















We should not demand perfection from clinical research because it is not generally attainable.

Instead, we should look for studies that are good enough for clinical decision-making

Herbert et al. Chapter 5, Practical Evidence-Based Physiotherapy 2005



Rather than merely annihilating the work, your goal is to identify areas of strength as well as areas for improvement.

And to understand their impact on the results

On Quality appraisal Hurley et al Research Methods A framework for evidence-based clinical practice. 2011

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## Assessing the effect of adherence to intervention

(1) were participants, carers and people delivering the interventions **blinded**;

(2) if participants, or people delivering the interventions were not blinded, were important co-interventions balanced across intervention groups;

(3) were intervention implemented successfully, and did participants **adhere to** the assigned intervention;

(4) if deviations, was an appropriate **analysis** was used.





## Risk of bias if

- Patients and therapists aware of intervention
- There were deviations OR non-adherences
- Possibly affecting outcomes
- Imbalanced between groups
- Absence of appropriate analysis













## **Biased selection of reported results**



- If the reported result reported is **selected** (based on its direction, magnitude or statistical significance) from among multiple intervention effect estimates available to the trialists.
- reporting of a particular outcome measurement from an outcome domain; and
- reporting only a subset of time points at which the outcome was measured
- EG. only the effect at 3 weeks after baseline despite testing at 6 and 8 weeks; • reporting of a particular analysis from multiple analyses of a specific outcome measurement.
- (i) the unadjusted or (ii) the adjusted effect
  - only one or a subset of multiple analyses adjusting for different prognostic factors

IF bias = DEPENDS

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