

# BMJ Open Positive experiences of family caregivers of patients with chronic heart failure: protocol for a qualitative systematic review and meta-synthesis

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**To cite:** Yang P, Guan Q, Ma M, *et al.* Positive experiences of family caregivers of patients with chronic heart failure: protocol for a qualitative systematic review and meta-synthesis. *BMJ Open* 2022;**12**:e063880. doi:10.1136/bmjopen-2022-063880

► Prepublication history and additional supplemental material for this paper are available online. To view these files, please visit the journal online (<http://dx.doi.org/10.1136/bmjopen-2022-063880>).

PY and QG are joint first authors.

Received 14 April 2022

Accepted 29 November 2022



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## ABSTRACT

**Introduction** Previous studies have highlighted the experiences of caregivers for patients with chronic heart failure (CHF), specifically focusing on their negative experiences. There are few systematic reviews on the topic to synthesise the positive experiences of family caregivers for patients with CHF. This study will examine how experiences such as developing new skills, strengthening their relationships (between caregivers and recipients) and receiving appreciation from the care recipient assist to improve caregivers' perception of their circumstances.

**Methods and analysis** This review will be conducted in accordance with the Joanna Briggs Institute (JBI) methodology for qualitative systematic reviews. Qualitative and mixed methods studies related to the positive experiences of family caregivers for patients with CHF, reported in English or Chinese and published from inception in the following databases will be included: PubMed, MEDLINE, Embase, Cochrane Library, Web of Science, PsycINFO, CINAHL, Wan Fang Data, China National Knowledge Infrastructure, Chongqing VIP, Chinese Biomedical Literature Database, Open Grey and Deep Blue Library databases. The standard JBI Critical Appraisal Checklist for Qualitative Research will be used by two independent reviewers to appraise the quality of the included studies, and the standardised JBI Qualitative Data Extraction Tool for Qualitative Research will be applied to extract data. The final synthesised findings will be graded according to the ConQual approach for establishing confidence in the output of qualitative research synthesis.

**Ethics and dissemination** Ethical approval is not required as no primary data are being collected. The results will be made available through a peer-reviewed publication.

**PROSPERO registration number** CRD42021282159.

## INTRODUCTION

Heart failure (HF) is a global public health problem. According to data from the *Journal of the American Medical Association* in 2020, HF affects approximately 40 million people worldwide.<sup>1</sup> The 2022 statistics of the American Heart Association suggest that 9.9% of Americans die because of HF.<sup>2</sup> Additionally, the rise in HF cases is placing an increasing

## STRENGTHS AND LIMITATIONS OF THIS STUDY

- ⇒ Two independent reviewers will screen studies for inclusion, extract data and assess quality to avoid personal biases.
- ⇒ This systematic review will be guided by the Joanna Briggs Institute methodology for qualitative systematic reviews to ensure a high level of rigour.
- ⇒ A limitation is that the synthesis findings rely on the data presented in each of the included studies, which may not reflect the full analysis of the original data.

burden on healthcare systems, with total expenditures ranging between 1% and 2% of the total healthcare budget in developed countries.<sup>3 4</sup>

Patients with chronic HF (CHF) often need to receive daily unpaid care from family caregivers to help manage their symptoms because of age, cognitive decline and comorbidities.<sup>5</sup> A family caregiver, also known as an informal or unpaid caregiver, is defined as an individual who cares for a loved one with a short-term or long-term disability or illness.<sup>6</sup> These people play a key role in the management of CHF by monitoring complex medical and self-care regimens, encouraging medication adherence and managing sleep disturbances.<sup>7</sup> The value of the 'free' services provided by family caregivers is estimated at US\$306 billion per year. This figure is almost two times as much as that spent on home care and nursing home services combined.<sup>8</sup> Thus, family caregivers are important resources for patients with CHF in managing and coping with the disease.<sup>9</sup>

In 2018, the 'Research Priorities in Caregiving Summit' convened by the Family Caregiving Institute at the Betty Irene Moore School of Nursing at UC Davis called for increased awareness of informal caregivers and conducting needs assessment, especially for the subjective experience of caregiving.<sup>10</sup>

Some tools tailored to caregivers' positive experiences assessment were developed at least 20–30 years ago, such as Caregiving Appraisal Scale,<sup>11</sup> Caregiver Reaction Assessment,<sup>12</sup> Benefit Finding Scale<sup>13</sup> and Positive Aspects of Caregiving,<sup>14</sup> which mainly focused on experiences of satisfaction, mastery, ideology, finding meaning, personal growth, self-affirmation and outlook on life. However, these tools are dated and fail to yield the appropriate situational or contextual data.<sup>15</sup> In comparison, qualitative approaches are a legitimate way to provide extensive data on how people interpret and act on their needs or symptoms.<sup>16</sup>

To date, qualitative studies<sup>9 17–19</sup> have explored the experiences of family caregivers for patients with CHF. Some<sup>9 17</sup> extracted a few themes of positive experience during caregiving, which were identified to play an important role in buffering the stress of caregivers, promoting caregivers' role adaptation, increasing life satisfaction and enabling individuals to reflect on their situation and seek a sense of 'being' to discover personal ability, talent, strength and courage.<sup>5 20</sup> The limited two qualitative systematic reviews<sup>21 22</sup> focused on the experiences of family caregivers for patients with CHF and were published in 2011 and 2020, respectively. They reviewed studies published from 2003 to 2018 in English databases, and they did not provide clear themes of positive experiences. Therefore, the qualitative information related to positive experiences of family caregivers for patients with CHF is still fragmented and lacks synthesis. Furthermore, two studies<sup>5 23</sup> specifically focused on positive experiences of family caregivers for patients with CHF. They were published in 2019. One<sup>23</sup> was published in a Chinese database, while the other<sup>5</sup> employed a mixed methods design. However, studies about the experience of family caregivers for patients with CHF, either published in Chinese database or designed in mixed methods were not considered in the past qualitative systematic reviews.<sup>21 22</sup>

Therefore, this study will systemically review and synthesise qualitative data in both qualitative and mixed methods studies on positive experiences of family caregivers for patients with CHF in both English and Chinese databases from inception to now. This can offer a bird's eye view of the positive experiences of caregiving and might inform healthcare professionals and policy-makers of targeted guidance or supporting measures for family caregivers.

## METHODS AND ANALYSIS

### Design

The proposed systematic review will be conducted in accordance with the Joanna Briggs Institute (JBI) Methodology for Systematic Reviews of Qualitative Evidence.<sup>24</sup> The review protocol follows the Preferred Reporting Items for Systematic Review and Meta-analysis (PRISMA) Protocols 2015 statement.<sup>25</sup> Any amendments to the protocol will be documented on PROSPERO and in the final manuscript.

### Eligibility criteria

#### Type of participants

Family caregivers of patients with CHF, who are aged  $\geq 18$  years and unpaid, such as sons, spouses, daughters, parents, close friends and other relatives.

#### Phenomena of interest

The positive experiences of family caregivers caring for patients with CHF.

#### Context

In home settings.

#### Types of studies

Qualitative and mixed methods studies in English and Chinese and from databases since inception and designed in the following format: phenomenology, grounded theory, narrative, hermeneutic, action research, field research, feminism, key informant and ethnography. We will only consider the qualitative component of the mixed methods studies. Studies with a quantitative design, case reports, practice guidelines, case series, conference abstracts, expert opinions and book chapters will not be considered.

#### Information sources

The databases to be searched include PubMed, MEDLINE (EBSCOhost), Embase, Cochrane Library, Web of Science, PsycINFO, Cumulative Index to Nursing Allied Health Literature (CINAHL) and four Chinese literature databases: Wan Fang Data, China National Knowledge Infrastructure, Chongqing VIP and Chinese Biomedical Literature Database. Sources of grey literature to be searched include Open Grey and Deep Blue Library databases.

#### Search strategy

The search strategy will aim to locate qualitative studies in English and Chinese, published from inception. First, index terms will be fixed based on an initial search of PubMed and CINAHL databases. Then, a tailored search strategy will be used to search various databases. Reference lists of all included studies will be screened to identify other relevant studies. The PROSPERO registration number is CRD42021282159. The full search strategy is available in online supplemental appendix I.

#### Study selection

Following the search, all identified citations will be collated and uploaded into a NoteExpress database. Duplicates will be removed. First, the titles and abstracts will be screened and assessed by two independent reviewers (PY and QG) considering the noted inclusion criteria; then, the full text of selected citations will be reviewed. The reasons for exclusion of full-text studies will be noted and reported in the systematic review. Finally, all study reference lists that meet the inclusion criteria will be checked to identify other relevant studies. The results will be reported in full

in the final systematic review and presented in a PRISMA flow diagram.<sup>26</sup>

### Assessment of risk of bias

The methodological quality of eligible studies will be critically appraised with the standard JBI Critical Appraisal Checklist for Qualitative Research (online supplemental appendix II),<sup>24 27</sup> which includes 10 items that assess research methodology, philosophical foundation, data collection, analysis method, result validity and research ethics. All items will be evaluated as follows: 'yes', 'no', 'unclear' and 'not applicable'. The evaluation results will be judged by the number of items that meet the standard requirements. Studies will be considered to have a weak rating if ≤6 of the items were answered 'yes', to have a medium rating if 7–8 of the items were answered 'yes' and to have a strong rating if 9–10 of the items were answered 'yes'.<sup>28</sup> Only studies with at least a medium rating will undergo data extraction and synthesis. Authors of studies will be contacted to obtain missing or additional data for clarification, when required. The two independent reviewers (PY and QG) will remain unaware of each other's assessment. Any disagreements that arise between the reviewers will be resolved through discussion, or with a third reviewer (YF). The results of critical appraisal will be reported in tabular and narrative forms.

### Data extraction

Data will be extracted by two independent reviewers (PY and MM) from the included studies using the standardised JBI Qualitative Data Extraction Tool for Qualitative Research (online supplemental appendix III),<sup>29</sup> which is part of the JBI Qualitative Assessment and Review Instrument that was developed by the JBI based on relevant literature, a panel of experts and pilot-testing.<sup>30</sup> The author information, year of publication, methodology, method of data collection, geographical location, setting, participants (type and number of family caregivers), data analysis, phenomena of interest and findings (such as the themes, subthemes, authors' analytic interpretations and relevant illustrations under the headings 'Results/Findings' relating to the family caregivers' positive experiences), which are referred in the JBI Qualitative Data Extraction Tool for Qualitative Research, will all be labelled. Only unequivocal and credible findings will be included in the synthesis. Any disagreements that arise between the reviewers will be resolved through discussion or with a third reviewer (YF). Authors of studies will be contacted to request missing or additional data, when required. All extracted data will be presented in tabular and narrative forms.

### Data synthesis

The extracted data will be pooled using the JBI meta-aggregation approach.<sup>24</sup> Two independent reviewers (PY and MM) will read the studies and extract findings and the accompanying illustrations. The quality of the extracted findings will be rated on three levels—unequivocal,

equivocal and unsupported—based on the degree of fit or congruency between the data and the accompanying illustration. Only unequivocal and credible findings will be included and coded line by line. Then, categories will be derived based on similarity in meaning. Finally, the synthesised findings will be based on the similarity of meaning in categories, which can be used as a basis for evidence-based practice. Any disagreements that arise between the reviewers will be resolved through discussion or with a third reviewer (YF).

### Assessing the certainty of findings

The synthesised findings were subjected to an assessment, using the JBI ConQual approach,<sup>31</sup> to determine the level of confidence knowledge users may have in the value of the synthesised findings. The level of confidence for each synthesised finding is scored as high, moderate, low or very low based on the dependability of the primary studies from which the synthesised finding was composed and the credibility of the research findings from those studies.

### Patient and public involvement

None.

### Ethics and dissemination

Ethical approval is not required for secondary data analysis. The results will be disseminated through publication in a peer-reviewed journal.

**Acknowledgements** The authors acknowledge Shandong Provincial Department of Education and the School of Nursing in Binzhou Medical University for their funding support, Yang Li and Song Yuting (School of Nursing, Qingdao University) for writing assistance, Editage ([www.editage.com](http://www.editage.com)) for English-language editing and Zhang Xueyan (Binzhou Medical University Library) for the search strategy guidance.

**Contributors** PY and YF: Conception. PY, QG, MM and YF: Acquisition, analysis and interpretation of data for the work; drafting the manuscript and revising it critically for important intellectual content; final approval of the version to be published; agreeing to be accountable for all aspects of the work; and ensuring that questions related to the accuracy or integrity of any part of the work are appropriately investigated and resolved.

**Funding** The work was supported by the Shandong Provincial Department of Education (grant number SDYY18171) and the School of Nursing in Binzhou Medical University (grant number HXCX2021-007).

**Competing interests** None declared.

**Patient and public involvement** Patients and/or the public were not involved in the design, or conduct, or reporting, or dissemination plans of this research.

**Patient consent for publication** Not applicable.

**Provenance and peer review** Not commissioned; externally peer reviewed.

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**Appendix I : Search strategy****Example search strategy for PubMed**

Code	Search Strategy
#1	"heart failure"[MeSH Terms] OR "heart failure, diastolic"[MeSH Terms] OR "heart failure, systolic"[MeSH Terms]
#2	"heart failure diastolic"[Title/Abstract] OR "heart failure systolic"[Title/Abstract] OR "heart decompensat*"[Title/Abstract] OR "heart fail*"[Title/Abstract] OR "heart insufficien*"[Title/Abstract] OR "cardiac decompensat*"[Title/Abstract] OR "cardiac fail*"[Title/Abstract] OR "cardiac insufficien*"[Title/Abstract] OR "cardiac incompeten*"[Title/Abstract] OR "myocardial decompensat*"[Title/Abstract] OR "myocardial fail*"[Title/Abstract] OR "myocardial insufficien*"[Title/Abstract] OR "myocardial incompeten*"[Title/Abstract]
#3	#1 OR #2
#4	"caregivers"[MeSH Terms]
#5	"caregiv*"[Title/Abstract] OR "care-giver*"[Title/Abstract] OR "carer*"[Title/Abstract] OR "care giver*"[Title/Abstract] OR "dependents"[Title/Abstract] OR "family*"[Title/Abstract] OR "families*"[Title/Abstract] OR "son"[Title/Abstract] OR "sons"[Title/Abstract] OR "daughter*"[Title/Abstract] OR "spouse*"[Title/Abstract] OR "partner"[Title/Abstract] OR "husband*"[Title/Abstract] OR "wife"[Title/Abstract] OR "wives"[Title/Abstract] OR "sibling*"[Title/Abstract] OR "grandchild*"[Title/Abstract] OR "parent*"[Title/Abstract] OR "sister"[Title/Abstract] OR "brother*"[Title/Abstract] OR "uncle*"[Title/Abstract] OR "aunt*"[Title/Abstract] OR "niece*"[Title/Abstract] OR "nephew*"[Title/Abstract] OR "cousin*"[Title/Abstract] OR "relatives"[Title/Abstract] OR "kinship"[Title/Abstract] OR "folk*"[Title/Abstract]
#6	#4 OR #5

#7	"attitude"[MeSH Terms] OR "motivation"[MeSH Terms]
#8	"experience*"[Title/Abstract] OR "view*"[Title/Abstract] OR "perspective*"[Title/Abstract] OR "preference*"[Title/Abstract] OR "attitude*"[Title/Abstract] OR "awareness"[Title/Abstract] OR "insight"[Title/Abstract] OR "expectation*"[Title/Abstract] OR "beliefs"[Title/Abstract]
#9	#7 OR #8
#10	"qualitative research"[MeSH Terms] OR "focus groups"[MeSH Terms] OR "grounded theory"[MeSH Terms] OR "narration"[MeSH Terms] OR "feminism"[MeSH Terms] OR "personal narratives as topic"[MeSH Terms]
#11	"qualitative research"[Title/Abstract] OR "qualitative method*"[Title/Abstract] OR "qualitative stud*"[Title/Abstract] OR "interview*"[Title/Abstract] OR "semi-structured"[Title/Abstract] OR "semistructured"[Title/Abstract] OR "unstructured"[Title/Abstract] OR "structured"[Title/Abstract] OR "informal"[Title/Abstract] OR "in-depth"[Title/Abstract] OR "indepth"[Title/Abstract] OR "face-to-face"[Title/Abstract] OR "focus group*"[Title/Abstract] OR "key informant"[Title/Abstract] OR "ethnograph*"[Title/Abstract] OR "thematic analys*"[Title/Abstract] OR "thematic"[Title/Abstract] OR "phenomenol*"[Title/Abstract] OR "grounded theory"[Title/Abstract] OR "grounded stud*"[Title/Abstract] OR "grounded research"[Title/Abstract] OR "grounded analys*"[Title/Abstract] OR "descriptive"[Title/Abstract] OR "interpretive"[Title/Abstract] OR "hermeneutic*"[Title/Abstract] OR "participant observation"[Title/Abstract] OR "action research"[Title/Abstract] OR "content analys*"[Title/Abstract] OR "discourse"[Title/Abstract] OR "narrative analys*"[Title/Abstract] OR "Narration"[Title/Abstract] OR "field*"[Title/Abstract] OR "Feminism"[Title/Abstract] OR "personal narratives as topic"[Title/Abstract]
#12	#10 OR #11
#13	#3 AND #6 AND #9 AND #12
Filter	From inception to present

## Example search strategy for CINAHL

Code	Search Strategy
#1	(MH "Heart Failure+") OR (MH "Ventricular Dysfunction+")
#2	(TI "heart fail*") OR (AB "heart fail*") OR (TI "heart insufficien*") OR (AB "heart insufficien*") OR (TI "heart decompensat*") OR (AB "heart decompensat*") OR (TI "heart incompeten*") OR (AB "heart incompeten*") OR (TI "cardiac fail*") OR (AB "cardiac fail*") OR (TI "cardiac insufficien*") OR (AB "cardiac insufficien*") OR (TI "cardiac decompensat*") OR (AB "cardiac decompensat*") OR (TI "cardiac incompeten*") OR (AB "cardiac incompeten*") OR (TI "myocardial fail*") OR (AB "myocardial fail*") OR (TI "myocardial decompensat*") OR (AB "myocardial decompensat*") OR (TI "myocardial insufficien*") OR (AB "myocardial insufficien*") OR (TI "myocardial incompeten*") OR (AB "myocardial incompeten*") OR (TI "heart failure diastolic") OR (AB "heart failure diastolic") OR (TI "heart failure systolic") OR (AB "heart failure systolic")
#3	#1 OR #2
#4	(MH "Caregivers") OR (MH "Family") OR (MH "Daughters") OR (MH "Spouses") OR (MH "Siblings") OR (MH "Sons") OR (MH "Parents")
#5	(TI "caregiv*") OR (AB "caregiv*") OR (TI "care-giver*") OR (AB "care-giver*") OR (TI "carer*") OR (AB "carer*") OR (TI "care giver*") OR (AB "care giver*") OR (TI "dependents") OR (AB "dependents") OR (TI "family*") OR (AB "family*") OR (TI "families*") OR (AB "families*") OR (TI "son") OR (AB "son") OR (TI "sons") OR (AB "sons") OR (TI "daughter*") OR (AB "daughter*") OR (TI "spouse*") OR (AB "spouse*") OR (TI "partner") OR (AB "partner") OR (TI "husband*") OR (AB "husband*") OR (TI "wife") OR (AB "wife") OR (TI "wives") OR (AB "wives") OR (TI "sibling*") OR (AB "sibling*") OR (TI "grandchild*") OR (AB "grandchild*") OR (TI "parent*") OR (AB "parent*") OR (TI "sister*") OR (AB "sister*") OR (TI "brother*") OR (AB "brother*") OR (TI "uncle*") OR (AB "uncle*") OR (TI "aunt*") OR (AB "aunt*") OR (TI "niece*") OR (AB "niece*") OR (TI "nephew*") OR (AB "nephew*") OR (TI "cousin*") OR (AB "cousin*") OR (TI "relatives") OR (AB "relatives") OR (TI "kinship") OR (AB "kinship") OR (TI "folk*") OR (AB "folk*")

#6	#4 OR #5
#7	(MH "attitude") OR (MH "motivation")
#8	(TI "experience*") OR (AB "experience*") OR (TI "view*") OR (AB "view*") OR (TI "perspective*") OR (AB "perspective*") OR (TI "preference*") OR (AB "preference*") OR (TI "attitude*") OR (AB "attitude*") OR (TI "awareness") OR (AB "awareness") OR (TI "insight") OR (AB "insight") OR (TI "expectation*") OR (AB "expectation*") OR (TI "beliefs") OR (AB "beliefs")
#9	#7 OR #8
#10	(MH "Qualitative Studies+") OR (MH "Focus Groups") OR (MH "Interviews+") OR (MH "thematic analysis") OR (MH "phenomenology") OR (MH "grounded theory") OR (MH "participant observation") OR (MH "action research") OR (MH "content analysis") OR (MH "Feminism+")
#11	(TI "qualitative research") OR (AB "qualitative research") OR (TI "qualitative method*") OR (AB "qualitative method*") OR (TI "qualitative stud*") OR (AB "qualitative stud*") OR (TI "interview*") OR (AB "interview*") OR (TI "semi-structured") OR (AB "semi-structured") OR (TI "semistructured") OR (AB "semistructured") OR (TI "unstructured") OR (AB "unstructured") OR (TI "structured") OR (AB "structured") OR (TI "informal") OR (AB "informal") OR (TI "in-depth") OR (AB "in-depth") OR (TI "indepth") OR (AB "indepth") OR (TI "face-to-face") OR (AB "face-to-face") OR (TI "focus group*") OR (AB "focus group*") OR (TI "key informant") OR (AB "key informant") OR (TI "ethnograph*") OR (AB "ethnograph*") OR (TI "thematic analys*") OR (AB "thematic analys*") OR (TI "thematic") OR (AB "thematic") OR (TI "phenomenol*") OR (AB "phenomenol*") OR (TI "grounded theory") OR (AB "grounded theory") OR (TI "grounded stud*") OR (AB "grounded stud*") OR (TI "grounded research") OR (AB "grounded research") OR (TI "grounded analys*") OR (AB "grounded analys*") OR (TI "descriptive") OR (AB "descriptive") OR (TI "interpretive") OR (AB "interpretive") OR (TI "hermeneutic*") OR (AB "hermeneutic*") OR (TI "participant observation") OR (AB "participant observation") OR (TI "action research") OR (AB "action research") OR (TI "content analys*") OR (AB "content analys*") OR (TI "discourse") OR (AB "discourse") OR (TI "narrative analys*") OR (AB "narrative analys*") OR (TI "Narration") OR (AB "Narration") OR (TI "field*") OR (AB "field*") OR (TI "Feminism") OR (AB "Feminism") OR

	(TI "personal narratives as topic") OR (AB "personal narratives as topic")
#12	#10 OR #11
#13	#3 AND #6 AND #9 AND #12
Filter	From inception to present

**Example search strategy for MEDLINE (EBSCO host)**

Code	Search Strategy
#1	(MH "Heart Failure+") OR (MH "Ventricular Dysfunction+")
#2	(TI "heart fail*") OR (AB "heart fail*") OR (TI "heart insufficien*") OR (AB "heart insufficien*") OR (TI "heart decompensat*") OR (AB "heart decompensat*") OR (TI "heart incompeten*") OR (AB "heart incompeten*") OR (TI "cardiac fail*") OR (AB "cardiac fail*") OR (TI "cardiac insufficien*") OR (AB "cardiac insufficien*") OR (TI "cardiac decompensat*") OR (AB "cardiac decompensat*") OR (TI "cardiac incompeten*") OR (AB "cardiac incompeten*") OR (TI "myocardial fail*") OR (AB "myocardial fail*") OR (TI "myocardial decompensat*") OR (AB "myocardial decompensat*") OR (TI "myocardial insufficien*") OR (AB "myocardial insufficien*") OR (TI "myocardial incompeten*") OR (AB "myocardial incompeten*") OR (TI "heart failure diastolic") OR (AB "heart failure diastolic") OR (TI "heart failure systolic") OR (AB "heart failure systolic")
#3	#1 OR #2
#4	(MH "Caregivers") OR (MH "Family") OR (MH "Daughters") OR (MH "Spouses") OR (MH "Siblings") OR (MH "Sons") OR (MH "Parents")
#5	(TI "caregiv*") OR (AB "caregiv*") OR (TI "care-giver*") OR (AB "care-giver*") OR (TI "carer*") OR (AB "carer*") OR (TI "care giver*") OR (AB "care giver*") OR (TI "dependents") OR (AB "dependents") OR (TI "family*") OR (AB "family*") OR (TI "families*") OR (AB "families*") OR (TI "son") OR (AB "son") OR (TI "sons") OR (AB

	"sons") OR (TI "daughter*") OR (AB "daughter*") OR (TI "spouse*") OR (AB "spouse*") OR (TI "partner") OR (AB "partner") OR (TI "husband*") OR (AB "husband*") OR (TI "wife") OR (AB "wife") OR (TI "wives") OR (AB "wives") OR (TI "sibling*") OR (AB "sibling*") OR (TI "grandchild*") OR (AB "grandchild*") OR (TI "parent*") OR (AB "parent*") OR (TI "sister*") OR (AB "sister*") OR (TI "brother*") OR (AB "brother*") OR (TI "uncle*") OR (AB "uncle*") OR (TI "aunt*") OR (AB "aunt*") OR (TI "niece*") OR (AB "niece*") OR (TI "nephew*") OR (AB "nephew*") OR (TI "cousin*") OR (AB "cousin*") OR (TI "relatives") OR (AB "relatives") OR (TI "kinship") OR (AB "kinship") OR (TI "folk*") OR (AB "folk*")
#6	#4 OR #5
#7	(MH "attitude") OR (MH "motivation")
#8	(TI "experience*") OR (AB "experience*") OR (TI "view*") OR (AB "view*") OR (TI "perspective*") OR (AB "perspective*") OR (TI "preference*") OR (AB "preference*") OR (TI "attitude*") OR (AB "attitude*") OR (TI "awareness") OR (AB "awareness") OR (TI "insight") OR (AB "insight") OR (TI "expectation*") OR (AB "expectation*") OR (TI "beliefs") OR (AB "beliefs")
#9	#7 OR #8
#10	(MH "Qualitative Studies+") OR (MH "Focus Groups") OR (MH "Interviews+") OR (MH "thematic analysis") OR (MH "phenomenology") OR (MH "grounded theory") OR (MH "participant observation") OR (MH "action research") OR (MH "content analysis") OR (MH "Feminism+")
#11	(TI "qualitative research") OR (AB "qualitative research") OR (TI "qualitative method*") OR (AB "qualitative method*") OR (TI "qualitative stud*") OR (AB "qualitative stud*") OR (TI "interview*") OR (AB "interview*") OR (TI "semi-structured") OR (AB "semi-structured") OR (TI "semistructured") OR (AB "semistructured") OR (TI "unstructured") OR (AB "unstructured") OR (TI "structured") OR (AB "structured") OR (TI "informal") OR (AB "informal") OR (TI "in-depth") OR (AB "in-depth") OR (TI "indepth") OR (AB "indepth") OR (TI "face-to-face") OR (AB "face-to-face") OR (TI "focus group*") OR (AB "focus group*") OR (TI "key informant") OR (AB "key informant") OR (TI "ethnograph*") OR (AB "ethnograph*") OR (TI "thematic analys*") OR (AB "thematic

	analys*") OR (TI "thematic") OR (AB "thematic") OR (TI "phenomenol*") OR (AB "phenomenol*") OR (TI "grounded theory") OR (AB "grounded theory") OR (TI "grounded stud*") OR (AB "grounded stud*") OR (TI "grounded research") OR (AB "grounded research") OR (TI "grounded analys*") OR (AB "grounded analys*") OR (TI "descriptive") OR (AB "descriptive") OR (TI "interpretive") OR (AB "interpretive") OR (TI "hermeneutic*") OR (AB "hermeneutic*") OR (TI "participant observation") OR (AB "participant observation") OR (TI "action research") OR (AB "action research") OR (TI "content analys*") OR (AB "content analys*") OR (TI "discourse") OR (AB "discourse") OR (TI "narrative analys*") OR (AB "narrative analys*") OR (TI "Narration") OR (AB "Narration") OR (TI "field*") OR (AB "field*") OR (TI "Feminism") OR (AB "Feminism") OR (TI "personal narratives as topic") OR (AB "personal narratives as topic")
#12	#10 OR #11
#13	#3 AND #6 AND #9 AND #12
Filter	From inception to present

#### Example search strategy for Embase

Code	Search Strategy
#1	'Heart Failure'/exp OR 'diastolic heart failure'/exp OR 'systolic heart failure'/exp
#2	'heart fail*':ab,ti OR 'heart insufficien*':ab,ti OR 'heart decompensat*':ab,ti OR 'heart incompeten*':ab,ti OR 'cardiac fail*':ab,ti OR 'cardiac insufficien*':ab,ti OR 'cardiac decompensat*':ab,ti OR 'cardiac incompeten*':ab,ti OR 'myocardial fail*':ab,ti OR 'myocardial decompensat*':ab,ti OR 'myocardial insufficien*':ab,ti OR 'myocardial incompeten*':ab,ti OR 'diastolic heart failure':ab,ti OR 'systolic heart failure':ab,ti
#3	#1 OR #2
#4	'caregiver'/exp OR 'family'/exp

#5	'caregiv*':ab,ti OR 'care-giver*':ab,ti OR 'carer*':ab,ti OR 'care giver*':ab,ti OR 'dependents':ab,ti OR 'family*':ab,ti OR 'families*':ab,ti OR 'son':ab,ti OR 'sons':ab,ti OR 'daughter*':ab,ti OR 'spouse*':ab,ti OR 'partner':ab,ti OR 'husband*':ab,ti OR 'wife':ab,ti OR 'wives':ab,ti OR 'sibling*':ab,ti OR 'grandchild*':ab,ti OR 'parent*':ab,ti OR 'sister':ab,ti OR 'brother*':ab,ti OR 'uncle*':ab,ti OR 'aunt*':ab,ti OR 'niece*':ab,ti OR 'nephew*':ab,ti OR 'cousin*':ab,ti OR 'relatives':ab,ti OR 'kinship':ab,ti OR 'folk*':ab,ti
#6	#4 OR #5
#7	'attitude'/exp OR 'motivation'/exp OR 'experience'/exp OR 'perspective'/exp OR 'preference'/exp OR 'awareness'/exp OR 'insight'/exp OR 'expectation'/exp OR 'beliefs'/exp
#8	'experience*':ab,ti OR 'view*':ab,ti OR 'perspective*':ab,ti OR 'preference*':ab,ti OR 'attitude*':ab,ti OR 'awareness':ab,ti OR 'insight':ab,ti OR 'expectation*':ab,ti OR 'beliefs':ab,ti
#9	#7 OR #8
#10	'qualitative research'/exp OR 'narration'/exp OR 'interview'/exp OR 'ethnography'/exp OR 'thematic analysis'/exp OR 'phenomenology'/exp OR 'descriptive research'/exp OR 'hermeneutics'/exp OR 'content analysis'/exp OR 'discourse analysis'/exp
#11	'qualitative research':ab,ti OR 'qualitative method*':ab,ti OR 'qualitative stud*':ab,ti OR 'interview*':ab,ti OR 'semi-structured':ab,ti OR 'semistructured':ab,ti OR 'unstructured':ab,ti OR 'structured':ab,ti OR 'informal':ab,ti OR 'in-depth':ab,ti OR 'indepth':ab,ti OR 'face-to-face':ab,ti OR 'focus group*':ab,ti OR 'key informant':ab,ti OR 'ethnograph*':ab,ti OR 'thematic analys*':ab,ti OR 'thematic':ab,ti OR 'phenomenol*':ab,ti OR 'grounded theory':ab,ti OR 'grounded stud*':ab,ti OR 'grounded research':ab,ti OR 'grounded analys*':ab,ti OR 'descriptive':ab,ti OR 'interpretive':ab,ti OR 'hermeneutic*':ab,ti OR 'participant observation':ab,ti OR 'action research':ab,ti OR 'content analys*':ab,ti OR 'discourse':ab,ti OR 'narrative analys*':ab,ti OR 'Narration':ab,ti OR 'field*':ab,ti OR 'Feminism':ab,ti OR 'personal narratives as topic':ab,ti
#12	#10 OR #11

#13	#3 AND #6 AND #9 AND #12
Filter	From inception to present

#### Example search strategy for Web of Science

Code	Search Strategy
#1	TS=(Heart Fail* OR Heart Failure, Diastolic OR Heart Failure, Systolic OR heart insufficien* OR heart decompensat* OR heart incompeten* OR cardiac fail* OR cardiac insufficien* OR cardiac decompensat* OR cardiac incompeten* OR myocardial fail* OR myocardial decompensat* OR myocardial insufficien* OR myocardial incompeten*)
#2	TS=(caregiv* OR care-giver* OR carer* OR care giver* OR dependents OR family* OR families* OR son OR sons OR daughter* OR spouse* OR partner OR husband* OR wife OR wives OR sibling* OR grandchild* OR parent* OR sister OR brother* OR uncle* OR aunt* OR niece* OR nephew* OR cousin* OR relatives OR kinship OR folk*)
#3	TS=(experience* OR view* OR perspective* OR preference* OR attitude* OR awareness OR insight OR expectation* OR beliefs)
#4	TS=(qualitative research OR qualitative method* OR qualitative stud* OR interview* OR semi-structured OR semistructured OR unstructured OR structured OR informal OR in-depth OR indepth OR face-to-face OR focus group* OR key informant OR ethnograph* OR thematic analys* OR thematic OR phenomenol* OR grounded theory OR grounded stud* OR grounded research OR grounded analys* OR descriptive OR interpretive OR hermeneutic* OR participant observation OR action research OR content analys* OR discourse OR narrative analys* OR Narration OR field* OR Feminism OR personal narratives as topic
#5	#1 AND #2 AND #3 AND #4
Filter	From inception to present

#### Example search strategy for the Cochrane Library

Code	Search Strategy
#1	MeSH descriptor: [Heart Failure] explode all trees
#2	MeSH descriptor: [Heart Failure, Diastolic] explode all trees
#3	MeSH descriptor: [Heart Failure,systolic] explode all trees
#4	(heart fail*):ti,ab,kw OR (heart insufficien*):ti,ab,kw OR (heart decompensat*):ti,ab,kw OR (heart incompeten*):ti,ab,kw OR (cardiac fail*):ti,ab,kw OR (cardiac insufficien*):ti,ab,kw OR (cardiac decompensat*):ti,ab,kw OR (cardiac incompeten*):ti,ab,kw OR (myocardial fail*):ti,ab,kw OR (myocardial decompensat*):ti,ab,kw OR (myocardial insufficien*):ti,ab,kw OR (myocardial incompeten*):ti,ab,kw OR (heart failure, diastolic ):ti,ab,kw OR (heart failure, systolic):ti,ab,kw
#5	#1 OR #2 OR #3 OR #4
#6	MeSH descriptor: [Caregivers] explode all trees
#7	MeSH descriptor: [Family] explode all trees
#8	(caregiv*):ti,ab,kw OR (care-giver*):ti,ab,kw OR (carer*):ti,ab,kw OR (care giver*):ti,ab,kw OR (dependents):ti,ab,kw OR (family*):ti,ab,kw OR (families*):ti,ab,kw OR (son):ti,ab,kw OR (sons):ti,ab,kw OR (daughter*):ti,ab,kw OR (spouse*):ti,ab,kw OR (partner):ti,ab,kw OR (husband*):ti,ab,kw OR (wife):ti,ab,kw OR (wives):ti,ab,kw OR (sibling*):ti,ab,kw OR (grandchild*):ti,ab,kw OR (parent*):ti,ab,kw OR (sister):ti,ab,kw OR (brother*):ti,ab,kw OR (uncle*):ti,ab,kw OR (aunt*):ti,ab,kw OR (niece*):ti,ab,kw OR (nephew*):ti,ab,kw OR (cousin*):ti,ab,kw OR (relatives):ti,ab,kw OR (kinship):ti,ab,kw OR (folk*):ti,ab,kw

#9	#6 OR #7 OR #8
#10	MeSH descriptor: [Attitude] explode all trees
#11	MeSH descriptor: [Motivation] explode all trees
#12	MeSH descriptor: [Awareness] explode all trees
#13	(experience*):ti,ab,kw OR (view*):ti,ab,kw OR (perspective*):ti,ab,kw OR (preference*):ti,ab,kw OR (attitude*):ti,ab,kw OR (awareness):ti,ab,kw OR (insight):ti,ab,kw OR (expectation*):ti,ab,kw OR (beliefs):ti,ab,kw
#14	#10 OR #11 OR #12 OR #13
#15	MeSH descriptor: [Qualitative Research] explode all trees
#16	MeSH descriptor: [Narration] explode all trees
#17	(qualitative research):ti,ab,kw OR (qualitative method*):ti,ab,kw OR (qualitative stud*):ti,ab,kw OR (interview*):ti,ab,kw OR (semi-structured):ti,ab,kw OR (semistructured):ti,ab,kw OR (unstructured):ti,ab,kw OR (structured):ti,ab,kw OR (informal):ti,ab,kw OR (in-depth):ti,ab,kw OR (indepth):ti,ab,kw OR (face-to-face):ti,ab,kw OR (focus group*):ti,ab,kw OR (key informant):ti,ab,kw OR (ethnograph*):ti,ab,kw OR (thematic analys*):ti,ab,kw OR (thematic):ti,ab,kw OR (phenomenol*):ti,ab,kw OR (grounded theory):ti,ab,kw OR (grounded stud*):ti,ab,kw OR (grounded research):ti,ab,kw OR (grounded analys*):ti,ab,kw OR (descriptive):ti,ab,kw OR (interpretive):ti,ab,kw OR (hermeneutic*):ti,ab,kw OR (participant observation):ti,ab,kw OR (action research):ti,ab,kw OR (content analys*):ti,ab,kw OR (discourse):ti,ab,kw OR (narrative analys*):ti,ab,kw OR (Narration):ti,ab,kw OR (field*):ti,ab,kw OR (Feminism):ti,ab,kw OR (personal narratives as topic):ti,ab,kw

#18	#15 OR #16 OR #17
#19	#5 AND #9 AND #14 AND #18
Filter	From inception to present

**Example search strategy for PsycINFO**

Code	Search Strategy
#1	SU (Heart Fail* OR Heart Failure, Diastolic OR Heart Failure, Systolic OR heart insufficien* OR heart decompensat* OR heart incompeten* OR cardiac fail* OR cardiac insufficien* OR cardiac decompensat* OR cardiac incompeten* OR myocardial fail* OR myocardial decompensat* OR myocardial insufficien* OR myocardial incompeten*)
#2	SU (caregiv* OR care-giver* OR carer* OR care giver* OR dependents OR family* OR families* OR son OR sons OR daughter* OR spouse* OR partner OR husband* OR wife OR wives OR sibling* OR grandchild* OR parent* OR sister OR brother* OR uncle* OR aunt* OR niece* OR nephew* OR cousin* OR relatives OR kinship OR folk*)
#3	SU (experience* OR view* OR perspective* OR preference* OR attitude* OR awareness OR insight OR expectation* OR beliefs)
#4	SU (qualitative research OR qualitative method* OR qualitative stud* OR interview* OR semi-structured OR semistructured OR unstructured OR structured OR informal OR in-depth OR indepth OR face-to-face OR focus group* OR key informant OR ethnograph* OR thematic analys* OR thematic OR phenomenol* OR grounded theory OR grounded stud* OR grounded research OR grounded analys* OR descriptive OR interpretive OR hermeneutic* OR participant observation OR action research OR content analys* OR discourse OR narrative analys* OR Narration OR field* OR Feminism OR personal narratives as topic)
#5	#1 AND #2 AND #3 AND #4
Filter	From inception to present

**Example search strategy for Wan Fang Data**

Code	Search Strategy
#1	主题:("心力衰竭") OR 题名或关键词:("心肌功能衰竭") OR 题名或关键词:("心脏衰竭") OR 题名或关键词:("心肌功能不全") OR 题名或关键词:("心功能不全") OR 题名或关键词:("心脏功能不全") 题名或关键词:("心脏失代偿") OR 题名或关键词:("心肌失代偿") OR 题名或关键词:("心力衰竭")
#2	主题:("照顾者") OR 题名或关键词:("照护者") OR 题名或关键词:("照顾者") OR 题名或关键词:("家庭照护者") OR 题名或关键词:("家属") OR 题名或关键词:("配偶") OR 题名或关键词:("亲属") OR 题名或关键词:("儿子") OR 题名或关键词:("女儿") OR 题名或关键词:("父母") OR 题名或关键词:("伴侣") OR 题名或关键词:("妻子") OR 题名或关键词:("丈夫")
#3	题名或关键词:("认知") OR 题名或关键词:("经历") OR 题名或关键词:("体验") OR 题名或关键词:("感受") OR 题名或关键词:("观点") OR 题名或关键词:("态度")
#4	主题:("质性研究") OR 题名或关键词:("质的研究") OR 题名或关键词:("质性研究") OR 题名或关键词:("定性研究") OR 题名或关键词:("现象学") OR 题名或关键词:("民族志") OR 题名或关键词:("访谈") OR 题名或关键词:("田野研究") OR 题名或关键词:("扎根理论") OR 题名或关键词:("叙事研究") OR 题名或关键词:("行动研究") OR 题名或关键词:("焦点小组") OR 题名或关键词:("人种学") OR 题名或关键词:("主题分析") OR 题名或关键词:("解释学") OR 题名或关键词:("女权主义")
#5	#1 AND #2 AND #3 AND #4
Filter	From inception to present

**Example search strategy for CNKI**

Code	Search Strategy
#1	SU% = '心力衰竭' OR TKA = '心力衰竭' OR SU% = '心肌功能衰竭' OR TKA = '心肌功能衰竭' OR SU% = '心脏衰竭' OR TKA = '心脏衰竭' OR SU% = '心肌功能不全' OR TKA = '心肌功能不全' OR SU% = '心功能不全' OR TKA = '心功能不全' OR SU% = '心脏功能不全' OR TKA = '心脏功能不全' OR SU% = '心脏失代偿' OR TKA = '心脏失代偿' OR SU% = '心肌失

	代偿' OR TKA = '心肌失代偿'
#2	SU% = '照顾者' OR TKA = '照顾者' OR SU% = '照护者' OR TKA = '照护者' OR SU% = '家庭照护者' OR TKA = '家庭照护者' OR SU% = '家属' OR TKA = '家属' OR SU% = '配偶' OR TKA = '配偶' OR SU% = '亲属' OR TKA = '亲属' OR SU% = '女儿' OR TKA = '女儿' OR SU% = '父母' OR TKA = '父母' OR SU% = '叔叔' OR TKA = '叔叔' OR SU% = '姑姑' OR TKA = '姑姑' OR SU% = '侄女' OR TKA = '侄女' OR SU% = '伴侣' OR TKA = '伴侣' OR SU% = '妻子' OR TKA = '妻子' OR SU% = '丈夫' OR TKA = '丈夫' OR SU% = '兄弟' OR TKA = '兄弟'
#3	SU% = '认知' OR TKA = '认知' OR SU% = '经历' OR TKA = '经历' OR SU% = '体验' OR TKA = '体验' OR SU% = '感受' OR TKA = '感受' OR SU% = '观点' OR TKA = '观点' OR SU% = '态度' OR TKA = '态度' OR SU% = '期望' OR TKA = '期望'
#4	SU% = '质性研究' OR TKA = '质性研究' OR SU% = '质的研究' OR TKA = '质的研究' OR SU% = '定性研究' OR TKA = '定性研究' OR SU% = '现象学' OR TKA = '现象学' OR SU% = '民族志' OR TKA = '民族志' OR SU% = '访谈' OR TKA = '访谈' OR SU% = '田野研究' OR TKA = '田野研究' OR SU% = '扎根理论' OR TKA = '扎根理论' OR SU% = '叙事研究' OR TKA = '叙事研究' OR SU% = '行动研究' OR TKA = '行动研究' OR SU% = '焦点小组' OR TKA = '焦点小组' OR SU% = '人种学' OR TKA = '人种学' OR SU% = '主题分析' OR TKA = '主题分析' OR SU% = '解释学' OR TKA = '解释学' OR SU% = '女权主义' OR TKA = '女权主义'
#5	#1 AND #2 AND #3 AND #4
Filter	From inception to present

#### Example search strategy for CQVIP

Code	Search Strategy
#1	R=(心力衰竭 OR 心肌功能衰竭 OR 心脏衰竭 OR 心肌功能不全 OR 心功能不全 OR 心脏功能不全 OR 心脏失代偿 OR 心肌失代偿)
#2	M=(心力衰竭 OR 心肌功能衰竭 OR 心脏衰竭 OR 心肌功能不全 OR 心功能不全 OR 心脏功能不全 OR 心脏失代偿 OR 心肌失代偿)

#3	#1 OR #2
#4	R=(照顾者 OR 照护者 OR 家庭照护者 OR 家属 OR 配偶 OR 亲属 OR 女儿 OR 父母 OR 叔叔 OR 姑姑 OR 侄女 OR 伴侣 OR 妻子 OR 丈夫 OR 兄弟)
#5	M=(照顾者 OR 照护者 OR 家庭照护者 OR 家属 OR 配偶 OR 亲属 OR 女儿 OR 父母 OR 叔叔 OR 姑姑 OR 侄女 OR 伴侣 OR 妻子 OR 丈夫 OR 兄弟)
#6	#4 OR #5
#7	R=(认知 OR 经历 OR 体验 OR 感受 OR 观点 OR 态度 OR 期望)
#8	M=(认知 OR 经历 OR 体验 OR 感受 OR 观点 OR 态度 OR 期望)
#9	#7 OR #8
#10	R=(质性研究 OR 质的研究 OR 定性研究 OR 现象学 OR 民族志 OR 访谈 OR 田野研究 OR 扎根理论 OR 叙事研究 OR 行动研究 OR 焦点小组 OR 人种学 OR 主题分析 OR 解释学 OR 女权主义)
#11	M=(质性研究 OR 质的研究 OR 定性研究 OR 现象学 OR 民族志 OR 访谈 OR 田野研究 OR 扎根理论 OR 叙事研究 OR 行动研究 OR 焦点小组 OR 人种学 OR 主题分析 OR 解释学 OR 女权主义)
#12	#10 OR #11
#13	#3 AND #6 AND #9 AND #12
Filter	From inception to present

#### Example search strategy for CBM

Code	Search Strategy
#1	"心力衰竭"[常用字段:智能] OR "心肌功能衰竭"[常用字段:智能] OR "心脏衰竭"[常用字段:智能] OR "心肌功能不全"[常用字段:智能] OR "心功能不全"[常用字段:智能] OR "心脏功能不全"[常用字段:智能] OR "心脏失代偿"[常用字段:智能] OR "心肌失代偿"[常用字段:智能]

#2	"照顾者"[常用字段:智能] OR "照护者"[常用字段:智能] OR "家庭照护者"[常用字段:智能] OR "家属"[常用字段:智能] OR "配偶"[常用字段:智能] OR "亲属"[常用字段:智能] OR "女儿"[常用字段:智能] OR "父母"[常用字段:智能] OR "叔叔"[常用字段:智能] OR "姑姑"[常用字段:智能] OR "侄女"[常用字段:智能] OR "伴侣"[常用字段:智能] OR "妻子"[常用字段:智能] OR "丈夫"[常用字段:智能] OR "兄弟"[常用字段:智能]
#3	"认知"[常用字段:智能] OR "经历"[常用字段:智能] OR "体验"[常用字段:智能] OR "感受"[常用字段:智能] OR "观点"[常用字段:智能] OR "态度"[常用字段:智能] OR "期望"[常用字段:智能]
#4	"质性研究"[常用字段:智能] OR "定性研究"[常用字段:智能] OR "现象学"[常用字段:智能] OR "质的研究"[常用字段:智能] OR "民族志"[常用字段:智能] OR "访谈"[常用字段:智能] OR "田野研究"[常用字段:智能] OR "扎根理论"[常用字段:智能] OR "叙事研究"[常用字段:智能] OR "行动研究"[常用字段:智能] OR "焦点小组"[常用字段:智能] OR "人种学"[常用字段:智能] OR "主题分析"[常用字段:智能] OR "解释学"[常用字段:智能] OR "女权主义"[常用字段:智能]
#5	#1 AND #2 AND #3 AND #4
Filter	From inception to present

#### Example search strategy for Open Grey

Code	Search Strategy
#1	("Heart Fail*" OR "heart insufficien*" OR "heart decompensat*" ) AND ("caregiv*" OR "carer*" OR "family*" OR "spouse*" OR "partner" OR "relatives") AND ("experience*" OR "view*" OR "perspective*" OR "attitude*" ) AND ("qualitative research" OR "key informant" OR "ethnograph*" OR "thematic" OR "phenomenol*" OR "grounded theory" OR "descriptive" OR "interpretive" OR "hermeneutic*" OR "participant observation" OR "action research" OR "content analys*" OR "discourse" OR "narrative analys*" OR "Narration" OR "field*" OR "Feminism" )
Filter	From inception to present

**Example search strategy for Deep Blue Library**

Code	Search Strategy
#1	(Heart Fail* OR heart insufficien*) AND (caregiv* OR carer* OR family* OR spouse* OR relatives OR partner OR relatives) AND (experience* OR view* OR perspective* OR attitude*) AND (qualitative research OR ethnograph* OR thematic OR phenomenol* OR grounded theory OR descriptive OR interpretive OR hermeneutic* OR content analys* OR discourse OR narrative analys* OR Narration OR field* OR Feminism)
Filter	From inception to present

## Appendix II : The JBI critical appraisal checklist for qualitative research

### JBI Critical Appraisal Checklist for Qualitative Research

Reviewer \_\_\_\_\_ Date \_\_\_\_\_

	Author _____	Year _____	Record Number _____			
			Yes	No	Unclear	Not applicable
1.	Is there congruity between the stated philosophical perspective and the research methodology?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.	Is there congruity between the research methodology and the research question or objectives?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.	Is there congruity between the research methodology and the methods used to collect data?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.	Is there congruity between the research methodology and the representation and analysis of data?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.	Is there congruity between the research methodology and the interpretation of results?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.	Is there a statement locating the researcher culturally or theoretically?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7.	Is the influence of the researcher on the research, and vice-versa, addressed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8.	Are participants, and their voices, adequately represented?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9.	Is the research ethical according to current criteria or, for recent studies, and is there evidence of ethical approval by an appropriate body?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
10.	Do the conclusions drawn in the research report flow from the analysis, or interpretation, of the data?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Overall appraisal:    Include     Exclude     Seek further info

Comments (Including reason for exclusion)

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**Appendix III: The standardized JBI Qualitative Data Extraction Tool for Qualitative Research****JBI QARI Data Extraction Tool for Qualitative Research**

Reviewer \_\_\_\_\_ Date \_\_\_\_\_

Author \_\_\_\_\_ Year \_\_\_\_\_

Journal \_\_\_\_\_ Record Number \_\_\_\_\_

**Study Description**Methodology|  
\_\_\_\_\_  
\_\_\_\_\_Method  
\_\_\_\_\_  
\_\_\_\_\_Phenomena of interest  
\_\_\_\_\_  
\_\_\_\_\_Setting  
\_\_\_\_\_  
\_\_\_\_\_Geographical  
\_\_\_\_\_  
\_\_\_\_\_Cultural  
\_\_\_\_\_  
\_\_\_\_\_Participants  
\_\_\_\_\_  
\_\_\_\_\_Data analysis  
\_\_\_\_\_  
\_\_\_\_\_Authors conclusions  
\_\_\_\_\_  
\_\_\_\_\_Comments  
\_\_\_\_\_  
\_\_\_\_\_

Complete

Yes No 

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