



# How should an RWE study plan be developed and communicated?

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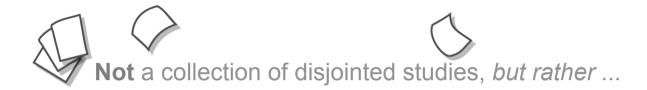


#### A question for you

- What involvement have you had in RWE planning?
  - 1. Gap analysis and strategy
  - 2. Methodology and analysis
  - 3. Publication support only



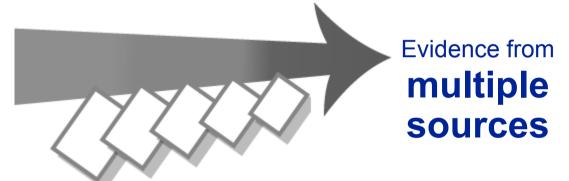








Comprehensive plan across life cycle





#### Study planning considerations

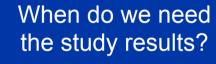
What are our objectives?

What type of study are we going to do?

Who is the target audience for the study?

How will we carry out the study?

What resources are required?



Where will the study be carried out?

Who is needed to carry out the study?

How will the study be communicated?





#### **Research question**

- Address the evidence need by formulating the scientific objective and hypothesis (if appropriate)
  - This should be determined before the study starts
  - Do not start a study hoping an interesting question will emerge

A good research question is:

Interesting

Novel

Ethical

Relevant



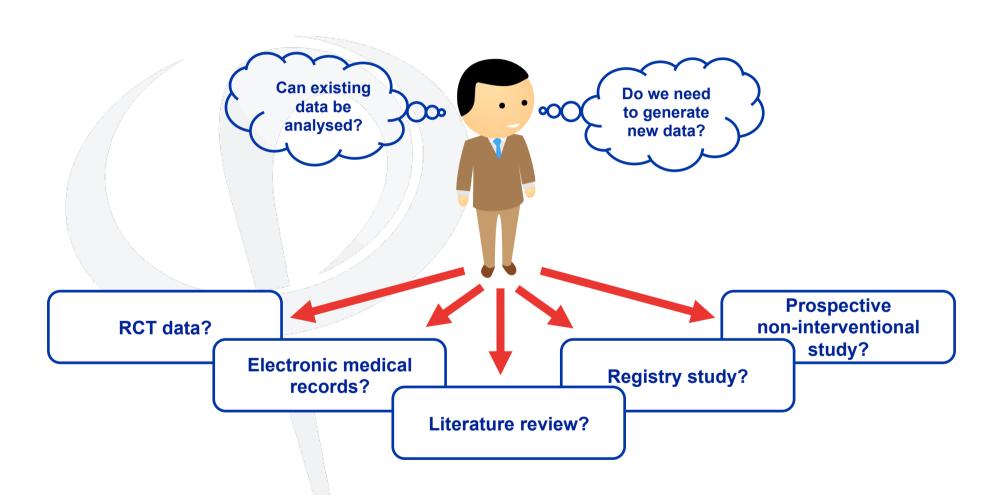
#### Deciding what will be studied

 PICO framework is useful for structuring and focusing the research question

Patients? Disease? Care setting? P **Patients** (e.g. adults with type 2 diabetes in primary care) Intervention Treatment? Delivery? Purpose? (e.g. a self-administered medicine to prevent long-term complications) (or exposure) Alternative treatment or no treatment? C Comparators (e.g. current standard of care) Symptoms? Side effects? Surrogate endpoint? Quality of life? 0 Outcomes Economic endpoint? (e.g. glycated haemoglobin level)

### Deciding how the evidence need will be met





### Systematic assessment of RWE sources provides foundation for research



#### **OBJECTIVE**

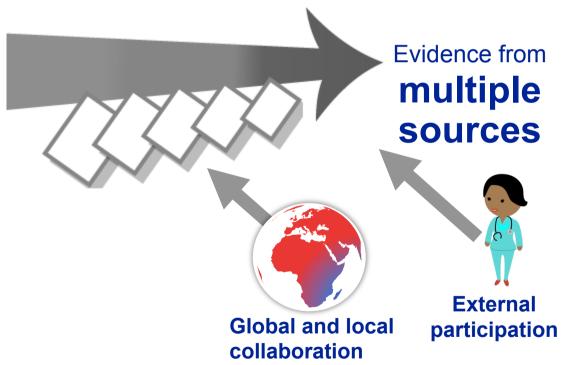
- Real-world evidence provides information about the effectiveness, safety, and value of healthcare interventions throughout the product lifecycle.
- A multitude of observational data sources exist but they vary by geographic location and in quality, data elements captured, and accessibility to external users.
- Our objective was to develop a systematic methodology to identify observational data sources for specific research questions and to test it in both common and rare conditions in a range of therapeutic areas.







Comprehensive plan across life cycle





#### **Collaborating with external experts**

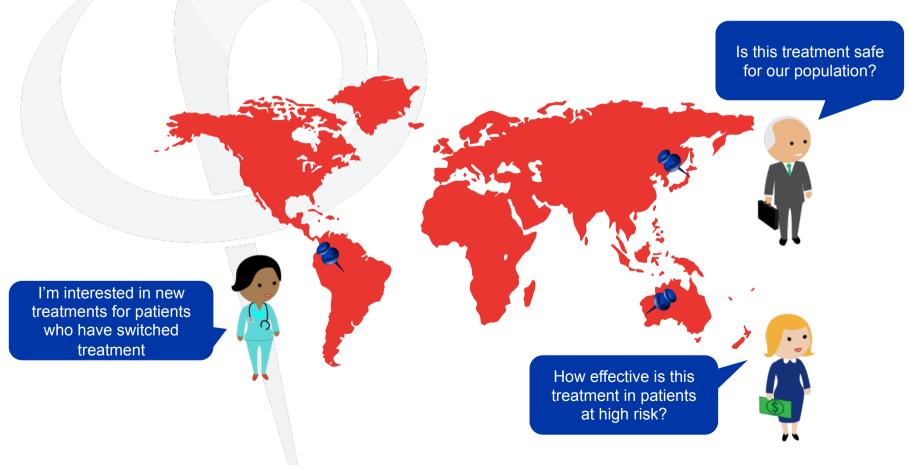
- External partners can:
  - advise on the study design and methodology
  - provide access to data
  - use contemporary statistical approaches to analyse data





#### Global and local collaboration

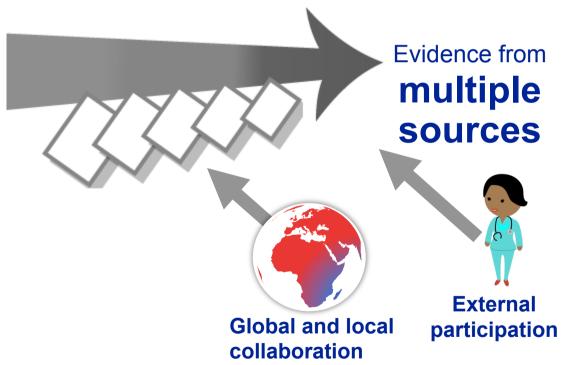
 Understanding the perspectives of local healthcare decision-makers is crucial for ensuring that the right evidence is generated



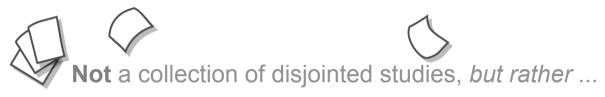




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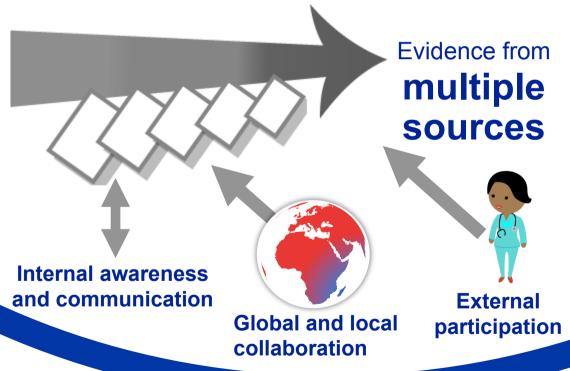




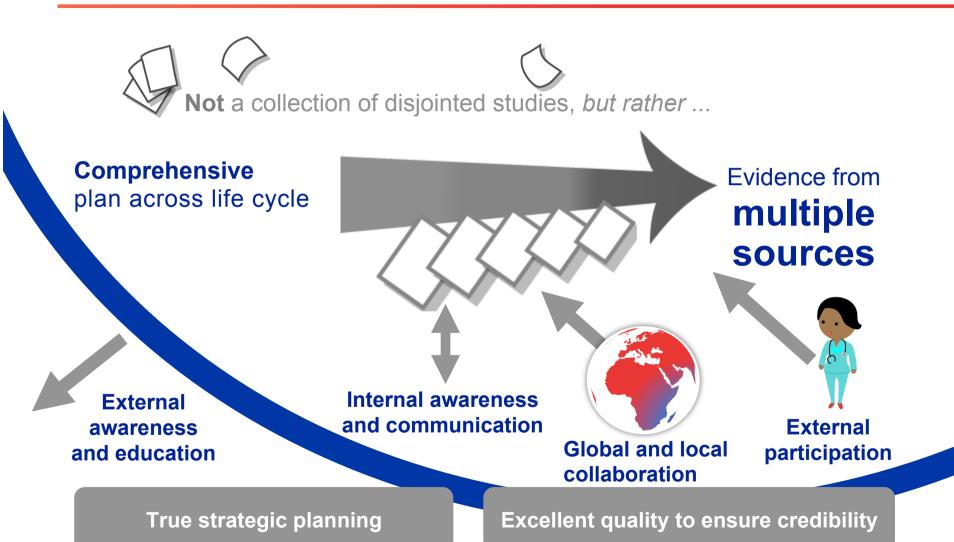


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External awareness and education



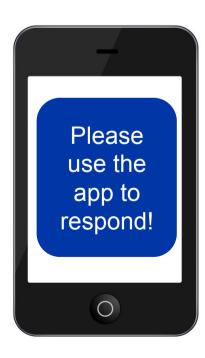






#### A question for you

- How confident are you in communicating RWE?
  - 1. I'm very experienced and I know what I'm doing
  - 2. I do work with RWE but I'm still learning
  - 3. I'm completely bamboozled





#### **Question for the panel**

What are the challenges you face?



### Publications matter ... because EBM relies on systematic literature reviews

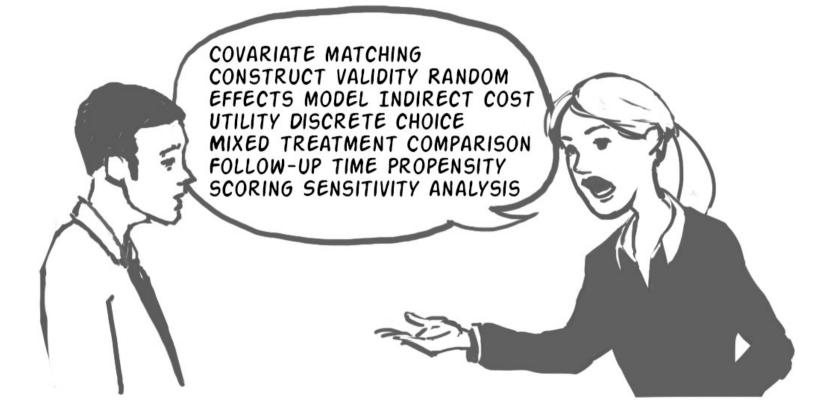


- A core methodology of EBM is the systematic review
  - All relevant published evidence relating to the indication is identified and evaluated
- Publications evaluated in the EBM process will inform decision-making
  - Relevant publications identified by the systematic review will have to be considered
  - A publication by clinical experts in a high-quality, peer-reviewed journal lends credibility and weight to your data

## Communicating effectively means cutting out the technical jargon



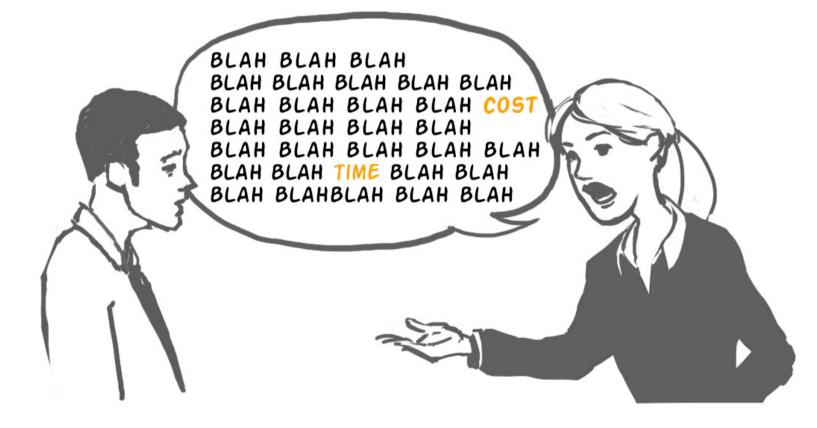




## Communicating effectively means cutting out the technical jargon



#### WHAT THEY HEAR



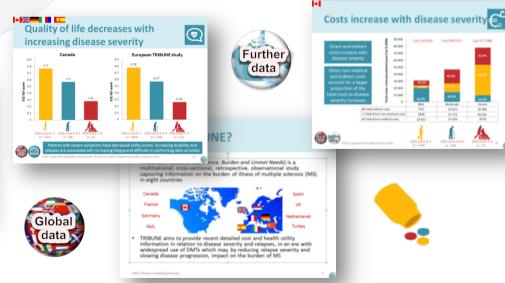
## Help your audiences: beyond publication



- Most of your internal and external audiences for RWE publications will not understand the technical details of RWE
- Develop simple, non-technical tools to accompany publications
  - One-page 'Evidence Summaries' of key RWE study publications
  - Infographics-driven, visually stimulating, interactive slide decks

 Usable by field force in discussions with payers, prescribers and other decision-makers











Plan Perform Publish...

...RWE as you would RCT evidence