

Qualitative Health Research

In pursuit of a person-centred approach to care delivery: A qualitative descriptive study of the patient experience of a long-term conditions clinic in general practice.

Journal:	<i>Qualitative Health Research</i>
Manuscript ID	QHR-2023-0758.R3
Manuscript Type:	Research Article
Keywords:	patient experience, multimorbidity, person-centred care, qualitative description, framework analysis, long-term conditions
Methods:	Qualitative Methods < Research Design, Interviews < Research Strategies
Regions, Cultures, and Peoples:	Britain < Western Europe < Europe, Europeans

SCHOLARONE™
Manuscripts

Wilson G, Hutchison JS. In Pursuit of a Person-Centered Approach to Care Delivery: A Qualitative Descriptive Study of the Patient Experience of a Long-Term Conditions Clinic in General Practice. *Qualitative Health Research*. Copyright © 2024 The Author(s). DOI: <https://doi.org/10.1177/10497323241272003>

Table 1: Five stages of framework analysis undertaken.

Familiarisation	The researchers (GW and JH) independently listened to the audiotapes and read the interview transcripts and fieldnotes multiple times. They immersed themselves in the data, making note of key ideas, anything of potential significance, and any initial recurrent themes that emerged.
Identifying a thematic framework	GW and JH compared and agreed the emerging themes and sub-themes. This included some themes from the a priori issues and interview topic guide, but themes were also developed inductively from the data itself. These became the basis of the thematic framework which was formulated into a numerical system for convenience.
Indexing	Transcripts were revisited and sections of the data were identified that corresponded to a particular framework theme. Data were labelled with the relevant number from the thematic framework. GW and JH divided the transcripts between them to apply the thematic framework. Afterwards, they reviewed each other's labelling and any disagreements were resolved through discussion (Malterud, 2001).
Charting	Specific pieces of data identified through indexing were organised into thematic charts in a matrix format. Charts were ordered into rows and columns populated by participants (cases) and framework themes. The participant's responses were entered under the relevant heading – using either key words, paraphrases or snippets of data as an aide memoire.
Mapping and interpretation	The researchers attempted to develop and refine categories, looking for patterns and associations in the data. At this stage of the analysis, they assigned 136 categories. After examining for meaning, repetition, similarities and associations, the categories were narrowed down to a total of 49. This led to the final identification of four key themes. Through this systematic process the researchers were able to revisit the transcripts to check the supporting quotations truly reflected/supported the identified themes

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60

Gender	Male n=5	Female n=7	
Ethnicity	White and English n=11	Not stated n=1	
Number LTC	Two LTCs n=5	Three LTCs n=7	
Years living with LTCs	4-10 yrs n=3	11-20 yrs n=6	21-40yrs n=3
Employment status	Self-employed n=1	Retired n=10	Unable to work n=1
<p>LTC included - type 2 diabetes, chronic obstructive pulmonary disease, stroke, hypertension, rheumatoid arthritis, ischemic heart disease, atrial fibrillation.</p> <p>n = number of participants</p>			

In pursuit of a person-centred approach to care delivery: A qualitative descriptive study of the patient experience of a long-term conditions clinic in general practice.

Abstract

Innovative ways of working are emerging in healthcare to meet the complex needs of people living with multiple long-term conditions. Whilst these initiatives are often measured for their health and economic outcomes, few studies prioritise the patient experience. This qualitative descriptive study is one of a few studies exploring the patient experience of attending a dedicated long-term conditions annual review clinic in a primary care setting in England. The service model aims to provide a person-centred, holistic approach to the management and support of people living with multiple long-term conditions. The study presents findings from in-depth interviews with 12 participants. Data analysed through framework analysis revealed four themes relating to the patient experience: the clinic as a place, continuity, staying healthy, and partnership opportunities.

Results highlight the challenges to providing personalised care. We found that attendance at the clinic prompted self-care behaviours, however, patients wanted a more holistic, integrated and consistent service that provided continuity of therapeutic relationships that involved them in decision-making and care planning. We conclude that the experience of patients in this study suggests this service model can enable patients to manage their health and improve wellbeing, however, whilst a person-centered philosophy may underpin service models, our research shows that ensuring this philosophy is born out in service delivery and recognised by patients, is problematic. Therefore, service providers need to recognise the values and perspectives of patients, aligning these with the design and delivery of services.

Keywords: Patient experience, multimorbidity, person-centered care, qualitative description, framework analysis, long-term conditions

In pursuit of a person-centred approach to care delivery: A qualitative descriptive study of the patient experience of a long-term conditions clinic in general practice.

Introduction

The care and management of people with long-term conditions (LTCs) is thought to be one of the greatest healthcare challenges of the 21st Century due to the adverse consequences experienced by the individual, their families, economies and health systems (Pearson-Stuttard et al., 2019; Whitty, 2017; World Health Organization (WHO), 2023).

Developments in medical science have led to improved health outcomes through better understanding of diseases, earlier diagnosis, and the availability of sophisticated therapeutic options (Brown, 2015). These advances have benefited people with LTCs, enabling them to live longer lives with conditions that previously would have been fatal (Soley-Bori et al., 2021; Whitty, 2017). This combined with greater life expectancy contributes to the growing number of people living with LTCs (Kingston et al., 2019; Stafford et al., 2018).

In most developed countries, the rate of increase in healthy life expectancy has not kept pace with overall life expectancy (Jivraj, 2020). Whilst people are living longer lives, they are not always living healthier lives with some individuals experiencing moderate to poor health in their later years often caused by LTCs (Office for National Statistics, 2022). Living years in poorer health is not exclusive to the older population; an increasing number of young and middle aged adults spend years in poor health due to LTCs (Barnett et al., 2012; Frølich et al., 2019; Jivraj et al., 2020; Stagg et al., 2023; Welsh et al., 2021). The worsening health in people of multiple age ranges, poses challenges for healthcare service providers who are already dealing with the demands of a growing population living longer lives. This suggests that in the future, more individuals are likely to require health care services at younger ages and consequently rely on them for longer periods.

In pursuit of a person-centred approach to care delivery: A qualitative descriptive study of the patient experience of a long-term conditions clinic in general practice.

Many people live with more than one long term condition (also known as multimorbidity) and the numbers are steadily rising (Whitty, 2017). There are wide-ranging definitions of multimorbidity in the literature that vary in the type, number and severity of conditions included (Ho et al., 2022; Johnston et al., 2019). For clarity, the definition of multimorbidity used in this paper is one proposed by the Academy of Medical Sciences (2018, p. 22-23): “the co-existence of two or more chronic conditions” which can be physical non-communicable diseases, mental health conditions or infectious diseases, all of which are of long duration. Added to the lack of consensus over a definition for multimorbidity, the term itself has come under criticism. The Russel Group of Charities identified that people living with LTCs feel the term multimorbidity is medically orientated, has negative connotations, and does not reflect the complexities of living with multiple conditions (Taskforce on Multiple Conditions, 2018). Therefore, in this article, the term multiple long-term conditions will be used instead of multimorbidity where possible.

Approximately 37% of adults globally live with multiple LTCs (Chowdhury, 2023). Prevalence increases with age and with socioeconomic deprivation, with people living in deprived areas developing multiple LTCs much earlier than their more affluent counterparts (Schjøtz et al., 2017; Violan, et al., 2014). Projections suggest that approximately 17% of the population in the United Kingdom (UK) aged 65 and over, will be living with ‘complex multimorbidity’ (four or more LTCs) by 2035, almost double the prevalence in 2015 (Kingston et al., 2018).

People living with multiple LTCs tend to use health care services more intensively than people with a single or no LTC, most notably in primary care settings where they take up more than half of all consultations (Cassell et al., 2018; Muth et al., 2014; NICE, 2016). The intensive use of health care resources by people with multiple LTCs extends across the

1 In pursuit of a person-centred approach to care delivery: A qualitative descriptive study of the patient experience
2 of a long-term conditions clinic in general practice.
3
4

5 wider health care system and includes higher use of unscheduled emergency care, more
6 frequent hospital admissions and longer lengths of stay (Cassell et al., 2018; Skou et al.,
7 2022; Stafford et al., 2018). Not only does this increase the cost burden on health care
8 systems (Soley- Bori et al. 2021, Tran 2022), the direct and indirect costs of living with
9 multiple LTCs can place a significant financial burden on the individual (Larkin et al., 2021;
10 Skou, 2022).
11
12
13
14
15
16
17
18

19 People living with multiple LTCs are at greater risk of premature mortality,
20 polypharmacy, functional difficulties, mental health problems, increased risk of disability,
21 and can experience poorer quality of life than those without chronic illness (Hajat & Stein,
22 2018; Skou et al., 2022; Wallace et al., 2015). Furthermore, the impact of living with multiple
23 LTCs can result in a high treatment burden for those individuals (Rosbach & Andersen,
24 2017). For example, people living with multiple LTCs are often required to attend numerous
25 appointments with different specialist teams for management of each discrete LTC where
26 treatment is focused on single disease guidelines. This can result in poorly coordinated and
27 fragmented care, that further complicates management strategies (Sinnott et al., 2013; Skou et
28 al., 2022).
29
30
31
32
33
34
35
36
37
38
39
40
41
42

43 It is widely recognised that radical change in health care design is needed to better
44 support people living with multiple LTCs (Nolte et al., 2014; Wagner, 1998; WHO, 2013).
45 Thus, new models of care aim to move away from paternalistic approaches, that view patients
46 as passive recipients of care, towards person-centred approaches that support people with
47 multiple long-term conditions to play an active role in determining their care needs (Imison et
48 al., 2017; NHS England, 2019). National guidelines on assessment and management of
49 multimorbidity in England recommends that care is tailored to the individual needs of
50 patients, their health priorities, and treatment preferences through formulation of a
51
52
53
54
55
56
57
58
59
60

1 In pursuit of a person-centred approach to care delivery: A qualitative descriptive study of the patient experience
2 of a long-term conditions clinic in general practice.
3
4

5 personalised care plan jointly developed between the clinician and the patient (National
6 Institute for Health and Care Excellence (NICE), 2016).
7
8
9

10 Models of care have been developed that attempt to provide a person-centred focus by
11 offering comprehensive and holistic approaches to multiple LTCs management, placing the
12 person at the centre of their care (Muth et al. 2014; NICE 2016; Smith et al., 2021; Wagner,
13 1998). Haines and Kirk (2020) outlined the benefits that people experienced from an annual
14 review and care planning service for those with cardiovascular disease and multiple LTCs.
15 Their results suggested, because of attendance, patients understood their conditions better and
16 felt more able to cope and engage in self-care. Other researchers have provided evaluations of
17 primary care services for people with multiple LTCs using a one-stop-shop approach that
18 provides access to a range of services in one place. Results suggested improved health
19 outcomes, but other than the use of patient reported outcome measures (PROM) the patient
20 experience was not considered (Bonner et al., 2020). Salisbury et al. (2018) undertook a large
21 cluster-randomised controlled trial that incorporated patient-centred strategies in the
22 management of multi-morbidity in primary care. Their 3D approach to care (incorporating
23 dimensions of health, depression, and drugs) provided patients with multiple LTCs with
24 comprehensive reviews rather than separate reviews for each LTC. They found mixed results
25 with no improvement in health-related quality of life. Only 49% of participants received the
26 two intended 3D reviews, impacting on the findings (Mann et al., 2019). Their participants,
27 however, appeared to value the comprehensive reviews and reported increased perception of
28 'patient-centred' care. We note the use of 'patient-centred' rather than 'person-centred care'
29 described in this study.
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56

57 Person-centred care (PCC) and patient-centred care are terms that are often used
58 interchangeably in health care literature and in health care practice. Although the concepts
59
60

1 In pursuit of a person-centred approach to care delivery: A qualitative descriptive study of the patient experience
2 of a long-term conditions clinic in general practice.
3
4

5 share similar features, several commentators maintain that there is an important distinction
6 between these two (Eklund, 2019; Harding et al., 2015; Zhao et al., 2016). It is beyond the
7 scope of this article to consider the PCC versus patient-centred care debate in depth. For
8 clarity, we use the term person-centred care throughout this article, as people with LTCs only
9 spend a few hours per year as a patient accessing health care, spending the rest of the year
10 managing their conditions in day-to-day life (Eaton, 2015).
11
12
13
14
15
16
17
18
19

20 Despite the development of new care models aimed at balancing the dominant disease-centric
21 biomedical model with a more holistic person-centred approach for people with multiple
22 long-term conditions (LTCs), quantitative measurements of health and economic outcomes
23 often take priority over evidence based on patient experience when evaluating the success of
24 a service. This highlights a gap in the literature regarding the subjective experiences and
25 perspectives of individuals living with LTCs when encountering these care models.
26
27
28
29
30
31
32
33

34 **Purpose of the study**

35
36
37 This study provides valuable insights into the firsthand experiences of patients with
38 multiple LTCs attending a dedicated annual review clinic. The clinic is designed to offer a
39 more holistic and PCC approach for patients by addressing all their conditions in a single
40 appointment. Gaining insight into the patient experience of such initiatives can assist in
41 tailoring health care services to better address the needs of the increasing number of people
42 living with multiple LTCs. This paper presents findings from a qualitative descriptive study
43 that explored the experience of people with multiple LTCs who attend an annual review
44 clinic in a GP (general practitioner) practice in a coastal town in the North-East of England.
45 The practice is situated within an area recognised as one of the most deprived coastal
46 neighbourhoods in England, and like many coastal communities, has some of the poorest
47 health and wellbeing outcomes in the country (Whitty, 2021). Conducting health research in
48
49
50
51
52
53
54
55
56
57
58
59
60

1 In pursuit of a person-centred approach to care delivery: A qualitative descriptive study of the patient experience
2 of a long-term conditions clinic in general practice.
3
4

5 areas such as this contributes to valuable knowledge about access to services and standards of
6 health care available in these underserved populations.
7
8
9

10 **Method**

11 **Design**

12
13
14
15
16 A qualitative descriptive design was chosen for this study. This approach is often used
17 in nursing and health care research when exploring the patient experience of illness and/or
18 health care related interventions, particularly when little is known about the topic of interest
19 (Doyle et al., 2020; Kim et al., 2017). With its philosophical roots grounded within
20 naturalistic inquiry (Lincoln & Guba, 1985), qualitative description positions itself within a
21 relativist ontology which holds the view that no single reality exists. People construct their
22 own reality based on their subjective experience (Bradshaw et al., 2017). Epistemologically,
23 qualitative description is situated within subjectivism, a philosophical perspective that
24 accepts that meaning is imposed on the object by the subjective consciousness, experiences,
25 and perceptions of the individual (the subject) (Moon & Blackman, 2014). Within this
26 framework, researchers acknowledge that knowledge is constructed through the unique
27 perspectives, meanings, and interpretations of the participants involved in their study.
28
29 Therefore, qualitative descriptive researchers need to remain near to the data during data
30 analysis and provide rich descriptions close to the language used by participants to describe
31 their perceptions and experiences of an event or intervention (Neergaard et al., 2009). By
32 capturing the voice of participants with first-hand experience of the phenomenon, qualitative
33 description can generate new insights that shape real-world clinical practice and influence
34 service improvement (Chafe, 2017; Neergaard et al., 2009).
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60

In pursuit of a person-centred approach to care delivery: A qualitative descriptive study of the patient experience of a long-term conditions clinic in general practice.

Setting and context

The design of the LTCs clinic involved in this study was based on the Diabetes year of care model (Diabetes UK et al., 2011) and on patient responses to a previous survey at the practice. The clinic was designed to offer a one-stop-shop approach to managing the care of people living with two or more of the following LTCs: hypertension, diabetes, ischaemic heart disease, stroke/transient ischaemic attack, heart failure, chronic obstructive pulmonary disease/asthma, and dementia. This approach was aimed at coordinating care to prevent unscheduled hospital attendance, avoid unnecessary polypharmacy, and reduce cost burden. The underpinning philosophy of the service is to provide a holistic, person-centred approach that considers the whole person rather than a set of single diseases. The service brought together GPs, nurses, pharmacists, and patients with the aim of increasing the knowledge, skills, and confidence of patients to self-manage their condition, and make shared decisions about their care needs, supported through collaborative personalised care and support planning.

The clinic model involved a two-stage process - a pre-visit review followed by a booked appointment with a nurse or GP a few weeks later. The first stage included; attendance for pre-screening tests, including blood and urine tests, prior to an appointment at the LTCs clinic; completion of a health and social care self-assessment questionnaire to identify issues most important to discuss at the forthcoming LTCs review appointment; a pharmacist records-based medication review to check for cost effectiveness and unnecessary prescribing; and a GP review of the medical notes to check and confirm diagnoses and make recommendations for treatment changes based on the findings of the pre-visit review. During the second stage of the process, recommendations were discussed with the patient at their LTCs clinic appointment, led by a Practice Nurse or GP. During this visit individuals

1 In pursuit of a person-centred approach to care delivery: A qualitative descriptive study of the patient experience
2 of a long-term conditions clinic in general practice.
3
4

5 received a comprehensive check of their multiple LTCs, screening for falls, frailty,
6 depression and other conditions, relevant Quality and Outcomes Framework (QOF) reviews
7 and were signposted or referred to specialist support where indicated. At the end of the
8 appointment, patients were to be given a copy of test results and a personalised care plan
9 developed in collaboration with the nurse or GP to aid self-management. Those at high risk
10 from hospital admissions were also to be followed up with an appointment or telephone
11 review.
12
13
14
15
16
17
18
19
20

21 **Sampling and recruitment**

22 Purposive sampling was used to recruit patients registered with the GP practice who
23 attended the LTC clinic. Congruent with qualitative description, this sampling approach is
24 beneficial when attempting to obtain broad insights and richness of information from
25 participants who have the required experiences and qualities needed for the study (Kim et al.,
26 2017). Potential participants were identified by the GP practice from their database of people
27 who had attended the LTC clinic. The researchers did not have access to any of these
28 peoples' medical records. Invitations to participate were sent by the practice to randomly
29 selected patients meeting the following eligibility criteria: aged 18 or over; able to speak
30 English and give consent; and who had attended the LTC clinic on at least one occasion, and
31 at least three months from the date of the letter being sent to ensure potential participants
32 were given enough time to judge the impact of their consultation.
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51

52 **Data collection**

53 Consistent with a qualitative descriptive approach (Sandelowski, 2010), data were
54 collected using one-to-one semi-structured interviews with patients who had attended the
55 LTCs clinic. A semi-structured interview schedule was used that combined a set of pre-
56
57
58
59
60

1 In pursuit of a person-centred approach to care delivery: A qualitative descriptive study of the patient experience
2 of a long-term conditions clinic in general practice.
3
4

5 determined open questions designed to elicit thoughts, feelings, and experiences of the
6 participants and which gave the researchers the opportunity to explore responses in more
7 detail. Written consent was obtained from participants prior to each interview, with
8 interviews taking place in that person's home. Participants were allocated a unique study
9 code to ensure anonymity.
10
11
12
13
14
15
16

17 Participants were interviewed either by GW or JH. To mitigate against the risk of the
18 researchers generating diverse data due to differing interactions with the interviewees, the
19 researchers agreed to follow an introductory script at the start of each interview and to make
20 notes after each interview for comparison. The interviewers then listened to the first two
21 interviews that each had conducted and compared field notes to ensure there was a consistent
22 approach. In addition, a selection of transcripts from both interviewers were reviewed and
23 consistency was agreed by an independent experienced qualitative researcher who was a
24 Faculty member. Interviews lasted between 30 and 60 minutes and were digitally recorded to
25 allow for verbatim transcription afterwards.
26
27
28
29
30
31
32
33
34
35
36
37
38

39 Data collection was considered complete when interviews no longer yielded new data
40 of analytical significance (Guest et al., 2020). This occurred by the ninth interview. The
41 researchers discussed findings from three further interviews after which they agreed
42 saturation was reached. Data saturation is said to have occurred when no new insights are
43 observed, and data sources repeat the same information rendering further data collection
44 redundant (Saunders 2018; Hennink 2022). This study included a total of 12 interviews.
45 Together with the principles of *data* saturation outlined above, the researchers independently
46 determined that no new themes emerged from the three subsequent interviews. Considering
47 empirical evidence suggesting themes can be identified at around 12 interviews (Guest et al,
48
49
50
51
52
53
54
55
56
57
58
59
60

1 In pursuit of a person-centred approach to care delivery: A qualitative descriptive study of the patient experience
2 of a long-term conditions clinic in general practice.
3
4

5 2006; Francis et al., 2010; Namey et al., 2016; Hennink and Kaiser, 2022), the researchers
6
7 felt satisfied that data collection were complete.
8
9

10 **Data Analysis**

11
12

13 Data analysis ran concurrently with data collection allowing for examination of the
14 data as an iterative process, informing a reflective process that involved ongoing
15 consideration of data collection methods; sorting and coding of data; and decisions made
16 regarding data saturation. Data were analysed using framework analysis (Ritchie & Spencer,
17 1994) to ensure a transparent process that was systematic, sequential, and verifiable. This
18 analytic method employs a five-step process: familiarisation; identifying a thematic
19 framework; indexing; charting; mapping and interpretation. Each stage of data analysis was
20 discussed between the two researchers. An advantage of framework analysis is its ability to
21 enhance transparency and improve dependability through provision of an audit trail from
22 which the interpreted themes can be traced back to the raw data (Ward et al., 2013).
23
24
25
26
27
28
29
30
31
32
33
34
35

36 Framework analysis is also a useful approach when there are issues that have been identified
37 as a priori that are salient to the aims of the study (Ritchie & Spencer, 2002). Thus, it was
38 fitting to use framework analysis for our study as the funders of the research were keen to
39 gain insight into the personalised care planning approach central to the LTC clinic design.
40
41
42
43
44

45 The researchers, however, kept an open mind to ensure emergent data also guided the
46 process, therefore allowing for both deductive and inductive analysis (Gale et al., 2013).
47
48

49 Table 1 provides a step-by-step account of the framework analysis conducted in accordance
50 with Richie and Spencer's (1994) five stages.
51
52
53

54 Throughout the data analysis stage, both researchers were cognisant of their reflexive
55 position taking into account factors that may influence data interpretation such as their life
56 experiences and professional backgrounds (Berger, 2015). In addition to being academics,
57
58
59
60

1 In pursuit of a person-centred approach to care delivery: A qualitative descriptive study of the patient experience
2 of a long-term conditions clinic in general practice.
3
4

5 both researchers are also registered nurses with extensive experience of caring for people
6 with LTCs. Through reflexive memo writing and discussions during data collection and
7 analysis they were able to acknowledge individual and disciplinary biases, as academics and
8 as registered nurses, that may have influenced interpretation of the data. GW came from a
9 nursing background of chronic disease management, whereas JH worked with people with
10 LTCs in an acute setting. Efforts were made to separate their experiences and assumptions to
11 ensure best representation of the participants' perspectives. A reflexive approach contributes
12 to the rigour of research by ensuring that analytic directions are defensible (Hunt, 2009;
13 Thorne, 1997).
14
15
16
17
18
19
20
21
22
23
24
25

26 (Insert table 1 here)
27
28
29
30

31 **Ethical considerations**

32 Ethical approval was granted by The University of Hull, Faculty of Health and Social
33 Care Research Ethics Committee, and Yorkshire and The Humber-Bradford Leeds Research
34 Ethics Committee. Written and verbal information was provided to participants prior to
35 agreeing to be interviewed. Participation was voluntary and people were free to withdraw
36 from the study at any point without giving a reason. Identifiable information was removed
37 before processing the data to ensure confidentiality and anonymity. It was acknowledged that
38 some participants may find discussing their health difficult or uncomfortable and patients
39 were asked to consider this before taking part. The researchers attempted to reduce the risk of
40 any individual becoming distressed through close observation and careful, sensitive
41 questioning. Both researchers have experience of qualitative interviewing and are also
42 registered nurses with experience of talking to people in ill health. Prior to being interviewed
43 participants were signposted to support, should they need it, from their GP practice, and
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60

In pursuit of a person-centred approach to care delivery: A qualitative descriptive study of the patient experience of a long-term conditions clinic in general practice.

where appropriate other means of support were suggested such as charitable organisations, for example, The Stroke Association or Diabetes UK.

Results

Five males and seven females were interviewed; they were mostly over 70 years old and retired (see table 2). Four themes were identified during the data analysis process: The Clinic as a Place, Continuity, Staying Healthy and Partnership Opportunities. Each theme is discussed below and supported by anonymised participant quotations to illustrate the generated data.

(Insert table 2 here)

Theme 1 – Clinic as a place

The first theme identified in the data considers the clinic as a place; a place where participants ascribed different meanings according to their experiences within the space. Three subthemes were identified that related to the clinic as a place: a place of reassurance, a place for the ill, a place that gives a prompt for action.

A place of reassurance

Most participants welcomed the clinic appointment as an opportunity to meet with a clinician to discuss their individual health needs. They valued the allotted time spent with a HCP (Health Care Professional). One participant described the encounter as extending the ‘arm of the doctor’ (P3) where, even if they saw the nurse or pharmacist, they could ask questions and express concerns about their health. Respondents reported a sense of reassurance that their health was being monitored on at least an annual basis, hoping that concerns would be picked up early and interventions put in place.

In pursuit of a person-centred approach to care delivery: A qualitative descriptive study of the patient experience of a long-term conditions clinic in general practice.

P2: At least I know if I am getting the twelve months monitoring, I know everything is either going well or not...It gives me a confidence.

P4: Well, I'd like to know, if anything is wrong, I would like to know about it.

P14: It [the LTCs clinic] was only once a year and they thoroughly checked everything, so I was quite happy with that.

The convenient location of the clinic was also a source of reassurance and satisfaction. It avoided the need to travel to the nearest hospital for appointments with specialist services which was a 50-mile round trip for some patients. The GP practice where the research was conducted is in a remote coastal town in the north of England, poorly served by public transport. Being able to attend a one-stop-shop that viewed their conditions in the round, appeared to improve access to services for attendees.

P9: Very handy because it's just a walk round the corner.

P12: I said to the hospital I was coming here [the long-term conditions clinic] to this clinic here...It cost me £50 for a taxi to go [to the hospital].

A place for the ill

There were some comments from participants that demonstrated they were surprised by the letter of invite and there was some ambiguity around the purpose of the clinic and why they had been asked to attend.

P11: I had a letter...It came as a bit of a surprise at the time, but I tend to be very good about anything to do with health...and never had no expectations at all. I just thought it was part of a system and join in.

P3: the only thing is the wording [of the letter] on having your, on how they put it, to have your prescription, your blood's taken before you make the [LTCs clinic] appointment...it just doesn't make sense...Don't make your appointment before you've done this [arranged for pre-appointment screening], but the way they've put it, you know, what's it mean?

1 In pursuit of a person-centred approach to care delivery: A qualitative descriptive study of the patient experience
2 of a long-term conditions clinic in general practice.
3
4

5 The ambiguity surrounding the purpose of the clinic may be linked to the way that people
6 were invited to the clinic. Some commented that the clinic letter of invitation was unclear
7 whereas others were confused about the sequence between attendance and investigations that
8 need to be completed, resulting in questions about the purpose of clinic attendance.
9
10
11
12
13
14
15

16 Participants had varying perceptions about who should attend the clinic and the extent
17 to which clinic attendance was appropriate for monitoring their LTC. One participant
18 considered the referral to the clinic was due to a lack of management options – as if
19 attendance was a last resort and that treatment options had been exhausted and nothing else
20 could be done.
21
22
23
24
25
26
27

28 P8: The doctor himself said he wanted me to go to the long-term clinic
29 when they found out there was nothing else to do... Then I was told quite
30 firmly, not rudely, quite firmly, go to the clinic. I did as I was told. Oh
31 yes, nothing nasty. But just very firm. Please go to the [long-term
32 conditions] clinic.
33
34
35
36

37 Other participants acknowledged that whilst they lived with chronic conditions, they did not
38 consider that they warranted attendance at the LTC clinic as they had not experience chronic
39 pain or disability.
40
41
42
43

44 P8: I felt really that I didn't need to go [to the clinic] because I didn't feel
45 as though I had a long-term illness.... I thought people who had pain, who
46 had problems, you know, more fitted into that category than what I did.
47
48

49 P3: it's [the LTC clinic] for people that's a lot worse than me, you know.
50

51 In contrast, and as highlighted in the quotation below, others felt their LTCs had a
52 significant impact on their health and that clinic appointment times were too short –
53 participants suggesting the time spent there was between 10 and 30 minutes. Some
54
55
56
57
58
59
60

In pursuit of a person-centred approach to care delivery: A qualitative descriptive study of the patient experience of a long-term conditions clinic in general practice.

participants felt they needed closer surveillance and suggested appointments in the LTC clinic should be more frequent than once a year:

P7: You're not long. Not very long at all [the appointment] but you see I suppose they don't have that time now... When you only do it once a year it's not like going on a regular basis.

P11: I have insulin and tablets and...only meeting once a year to discuss that or be aware of that may not be good enough because there is a long time in 365 days.

Participants' perceptions of the purpose of the clinic ranged from feeling that their condition management at the clinic was because they were 'so ill' there were few treatment options left; to feeling that their illness was significant enough that they warranted longer appointment times; whilst others felt that they were not 'ill enough' to be offered an appointment at the clinic. This caused participants uncertainty about who should attend the clinic.

A place that gives a prompt for action

The prospect of an imminent appointment at the LTC clinic prompted some participants to take more notice of their conditions and to engage more proactively in healthy behaviours.

P2: But yes, it helps me. It gives me the prod that I need sometimes just to get sorted you know?

P3: Yes, because at least for three months before (the appointment at the clinic) I tried to be good. Or I have in the past, I didn't succeed last year. But, yes, it brings it aware, your self-awareness to the situation you are in. Where if you didn't go, it would be in the back of your mind, you know. I am not worrying about it, but you've got to think about it.

In pursuit of a person-centred approach to care delivery: A qualitative descriptive study of the patient experience of a long-term conditions clinic in general practice.

Clinic attendance had a positive influence on these participants' behaviour and contributed as a day-to-day reminder of their conditions. One participant (P3) commented that in the run-up to their appointment, they were more inclined to 'be good', in this way attendance acted as an external motivator that encouraged them to adopt and maintain a healthy lifestyle. This participant's comment demonstrates how perceptions about what is 'good' and what is 'bad' behaviour may exert an influence on health practices.

Theme 2 – Continuity

Participants' conversations drew attention to the '*journey*' they had taken to manage their LTCs as well as the '*journey*' they had travelled with others, like their GP or Practice nurse. One individual described the LTC appointments as an opportunity for their '*MOT time*' to ensure that they were road worthy for what lay ahead (P:14). The enduring nature involved in managing a long-term condition is evident in this participant's use of the phrase '*MOT time*' (The abbreviation that stands for Ministry of Transport, is an annual test of vehicle safety in the UK). The acronym is used as a metaphor by the participant to describe the benefits of regularly attending the clinic and the need for regular checkups to monitor his health over time.

These regular encounters with clinic staff provided continuity and contributed towards building relationships with their nurse, doctor or pharmacist at the LTCs clinic. The effectiveness of their condition management was perceived by participants to be influenced by the understandings established over time, providing assurance that clinicians knew their personal circumstances and medical history. Knowing staff and being known to staff made it easier for participants to connect and share personal information that could influence their care.

In pursuit of a person-centred approach to care delivery: A qualitative descriptive study of the patient experience of a long-term conditions clinic in general practice.

P9: ...Dr. [name] knew me from [surgery name] for 20 odd years.... Well, he used to know everything about me and about my husband ...because my husband had a serious stroke 24 years ago, ...and then he had a triple bypass.

P2 Well I think it is important [to see the same person] because you get a rapport, you know? And it is a bit easier than meeting a stranger. And for me it is important

P3: I would sooner see the same person so that they got to know you, I got to know that nurse, she knew me... it's going to see someone you know, rather than going to see a stranger which you aren't going to open up to

The importance of being 'visible' as well as being recognised as a person within a family context, rather than just a patient, was a recurrent message. These results show that the continuity provided by seeing the same staff member was important to participants.

Where multiple providers were involved in care, respondents were uncertain who had overall responsibility for individual elements of that care. Care delivery was perceived as fractured. Participants indicated concern that as a result, some health problems may be overlooked.

P6: Well, I seem to go to little clinics for this little bit, that little bit, the other little bit. It's getting a whole picture that's the problem and you have to see a doctor for that. I think I haven't found any other way yet because nobody seems to be able to give you a whole picture.

P18 The other one [clinic] I go every so often for a blood test for the rheumatoid arthritis. I can go here [to the LTC clinic]. The diabetes I can go here [the LTC clinic]. The arthritis I have nowhere to go and yes I am unhappy.

These results show that the provision of care for people with multiple LTCs in one clinic was valued. The importance of meeting with the same HCP during subsequent consultations to develop a rapport, was central to many of these participants discussions and appears important for establishing trust, and promoting assurance that their health was being monitored and well managed.

In pursuit of a person-centred approach to care delivery: A qualitative descriptive study of the patient experience of a long-term conditions clinic in general practice.

Theme 3- Staying Healthy

Staying healthy was another recurrent theme emerging from the data. Most of our participants were eager to either maintain or improve their health. Some participants were actively engaged in improving their health, whilst others were more passive. A few people felt fatalistic about their condition having a ‘what will be, will be’ attitude. There were some enablers and health management barriers, identified in participants’ narratives. Knowledge, skills, and confidence were important influencing factors that contributed towards approaches to self-management, however, time pressures with work, access to transport and social isolation had a negative impact on participants’ ability to develop wider support networks.

For example, talking about maintaining and improving their health, participants explained how clinic staff suggested less harmful alternatives to smoking and encouraged lifestyle changes to lower the risks associated with being sedentary.

P4: I’ve started smoking one of these things now [e-cigarette]My own doctor tells me it’s the best thing I ever did. I mean I’m 79 and I’d been smoking a long, long time.....I’ve been on one of them now nine months and I feel 100% better.....And my long-term illness nurse says, “Your breathing is getting better.”

P3: I want to get healthier, but I don’t know how much exercise I can do.....she said [Health Trainer] go to doctors and get a prescription to go to the gym and be monitored while you’re doing the exercise, you will have somebody there with you all the time,

Some participants displayed confidence when discussing their health conditions and were positively seeking to manage their LTCs exploring ways to improve their health and wellbeing.

P14: The blood and the pills and the checking is alright, but I don’t think that’s the final solution [for diabetes]. There’s a solution, to exercise, eat properly and keep exercising. ...I felt like even the doctors could say, ‘Right, there’s a prescription for a

In pursuit of a person-centred approach to care delivery: A qualitative descriptive study of the patient experience of a long-term conditions clinic in general practice.

swimming class,' so that everybody that's overweight or that should have a free prescription can go to swim.

P4: I know all about my [blood glucose] targets and stuff like that, what they should be first thing on a morning so, don't go to bed unless it's at least 8 or what have you.

P3: I have a book here, I'm filling everything in.....and this is my way of putting me first, it is doing that and counting my calories and my carbs and just seeing how I get on.

For some participants, attempts to modify their lifestyle seemed unrealistic and they spoke of their lack of desire to change. Just getting up each day was perceived as a bonus.

P4: I don't look after myself all that much.... As long as I'm waking up on a morning, I'm alright, and as Bernard Manning once said, "if you're waking up on a morning and you don't feel wood on your elbows, you're alright.

Other people taking part in the study felt hindered by either not knowing what they could 'safely' do within the limitations of their condition or did not feel they were given the information they needed. Even participants who showed a willingness to engage in the management of their condition sometimes felt they were hampered in achieving this due to lack of skill and knowledge.

P3: I want to get healthier, but I don't know how much exercise I can do.

P7: they don't always explain what the purpose of the medication is for...it would be nice to know that, you know, what everything is for.

P14: because they won't tell you what a good reading is [HbA1c]. What's the point in you telling me I'm 45, to me that means nothing.

The desire to be more informed was particularly evident when participants discussed test results or prescribed medication.

Some people welcomed the idea of using alternative sources for finding information such as the media or internet and were also interested in group self-management or peer support and sought signposting to additional resources, self-management support groups and

In pursuit of a person-centred approach to care delivery: A qualitative descriptive study of the patient experience of a long-term conditions clinic in general practice.

other community-based services, from the HCPs at the LTC clinic. Others found it less appealing and found the prospect of talking in groups off-putting.

P14: she [long-term conditions nurse] says, "Is there any way I can help you?" I says, "Yeah, I'd like to talk to people about it." She says, "Right, fair enough."

P3: Well, it was like with the health trainers. Now, that is very good, they are sitting down with you for half an hour and giving you ideas and things that you should be doing or shouldn't be doing, should be eating or shouldn't be eating,

P2: I do go online quite a bit, I'm on the diabetes website. Sometimes it is interesting, sometimes it is not. But yes, sometimes you find it contradicts itself. But I know I ask a question on there [online] So yeah, it's useful.

P7: [I] declined to go actually, and you go to this diabetes thing, and you spend three hours or so, you know, in lectures and I thought well really, I don't really want to.... I didn't really fancy going into a room with people that I didn't know.

P14: I thought I better do something and get some advice... You can go on the internet, but you don't get... a lot of the problems are not your problems.

Some participants felt that they would rather not receive health promotion information in a group setting, from people they did not know. Others felt the advice they could access on the internet may not be relevant to their situation.

Additionally, social isolation, work schedules and lack of access to transportation were barriers that prevented access to wider support networks. For participants who were limited by work or transport, the LTCs clinic was their only point of contact with HCPs to discuss health concerns.

P2: There is a support group in [place name removed] that I am aware of, but I am not that interested in it, well at the moment anyway, because, as I say, I work, I am away a lot.

P8: It's the only time I ever go anywhere is when she [friend] comes. She's got a car, she drives you see. She takes me where I want to go.

For most people interviewed the clinic appeared to be an important resource to acquire the knowledge, skills and confidence needed to promote healthy behaviours and was the preferred point of contact for health advice, however, for other people the clinic was just a

1 In pursuit of a person-centred approach to care delivery: A qualitative descriptive study of the patient experience
2 of a long-term conditions clinic in general practice.
3
4

5 starting point for them to explore the wider provision of healthy living advice and support
6 available in the community. It was evident, however, that sometimes participants felt that the
7 information they received during clinic attendance could have been more detailed and
8 individualised for them.
9
10
11
12
13

14 **Theme 4 – Partnership opportunities**

15
16
17
18 When asked about the level of involvement in making care decisions, participant
19 experiences varied. Some people suggested there was a collaborative approach taken in
20 decision-making about their care, with practitioners at the LTC clinic, whereas other
21 participants felt the clinician should take responsibility for decision-making, based on
22 relevant tests and investigations. Other participants suggested that they may not have been
23 involved or that they did not know they could be involved in decisions about their care.
24
25
26
27
28
29
30
31
32

33 P3: They had suggested that I increase my [diabetic] tablets and I didn't want to...I
34 said I haven't been very good [with diet] during the summer, so can we have the tests
35 again in another three months...and it [HbA1c] had come down a bit, so the tablets
36 weren't increased.
37

38 P6: They [clinicians] make the decisions and I would tend to stick to their decisions.
39

40 P14: Yeah, well I'd say the blood test does that [determines treatment
41 decisions], doesn't it? It tells you what it is, and the nurse recommends it,
42 and I will take their advice.
43
44

45 P9: I didn't know that you could be more involved (in care).
46
47

48 A lack of effective communication and shared decision-making had a negative
49 impact on medication adherence for one person we interviewed.
50
51
52
53
54

55 P4: They give me one of these [inhaler]. The one I had was brilliant and they
56 changed it. I said to chemist, "What's that?" He said, "It's a new inhaler." I
57 say, "How do I use that?" So, any road, I don't use it [inhaler].
58
59
60

1 In pursuit of a person-centred approach to care delivery: A qualitative descriptive study of the patient experience
2 of a long-term conditions clinic in general practice.
3
4

5 This participant said he stopped using his inhaler after it was changed without any
6 discussion with him.
7
8
9

10 Although most participants did not recall having a copy of the care plan or did not
11 seem to know what care planning was, several described discussions that suggested a care
12 planning conversation had taken place, mentioning treatment goals, targets and receiving
13 health promotion literature.
14
15
16
17
18
19

20
21 P11: I am not aware of being set any goals except that I know that I should
22 get this HSBC [HbA1c] figure down.
23

24 P2: You sometimes get a leaflet or something, but there is no care plan as
25 such.
26

27 P12: You walk out (of the clinic) with a bit of paper and think ‘what is that
28 for?’ It doesn't say anything really.
29

30 Those who did not recall having care planning conversations felt such discussions
31 would help with the day-to-day management of their LTCs. Some participants commented
32 that they would like their care to be more personalised and less routinised and felt that their
33 individual concerns were not always a priority for the practitioner they spoke to.
34
35
36
37
38
39

40
41 P 2 Because [with a care plan] you would then have, ‘what is the word?’ not a
42 formula, you would have something that you could work against, formalise what you
43 do every day.
44

45 P 6 it would be nice as you get older to think I want ... they know about me. And they
46 probably don't, they probably don't know very much about me at all
47

48 P11: it seems to me that whoever interviews me and presents the results is more
49 interested in the task than interested in me as a person...they look at the screen and
50 they say “you are a 4.2 this...a 6.3 that, and an 8.9 this”, so I am really just a set of
51 numbers rather than somebody who has got a long-term condition.’
52
53

54
55 A few people in this study felt they did have some choice in the decisions made about
56 their care, others felt there was little opportunity for choice and sharing decision-making,
57
58
59
60

1 In pursuit of a person-centred approach to care delivery: A qualitative descriptive study of the patient experience
2 of a long-term conditions clinic in general practice.
3
4

5 however, the majority felt they would like to be more involved in this process and wanted to
6 be informed of the options available to them.
7
8
9

10 11 12 **Discussion** 13

14 Participants valued the LTC clinic, and their responses suggested that the benefits of
15 attending included a feeling of reassurance, a prompt to engage in healthy lifestyle, and a cue
16 for action towards positive behaviour change. How long these effects were sustained,
17 however, is difficult to determine from our study. Although attendance was valued, at times
18 there was confusion over the purpose of the clinic and who should do what. Candidacy for
19 the LTC clinic appeared irrelevant for some participants who did not consider themselves to
20 be 'ill enough' to attend. The perception of living with a chronic illness but not considering
21 oneself as ill has been observed elsewhere in the literature (Brooks et al., 2015). Despite
22 many participants identifying positive experiences when attending the clinic, results also
23 identified areas for improvement, that involved clarifying the intentions of providing such a
24 service and its key initiative - to provide shared decision-making and a person-centred
25 approach to care delivery. Actions such as clarifying content and raising the personal salience
26 of the invitation letter could help to reduce ambiguity (Sallis et al., 2016).
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45

46 Participants wanted continuity in their care and would have rather seen the same
47 person on each visit. This LTC clinic provided the opportunity for patients to engage in
48 discussions about their health and wellbeing with HCPs. The value of time spent interacting
49 with HCPs is reported elsewhere (Baker et al., 2015; Perry et al., 2016; Salisbury et al.,
50 2019). Similarly, the importance of developing relationships to ensure continuity, is also a
51 finding highlighted in other literature (Freeman & Hughes, 2010; Parker et al., 2010). The
52
53
54
55
56
57
58
59
60

1 In pursuit of a person-centred approach to care delivery: A qualitative descriptive study of the patient experience
2 of a long-term conditions clinic in general practice.
3
4

5 WHO (2015) definition of continuity of care involves “the degree to which a series of
6 discrete health care events is experienced by people as coherent and interconnected over time,
7 and consistent with their health needs and preferences” (p. 47). Continuity is known to have
8 positive outcomes for patient experience and adherence to treatment (Baker & Jeffers, 2016;
9 Chen et al., 2017). In this study, relationships were central to participants’ perceptions of
10 continuity. When attending several clinics for single disease specialty treatment, our
11 participants indicated dissatisfaction and confusion about who had overall responsibility for
12 their care. Patients clearly valued the relationships, as well as the security and stability that
13 LTC clinic visits provided.
14
15
16
17
18
19
20
21
22
23
24
25
26
27

28 Participants in this study were keen to manage their health and share in decision-
29 making, although opportunities for this were not always obvious. Many were motivated to
30 stay healthy and self-manage their condition, reflecting discourses drawn from broader
31 political movements that encourage patients to make positive lifestyle choices and take
32 responsibility for their own health (Ravn et al., 2016). Whilst some participants favoured
33 directed care, others favoured explicit processes of shared decision-making where goals and
34 plans of care were negotiated. This aligns with NICE (2009, 2016, 2021) guidelines that
35 places emphasis on involving patients in care decisions to improve treatment adherence.
36 Those participants that wanted to be involved in making decisions about their care, welcomed
37 a collaborative approach to planning care, but many of those did not feel involved in
38 recognised care planning activities.
39
40
41
42
43
44
45
46
47
48
49
50
51
52

53 Person-centred care is widely advocated in health policy, research and practice at
54 national and international levels (WHO, 2015; NHS England, 2019), but its application can
55 raise practical challenges. Our findings highlight how services aimed at providing person-
56
57
58
59
60

1 In pursuit of a person-centred approach to care delivery: A qualitative descriptive study of the patient experience
2 of a long-term conditions clinic in general practice.
3
4

5 centred care, may not always be experienced as such by service users, even though these
6 philosophies may underpin the service design. Without interviewing staff working in the
7 clinic, it is not possible to determine exactly what contributed to this outcome; however,
8 comments from our participants correspond with findings from previous research.
9
10
11
12
13
14
15

16 Studies aimed at improving outcomes for people with multiple LTCs, have similarly
17 noted difficulties in establishing effective person-centred care delivery (van der Heide et al.
18 2019; Peters et al., 2020) and are highlighted by participant comments in this study. Reasons
19 that have been suggested for this include the heterogenic nature of the person-centred
20 interventions used in these studies, lack of fidelity to those interventions by clinicians
21 involved, limited staff training, difficulties adapting to new ways of working that were
22 perceived as more time-consuming by clinicians, variation in roles and competencies of
23 clinicians, and participants having to consult with a different clinician to the one they usually
24 saw, affecting the continuity of care (Smith et al., 2021; Fortin et al., 2022). Other studies
25 have demonstrated that services that take a task-orientated, population health-based approach,
26 in preference to offering care tailored to the needs of the individual, are at risk of
27 depersonalising care (Reeve et al., 2012). Personalising care requires a focus on what matters
28 to patients. Recognising patients' priorities rather than focusing on disease and biomedical
29 measurements, can improve their sense of well-being and relationships with HCPs (Chana &
30 Ahluwalia, 2014).
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52

53 Person-centred care is a diverse and multidimensional concept which lacks a
54 consistent definition and agreement of methods of measurements (Mitchell et al., 2022). This
55 may account for the challenges to implementing PCC. The result of this study suggests a
56
57
58
59
60

1 In pursuit of a person-centred approach to care delivery: A qualitative descriptive study of the patient experience
2 of a long-term conditions clinic in general practice.
3
4

5 tension between a service designed to meet policy aims and targets to reducing hospital
6 admissions and providing a person-centred approach suggesting a gap between policy and
7 practice (Reeves et al., 2014; Burt et al., 2014).
8
9
10
11
12
13

14 Some commentators have considered the tensions between providing evidenced -
15 based health care (EBHC) and providing PCC (Kerry et al., 2020; Tonelli, 2020), suggesting
16 that whilst EBHC strives towards looking for causality and generalised patterns from which
17 to base interventions, the intentions of PCC models are diametrically opposed, focusing on
18 the uniqueness of the individual. Wieten (2020) suggests that the privileging of EBHC leans
19 towards providing services that are reductionist and depersonalising. The dissonance between
20 the objectives behind the design of this LTCs service model and our participants' perceptions
21 of that care, highlight the complexities of providing person-centred care (PCC).
22
23
24
25
26
27
28
29
30
31
32
33
34

35 Patient-centred care, patient partnership and engagement are stock phrases rooted in
36 this LTCs clinic's philosophy. Designing services from the "third person perspective" of the
37 HCP, rather than from the "first person perspective" of the individual experiencing the
38 service (Owens & Cribb, 2012, p.269), risks an "information asymmetry" between what is
39 considered important to health providers and what matters to health care users (Barile at al.,
40 2014, p. 211). It is becoming increasingly recognised that rather than viewing PCC as
41 something that is provided to patients by clinicians, a shift in thinking is needed that
42 embraces a partnership approach; builds on mutual respect, acknowledging the personhood of
43 both the patient and clinician. This requires a transformation in the balance of power between
44 patients and practitioners through epistemic reciprocity and the co-production of services
45 (Loughlin et al., 2019; Dell'Olio et al., 2023). Co-production of health services may provide
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60

1 In pursuit of a person-centred approach to care delivery: A qualitative descriptive study of the patient experience
2 of a long-term conditions clinic in general practice.
3
4

5 the solution to the dissonance identified in these participants' comments- that staff were more
6 interested in tasks and numbers than in them as a person. Co-production approaches
7 challenge traditional assumptions of health care as a provider-led service.
8
9
10
11
12
13

14 Co-production of health care services has been defined as “The interdependent work
15 of users and professionals to design, create, develop, deliver, assess and improve the
16 relationships and actions that contribute to the health of individuals and populations”
17 (Batalden, 2018, p.2). Designing services and values that are co-produced by both HCP and
18 patients is not without its challenges. These include shortages of resource, the pervasiveness
19 of an illness-centred approach to delivering care, perceptions of cultural distance and
20 differences in understandings of health-related problems (Roberts et al, 2014). Co-
21 production, however, is considered to enhance service quality, increase the effectiveness of
22 treatment and sharing of ideas, improving patient satisfaction (Palumbo, 2016). This may be
23 one solution to addressing the disconnect, identified in this study, between how a health
24 service is delivered and how it is perceived by those who use the service.
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41

42 **Strengths and limitations**

43
44 The strength of this qualitative research is in providing real-world insight into patients'
45 unique experiences of attending a dedicated LTC clinic in primary care. We were not able to
46 capture the impact of the clinic from the clinicians' viewpoint, to consider the perceptions and
47 experiences of the clinicians themselves, however, the purpose of this study was to champion
48 the patient's experience. These results need to be interpreted with caution as the study involved
49 a homogeneous white, older population, and was conducted in one site in a remote coastal
50 town, however, it aids the understanding of the needs and experiences of people living with
51
52
53
54
55
56
57
58
59
60

1 In pursuit of a person-centred approach to care delivery: A qualitative descriptive study of the patient experience
2 of a long-term conditions clinic in general practice.
3
4

5 multiple LTCs, offering useful insights into the challenges of care provision for this group of
6
7 patients.
8
9

10 11 12 13 **Conclusion** 14

15 Patient experience is increasingly recognised as an important measure of the quality
16 of health care provision in the National Health Service in the UK. Our findings indicate that a
17 dedicated LTCs review clinic has potential to empower patients to manage their health and
18 enhance well-being, however, this study identifies the difficulty in delivering person-centred
19 care. We suggest there is a need to conceptualise what person-centred care looks like to
20 patients at the outset of any new service. The dissonance observed between participants'
21 perceptions of the service and the aims of the service model, demonstrate a need for cultural
22 change and ways of working that are cognisant of the perceptual gap between HCPs and
23 recipients of care. Designing services that are coproduced by both HCPs and patients, may be
24 one solution to designing out any disconnect between how health services are delivered and
25 how they are perceived. This requires a paradigm shift away from traditional biomedical
26 models of care that prevail in current health service delivery, towards approaches focused on
27 the individual's experiences of living with multiple LTCs and personal need.
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53

54 **References**

- 55 Academy of Medical Sciences. (2018). *Multimorbidity: A priority for global health research*.
56 Academy of Medical Sciences. <https://acmedsci.ac.uk/file-download/82222577>
57
58 Baker, C., Loughren, E. A., Crone, D., & Kallfa, N. (2015). Patients' perceptions of a NHS
59 health check in the primary care setting. *Quality in Primary Care*, 22(5), 232-237.
60

In pursuit of a person-centred approach to care delivery: A qualitative descriptive study of the patient experience of a long-term conditions clinic in general practice.

- Baker, M., & Jeffers, H. (2016). *Continuity of care in modern day general practice*. Royal College of General Practitioners.
- Barile, S., Saviano, M., & Polese, F. (2014). Information asymmetry and co-creation in health care services. *Australasian Marketing Journal*, 22(3), 205-217.
<https://doi.org/10.1016/j.ausmj.2014.08.008>
- Barnett, K., Mercer, S. W., Norbury, M., Watt, G., Wyke, S., & Guthrie, B. (2012). Epidemiology of multimorbidity and implications for health care, research, and medical education: a cross-sectional study. *The Lancet*, 380(9836), 37-43.
[https://doi.org/https://doi.org/10.1016/S0140-6736\(12\)60240-2](https://doi.org/https://doi.org/10.1016/S0140-6736(12)60240-2)
- Batalden, P. (2018). Getting more health from healthcare: quality improvement must acknowledge patient coproduction—an essay by Paul Batalden. *BMJ*, k3617.
<https://doi.org/10.1136/bmj.k3617>
- Berger, R. (2015). Now I see it, now I don't: researcher's position and reflexivity in qualitative research. *Qualitative Research*, 15(2), 219-234.
<https://doi.org/10.1177/1468794112468475>
- Bonner, A., Havas, K., Stone, C., Abel, J., Barnes, M., Tam, V., & Douglas, C. (2020). A multimorbidity nurse practitioner-led clinic: Evaluation of health outcomes. *Collegian*, 27(4), 430-436. <https://doi.org/10.1016/j.colegn.2019.11.010>
- Bradshaw, C., Atkinson, S., & Doody, O. (2017). Employing a Qualitative Description Approach in Health Care Research. *Global Qualitative Nursing Research*, 4, 233339361774228. <https://doi.org/10.1177/2333393617742282>
- Brown, G.C. (2015) Living too long: the current focus of medical research on increasing the quantity, rather than the quality, of life is damaging our health and harming the economy. *EMBO Reports*, 16(2), 137-41. <https://doi.org/10.15252/embr.201439518>
- Brooks, H. L., Rogers, A., Sanders, C., & Pilgrim, D. (2015). Perceptions of recovery and prognosis from long-term conditions: The relevance of hope and imagined futures. *Chronic Illness*, 11(1), 3-20. <https://doi.org/10.1177/1742395314534275>
- Burt, J., Rick, J., Blakeman, T., Protheroe, J., Roland, M., & Bower, P. (2014). Care plans and care planning in long-term conditions: A conceptual model. *Primary Health Care Research and Development*, 15(4), 342-354.
<https://doi.org/10.1017/S1463423613000327>
- Cassell, A., Edwards, D., Harshfield, A., Rhodes, K., Brimicombe, J., Payne, R., & Griffin, S. (2018). The epidemiology of multimorbidity in primary care: a retrospective cohort study. *British Journal of General Practice*, 68(669), e245-e251.
<https://doi.org/10.3399/bjgp18x695465>
- Chafe, R. (2017). The value of qualitative description in health services and policy research. *Healthcare Policy*, 12(3), 12.
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5344360/>

In pursuit of a person-centred approach to care delivery: A qualitative descriptive study of the patient experience of a long-term conditions clinic in general practice.

Chana, N., & Ahluwalia, S. (2014). Evaluating the care of patients with long term conditions. *London Journal of Primary Care*, 6(6), 131-135. <https://doi.org/10.1080/17571472.2014.11494364>

Chen, H. M., Tu, Y. H., & Chen, C. M. (2017). Effect of continuity of care on quality of life in older adults with chronic diseases: a meta-analysis. *Clinical Nursing Research*, 26(3), 266-284.

Chew-Graham, C., O'Toole, L., Taylor, J., & Salisbury, C. (2019). 'Multimorbidity': an acceptable term for patients or time for a rebrand?. *British Journal of General Practice*, 69, 372–373. <https://doi.org/10.3399/bjgp19x704681>

Chowdhury, S.R., Chandra Das, D., Sunna, T.C., Beyene, J., & Hossain, A. (2023). Global and regional prevalence of multimorbidity in the adult population in community settings: a systematic review and meta-analysis. *eClinicalMedicine* 57, 101860. <https://doi.org/10.1016/j.eclinm.2023.101860>

Diabetes UK, Department of Health, The Health Foundation, & NHS Diabetes. (2011). *Year of Care: Report of findings from the pilot programme*. Diabetes UK, Department of Health, The Health Foundation, & NHS Diabetes.

Dell'Olio, M., Whybrow, P., & Reeve, J. (2023). Examining the knowledge work of person-centred care: Towards epistemic reciprocity. *Patient Education and Counseling*, 107, 107575. <https://doi.org/10.1016/j.pec.2022.107575>

Doyle, L., McCabe, C., Keogh, B., Brady, A., & McCann, M. (2020). An overview of the qualitative descriptive design within nursing research. *Journal of Research in Nursing*, 25(5), 443–455. <https://doi.org/10.1177/1744987119880234>

Eaton, S., Roberts, S., & Turner, B. (2015). Delivering person centred care in long term conditions. *BMJ*, 350(h181). <https://doi.org/10.1136/bmj.h181>

Eklund, J. H., Holmström, I. K., Kumlin, T., Kaminsky, E., Skoglund, K., Högländer, J., Sundler, A.J., Conén, E., & Meranius, M. S., (2019). "Same same or different?" A review of reviews of person-centered and patient-centered care. *Patient Education and Counseling*, 102(1), 3-11. <https://doi.org/10.1016/j.pec.2018.08.029>

Fortin, M., Stewart, M., Almirall, J., & Beupré, P. (2022). Challenges in multimorbidity research: Lessons learned from the most recent randomized controlled trials in primary care. *Frontiers in Medicine*, 9, 401. <https://doi.org/10.3389/fmed.2022.815783>

Francis, J.J., Johnston, M., Robertson, C., Glidewell, L, Entwistle, V., Eccles, M.P., & Grimshaw, J.M. (2010). What is an adequate sample size? Operationalising data saturation for theory-based interview studies. *Psychology & Health*, 25(10), 1229–45. <https://doi.org/10.1080/08870440903194015>

Freeman, G., & Hughes, J. (2010). *Continuity of care and the patient experience*. The King's Fund.

In pursuit of a person-centred approach to care delivery: A qualitative descriptive study of the patient experience of a long-term conditions clinic in general practice.

- Frølich, A., Ghith, N., Schiøtz, M., Jacobsen, R., & Stockmarr, A. (2019). Multimorbidity, healthcare utilization and socioeconomic status: a register-based study in Denmark. *PLOS ONE*, *14*(8), e0214183. <https://doi.org/10.1371/journal.pone.0214183>
- Gale, N.K., Heath, G., Cameron, E., Rashid, S., & Redwood, S. (2013) Using the framework method for the analysis of qualitative data in multi-disciplinary health research. *BMC Medical Research Methodology*, *13*(117). <https://doi.org/10.1186/1471-2288-13-117>
- Guest, G., Bunce, A., & Johnson, L. (2006). How Many Interviews Are Enough? *Field Methods*, *18*(1), 59–82. <https://doi.org/10.1177/1525822x05279903>
- Guest, G., Namey, E., & Chen, M. (2020). A simple method to assess and report thematic saturation in qualitative research. *PLOS ONE*, *15*(5), e0232076. <https://doi.org/10.1371/journal.pone.0232076>
- Haines, B., & Kirk, S. (2020). Multimorbidity: Preparing for the new norm. *InnovAiT*, *13*(8), 500-502. <https://doi.org/10.1177/1755738020904751>
- Hajat, C., & Stein, E. (2018). The global burden of multiple chronic conditions: A narrative review. *Preventive Medicine Reports*, *12*, 284-293. <https://doi.org/10.1016/j.pmedr.2018.10.008>
- Harding, E., Wait, S., & Scrutton, J., (2015). *The state of play in person-centred care*. The Health Policy Partnership.
- Health Foundation. (2016). *Person-centred care made simple: What everyone should know about person-centred care*. Health Foundation
- Hennink, M., & Kaiser, B.N. (2022) Sample sizes for saturation in qualitative research: A systematic review of empirical tests. *Social Science & Medicine*, *292*, 114523. <https://doi.org/10.1016/j.socscimed.2021.114523>
- Ho, I.S.S., Azcoaga-Lorenzo, A., Akbari, A., Davies, J., Hodgins, P., Khunti, K., Kadam, U., Lyons, R., Mccowan, C., Mercer, S.W., Nirantharakumar, K., & Guthrie, B. (2022). Variation in the estimated prevalence of multimorbidity: systematic review and meta-analysis of 193 international studies. *BMJ Open* *12*, e057017. <https://doi.org/10.1136/bmjopen-2021-057017>
- Hunt, M. R. (2009). Strengths and challenges in the use of interpretive description: reflections arising from a study of the moral experience of health professionals in humanitarian work. *Qualitative Health Research*, *19*(9), 1284-1292. <https://doi.org/https://doi.org/10.1177/1049732309344612>
- Imison, C., Curry, N., Holder, H., Castle-Clarke, S., Nimmons, D., Appleby, J., Thorlby, R., & Lombardo, S. (2017). *Shifting the balance of care: great expectations*. Nuffield Trust.
- Jivraj, S., Goodman, A., Pongiglione, B., & Ploubidis, G.B. (2020). Living longer but not necessarily healthier: The joint progress of health and mortality in the working-age

In pursuit of a person-centred approach to care delivery: A qualitative descriptive study of the patient experience of a long-term conditions clinic in general practice.

population of England. *Population Studies*, 74(3), 399–414.
<https://doi.org/10.1080/00324728.2020.1767297>

Johnston, M. C., Crilly, M., Black, C., Prescott, G. J., & Mercer, S. W. (2019). Defining and measuring multimorbidity: a systematic review of systematic reviews. *European Journal of Public Health*, 29(1), 182–189. <https://doi.org/10.1093/eurpub/cky098>

Kerry, R., Low, M., & O'Sullivan, P. (2020). Person-centred clinical reasoning and evidence-based healthcare. *European Journal for Person Centered Healthcare*, 8(2), 215–225. <https://doi.org/10.1093/eurpub/cky098>

Kim, H., Sefcik, J. S., & Bradway, C. (2017). Characteristics of Qualitative Descriptive Studies: A Systematic Review. *Research in Nursing & Health*, 40(1), 23–42. <https://doi.org/10.1002/nur.21768>

Kingston, A., Robinson, L., Booth, H., Knapp, M., Jagger, C., & project, M. (2018). Projections of multi-morbidity in the older population in England to 2035: estimates from the Population Ageing and Care Simulation (PACSim) model. *Age and Ageing*, 47(3), 374–380. <https://doi.org/10.1093/ageing/afx201>

Larkin, J., Foley, L., Smith, S.M., Harrington, P., & Clyne, B. (2021). The experience of financial burden for people with multimorbidity: A systematic review of qualitative research. *Health Expectations*, 24(2), 282–295. <https://doi.org/10.1111/hex.13166>

Lincoln, Y. S., & Guba, E. G. (1985). *Naturalistic Inquiry*. SAGE.

Loughlin, M., Buetow, S., Cournoyea, M., Copeland, S.M., Chin-Yee, B., Fulford, K.W.M., (2019). Interactions between persons—Knowledge, decision making, and the co-production of practice. *Journal of Evaluation in Clinical Practice*, 25(6), 911–920. <https://doi.org/10.1111/jep.13297>

Mann, C., Shaw, A. R., Guthrie, B., Wye, L., Man, M.-S., Chaplin, K., & Salisbury, C. (2019). Can implementation failure or intervention failure explain the result of the 3D multimorbidity trial in general practice: mixed-methods process evaluation. *BMJ Open*, 9(11), e031438. <https://doi.org/doi:10.1136/bmjopen-2019-031438>

Mitchell, P., Cribb, A., & Entwistle, V. (2022). Vagueness and variety in person-centred care. *Wellcome Open Research*, 7, 170. <https://doi.org/10.12688/wellcomeopenres.17970.1>

Moon, K., & Blackman, D. (2014). A Guide to Understanding Social Science Research for Natural Scientists. *Conservation Biology*, 28(5), 1167–1177. <https://doi.org/10.1111/cobi.12326>

Muth, C., van den Akker, M., Blom, J. W., Mallen, C. D., Rochon, J., Schellevis, F. G., Becker, A., Beyer, M., Gensichen, J., Kirchner, H., Perera, R., Prados-Torres, A., Scherer, M., Thiem, U., van den Bussche, H., & Glasziou, P. P. (2014). The Ariadne principles: how to handle multimorbidity in primary care consultations. *BMC Medicine*, 12(1), 223. <https://doi.org/10.1186/s12916-014-0223-1>

In pursuit of a person-centred approach to care delivery: A qualitative descriptive study of the patient experience of a long-term conditions clinic in general practice.

- Namey, E., Guest, G., McKenna, K., & Chen, M. (2016). Evaluating bang for the buck: a cost-effectiveness comparison between individual interviews and focus groups based on thematic saturation levels. *American Journal of Evaluation*, 37(3), 425-440. <https://doi.org/10.1177/1098214016630406>
- National Institute for Health and Care Excellence (NICE). (2009). *Medicines adherence: involving patients in decisions about prescribed medicines and supporting adherence* [Clinical Guideline CG76] NICE. <https://www.nice.org.uk/guidance/cg76>
- National Institute for Health and Care Excellence (NICE). (2016). *Multimorbidity: clinical assessment and management* [NICE Guideline NG56]. <https://www.nice.org.uk/guidance/ng56>
- National Institute for Health and Care Excellence (NICE). (2021). *Shared decision making* [NICE Guideline NG197]. <https://www.nice.org.uk/guidance/ng197/resources/shared-decision-making-pdf-66142087186885>
- National Voices. (2014). *Care and support planning guide*. Retrieved 2 September from https://www.nationalvoices.org.uk/sites/default/files/public/publications/guide_to_care_and_support_planning_0.pdf
- Neergaard, M. A., Olesen, F., Andersen, R. S., & Sondergaard, J. (2009). Qualitative description - the poor cousin of health research? *BMC Medical Research Methodology*, 9, 52. <https://doi.org/10.1186/1471-2288-9-52>
- NHS England. (2016). *Personalised care and support planning handbook: The journey to person-centred care. Supplementary information on practical delivery*. <https://www.england.nhs.uk/wp-content/uploads/2016/04/practcl-del-care-support-planning.pdf>
- NHS England. (2019). The NHS Long Term Plan. NHS England. <https://www.longtermplan.nhs.uk/>
- Nolte, E., Knai, C., & Saltman, R.B. (2014) *Assessing chronic disease management in European health systems: Concepts and approaches*. Copenhagen (Denmark): European Observatory on Health Systems and Policies.
- Office for National Statistics. (2022). *Health state life expectancies by national deprivation deciles, England: 2018 to 2020*. Office for National Statistics. <https://www.ons.gov.uk/peoplepopulationandcommunity/healthandsocialcare/healthinequalities/bulletins/healthstatelifeexpectanciesbyindexofmultipledeprivationimd/latest>
- Owens, J., & Cribb, A. (2012). Conflict in Medical Co-Production: Can a Stratified Conception of Health Help? *Health Care Analysis*, 20(3), 268-280. <https://doi.org/10.1007/s10728-011-0186-8>
- Palumbo, R., 2016. Contextualizing co-production of health care: a systematic literature review. *International Journal of Public Sector Management*, 29(1), 72-90. <https://doi.org/10.1108/ijpsm-07-2015-0125>

In pursuit of a person-centred approach to care delivery: A qualitative descriptive study of the patient experience of a long-term conditions clinic in general practice.

- Parker, G., Corden, A. & Heaton, J. (2010). *Synthesis and conceptual analysis of the SDO's programme of research on continuity of care*. National Co-ordinating Centre for Service Delivery and Organisation, London, UK.
- Pearson-Stuttard, J., Ezzati, M., & Gregg, E. W. (2019). Multimorbidity—a defining challenge for health systems. *The Lancet Public Health*, 4(12), e599-e600. [https://doi.org/https://doi.org/10.1016/S2468-2667\(19\)30222-1](https://doi.org/https://doi.org/10.1016/S2468-2667(19)30222-1)
- Perry, C., Thurston, M., Alford, S., Cushing, J., & Panter, L. (2016). The NHS health check programme in England: a qualitative study. *Health Promotion International*, 31(1), 106-115. <https://doi.org/10.1093/heapro/dau059>
- Peters, V. J. T., Meijboom, B. R., Bunt, J. E. H., Bok, L. A., Van Steenberghe, M. W., De Winter, J. P., & De Vries, E. (2020). Providing person-centered care for patients with complex healthcare needs: A qualitative study. *PLOS ONE*, 15(11), e0242418. <https://doi.org/10.1371/journal.pone.0242418>
- Ravn, I. M., Frederiksen, K., & Beedholm, K. (2016). The chronic responsibility: a critical discourse analysis of Danish chronic care policies. *Qualitative Health Research*, 26(4), 545-554. <https://doi.org/https://doi.org/10.1177/1049732315570133>
- Reeve, J., Lynchma, T., Lloyd-Williams, M., & Payne, S. (2012). From personal challenge to technical fix: the risks of depersonalised care. *Health & Social Care in the Community*, 20(2), 145-154. <https://doi.org/10.1111/j.1365-2524.2011.01026.x>
- Reeves, D., Hann, M., Rick, J., Rowe, K., Small, N., Burt, J., Roland, M., Protheroe, J., Blakeman, T., Richardson, G., Kennedy, A., & Bower, P. (2014). Care plans and care planning in the management of long-term conditions in the UK: a controlled prospective cohort study. *The British Journal of General Practice*, 64(626), e568-e575. <https://doi.org/10.3399/bjgp14X681385>
- Ritchie, J., & Spencer, L. (1994). Qualitative Data Analysis for Applied Policy Research. In Bryman, A. & Burgess, B. (Eds.), *Analyzing Qualitative Data*. Routledge.
- Ritchie, J., & Spencer, L. (2002). Qualitative data analysis for applied policy research. In Huberman, A. M., & Miles, M. B. (Eds.) (2002). *The Qualitative Researcher's Companion* (pp. 305-329). SAGE Publications, Inc.
- Roberts, A., Nimegeer, A., Farmer, J., & Heaney, D. J. (2014). The experience of community first responders in co-producing rural health care: in the liminal gap between citizen and professional. *BMC Health Services Research*, 14(1), 1-10. <https://doi.org/10.1186/1472-6963-14-460>
- Rosbach, M., & Andersen, J. S. (2017). Patient-experienced burden of treatment in patients with multimorbidity—A systematic review of qualitative data. *PLOS ONE*, 12(6), e0179916. <https://doi.org/https://doi.org/10.1371/journal.pone.0179916>
- Salisbury, C., Man, M.-S., Bower, P., Guthrie, B., Chaplin, K., Gaunt, D. M., Brookes, S., Fitzpatrick, B., Gardner, C., & Hollinghurst, S. (2018). Management of multimorbidity using a patient-centred care model: a pragmatic cluster-randomised

In pursuit of a person-centred approach to care delivery: A qualitative descriptive study of the patient experience of a long-term conditions clinic in general practice.

trial of the 3D approach. *The Lancet*, 392(10141), 41-50.
[https://doi.org/https://doi.org/10.1016/S0140-6736\(18\)31308-4](https://doi.org/https://doi.org/10.1016/S0140-6736(18)31308-4)

Salisbury, C., Man, M.-S., Chaplin, K., Mann, C., Bower, P., Brookes, S., Duncan, P., Fitzpatrick, B., Gardner, C., & Gaunt, D. M. (2019). A patient-centred intervention to improve the management of multimorbidity in general practice: the 3D RCT. *Health Services and Delivery Research*, 7(5).
<https://doi.org/https://doi.org/10.3310/hsdr07050>

Sallis, A., Bunten, A., Bonus, A., James, A., Chadborn, T., & Berry, D. (2016). The effectiveness of an enhanced invitation letter on uptake of National Health Service Health Checks in primary care: a pragmatic quasi-randomised controlled trial. *BMC Family Practice*, 17, 1-8. <https://doi.org/https://doi.org/10.1186/s12875-016-0426-y>

Sandelowski, M. (2010). What's in a name? Qualitative description revisited. *Research in Nursing & Health*, 33(1), 77-84. <https://doi.org/https://doi.org/10.1002/nur.20362>

Saunders, B., Sim, J., Kingstone, T., Baker, S., Waterfield, J., Bartlam, B., Burroughs, H., & Jinks, C. (2018). Saturation in qualitative research: exploring its conceptualization and operationalization. *Quality & Quantity*, 52, 1893–1907.
<https://doi.org/10.1007/s11135-017-0574-8>

Schiøtz, M.L., Stockmarr, A., Høst, D., Glümer, C., & Frølich, A. (2017). Social disparities in the prevalence of multimorbidity. A register-based population study. *BMC Public Health*, 17, 422. <https://doi.org/10.1186/s12889-017-4314-8>

Sinnott, C., Mc Hugh, S., Browne, J., & Bradley, C. (2013). GPs' perspectives on the management of patients with multimorbidity: systematic review and synthesis of qualitative research. *BMJ Open* 3, e003610. <https://doi.org/10.1136/bmjopen-2013-003610>

Skou, S. T., Mair, F. S., Fortin, M., Guthrie, B., Nunes, B. P., Miranda, J. J., Boyd, C. M., Pati, S., Mtenga, S., & Smith, S. M. (2022). Multimorbidity. *Nature Reviews Disease Primers*, 8(1), 48. <https://doi.org/https://doi.org/10.1038/s41572-022-00376-4>

Smith, S. M., Wallace, E., Clyne, B., Boland, F., & Fortin, M. (2021). Interventions for improving outcomes in patients with multimorbidity in primary care and community setting: a systematic review. *Systematic Reviews*, 10(1), 271.
<https://doi.org/10.1186/s13643-021-01817-z>

Soley-Bori, M., Ashworth, M., Bisquera, A., Dodhia, H., Lynch, R., Wang, Y., & Fox-Rushby, J., (2021). Impact of multimorbidity on healthcare costs and utilisation: a systematic review of the UK literature. *British Journal of General Practice*, 71(702), e39-e46. <https://doi.org/10.3399/bjgp20X713897>

Stafford, M., Steventon, A., Thorlby, R., Fisher, R., Turton, C., & Deeny, S. (2018). *Briefing: Understanding the health care needs of people with multiple health conditions*. Health Foundation.

In pursuit of a person-centred approach to care delivery: A qualitative descriptive study of the patient experience of a long-term conditions clinic in general practice.

- Stagg, A.L., Harber-Aschan, L., Hatch, S.L., Fear, N.T., Dorrington, S., Madan, I., & Stevelink, S.A.M. (2023). Risk factors for the progression to multimorbidity among UK urban working-age adults. A community cohort study. *PLoS One*, 18(9), e0291295. <https://doi.org/10.1371/journal.pone.0291295>
- The Taskforce on Multiple Conditions. (2018). *“Just one thing after another”: Living with multiple conditions. A report from the Taskforce on Multiple Conditions*. The Richmond Group of Charities. [final_just_one_thing_after_another_report_-_singles.pdf \(richmondgroupofcharities.org.uk\)](https://richmondgroupofcharities.org.uk/final_just_one_thing_after_another_report_-_singles.pdf)
- Tonelli, M. (2020). Case-based reasoning. *European Journal for Person Centered Healthcare*, 8(2), 207-214. <https://doi.org/http://dx.doi.org/10.5750/ejpc.v8i2.1844>
- Thorne, S., Kirkham, S. R., & MacDonald-Emes, J. (1997). Interpretive description: A noncategorical qualitative alternative for developing nursing knowledge. *Research in Nursing & Health*, 20(2), 169-177. [https://doi.org/10.1002/\(SICI\)1098-240X\(199704\)20:2<169::AID-NUR9>3.0.CO;2-I](https://doi.org/10.1002/(SICI)1098-240X(199704)20:2<169::AID-NUR9>3.0.CO;2-I)
- Tran, P. B., Kazibwe, J., Nikolaidis, G. F., Linnosmaa, I., Rijken, M., & van Olmen, J., (2022). Costs of multimorbidity: a systematic review and meta-analyses. *BMC Medicine*, 20(1), 234. <https://doi.org/10.1186/s12916-022-02427-9>
- van der Heide, I., Snoeijs, S., Quattrini, S., Struckmann, V., Hujala, A., Schellevis, F., & Rijken, M. (2018). Patient-centeredness of integrated care programs for people with multimorbidity. Results from the European ICARE4EU project. *Health Policy*, 122(1), 36–43. <https://doi.org/10.1016/j.healthpol.2017.10.005>
- Violan, C., Foguet-Boreu, Q., Flores-Mateo, G., Salisbury, C., Blom, J., Freitag, M., Glynn, L., Muth, C., Valderas, J.M., (2014). Prevalence, Determinants and Patterns of Multimorbidity in Primary Care: A Systematic Review of Observational Studies. *PLOS ONE*, 9, e102149. <https://doi.org/10.1371/journal.pone.0102149>
- Wagner E. H. (1998). Chronic disease management: What will it take to improve care for chronic illness? *Effective Clinical Practice*, 1(1), 2–4.
- Wallace, E., Salisbury, C., Guthrie, B., Lewis, C., Fahey, T. & Smith, S.M. (2015). Managing patients with multimorbidity in primary care. *BMJ*, 350, h176–h176. <https://doi.org/10.1136/bmj.h176>
- Ward, D. J., Furber, C., Tierney, S., & Swallow, V. (2013). Using Framework Analysis in nursing research: a worked example. *Journal of Advanced Nursing*, 69(11), 2423-2431. <https://doi.org/https://doi.org/10.1111/jan.12127>
- Wieten, S. (2020). More Person-Centered?: the move from Evidence-Based Medicine to Precision Medicine. *European Journal for Person Centered Healthcare*, 8(2), 226-234. <http://dx.doi.org/10.5750/ejpc.v8i2.1846>
- Welsh, C. E., Matthews, F. E., & Jagger, C. (2021). Trends in life expectancy and healthy life years at birth and age 65 in the UK, 2008–2016, and other countries of the EU28:

1 In pursuit of a person-centred approach to care delivery: A qualitative descriptive study of the patient experience
2 of a long-term conditions clinic in general practice.
3
4

5 An observational cross-sectional study. *The Lancet Regional Health - Europe*, 2,
6 100023. <https://doi.org/10.1016/j.lanepe.2020.100023>
7

8 Whitty, C. J. (2017). Harveian Oration 2017: Triumphs and challenges in a world shaped by
9 medicine. *Clinical Medicine*, 17(6), 537–544.
10 <https://doi.org/10.7861/clinmedicine.17-6-537>
11

12 Whitty, C. (2021). *Chief medical officer's annual report 2021: health in coastal communities*.
13 Department of Health and Social Care.
14 [https://www.gov.uk/government/publications/chief-medical-officers-annual-report-](https://www.gov.uk/government/publications/chief-medical-officers-annual-report-2021-health-in-coastal-communities)
15 [2021-health-in-coastal-communities](https://www.gov.uk/government/publications/chief-medical-officers-annual-report-2021-health-in-coastal-communities)
16
17

18 World Health Organization. (2013). *Global action plan for the prevention and control of*
19 *noncommunicable diseases 2013–2030*. World Health Organization.
20 <https://iris.who.int/handle/10665/94384>
21

22 World Health Organization. (2015). *WHO global strategy on people-centred and integrated*
23 *health services: interim report*. World Health Organization.
24 <https://iris.who.int/handle/10665/155002>
25
26

27 World Health Organization. (2023) *World health statistics 2023: monitoring health for the*
28 *SDGs, Sustainable Development Goals*. Geneva: World Health Organization.
29 <https://iris.who.int/handle/10665/367912>
30

31 Zhao, J., Gao, S., Wang, J., Liu, X., & Hao, Y. (2016). Differentiation between two
32 healthcare concepts: Person-centered and patient-centered care. *International Journal*
33 *of Nursing Sciences*, 2352(0132), 10-1016. <https://doi.org/10.1016/j.ijnss.2016.08.009>
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60