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9<sup>th</sup> -12<sup>th</sup> May – Qualitative Text Analysis using Digital Tools (MAXQDA)  
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 11<sup>th</sup> & 12<sup>th</sup> July – Undertaking Evidence Reviews using MAXQDA

# Spotlight : Literature Reviews with MAXQDA

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# Literature review methodologies

*Review Article*

DOI: 10.1111/j.1471-1842.2009.00848.x

**A typology of reviews: an analysis of 14 review types and associated methodologies**

Maria J. Grant\* & Andrew Booth†, \*Salford Centre for Nursing, Midwifery and Collaborative Research (SCNMCR), University of Salford, Salford, UK, †School of Health and Related Research (SchARR), University of Sheffield, Sheffield, UK

**Abstract**

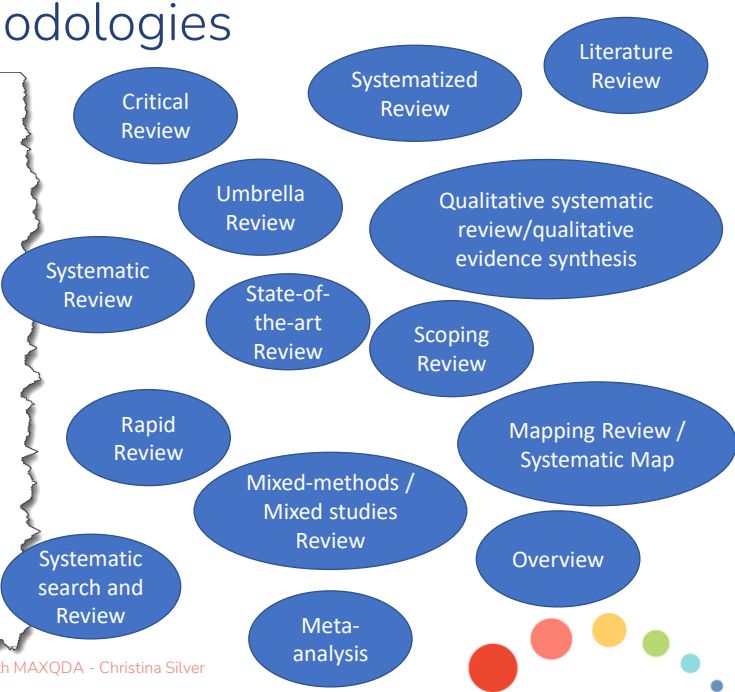
**Background and objectives:** The expansion of evidence-based practice across sectors has led to an increasing variety of review types. However, the diversity of terminology used means that the full potential of these review types may be lost amongst a confusion of indistinct and misapplied terms. The objective of this study is to provide descriptive insight into the most common types of reviews, with illustrative examples from health and health information domains.

**Methods:** Following scoping searches, an examination was made of the vocabulary associated with the literature of review and synthesis (literary warrant). A simple analytical framework—Search, Appraisal, Synthesis and Analysis (SALSA)—was used to examine the main review types.

**Results:** Fourteen review types and associated methodologies were analysed against the SALSA framework, illustrating the inputs and processes of each review type. A description of the key characteristics is given, together with perceived strengths and weaknesses. A limited number of review types are currently utilized within the health information domain.

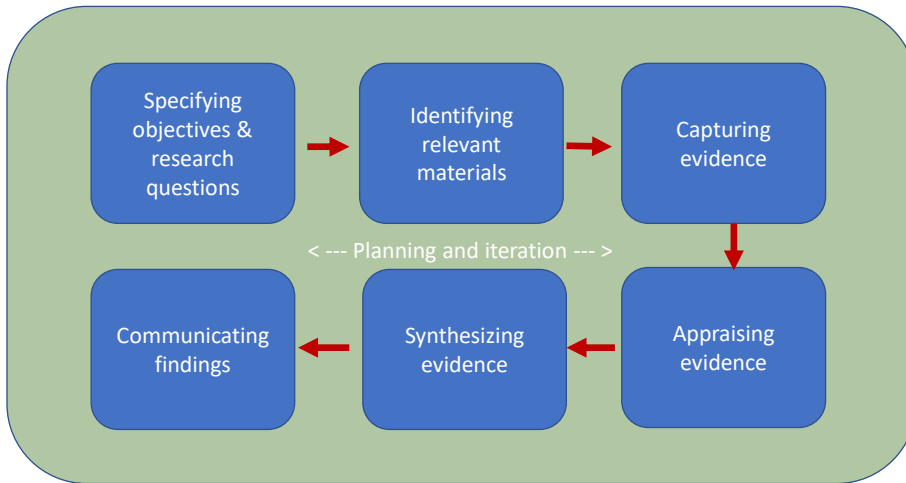
**Conclusions:** Few review types possess prescribed and explicit methodologies and many fall short of being mutually exclusive. Notwithstanding such limitations, this typology provides a valuable reference point for those commissioning, conducting, supporting or interpreting reviews, both within health information and the wider health care domain.

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## High-level process



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## Spectrum of review types



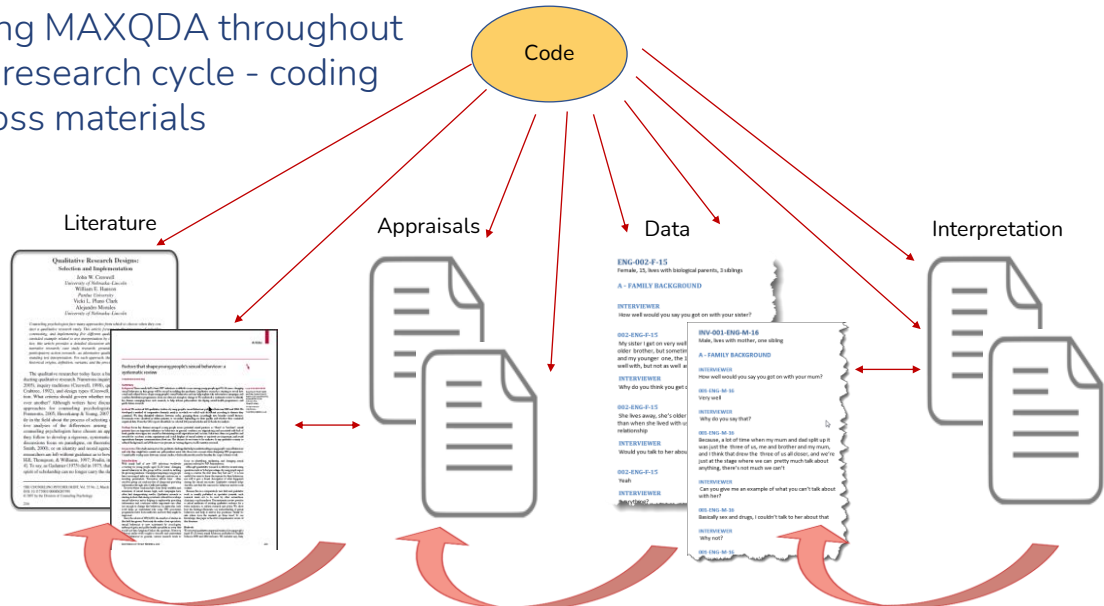
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## Using MAXQDA throughout the research cycle - coding across materials



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## MAXQDA features for literature reviews

- Importing and working with PDF files directly
- Importing references and metadata from bibliographic tools (Endnote, Mendeley, Zotero)
- Using documents to create your own critical appraisals that can be analysed
- Searching for salient issues in literature using keywords, text search and MAXDictio tools
- Coding to systematise thinking about literature and integrate with other data
- Using Sets to create sub-groups of Literature
- Using Paraphrases to capture initial thoughts about literature
- Using Memos to write high-level appraisals of common themes
- Using Summaries to précis and compare
- Using internal links to integrate your writing with the literature & establish connections across references
- Using Document Variables to capture analytic features about literature files
- Using queries and matrix browsers to identify and interrogate patterns
- Using Maps and Models to visually interrogate and display connections
- Outputting to facilitate a rounded write up



[https://bit.ly/MAXQDA\\_for\\_LitReview](https://bit.ly/MAXQDA_for_LitReview)

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## Today...

- Narrowing the pool: analysis of abstracts
  - Identifying relevant materials (screening)
- Assessing quality: quantification & interpretation
  - Capturing and appraising

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## Literature review example

Topic: green marketing

(drawn from SLR by Katarzyna Rozenkowska, PhD student at University of Warsaw, Poland)

Research question: How has research into green behaviours in workplace settings developed over the past decade (2012 - 2021)

MAXQDA project set-up

- Studies identified and managed in Zotero
- RIS import (no full-texts)
- < 1600 articles < 4500 keywords coded

Substantive:

- Types of green behaviours
- Different workplace settings

Methodological:

- Types of research
- Disciplinary contexts

Timespan:

- 2012-2021

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## Narrowing the pool: screening for inclusion/exclusion

- Screen abstracts based on pre-determined criteria
  - Create codes for screening criteria
  - Code abstracts based on presence/absence
    - Justify reason for rejection using comment
    - Create sub-codes for dimension of presence
  - Colour document based on inclusion/exclusion
- Remove rejected articles
  - Activate excluded documents -> Set -> remove

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## Assessing quality: capturing & appraising evidence

Quality criteria differ

- by study type – qualitative/quantitative/mixed ...?
- in relation to review focus – quantification and/or interpretive assessment ...?
- At the article level
  - Document Variables -> Sets
- At the segment level
  - Evaluative codes -> categorical variables
- At the interpretive level
  - Auto-code structured appraisals -> summary tables



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## Initial considerations in deciding how to work

- What literature review methodology are you using?
- To what extent do you need to integrate the analysis of the literature with other data?
- Do you want to work directly with the literature, in-directly, or both?
- What outputs do you need to generate from the literature?

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## More information on structuring appraisals



Christina Silver • May 14 • 7 min read

The crux of literature reviewing: structuring critical appraisals and using CAQDAS-packages

### Clarity around review purpose

Whatever the type of literature review, it's crucial to be clear about the overarching purpose. Systematic literature reviews seek to explicitly answer specific questions, which drive every stage of the process - from developing inclusion/exclusion criteria for identifying relevant literature, through the framing of review questions, identifying the focus of analysis and the structuring of the reporting.

<https://www.qdaservices.co.uk/post/the-crux-of-literature-reviewing-structuring-critical-appraisals-and-using-caqdas-packages>

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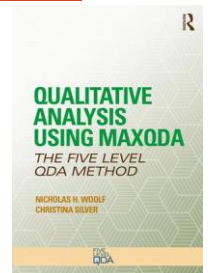
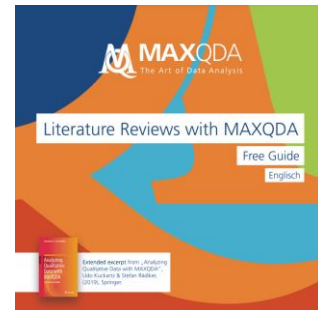
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**MAXDAYS**  
MAXQDA VIRTUAL CONFERENCE

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Thank you....

...questions, comments, reflections...

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