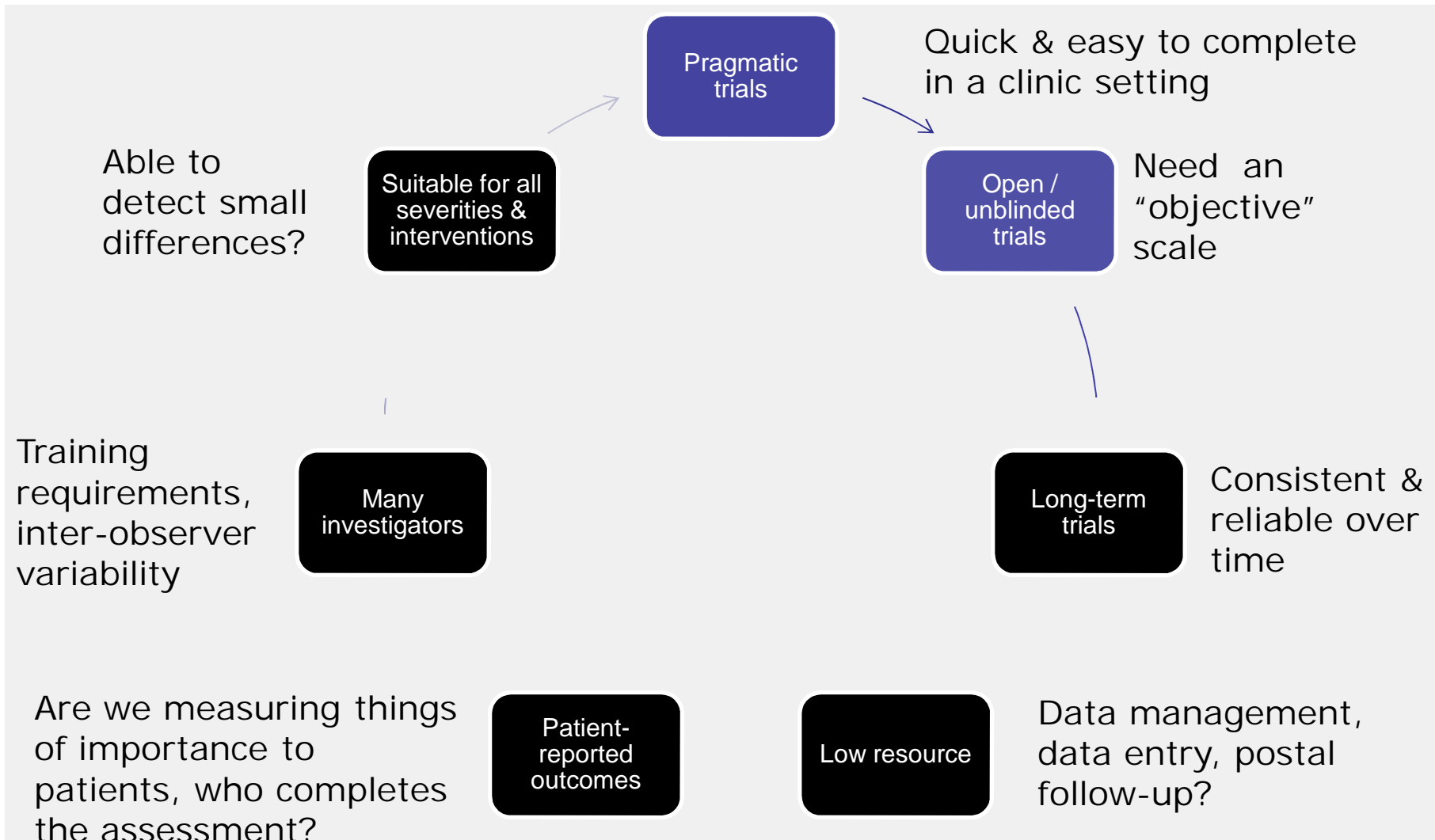
- **Early-phase trials** – high resource, frequent patient visits, often require careful monitoring of interventions and potential side-effects.
- **Phase IV, pragmatic** - comparative effectiveness trials – does the intervention work in “real life”? Long-term safety studies.
- **Large, multi-centre trials** – multiple assessors and potentially high turn-over of research staff.
- **Self-funded trials** – a clinician with a “good idea” and passion to answer the question, could be a collaborative network of volunteer clinicians / nurses.

“Core outcome” that can be used in ALL trial settings



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BOTTOM LINE:

is the scale sufficiently
simple for it to be included
even if that outcome is not
relevant to the study in
question?

Three item severity scale



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- Assess THREE signs at a “representative” site
 - Erythema (redness)
 - Excoriation (signs of scratching)
 - Oedema / papulation (swelling)
- These signs consistently been shown to associate with “worsening” of the disease
- Reasonably well validated, very quick and simple



Is it sufficient as a core outcome for eczema signs?

Trial of antihistamines versus no antihistamines in patients with moderate eczema

- 12 month, pragmatic trial
- Double-blind, participants seen in clinic at baseline then followed-up by post / on-line questionnaire
- **Primary outcome:** patient-assessed eczema severity assessed monthly by questionnaire (POEM scale?)
- **Secondary outcomes:** use of topical therapy, other core outcomes for HOME (including eczema signs, long-term control and QoL)

Behavioural intervention for the management of moderate to severe eczema

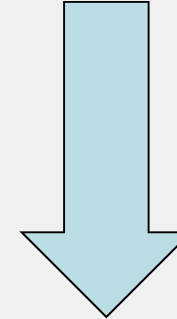
- 6 month RCT – clinic visits every 2 months.
- Assessor blind
- **Primary outcome:**
eczema severity – assessed by blinded research nurses
- **Secondary outcomes:** other core outcomes for HOME (including eczema symptoms, long-term control and QoL)

What are we aiming for?

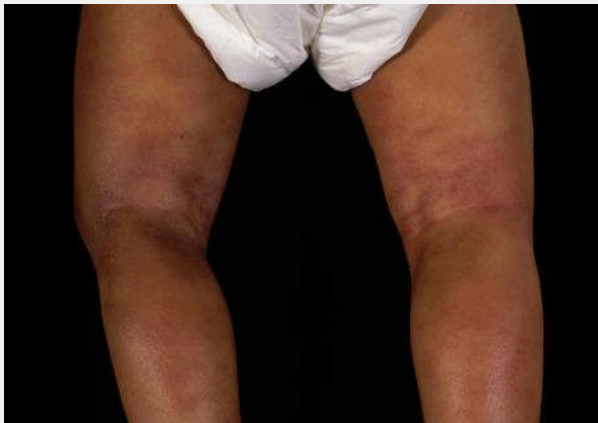


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“What is eczema?”



“What improves as the eczema gets better?”



- What are we measuring and why?

Bleeding, blistering, cracks in the skin, crusting, scratch marks on the skin, involvement of sensitive / visible body sites, lichenification, redness, dryness, flaking, sleep difficulties, soreness or pain, swelling, amount of body affected, tightness of the skin, weeping / oozing

- Are all items necessary?

Are all items necessary?



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- Some chronic signs less likely to change quickly (e.g lichenification)
- Acute signs may be more sensitive to change
 - Redness (erythema)
 - Scratching (excoriation)
 - Swelling (oedema / papulation)
- Dryness (depends when emollient last applied, best reported by patients?)

- Doctor-assessed itch.....



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“doctor-assessed
itch?”

- Should severity assessment be made by patients?
- Independent observers can measure signs, but not symptoms.



- Our core domains currently focus on eczema signs and symptoms as separate domains
- Should this be interpreted as:
 - **Investigator-assessed severity (signs only)**
(suitable for unblinded studies)
 - **Patient-assessed severity (symptoms & QoL)**



- Add question



- How are we measuring severity?

Severity at a “representative site” x “area of involvement”

or

Severity assessed separately at multiple sites

or

Global assessment

- Each has pros and cons

How representative is a “representative site”?



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- What is a “representative site”?

An area of the body that represents:

- a “typical” patch of eczema for the patient
 - a “typical” patch of eczema for a particular sign (e.g. signs of scratching)
 - the worst patch of eczema for the patient
 - the worst patch of eczema for a particular sign
- Do all body sites get worse / better at the same time?
 - Are all sites equally important to patients?
 - Is the same “representative” site used for subsequent assessments?

- Discussion topic



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- What does a “representative site” mean to you?





- Add question

Timeliness of the Core Set



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- Do all domains need to be ready at the same time?



HOME III, San Diego 2010

Conclusion



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- Put your preconceptions / allegiances to one side
- Listen to all points of view with an open mind
- Enjoy the discussion
- Be prepared to make decisions





Disclaimer

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The views expressed are those of the author(s) and not necessarily those of the NHS, the NIHR or the Department of Health.



- Two of the most commonly used scales to date are:
 - SCORAD (includes Three Item Severity scale)
 - EASI (includes Three Item Severity scale)
- Meta-analysis of old and new trials?
 - How can we combine old and new trials to be in-line with core outcomes?
 - Could we encourage all to report TIS (3 signs) separately in all trials until final instrument has been decided?