

# Tools to assess the trustworthiness of evidence-based point-of-care resources for health care professionals: A systematic review

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# Background

## *EBM in daily practice*



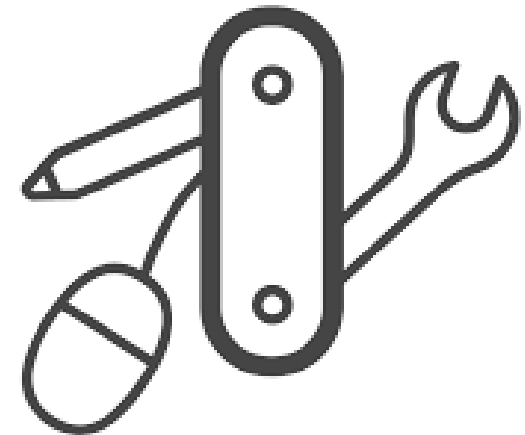
 **ebpracticenet**

- User-friendly information at the **point-of-care**:
  - ✓ well structured
  - ✓ rapidly accessible
  - ✓ comprehensive
- **Trustworthy** information

Need for a **standard, validated tool**

# Aims

- Development of a **valid tool** to assess **trustworthiness** of POC information
- **Systematic review** to identify existing tools
- Examine **validity** and **reliability** of these tools

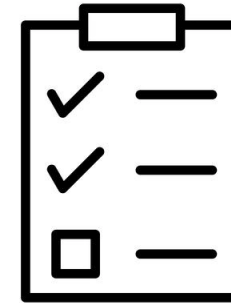


# Methods

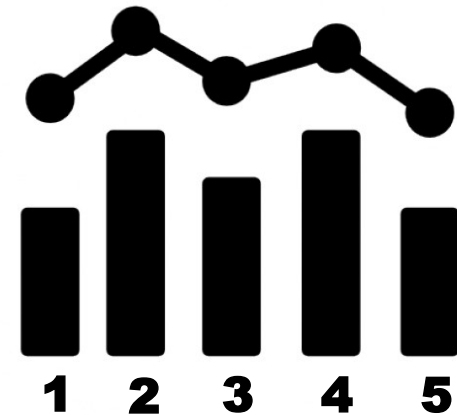
- Systematic search:
  1. Website screening
  2. Medline (Pubmed) till June 2019
  3. Web of Science: reference lists and lists of citing papers for each retrieved paper.
- *Inclusion:* studies, reports, websites, methodologies reported on tools to assess the **trustworthiness** of **health care information** for **professionals**.
- *Exclusion:* information for patients  
mobile applications

# Methods

- Data extraction:
  - general characteristics
  - development process
  - reliability and validity
- Analysis of used criteria – 5 categories:
  - (1) *author-related information*
  - (2) *evidence-based methodology*
  - (3) *website quality*
  - (4) *website design and usability*
  - (5) *website interactivity*



*descriptive*



website screening

identification

22 websites

screening

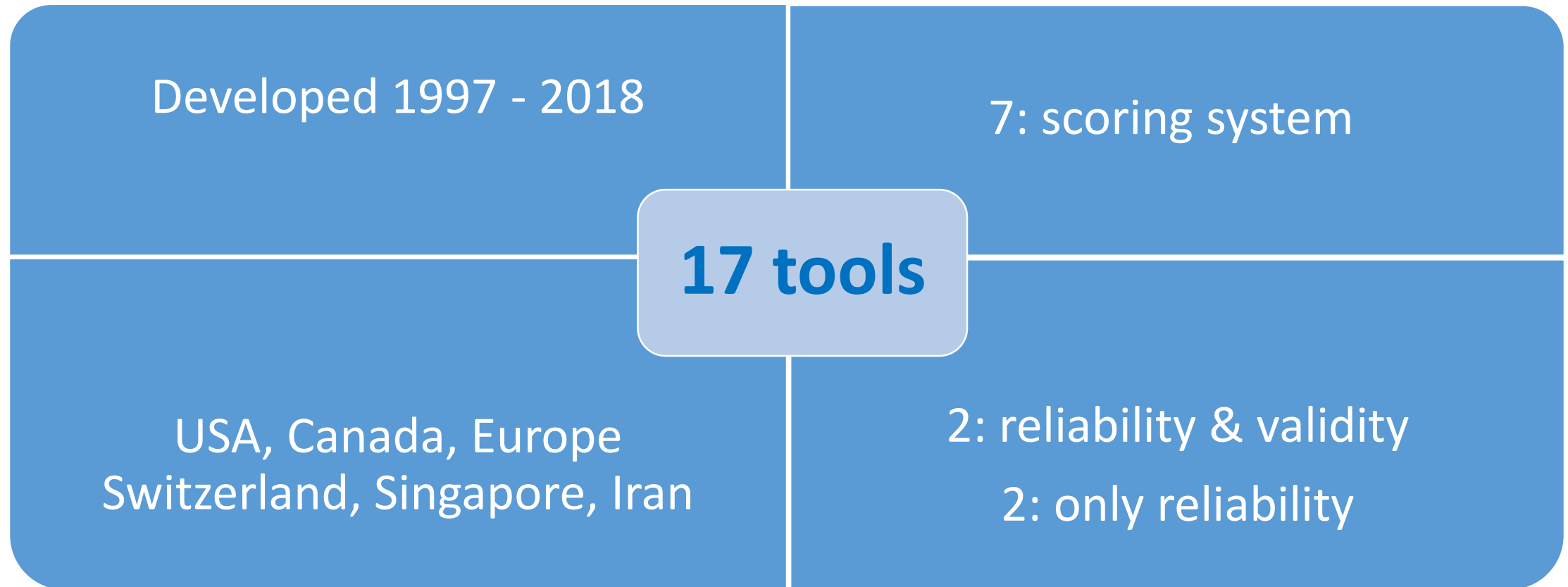
18 websites excluded: not a tool for assessment of trustworthiness

eligibility

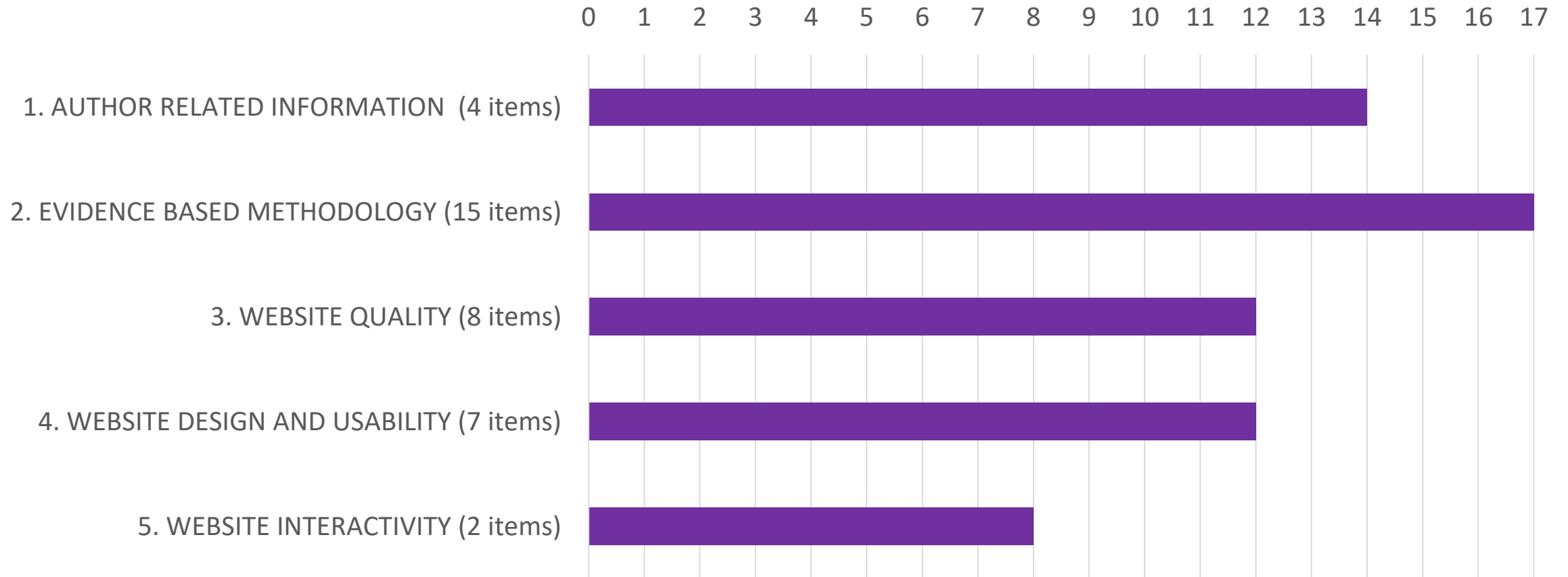
4 websites = 4 tools

inclusion

# Results general characteristics

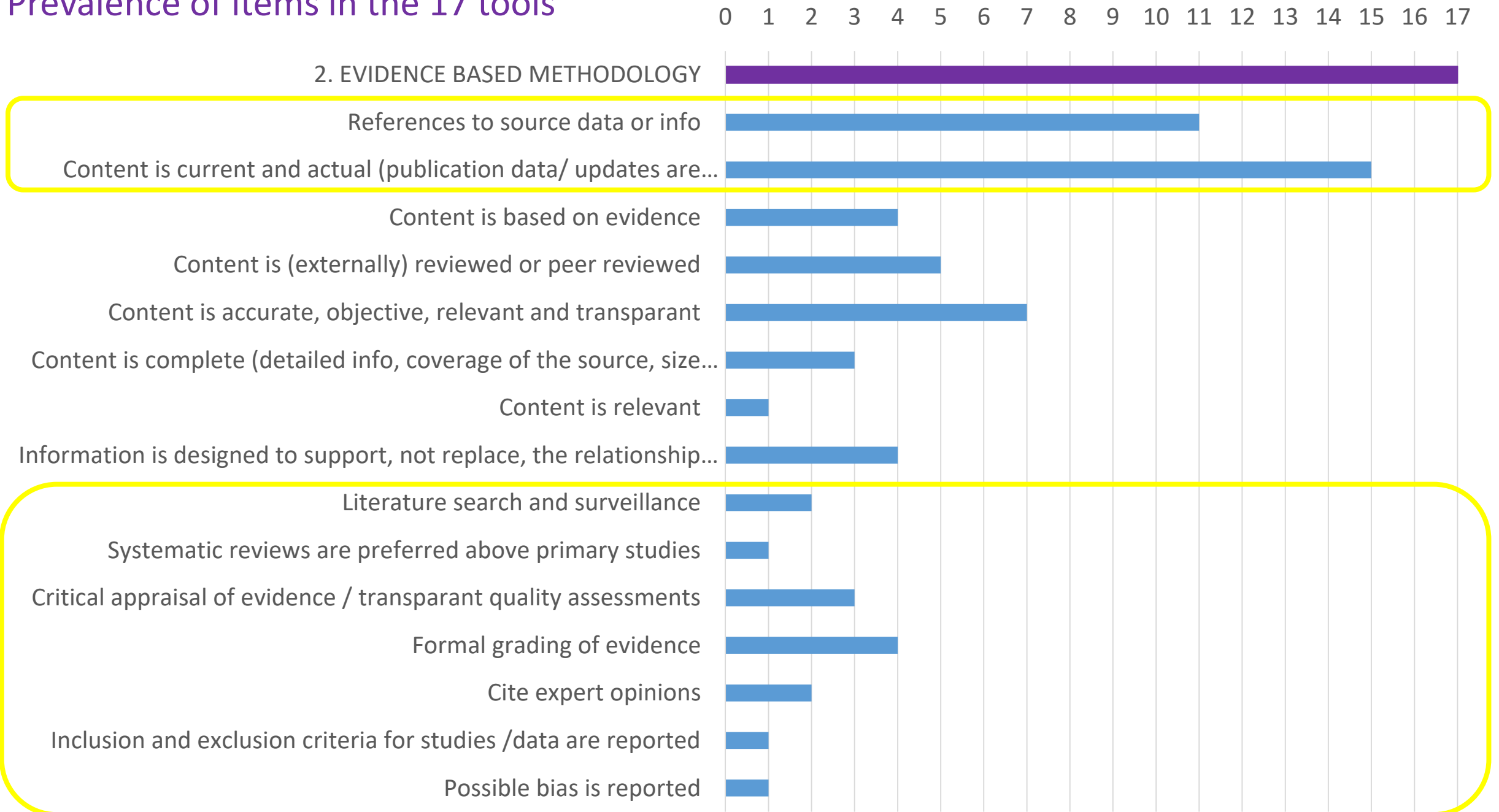


# Content analysis: Prevalence of items in the 17 tools





# Prevalence of items in the 17 tools



# Limits

- Literature search: absence of a **common terminology**
- No standard **risk of bias assessment** for each individual tool



**Risk Free**

# Bottom Line

## Trustworthiness of Point-of-Care Resources

- 17 different tools
- variety of items
- 2 tools:    (+) reliability & validity tests  
              (-) lacked some essential criteria

**Need for a standard, validated tool**

**Development of a new tool**

# THANK YOU!

