



# PHM 3525 Drug Information

Ankara University Faculty of Pharmacy  
Department of Clinical Pharmacy



# Evidence-Based Medicine (EBM)

- It is the conscientious,
- explicit &
- judicious use of current best evidence
- in making clinical decisions about the care of individual patients.



# Databases

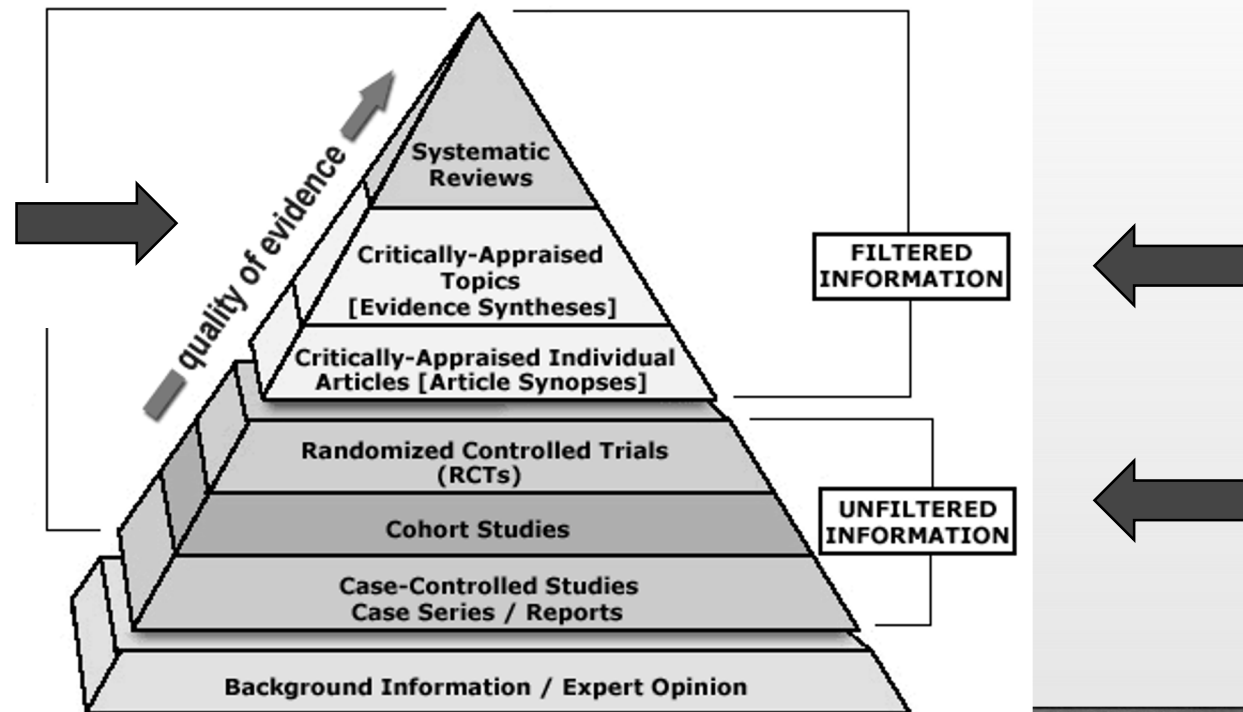
- systematically surveys or reviews the literature
- presents only patient-oriented research outcomes
- demonstrates that a validity assessment has been performed using appropriate criteria
- assigns levels of evidence,



# Research Designs

- **Descriptive research designs** focus on novel or unusual signs, symptoms, or events.
- **Observational research designs** involve examining participants expressly because they exhibit either a specific characteristic or a specific outcome.
- **Experimental research designs** involve the random assignment of participants to experimental conditions.

# Pyramid of EBM



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## Case Study & Case Series

- **A case study** is a description of an individual with a novel or unusual condition.
- **A case series** is a summary of the health status of several individuals who all display a similar novel clinical finding or condition.



# Case-Control Study

- Investigator assesses the status of the exposure and the outcome.
- The inclusion of a control / non-disease group in the study design provides baseline data to which information from the case-patients can be compared.



# Bias

- Systematic error introduced into some aspect of the study by the experimental design or methods.
- Selection bias: If the selected control patients had differed from the population in some clinically meaningful way