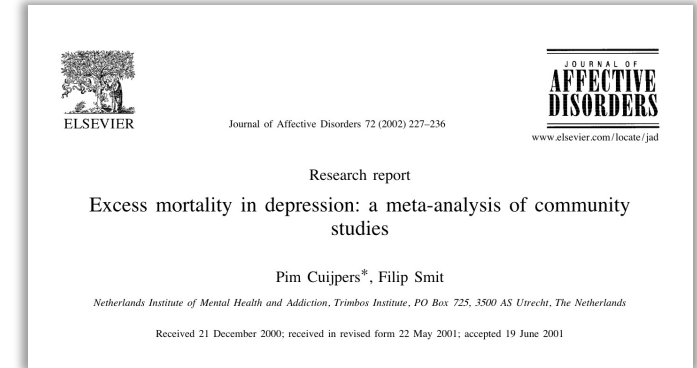


Meta-Analysis in Mental Health Care

- Meta-analyses are used for various types of scientific questions in mental health research, e.g.
 - Prevalence of mental disorders
 - Determinants of mental health, consequences of mental illness
 - **Effectiveness of mental health interventions** (e.g. psychotherapy, pharmacotherapy, preventive interventions, ...)
- **Any research topic with sufficient quantitative evidence for synthesis**



e.g. Cuijpers & Smit, 2002

Meta-Analysis in Mental Health Care

Why do we need meta-analyses of mental health interventions?

- Mental disorders are highly prevalent and associated with numerous negative consequences for the individual and society
- Numerous treatments are available, but not all work, and not all work for everyone
- Many effectiveness claims are based on clinical practice, expert opinion, tradition (“eminence-based medicine”)
- **Instead, mental health care of individuals should be based on the best evidence currently available to us!**
- **Encapsulated in the idea of “Evidence-Based Medicine” (EBM)**

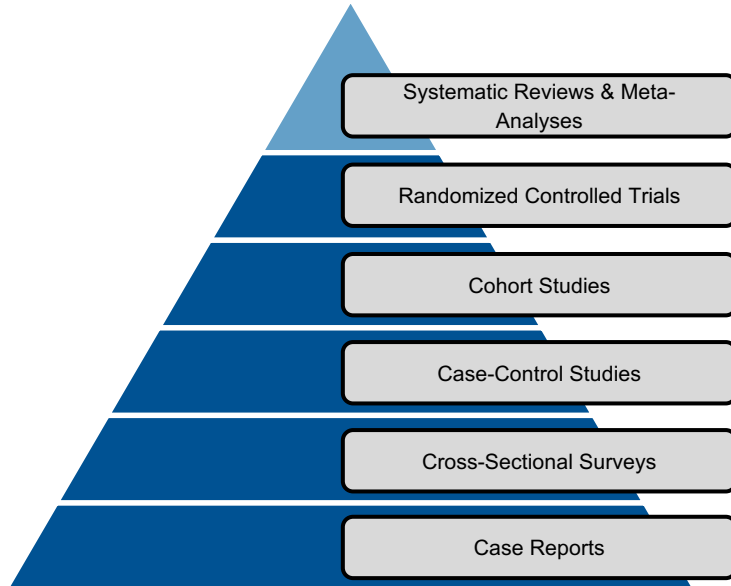
Replying to @JavidTenzin and @CobraTateKING

I think most men wouldn't be depressed if they actually decided that depression is fake



Meta-Analysis in Mental Health Care

Evidence-based medicine (EBM) pyramid



Gordon Guyatt

Systematic reviews & meta-analyses of high-quality studies with robust findings can be considered the highest form of evidence in health care!

Adapted from Guyatt, G. H., Sackett, D. L., ... & Wilson, M. (1995). *JAMA*.

Cochrane

- Cochrane (formerly Cochrane Collaboration), founded in 1993, has played a crucial role in the development of applied meta-analysis.
- Goal: “work together to produce credible, accessible health information that is free from commercial sponsorship and other conflicts of interest”
- Uses rigorous standards to synthesize evidence in the biomedical field, makes them available in the Cochrane library
- Issues the regularly updated Handbook for Systematic Reviews of Interventions (Higgins et al. 2019) and Cochrane Risk of Bias Tool (Sterne et al. 2019).
- An organization similar to Cochrane is the **Campbell Collaboration**, which primarily focuses on research in the social sciences.



Cochrane

