Qualitative research in rheumatology: an overview of methods and contributions to practice and policy

Authors

Ayano Kelly, MBBS, FRACP 1,2,3,4

Kathleen Tymms, MBBS, FRACP 1,3,4

Kieran Fallon, FACSEP1,4

Daniel Sumpton, MBBS, FRACP 2,5,6

Peter Tugwell, MD⁷

David Tunnicliffe, PhD^{2,5}

Allison Tong, PhD^{2,5}

Author affiliations

- College of Health and Medicine, Australian National University, Canberra, ACT, Australia
- 2. Centre for Kidney Research, The Children's Hospital at Westmead, Sydney, NSW, Australia
- 3. Canberra Rheumatology, Canberra, ACT, Australia
- 4. Department of Rheumatology, The Canberra Hospital, Canberra, ACT, Australia
- 5. Sydney School of Public Health, The University of Sydney, Sydney, NSW, Australia
- 6. Department of Rheumatology, Concord Hospital, Sydney, NSW, Australia
- 7. Department of Medicine, University of Ottawa, Ottawa, Ontario, Canada

Corresponding author

Dr Ayano Kelly

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Tel: +61415641166

Address: Centre for Kidney Research, The Children's Hospital at Westmead, Corner

Hawkesbury Rd & Hainsworth St, Westmead NSW 2145, Australia

Email: Ayano.Kelly@anu.edu.au

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Abstract

Patient-centred care is widely advocated in rheumatology. This involves collaboration among patients, caregivers and health professionals and is particularly important in chronic rheumatic conditions because the disease and treatment can impair patients' health and wellbeing. Qualitative research can systematically generate insights about people's experiences, beliefs and attitudes which patients may not always express in clinical settings. These insights can address complex and challenging areas in rheumatology such as treatment adherence and transition to adult healthcare services. Despite this, qualitative research comprises one per cent of studies published in top-tier rheumatology journals. A better understanding about the impact and role, methods and rigor of qualitative research is needed. This overview highlights recent contributions of qualitative research in rheumatology, summarizes common approaches and methods used, and outlines key principles to guide appraisal of qualitative studies.

Keywords

Qualitative research

Focus groups

Semi-structured interviews

Research design

Research methodology

Introduction

The need for patient-centred care is widely recognized in rheumatology, with shared decision-making being one of the cornerstone attributes in this paradigm (1-3). Clinical guidelines for rheumatic conditions have consistently emphasized that decision-making should explicitly consider the patients' values, preferences and needs (3-5). In addition, the World Health Organisation recommends that qualitative evidence is incorporated into the development of guidelines (6). This is particularly relevant because the interventions for patients with rheumatic conditions may have associated risks of complications and side-effects, and other impacts on the social, work-related and personal facets of their lives. Evidence on patients' experiences, attitudes and goals is thus needed to inform practice and policy.

Qualitative research methods can generate rich and detailed data to provide explanations and insights into the complexity of human behaviour and decision-making (7). Qualitative methods are used to generate hypotheses and address questions of 'how' and 'why'; whereas quantitative research methods are usually designed to test a hypothesis, and to answer questions of 'how much' or 'how often' (8, 9). Over the past decade, there appears to have been a growing number of publications of qualitative studies in biomedical journals across medical specialties, including rheumatology (10-13) (Table S1). However, qualitative studies remain a small percentage of published rheumatology research.

Between January 2015 to December 2019, qualitative studies comprised only 94 (1%) of the 8,484 original research articles published in the ten rheumatology journals with the highest impact factors in 2018 [Journal Citation Reports Social Science Edition (Clarivate Analytics,

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2018)] (Annals of the Rheumatic Diseases, Arthritis & Rheumatology, Rheumatology, Seminars in Arthritis and Rheumatism, Therapeutic Advances in Musculoskeletal Disease, Osteoarthritis and Cartilage, Arthritis Care & Research, Arthritis Research & Therapy, Current Rheumatology Reports and Journal of Rheumatology. Only journals that publish original research articles have been listed.) (Table S1) In part, this may be because health professionals and researchers have little training and experience in conducting and appraising qualitative research methods or are uncertain as to how it can inform or impact upon practice and policy (14).

This overview will highlight recent contributions of qualitative research to care and policy in rheumatology and introduce qualitative research, including key approaches and appraisal of qualitative work.

Contributions of qualitative research to clinical practice and policy

In this section, we summarize the insights that qualitative studies have provided in clinically-relevant areas affecting multiple rheumatic conditions in adult and pediatric rheumatology: medication adherence, transition from pediatric to adult care and the experience and management of fatigue. We have also summarized additional, selected qualitative studies in selected rheumatic conditions (gout, rheumatoid arthritis, systemic lupus erythematosus) that are commonly managed by health professionals in rheumatology in Table 1.

Medication adherence

Non-adherence to medications is common across many rheumatic conditions with consequent impacts on patient morbidity and even mortality (15-18). Qualitative studies have been conducted in patients with rheumatic conditions to elucidate their experiences of and attitudes towards medications (19, 20). For example, patients with inflammatory arthritis are motivated to take disease modifying anti-rheumatic drugs in an attempt to return to their normal life and avoid future disability, though many often view their medications as a "necessary evil" with "toxic" side effects and uncertain efficacy (19, 21, 22). Medications may be perceived as a confronting reminder of their sickness and a threat to their health and well-being (19, 21, 23). For this reason, patients may decide not to take medications in order to regain control of their health and minimize lifestyle intrusions (23, 24). Patients can also be overwhelmed by the burden of deciphering multiple and sometimes conflicting information sources in order to make informed decisions about medications (19, 23, 25, 26). Studies have suggested that physicians can mitigate fears by facilitating shared decisionmaking and providing a supportive environment that allows them to voice their concerns about their medications (19, 26-28).

Transition from pediatric to adult healthcare

As young patients with rheumatic conditions transition from pediatric to adult care they must establish relationships with new clinicians, navigate different health care facilities and an adult model of care during a turbulent time of physical, social, vocational and psychological growth and change (29, 30). This is particularly relevant in rheumatology as many young people with juvenile-onset rheumatic diseases continue to have disease activity or significant sequelae in adult life (31). Qualitative studies in adolescents transitioning to adult rheumatology care highlight the challenges they face. They describe feeling abandoned and

ill-prepared to face a health care setting that is perceived to be sterile, de-personalized and uninviting (32-34). The transition process could be isolating if healthcare staff in the adult clinic focused only on medical aspects of care, with little consideration of psychosocial impacts of the condition (32, 35, 36). Patients can feel overwhelmed by the expectations to attend clinic appointment without their parents or to handover their own clinical information to new adult providers (34). In contrast, they felt more confident and secure when given an opportunity to become familiar with the adult physician and clinic, if information on the patient's knowledge and understanding of their disease was clarified, documented and handed over, and if they had the support of a specialist nurse in an adult clinic (30, 35). Patients undergoing transition to adult care appreciated a flexible approach that was tailored to their willingness and ability to take on more responsibilities and involvement in adult care (34, 35). Qualitative research has been used to help design and evaluate a transitional care program that incorporates the need for gradual and prepared transfer, regulated parental involvement and an adapted setting for adolescents (34, 37). Qualitative studies demonstrate the importance of transitional care programs to include familiarization, joint clinics, nursing support, adequate transfer of information and the provision of care that addresses the psychosocial priorities of young people.

Experience and management of fatigue

Fatigue is a common and debilitating symptom, and is of high priority to patients with rheumatoid arthritis (RA) (38). Previously it was rarely addressed in clinical practice as a treatment target in long-term care of patients with RA (39). However, in the last few years rheumatologists have become more aware of fatigue in the clinical setting for example with the increasing use of patient-reported outcomes that evaluate fatigue (40). A semi-structured

interview study with patients with RA found that fatigue permeated multiple aspects of life including work, leisure, family roles and led to feelings of uselessness and loss of self-esteem (41). The frustration, irritability and loss of control from fatigue negatively impacted on relationships. Fatigue was overwhelming, unpredictable and much more intense than the tiredness they felt prior to the onset of RA. Participants felt their fatigue was dismissed by health professionals, assumed that it was not treatable and that they had to manage it on their own. The findings from this study were used to develop a conceptual model of fatigue (42), a patient-reported outcome measure for fatigue (43), and a randomized controlled trial of cognitive behavioural approaches taught to nurses and occupational therapists in rheumatology care teams in order to improve fatigue (44). These studies highlighted the need for health professionals to address fatigue and ways to involve a multi-disciplinary team in supporting patients with this debilitating symptom.

Common approaches and methods used in qualitative health research

Qualitative research is inherently subjective as the purpose is to elicit opinions and understand human behaviour. The data are co-constructed between the researcher and participants. Theory may be used to inform the design and approach of the study. For some approaches, including grounded theory, the study is designed to generate theory from the findings. There are several specific approaches (i.e. strategies of inquiry, theoretical frameworks) that are used as a basis of conducting qualitative research (45, 46). These approaches can guide the procedures for participant selection, data collection and analysis. Although many approaches exist, five of the most common approaches in health research (47) are grounded theory (48), ethnography (49, 50), phenomenology (51-53), case studies (54), and narrative research (55). The differences in these approaches are summarized in

Figure 1 with illustrative examples of qualitative research in rheumatology (56-60). General characteristics of participant selection, data collection and data analysis that can apply to several qualitative approaches are described below. Researchers may design their study based on a single specific qualitative approach, or not specify a single approach but still use procedures that may be encountered within multiple approaches (45). Qualitative methods can also be used as part of mixed methods research and is discussed below.

Participant selection

Qualitative research typically involves an in-depth inquiry within a selected population. Purposive sampling is often used, which involves selecting participants who are relevant to the research question with the aim of including a diversity of relevant perspectives (8). Other sampling strategies include snowballing, which requires participants to identify other potential participants (61). This approach may be useful for including individuals who are hard to access, or with specific expertise or divergent opinions. These sampling methods are preferred to convenience sampling, which involves recruiting participants who are the most easily accessible (8) (e.g. consecutive patients from a single rheumatology clinic who are willing to participate in the study), because it is less likely to capture a broad range of perspectives.

Sample sizes are guided by the methodological approach, study design, participant population, research question and available resources. As a guide, semi-structured interview studies may have 30-60 participants depending on the amount of data obtained per interview (62). In grounded theory, 20-30 participants of each population included in the study is generally reported to be adequate. For phenomenological studies that require interviewing

each person multiple times, 6-10 participants may be sufficient (62). For focus groups 6 to 8 participants is recommended to optimize group interaction, with 3 to 5 groups for each characteristic of interest (e.g. based on a clinical diagnosis) (63). Rather than having prespecified sample sizes, recruitment in qualitative research may cease when saturation is achieved (61). This is defined as when the collection and analysis of new data no longer elicits new insights.

Data collection

Semi-structured interviews and focus groups are commonly used in qualitative health research (64). These methods are effective in eliciting individual experiences, preferences and values to inform clinical practice. Focus groups capitalize on group interaction and allow participants to talk to each other, compare points of view, brainstorm ideas, and can be used to capture interpersonal language, culture and dynamics (8, 64). The facilitator keeps the group on task, asks probing questions, and encourages participation of all members of the focus group. Semi-structured interviews may be particularly useful when discussing sensitive issues or if participants are concerned about maintaining their confidentiality (64). The interview guide includes open-ended questions pertinent to the research questions (64). The guide is designed to encourage participants to openly pursue their perspectives in detail. Audio or visual recording and transcription of interviews and focus groups ensures that data is comprehensively captured for further analysis and can be complemented by field notes that capture contextual details, non-verbal communication and interactions within a group setting as well as initial reflections of the qualitative researcher (8).

Data may also be collected through observations or documents. Observations are a way of gathering data by systematically watching events and people to study their relationships and routine behaviours and is frequently applied in studies using ethnographic methodology (64). In qualitative health research this is particularly suited to understand how organizations work or how different members in the healthcare environment interact with each other (64). Observations may be covert or overt, and may involve the researcher as a participant or non-participant in the environment (64). Documents include printed and electronic material such as diaries, newspaper articles and organizational and institutional reports. These may be used for historical or policy studies or to evaluate health care organizations or programs (8, 65).

Data analysis

The analysis of qualitative data generally seeks to develop a comprehensive understanding and description of the phenomenon being investigated. The output of qualitative research differs depending on the methodology. For example, thematic analysis will yield themes (patterns of shared meaning that together give a comprehensive picture of the population of interest's experience) (66), ethnographic studies are designed to provide insights into the behaviours and perceptions of a sociocultural group (49), phenomenology seeks to describe a phenomenon from the lived experience of individuals (67) and grounded theory develops a theory arising from the data (48). The processes used in qualitative data analysis involve data reduction (by coding and identifying meaningful sections of the data into labels), data organization (in which codes are collected and sorted) and interpretation (where data are analysed to understand meaning, and codes are categorized, compared and emerging themes or theories are developed) (64). Data analysis should be an iterative process which involves

cycles of data collection, analysis and then resumption of data collection again to further explore and challenge emerging themes or theories (61).

Qualitative analysis software manages qualitative data and provides efficient methods for storing, organizing and retrieving qualitative data (8). These programs however, cannot conduct the analysis of the data. Investigators must create their own codes and interpret their data. The interpretive nature of qualitative research inevitably means that the researcher's background, knowledge and values can influence the analysis of the data. Several methods can be used to ensure the results accurately reflect the spectrum of the participants' perspective. These include member checking (sharing preliminary findings with participants to check whether their viewpoints are accurately captured), investigator triangulation (incorporating input from team members in the analysis, especially from different backgrounds) and reflexivity (reflecting on personal experiences and biases using a diary or field notes in relation to the data analysis) (8, 61).

Combining qualitative and quantitative research methods

A study may also use a mixed methods approach, which is a distinct research methodology where both qualitative and quantitative data are collected. Mixed methods research requires an integrated analysis and the use of rigorous qualitative and quantitative research methods (68). Mixed methods research can be classified into three core mixed methods designs: convergent (where qualitative and quantitative data are collected and analysed simultaneously within a single phase) (69-71); sequential explanatory (where quantitative data is collected first, then qualitative data collected to explain the quantitative findings) (72); and sequential exploratory (where qualitative data is collected, a feature such as a new

instrument or intervention is built, and then the feature is tested quantitatively) (43, 73, 74). These core mixed methods designs can be built into more complex research designs such as within a randomized controlled trial (41, 44, 75, 76) and is recommended for process evaluations of complex interventions (77). Before a trial, qualitative studies could generate hypotheses for examination, help develop and refine the intervention or outcome measures (80, 81) or enhance patient recruitment (82, 83). During a trial, qualitative methods could examine whether the intervention was delivered as intended, explore the participants' responses to the intervention and understand processes of implementation and change. After a trial, qualitative research can explain reasons for positive or negative findings of the trial, variations in effectiveness amongst trial participants, assess the acceptability of the intervention or be used to generate further questions or hypotheses (84).

Reporting and appraisal of qualitative research

The Enhancing Quality of Transparency of Health Research (EQUATOR) network recommends using the Consolidated Criteria for Reporting Qualitative Health Research (COREQ) as a guideline for reporting of qualitative research using interviews and focus groups (85). There are several other guides available for the conduct and evaluation of qualitative research (8, 61, 64, 85-87) including the American Psychological Association's Journal Article Reporting Standards for Qualitative Research (JARS-Qual) (88) which also provides guidance on how to structure a qualitative manuscript. However, the appraisal of qualitative research remains contentious, and there is debate as to how and even whether quality can be legitimately judged (64, 89, 90). There is no empirical evidence to indicate which criteria are critical and how to assess them (64, 90). The framework by Lincoln and Guba, addresses the rigor of qualitative research based on four criteria: credibility,

confirmability, dependability and transferability (91). The links between the COREQ reporting items and these constructs of rigor are shown in Table 2.

Credibility – Are the findings trustworthy?

Credibility refers to having confidence in the truth of the findings (analogous to internal validity in quantitative research) (87). Readers may be confident that the findings are a credible if the researcher provides a comprehensive and sensible explanation of the data. Comprehensiveness includes ensuring that the true breadth and depth of the phenomena in question were explored. Breadth of data can be captured using purposive sampling, continuing to sample until data saturation and the final sample size. Depth of data may be gauged by reviewing the question guide and duration of the interview or focus group to determine if they allow the participant to discuss the topic of interest in detail, and whether efforts were made to provide a setting that allowed participants to feel comfortable to express their opinions. In addition, triangulation in qualitative research allows a generation of deeper and richer insights. This includes using multiple data sources (data triangulation), data collection methods (data triangulation) or involving multiple researchers (investigator triangulation) in the analysis of data (8). Involving multiple researchers in coding can ensure that findings adequately capture all aspects of the data. A clear and insightful presentation of major and minor themes provides a final check on the comprehensiveness of data findings. Member checking allows participants to provide feedback on preliminary findings and ensures that findings are a sensible interpretation of their experiences.

Confirmability – Are the findings linked to the data?

Confirmability refers to the extent to which findings of the study are shaped by the data and are not a misinterpretation of findings by the researcher (analogous to objectivity in quantitative research) (87). This can be demonstrated by showing raw data such as quotations and linking them to findings from the study. The researcher may describe self-reflexivity whereby they recognize and reduce any undue influences on their interpretations of the data. Interpretations of data can also be confirmed using multiple data coders, triangulation and member checking, as noted in relation to credibility (87).

Dependability – Is the process auditable?

Dependability is analogous to reliability in quantitative research (87). Due to the nature of qualitative research it is not possible for another researcher to fully replicate a qualitative study. However, a rigorous and systematic approach to qualitative research can be followed with a coherent link formed between the findings and methods used in the study. Audio or video recordings, transcription of data and the use of qualitative software for coding allows transparent and auditable documentation of the research process (8). The raw data and analysis can thus be reviewed by others.

Transferability – Are the findings relevant to other contexts?

Transferability describes the degree to which themes or concepts from a qualitative study can be applicable to other contexts (analogous to external validity in quantitative research) (87). By providing details about participants' characteristics and study setting in enough detail (termed 'thick description'), readers of qualitative research can determine whether the findings may be applicable to their own setting. In addition, comparing the results of the

study with other studies in different populations or to existing theory can also help demonstrate the broader relevance of the study findings.

Conclusions

Qualitative studies have the potential to generate a deep understanding of people's experiences, motivations, beliefs, goals, expectations and needs. In rheumatology, evidence from qualitative studies has made a unique and valuable contribution to practice and policy. Qualitative research can be systematic, rigorous, and evaluated using the principles of credibility, confirmability, dependability and transferability. We suggest that further qualitative research is needed in rheumatology to address evidence gaps regarding patient priorities in the management of rare rheumatic conditions, co-ordination and integration of care amongst health care professionals and education about psychosocial impacts of disease. Incorporating insights from qualitative studies into clinical care, policies and trials can help promote patient-centred care to improve outcomes for patients with rheumatic conditions.

Tables and figures

- **Table 1.** Examples of qualitative studies in rheumatology
- **Table 2.** Appraisal of qualitative studies
- Figure 1. Five key qualitative approaches used in health research

Supplementary material

Table S1. Qualitative research in the top ten rheumatology journals by impact factor

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 Table 1 Selected examples of qualitative studies in rheumatology

	Reference	Topic	Approach	Data collection	Data analysis	Main findings	Implications for clinical care or policy
finl	Singh et al. (13)	Gout self- management among African American male veterans with high medication adherence	NR	Semi-structured interviews	Thematic analysis and content analysis	Fear of the severe and debilitating pain of gout and self-confidence from having a military-like discipline helped veterans adhere to medications and lifestyle changes. Maintaining a positive outlook and accepting the diagnosis of gout allowed participants to embrace changes in their daily routines.	Emphasizing self-discipline, positivity and disease acceptance through patient narratives could facilitate better gout-self management.
A Anthon A	Flurey et al. (14)	Experiences and coping styles of men with RA	NR	Focus groups	Thematic analysis	Men with RA felt angry, embarrassed and helpless by their reduction in strength, ability to work, perform household duties or play with children. Participants coped by being stoic or reacted by engaging in destructive behaviours, withdrawing and concealing their arthritis.	Health professionals should ask men explicitly about their psychological and emotional well-being and be aware that RA can threaten masculine roles and identity. Support could take the form of purposeful information-oriented sessions with other patients with RA.
	Hart et al. (15)	How young people (aged 16- 25) with inflammatory arthritis evaluate the risks and benefits of treatment	Grounded theory	Semi-structured interviews, recorded consultations, focus groups	Grounded theory analysis	Young people aspired to live a "normal" life. However, treatment schedules and side effects could be highly intrusive, diminish well-being, and compound feelings of being different. Changes to treatment could force young people to confront their illness and heighten distress about uncertainties of the future. Participants wished for a relatively simple and stable treatment regimen that improved symptoms and had side effects that posed minimal restrictions.	Health professionals should elicit young people's priorities and concerns regarding their treatment and address the impact of treatment on their ideas of a "normal" life such as relationships, education, work and physical appearance.
	Shaw et al. (16)	The development of resilience among patients with RA	Ethnography/ Narrative inquiry	Semi-structured interviews and observations of participants' living environment and routines Downl	Narrative analysis oaded on April 1	Resilience was cultivated through internally directed emotional management strategies and externally directed behaviours. This included adopting a mindset of being in control of their RA, remaining calm during challenges such as medication-related complications, and positive reframing and focus on abilities rather than limitations. Offering support to others through community service, engaging in enjoyable hobbies and activities, or using humour in social interactions about Oi2024 of posed with RA affected patients to feel valuable, satisfied and connected to others.	Behavioural interventions or social support programs can promote resilience by utilizing externally and internally directed management strategies identified in the study.

	Reference	Topic	Approach	Data collection	Data analysis	Main findings	Implications for clinical care or policy
	Tunnicliffe et al. (17)	Healthcare and research priorities of adolescent and young adults with SLE	Mixed methods study	Semi-structured interviews and focus groups	Thematic analysis, descriptive statistics for votes	Service shortfalls including timely diagnosis of SLE worsened symptoms and caused anxiety, lack of culturally relevant educational materials made it difficult for participants to understand and explain their illness to family and friends. Participants strongly emphasized the impact of SLE on psychological health including reduced self-esteem, social withdrawal and fear of being unable to achieve future vocational and family goals. Participants also wanted to reduce the psychological, emotional and financial burden SLE imposed on their family, friends and other patients with life disrupting manifestations of SLE.	Research and clinical resource allocation should address gaps in service provision and incorporate strategies to alleviate anxiety and efficient use of resources to minimize the impact of SLE on family, friends as well as the wider population of patients with SLE.
<	Sumpton et al. (18)	Patients' perspectives of systemic sclerosis	NR	Semi-structured interviews	Thematic analysis	Systemic sclerosis imposes major physical and social restrictions that impair patients' identity and self-esteem. Insecurities and anxiety in care arise from ambiguities about the cause, diagnosis and prognosis of the disease.	Clinical care for patients with systemic sclerosis can be optimized by providing psychosocial care and improving communication and education around the concerns regarding disease prognosis and management.
	Hewlett et al. (19)	RA patients' perspectives of flare	NR	Focus groups	Thematic analysis	Flare incorporated an individual cluster of symptoms including severe, unrelenting and multi-joint pain, dramatic and extreme level of stiffness, fatigue that was unlike normal RA fatigue, systemic flu-like symptoms and cognitive shut down. The symptoms profoundly compromised simple daily functions and caused emotional distress to the point of wanting to cut off joints or die for some. Patients increased their usual level of self-management and would seek professional help when they were still unable to control their multiple symptoms or run their normal lives.	Assessment of flare that includes these patient experiences can help patients and clinicians recognize early warning signs and enhance communication between patients and professionals.

NR, Not reported; RA, Rheumatoid arthritis; SLE, Systemic lupus erythematosus

Table 2. Appraisal of qualitative studies

Qualitative criteria	Quantitative criteria	Aspect of quality	Examples from COREQ domains and items
Credibility: Are the findings trustworthy?	Internal validity	Truth value	Purposive sampling Data saturation Final sample size Interview guide Duration Repeat interviews Setting of data collection Relationship with participant Presence of non-participants Multiple data coders Participant checking Clarity of themes
Confirmability: Are the findings linked to the data?	Objectivity	Neutrality	Reflexivity Multiple data coders Participant checking Quotations Data and findings consistent
Dependability: Is the process auditable?	Reliability	Consistency	Audio/Visual recording Transcription Description of coding tree Software
Transferability: Are the findings relevant to other contexts?	Generalisability	Applicability	Thick description of sample and setting of data collection

Table 2. Appraisal of qualitative studies using the Lincoln and Guba framework linked to examples from Consolidated Criteria for Reporting Qualitative Health Research (COREQ) items.

	Description	Participant selection	Data collection	Data analysis	- pj Page 30 of≩0
Grounded theory	Develops a theory of a process or action grounded in the data	Theoretical sampling	Typically interviews	Iterative data collection, analysis and memoing (of ideas). Constant comparison (of collected data with emerging theories). Can be structured (e.g. open, axial and selective coding).	Health care access of Aboriginal people with arthritis (56)
Ethnography	Describes shared patterns of behaviours, beliefs, language of a sociocultural group	Individuals in a socio- cultural group, often via gatekeepers/key informants	Extensive fieldwork, typically involving observations and interviews	Description of the socio-cultural group, thematic analysis of how the group works and lives, and an overall picture of how the system works.	Physician-patient biologic initiation conversations (%)
Phenomenology	Identifies the essence of the lived human experience of a phenomenon	Several individuals with the lived experience of a phenomenon	Typically in-depth and repeated individual interviews	Narrow units (significant statements), broader units (meaning clusters), then detailed description of the experience and essence of the phenomenon.	Complementary therapies in rheumatoid arthritis (58)
Case studies	Detailed exploration of one or more cases (e.g. individuals, programs)	Typically current, real- life case(s) within a specific time and place	Multiple forms of data (e.g. interviews, observations, documents) Downloaded on April 10	Single or multiple case analysis. Case description and case themes. 2024 from www.jrheum.org	Occupational therapy in mothers with arthritis (59)
Narrative research	Tells the stories of one or more individuals	One or more individuals who have life experiences or stories to share	In-depth interviews and other data (e.g. diaries, letters, documents)	Chronological restorying (reorganising). Context of culture/history provided. Collaborative approach with participant.	Engagement in occupations in rheumatoid arthritis (60)