Understanding the lived experiences of family caregivers of individuals with dementia in Soweto, a South African Township

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Abstract
This study was undertaken to understand South African family caregivers’ lived experiences of individuals living with dementia in a predominantly Black African township. A homogenous sample of thirty family caregivers was recruited using purposeful sampling methods and interviewed using a semi-structured approach. Reflective Thematic Analysis (RTA) yielded four broad themes: Understanding Dementia, Struggles and Sacrifice, Mental Health and Protective Factors. Findings reflect how dementia is understood by family caregivers and their community, the struggles and sacrifices that they endure, the impact of caregiving on caregiver mental health and the protective factors that enable caregivers to cope, despite their difficulties. Our findings lead to new insights regarding dementia caregiving amongst family caregivers in South Africa. First, there appears to be a shift in perception – away from a cultural/spiritual paradigm – and a lack of pressure to conform to community conceptualizations of dementia among individual caregivers. Second, dementia caregiving had a negative effect on caregiver mental health and elicited stress, anxiety and grief reactions. Third, caregivers did not feel emotionally supported and expressed not receiving any assistance with their daily practical tasks. Fourth, before receiving a diagnosis, family caregivers were viewed as the perpetrators of abuse and/or neglect against their family members with dementia, instead of individuals with dementia being stigmatized by the community due to their behavioural symptoms. Additionally, help-seeking was not hindered by fear or stigma, but was motivated by caregiver distress as dementia-related behaviours began to manifest and caregivers feared being perceived as perpetrators of abuse. Psychoeducational interventions should be tailored to targeted population groups that are in need of further training to address the lack of awareness in communities,
insufficient knowledge of dementia amongst healthcare professionals and the practical, emotional and psychological difficulties that family caregivers endure to facilitate mental health care and resilience.

**Keywords**
Dementia, mental health, caregiver grief, low-income community

**Introduction**

The term dementia characterizes a cluster of neurodegenerative diseases (Devinsky & D’esposito, 2004; Lezak et al., 2012) with high global prevalence rates that are expected to increase considerably by the year 2050 (Morgan et al., 2011; Nichols et al., 2019). Globally, an estimated 55.2 million individuals live with dementia – 1.9 million of which reside in the African region (World Health Organization; WHO, 2021). According to the Global Burden of Disease (GBD) study, the estimated global mortality rate in 2019 was 1.62 million. Furthermore, projected dementia prevalence rates amongst low and middle-income countries such as Sub-Saharan Africa are a reason for concern, as figures are predicted to rise by 70–90% (De Jager et al., 2015). The most common neurodegenerative disorder amongst the dementia cluster is Alzheimer’s disease (AD), which encompasses 60–80% of dementia diagnoses (Alzheimer’s Association, 2017; Kabir et al., 2020; Slattum et al., 2014). Dementia in South Africa is considered as part of the top 50 causes of mortality and is rated 31 amongst global mortality estimates (Meyer et al., 2016).

Despite these increasing prevalence rates of dementia in low and middle-income countries, health services cannot meet the demands that the disease imposes (Kalula & Petros, 2011). Subsequently, family caregivers are expected to provide care for their family members with dementia by tending to their personal (bathing, dressing, feeding, toileting, grooming), medical (administering medication and other healthcare needs such as comorbid illnesses), domestic (laundry and meal preparation), financial and transportation needs (Black et al., 2013; Brodaty & Donkin, 2009; Hooymann & Kiyak, 2002; Joubert, 2005). As dementia continues to manifest and their family member with dementia deteriorates both cognitively and behaviourally (Devinsky & D’esposito, 2004; Dong et al., 2012), caregiving demands increase in intensity, time and complexity (Black et al., 2013; Tremont, 2011). In turn, caregivers are riddled with challenges that affect their physical, psychological, emotional health – factors that have been attributed to caregiver burden (Brodaty & Donkin, 2009; Harmell et al., 2011; Kabir et al., 2020; Prorok et al., 2013; Ransmayr et al., 2018; Sanders et al., 2008; Takai et al., 2011; Truzzi et al., 2012).

Studies have also found that caregivers with depression and higher levels of burden especially nearing the end-of-life stage, are vulnerable to grief reactions that are likely to persist over an extended 12-month period after their family member’s death, thereby meeting an important criterion for a bereavement disorder such as Prolonged Grief Disorder (PGD) or Persistent Complex Bereavement in the Diagnostic and Statistical Manual of Mental Disorders (Fifth Edition) (DSM-V) (Passoni et al., 2015; Tremont, 2011). Caregiver grief has been described by Doka (2004) as ‘the constant yet hidden companion of Alzheimer’s disease and other related dementias’ (p. 140), implying the concept of dual dying, where the caregiver first mourns the perceived loss of the individual with dementia before their death (due to their cognitive and behavioural deterioration) and then grieves the loss of the person living with dementia after their physical death has occurred (Moore et al., 2020; Sanders et al., 2008).
The psychological and emotional difficulties experienced by caregivers have also drawn attention in the literature due to its links to caregiver burden. Caregivers have reported decreased well-being, higher stress levels, anxiety and mood disorders (Abreu et al., 2018; Basu & Mukhopadhyay, 2019; Krutter et al., 2020; Tremont, 2011). Moreover, as cognitive and behavioural changes of the individual with dementia manifest (Devinsky & D'esposito, 2004; Dong et al., 2012), caregivers experience feelings of denial and shame and face social exclusion within their communities (Graham et al., 2003; Kahn et al., 2016; Mukadam & Livingston, 2012). Literature has shown that the stigma towards people living with dementia and their caregivers is prevalent across multiple settings, amongst diverse populations and contributes to the burden of care (Blay & Toledo Pisa, 2010; Cheng et al., 2011; Fernando et al., 2010; Gomez-Gomez et al., 2018; Kehoua et al., 2019; Mackenzie, 2006; Mukadam & Livingston, 2012; Su & Chang, 2020). Furthermore, the cultural belief system shared within the community about AD, and related dementias contribute significantly to how people living with dementia and their caregivers are perceived and subsequently treated (Hindley et al., 2016; Mkhonto & Hanssen, 2018; Mukadam & Livingston, 2012).

Cultural belief systems amongst African and minority ethnic communities share the understanding that the symptoms of dementia are consequences of supernatural phenomena such as evil spirit possession, witchcraft or a form of retribution by God (Hussain, 2001; Jett, 2006; Khonje et al., 2015; Mkhonto & Hanssen, 2018; Mukadam & Livingston, 2012; Mushi, 2014). Research conducted in South Africa have all highlighted the presence of indigenous/spiritual beliefs as an explanatory model for dementia in multiple low-income, rural and community settings (Bosch, 2014; De Jager et al., 2015, 2017; Ferreira & Makoni, 2002; Gurayah, 2015; Kalula & Petros, 2011; Khonje et al., 2015; Mkhonto & Hanssen, 2018). In keeping with cultural beliefs about dementia, people with dementia are presumed to be witches and their caregivers held responsible for their family member with dementia’s condition due to their lack of faith and are subsequently shunned by the community (Cipriani & Borin, 2014; Mkhonto & Hanssen, 2018). Furthermore, people with dementia who are considered witches are targets of violent and abusive acts that have resulted in murder (Khonje et al., 2015; Leff, 2014; Mkhonto & Hanssen, 2018). According to the South African Pagan Rights Alliance (SAPRA, 2015), there were 76 witch-killings between 2010–2015 – although this may not reflect the full extent of the problem due to the probability of more cases being underreported (Ferreira & Kalula, 2009; Mkhonto & Hanssen, 2018).

As a protective gesture, family caregivers feel obliged to hide the person with dementia away and refrain from seeking further assistance (Forbat, 2003). In turn, this increases caregiver stress, hinders help-seeking, delays diagnosis and deters service use (Ally, 2009; Cipriani & Borin, 2014; Mukadam et al., 2011; Mukadam & Livingston, 2012; Perry-Young et al., 2018; Robinson et al., 2005).

The largest prevalence of informal caregivers are amongst the Black South African population – ‘double the rate’ (Joubert, 2005, p. 107) across Black African, Coloured, Indian and White population groups.1 South African studies that have focused on the dementia caregiver experience highlighted high levels of caregiver burden, resource constraints, the lack of services that caregivers identified in dealing with their daily challenges and the need to intervene with both caregivers and diagnosed family members to facilitate improved overall functioning (Bosch, 2014; Gurayah, 2015; Hendriks-Lalla & Pretorius, 2018; Mahomed & Pretorius, 2020; Pretorius et al., 2009; Van der Poel & Pretorius, 2009). This, together with findings from a sizeable prevalence study (N = 1394) conducted in rural Eastern Cape by De Jager and colleagues in 2017, which indicated a ‘higher than expected burden of dementia in South Africa’ (p. 1094), renders dementia care in South Africa a priority area for individuals with dementia and their caregivers. Despite the multifactorial nature of dementia caregiving and the commonalities found across the literature, a systematic review of 102 qualitative studies of individuals with dementia and their caregivers in communities posited that
beliefs and experiences were context-specific and could be polarised’ (Bunn et al., 2012, pg. 7). In light of this, and the additional challenges that a low socioeconomic context, such as a township may endure in terms of socioeconomic deprivation, resource constraints, poverty, low levels of education and income, social support and the lack of transportation (Kalula & Petros, 2011; Visser & Moleko, 2012) may give rise to specific experiences of South African family caregivers. This is the first South African study that aims to gain both a broader and deeper understanding of the specific experiences of family caregivers of individuals with dementia within a low-income Black African township in SA.

Methods

Participants and recruitment strategy

This study recruited thirty Black South African family caregivers of individuals with dementia via purposive sampling methods. Inclusion criteria for the study were (1) participants 18 years and older, English-speaking, family members who reside in the same home as the person living with dementia in the Soweto area and responsible for their activities of daily living (ADLs) for at least one year. Ethical clearance was obtained by the Research Ethics Committee at Stellenbosch University before the study commenced (PSY-2019-10582). Criteria were shared with the Alzheimer’s South Africa office coordinator, who established initial contact with suitable participants to circumvent any initial resistance and facilitate trust. During this process, participants who indicated their willingness to participate were informed by Alzheimer’s South Africa that the first author would contact them to explain the study and arrange their interview.

Procedure

Upon receipt of the database from Alzheimer’s SA, participants were contacted telephonically by the first author to explain the study’s research objectives. Thereafter, they were invited to participate in the research and encouraged to ask any initial questions pertaining to the study. Participants were informed of their participation as voluntary and that – apart from travel costs to the venue – there will be no costs to them. All participants were reimbursed accordingly for the travel costs that were incurred for transportation to the Alzheimer’s South Africa office. All participants were also informed that they could choose to leave the study at any time and that their withdrawal will not have any negative consequences.

After verbal consent was obtained, interviews were scheduled and conducted by the first author at the Alzheimer’s South Africa office on the date and time best suited to each participant. On the interview day, the research question, aims and objectives were reiterated more comprehensively. Participants were encouraged to ask any additional questions that they had, and the first author addressed any areas of uncertainty. Thereafter, written consent was obtained before data collection commenced. To ensure confidentiality and the protection of the participants’ identities, a numbered system for code names, for example, ‘Family Caregiver 1’ (FC1), was used instead of using any real identifying data. Any information that leads to the revelation of their true identity was omitted. Sample characteristics are outlined in Table 1.

Data collection

Data collection involved in-person, individual interviews using the semi-structured interview guide in Table 2. A semi-structured interview guide allowed for flexible and interactive engagement with participants as they were able to communicate the meaning of their responses while the researcher
clarified using reflective listening. Hence, the questions were made more suitable to the participant (Willig, 2008). The interview guide also included questions that elicited a description of participants’ experiences associated with their role as caregivers. Furthermore, prompting was used where necessary to explore the nuances of their subjective experiences and gain a more in-depth understanding. The duration of each interview was approximately 60–90 minutes. Consent was obtained from participants to audio record their interviews to allow for verbatim transcription. Interviews were transcribed by a transcription service – due to time restrictions and to ensure objectivity and accuracy of participants’ narratives.

### Data analysis

Reflexive Thematic Analysis (RTA) was employed to analyze the dataset (Braun & Clarke (2006; 2019). RTA consists of six stages, namely, (1) familiarization with the data, (2) generating initial

| FC | Gender | Age | Caregiving Dyad                  | Duration of Caregiving (years) | HLOE  |
|----|--------|-----|--------------------------------|-------------------------------|-------|
| 1  | Female | 30  | Granddaughter caring for grandmother | 3                             | Tertiary |
| 2  | Female | 50  | Daughter caring for mother         | 1                             | Tertiary |
| 3  | Male   | 28  | Son caring for mother              | 1                             | Matric  |
| 4  | Male   | 58  | Husband caring for wife            | 5                             | Grade 7 |
| 5  | Female | 23  | Daughter caring for mother         | 2                             | Tertiary |
| 6  | Female | 54  | Daughter caring for mother         | 5                             | Grade 11 |
| 7  | Female | 39  | Daughter caring for mother         | 6                             | Tertiary |
| 8  | Female | 41  | Daughter caring for mother         | 3                             | Tertiary |
| 9  | Female | 47  | Daughter caring for mother         | 2                             | Tertiary |
| 10 | Female | 58  | Daughter caring for mother         | 2                             | Grade 10 |
| 11 | Female | 66  | Wife caring for husband            | 3                             | Tertiary |
| 12 | Male   | 47  | Son caring for mother              | 2                             | Matric  |
| 13 | Female | 20  | Granddaughter caring for grandmother | 2                             | Matric  |
| 14 | Male   | 22  | Grandson caring for grandmother    | 2                             | Matric  |
| 15 | Female | 51  | Daughter caring for mother         | 3                             | Tertiary |
| 16 | Male   | 30  | Son caring for mother              | 6                             | Matric  |
| 17 | Female | 52  | Daughter caring for mother         | 5                             | Matric  |
| 18 | Male   | 51  | Son caring for mother              | 5                             | Grade 11 |
| 19 | Female | 74  | Wife caring for husband            | 4                             | Tertiary |
| 20 | Female | 40  | Daughter caring for mother         | 1                             | Grade 10 |
| 21 | Female | 49  | Daughter caring for mother         | 2                             | Grade 11 |
| 22 | Male   | 74  | Husband caring for wife            | 2                             | Tertiary |
| 23 | Female | 54  | Daughter caring for mother         | 4                             | Tertiary |
| 24 | Female | 60  | Sister caring for sibling           | 3                             | Tertiary |
| 25 | Female | 72  | Wife caring for husband            | 1.5                           | Grade 9 |
| 26 | Female | 50  | Daughter caring for mother         | 5                             | Matric  |
| 27 | Male   | 54  | Son caring for father              | 4                             | Grade 11 |
| 28 | Female | 63  | Wife caring for husband            | 1                             | Grade 10 |
| 29 | Male   | 40  | Son caring for mother              | 1                             | Matric  |
| 30 | Female | 64  | Wife caring for husband            | 3                             | Tertiary |

Note: FC = Family Caregiver; HLOE = Highest level of education; Grade = level at school; Matric = refers to graduating from high school in South Africa; Tertiary = refers to college education
codes, (3) generating themes, (4) reviewing potential themes, (5) defining and naming themes, (6) producing the report. The process is summarized in Table 3. Of note, an inductive approach to coding was used to ensure that the codes best represent the content of the data and are not derived to suit a ‘pre-existing coding frame’ (Byrne, 2021, p. 7).

**Trustworthiness**

The primary aim of trustworthiness is to evaluate the procedures employed during data analysis to ensure that findings convey the closest meanings elicited from the caregivers (Lietz et al., 2006). The proposed study used three methods to ensure the trustworthiness of its findings: Reflection plays a crucial role in qualitative research (Long & Johnson, 2000). During reflection, the author not only examines the thoughts of their research participants but is mindful of their own. A journal to enable author self-reflection was kept for the duration of the interview process. Information from all
interviews and journal material was discussed between co-authors regularly. Thus, ensuring that subjective biases do not influence how the data was interpreted, allowing for objective analysis. *Response validation* is vital to ensure that the collected information accurately reflects the intended message (Long & Johnson, 2000). Hence, during and after each interview, the first author allowed participants to confirm the meanings they conveyed. The first author reiterated participant responses and they were given the opportunity to confirm that the meaning of their responses was accurately interpreted. The aim of this was to establish an accurate and clear understanding of the experiences of the participants. *Peer debriefing* occurs by discussing and verifying the data with colleagues on an ongoing basis to consider additional and alternative perspectives for the duration of the entire interview process (Long & Johnson, 2000). The interviews, themes and interpretations thereof were discussed between authors throughout the process.

**Findings**

The data analysis process yielded four broad themes: *Understanding Dementia, Struggles and Sacrifice, Mental Health and Protective Factors*. Within these broader themes, subthemes were generated to elucidate the complexities of family caregivers’ lived experiences. Selected quotes are presented with participant characteristics to illustrate themes. A tabulated overview of illustrative quotes is available as *supplemental material*.

**Theme 1: Understanding dementia**

**Perceptions**

*Spiritual.* Most caregivers described behavioural changes displayed by ‘grannies’ such as ‘going in the open naked’ or ‘waking up without wearing clothes’, ‘seeing things’, accusing their children of stealing their money in the home and being found alone in other community members back yards at night while talking in a way that does not make sense. Furthermore, caregivers explained that the Black African community perceives these behaviours as demon possession, an ancestral calling or that the person displaying such symptoms is a ‘witch’ who ‘bewitch others’ (Q1–Q3). Notably, none of the caregivers explicitly conceded with any of the cultural perceptions ascribed to their family members with dementia’s observed behaviours. Some caregivers expressed the sentiments: ‘no magic, no witchcraft’, ‘I don’t believe in witchcraft’.

‘In my culture...you find that there are aunties, old ladies who’ve been banned, who’ve been characterized no, who’ve been called witches and they either they were killed, they were stoned, they were banned because they bewitch others and others will be going in the open naked and then they will be branded witches yes’ (Q3 – 47 year old, daughter caring for mother)

*Ageing and forgetting.* Most caregivers expressed that their community commonly perceives memory loss as a natural aspect of ageing. Hence, when their family members with dementia are ‘forgetful’, it is considered ‘normal’ due to their age. Some caregivers’ perceptions aligned with this notion as they mentioned that their family members with dementia are ‘not sick’. In contrast, other caregivers characterized dementia by one of its hallmark features – ‘a loss of memory’ (Q4–Q6).

‘I think us in the more urban areas we know they call it like an old people’s disease. So they don’t really define it as dementia. They just say aaah it’s normal. She’s old’ (Q4 – 51 year old, son caring for mother)
Medical illness. Some caregivers ascribed the behavioural changes that their family members with dementia displayed to a medical illness or disease. Caregivers were unable to provide any further information regarding the nature of the disease, its process and its progression. These caregivers consider dementia as any other medical illness such as ‘TB’ or ‘diabetes’ and that the ‘brain diminishes’ (Q7–Q10). Notably, most of these caregivers mentioned having reached this understanding after obtaining more information through their research and the efforts of their community representative from Alzheimer’s SA. In contrast, one caregiver explicitly stated ‘I wouldn’t say it’s a medical sickness because there is no medicine for it. It cannot be cured’.

‘The way I make sense of it is it is what it is. People get sick, others have cancer and my mum has dementia or others have TB or others have diabetes. It just is what it is’ (Q7 – 40 year old, daughter caring for mother)

‘I think Dementia is another illness that what it just happens or it’s hereditary’ (Q8 – 54 year old, daughter caring for mother)

Going mad. Very few caregivers mentioned that their family members with dementia might be perceived as ‘mad’ and/or ‘crazy’ by community members. One of these caregivers emphasized how they were told explicitly by community members that their family member with dementia was ‘insane’ before receiving a diagnosis (Q12) and how the stigma abated once people had a better understanding (Q13).

‘Ja before from people who actually who told us like she is… I think… insane’ (Q12 – 50 year old, daughter caring for mother)

‘You know when my mom is coming, if she’s angry, she will bang the door, bang the gate, everything, going, passing through all the people and if you are angry it’s not easy for you. You know we were like a laughing stock. But now people, as they know now she is, she has a dementia. They appreciate, you know, and they understand’ (Q13 – 39 year old, daughter caring for mother)

Challenges

Awareness, receiving a diagnosis and accessing treatment. A majority of the caregivers stated that they had no prior awareness of dementia or its symptoms. Hence, most caregivers described the challenges that occurred due to their lack of awareness at the outset. Firstly, when caregivers began to notice the marked behavioural changes of their family members with dementia, they struggled to make sense of what had been occurring (Q14–Q15) and decided to take their family member with dementia to their local clinic to access treatment. Secondly, upon arriving at the clinic, caregivers expressed their frustrations at the healthcare professionals that they engaged with who ‘didn’t know’ and ‘dismissed [the caregiver] just say[ing] it is old age’ (Q16).

‘You know what? Before, before I did not understand it, yes, I was like that, because of I used to shout at her even. Why doing this? Why are you doing that?’ (Q15 – 51 year old, daughter caring for mother)

‘From reading, you know what I did in 2016 I took her to one of our local clinics and I said to the doctor it was for something else but I asked the doctor to help me I said this is what I see my mom is doing, this she’s going through this, she say don’t you know it is old age but then my mother knew that there was such an illness you know and the doctors just let me go dismissed me and just said it is old age’. (Q16 – 58 year old, daughter caring for mother)
At this juncture, several caregivers voiced how their struggles were exacerbated because they were unable to explain to healthcare professionals what their family member with dementia was experiencing – creating a cycle of uncertainty and helplessness (Q17–19). Thirdly and consequently, these individuals did not receive a diagnosis – timeously or at all – and could not access any treatment or assistance for either the caregiver or their family member with dementia (Q20).

‘I think at first, because we didn’t know. So in the beginning, because we didn’t know, we were left to our assumptions. Because obviously, even though we had questions, but we’re also African. So when you go to places where medical practitioners are supposed to know, and then they’re saying they don’t know, but now we know that they didn’t know because they were not psychiatrists or mental doctors in a sense’ (Q17– 40 year old, son caring for mother)

‘Okay. That’s when we say “okay, she’s not okay” and then we went to the Clinic but still it took time because you know clinics, they didn’t like transfer us to the doctor that she is in right now. It took us surely a year doing the same thing over and over again. Just to get treatment after being diagnosed, just to get treatment’ (Q20 – 47 year old, daughter caring for mother)

**Community awareness.** Some caregivers expressed how the lack of awareness within the community also proved challenging initially, as neighbours began to question the behaviours of these individuals and the stories that they were telling. Caregivers were accused of neglecting, mistreating and stealing money from their family members with dementia. This appears to have alerted caregivers to the gravity of the situation, which prompted professional help-seeking (Q21–Q22).

‘Yes because I was tired not knowing what to do, because if it was so worse this time, because she was fighting and going outside and crying to other people, people they will come to me and say your mother is always crying. She is saying that you don’t take care of her, and I would say I don’t understand. And then your mother say that your children they, they are, they give her a problem. So it becomes something that now, it’s like, we are treating her bad. And people now are becoming involved you know. And me I was trying, telling myself that one day she is going to be all right as long as we can keep on doing what is right towards her, but no. Nothing had helped, nothing, nothing you can do whatever you know to do, you can try to understand but you will never understand her. So I saw it becoming worse now as she is going outside crying to other people, it is worse. So I have just decided that I should take the police and take her to hospital’ (Q22 – 52 year old, daughter caring for mother)

**Enduring ambiguity**

This subtheme is presented independently as it permeates all other themes and subthemes. It reflected the current perceptions of caregivers, appeared to be an ongoing challenge and contributed to the difficulties that caregivers were still experiencing. Thus, it shaped the overall narrative of the caregiver experience. All caregivers were asked to articulate their understanding of dementia as their familiarity and caregiving experience grew over time. Notably, most caregivers were still struggling to make sense of dementia and its manifestations despite receiving a diagnosis and accessing the help available to them (Q23–26). Although some caregivers illustrated their progress after obtaining more information – both as a result of their research and the educational efforts of Alzheimer’s South Africa, there was still a sense of ambiguity reflected in their perspectives of dementia (Q27–Q29).

‘To be serious … to be honest, I don’t understand dementia’ (Q23 – 30 year old, son caring for mother)
‘Look, how I make sense of them is – you see my daughter over here – one thing I’m seeing is that there are habits in how we remember and we recall and remember anyway. And I see those habits in us, all of us, so I think it’s, I don’t want to call it dementia, but it’s just a habit in recalling and thinking. So I’ve just seen that with her it’s gotten to like a scary place, I’ll call it that’ (Q25 – 54 year old, daughter caring for mother)

‘Because since she got Alzheimer’s we don’t know what’s happening in her brain and this time she is worse. And now she’s worse, worse. I don’t know she’s maybe in which stage. I know there’s 5 stages, I don’t know. You tell her something now, 2 seconds she forgot. 2 Seconds she forgot’ (Q28 – 74 year old, husband caring for wife)

**Theme 2: Struggles and sacrifice**

**Personal sacrifices**

More than half of the caregivers explained how taking care of their family member with dementia changed their lives and the sacrifices they chose to make due to their family member with dementia’s illness. Specifically, caregivers decided to either leave their jobs (Q30–Q32) or put their studies, dreams and ambitions aside to better ‘understand’ and tend to the needs of their family members with dementia (Q33–Q34).

‘Well I had to, I had to leave my job five years ago decide ja to say I’ll stay with this woman to understand what is it that she’s going through before I can bring in someone you know who would be our help yes’ (Q32 – 49 year old, daughter caring for mother)

**Caregiver roles**

Some caregivers, most of whom were taking care of their parent with dementia, alluded to a ‘role reversal’ since assuming caregiving responsibility of their family member with dementia (Q35) and highlighted the difficulty of this experience as it created conflict between the dyad (Q36). Furthermore, caregivers voiced their struggles regarding the pressures of fulfilling multiple caregiver roles, such as a mother taking care of her children (Q37–Q38), a sister taking care of her siblings (Q39) and a grandmother taking care of her grandchild with epilepsy (Q40) while still being expected to take care of the household and their family member with dementia.

‘Whenever I took decisions, she will fight with me saying that I want to be the mother of the house. She is the mother it is so difficult’ (Q36 – 50 year old, daughter caring for mother)

‘Yes, it’s because I have children, of which I have to take care of, and eish, yes, as I am single mother, as I am a single mother I need to ensure that my kids, I have to put bread on top of the table nè, yes, and taking care of my mother of which we had ups and downs and no one would understand my problem’ (Q38 – 41 year old, daughter caring for mother)

‘So, you are taking care of mom? You are taking care of the household? Taking care of your siblings? If you do not take care of yourself? You feel like there is no choice?’ (Q39 – 23 year old, daughter caring for mother)
Lack of support

Few caregivers stated that they had support, mostly from immediate family members, to assist with the practical aspects of caregiving tasks associated with activities of daily living (Q41). Hence, the majority of the caregivers expressed receiving no caregiving support and were left ‘alone’ to take care of their family members with dementia (Q42–44), thereby exacerbating their struggles. Notably, although some caregivers acknowledged receiving emotional support, they either – did not feel supported due to differences in opinion, insensitivity of the family as perceived by caregivers – or that emotional support was not what they needed (Q45–47).

‘But sometimes I can feel it because there is nobody to help me. You understand? I am alone. I have to clean. Make sure the house is clean. To cook, to wash, everything is upon my shoulders’ (Q44 – 47 year old, daughter caring for mother)

‘People are not supportive, they just listen to your stuff, that’s the support you get, they just listen, they don’t give you advice on what you should do, how to handle the person what not to do you see, they don’t give you that on how to take care of the situation when it happens, so I won’t say I’ve had support from the outside that much no’ (Q47 – 60 year old, sister caring for sibling)

Social withdrawal

Majority of the caregivers explained how their lives had changed due to their conscious decisions to withdraw from social engagements (Q48). Caregivers commonly cited feeling guilty (Q49), worried and avoidant in the event of ‘something happen[ing]’ to their family member with dementia in their absence (Q50–51) or having to answer to others who lack understanding about the well-being of their family member with dementia (Q52). Furthermore, some caregivers also verbalized being unable to take their family member with dementia to social events or public places due to their dementia-related behaviours, which in turn, is a ‘stressful’ experience for the caregiver (Q53).

‘So… But I’ve been going out less since she was diagnosed with Alzheimer’s. Again, it comes back to that guilt thing of I’m out here having fun and she’s at home maybe bored or something’ (Q49 – 30 year old, granddaughter caring for grandmother)

‘I wouldn’t go, even when we go the short distance to the families, I must have my gloves, I must have my 2 diapers spare, I must have my wipes, I must have my disposable bags, should we be there for 2, 3 hours, you’re sitting there because you can’t leave him alone. I must carry all those things. And when people go up and down chatting, chatting, I must keep on checking up on him. But no, let me go and check – it’s stressful’ (Q53 – 64 year old, wife caring for husband)

Theme 3: Mental health

Psychological distress

When caregivers were asked if and how taking care of their family member with dementia affected their mental health, all of the caregivers in this study reported elements of psychological distress. Most caregivers reported feeling ‘worried’, ‘sad and fearful’ and ‘anxious’ due to the
unpredictability of their family member with dementia’s behaviour, especially at times when the ‘disease has escalated’ and then ‘disappear[s]’ and what this would mean for their future (Q54–Q57). Furthermore, several caregivers expressed feeling ‘frustrated’ (Q58–Q59), especially at times when they were unsure of how to manage their family member with dementia’s challenging behaviours – thus eliciting feelings of helplessness and overwhelm (Q60). While some caregivers described being in denial – both initially (Q61) and at present (Q62), as they struggled to accept what their family member with dementia had to endure, others acknowledged feeling ‘angry’, ‘irritable’ and ‘stressed’ as they struggled to understand and communicate with their family members with dementia (Q63–Q65).

‘Just constantly thinking about it. Constantly thinking about it, constantly worrying about it and thinking about the unknown. How far is it going to go with her, is she going to do the things that we heard that other people do, how long does she have before she leaves us. You know, you just ask yourself about the future that is not yet here, and it’s very, it can drain you mentally’ (Q54 – 52 year old, daughter caring for mother)

‘It’s anxiety more than anything, and it’s anxiety – to be very honest – it’s the anxiety around being able to control the environment. Ja, that’s my thing. Like when I feel it’s outside of my ability to handle, that’s when I get very anxious’ (Q57 – 47 year old, son caring for mother)

‘Ja. I didn’t accept that easily, because you sort of like wanted to… you said, ag, maybe it’s not dementia, maybe it was just something she forgot. You know, stuff like that’ (Q61 – 39 year old, daughter caring for mother)

‘When you try to communicate with them and then they don’t respond. So if you don’t understand, it will be like … I don’t know, you’ll be angry’ (Q63 – 51 year old, son caring for mother)

Caregiver grief

Almost every caregiver mentioned feeling ‘sad’ when prompted about the impact of caring for their family member with dementia on their emotions. After exploring their sadness further, most caregivers described the notion of ‘los[ing] someone while you are still looking at them’ – referring to both the loss of their identity as they ‘slip away every day’ and the loss of their relationships as they ‘miss’ the role that their family member with dementia previously held for their families. Some caregivers articulated this as ‘grieving’, and expressed how ‘this is worse than death’ due to the lack of ‘closure’ as they watch their family member with dementia decline cognitively (Q66–71).

‘So you’re grieving the person they used to be because she’s definitely not the same person she was before. And you’re grieving them in your lives because, you know, they’re going to eventually stop talking. They’re going to forget who you are. You are used to watching them slip away every day’ (Q67 – 74 year old, husband caring for wife)

‘I always say to people this is worse than death because when a person passes on, you know there’s closure, you bury them and then you deal with the process in terms of grief, so in my case, I’m grieving the loss of my mother even though she’s here’ (Q70 – 58 year old, daughter caring for mother)
Theme 4: Protective factors

Coping mechanisms

Half of the caregivers in this study expressed using prayer and the reliance on God to give them strength and understanding to manage their role as caregivers (Q72–Q73), while others described how music and reading helped bring a sense of calmness and clarity that enabled them to cope with their daily challenges (Q74–Q75).

‘It is very difficult. I pray. If I feel, even if my emotions are just down, I just sit down and pray. God, please make understand my mother. Make me, you know because if I cannot, who is going to take care of her? Other people who will not understand her the way I do understand. So, I pray. Yes’ (Q73 – 49 year old, daughter caring for mother)

‘Yes so I think that’s how I calm myself down because if I feel that my mind has started and I don’t understand myself, I usually go the library and then read some books that that are interesting or maybe there is a subject that I want to know about it, the time for me to take that book and sit down and read and take newspaper round and read, that’s how I calm myself down’ (Q75 – 54 year old, son caring father)

Loyalty, devotion and commitment

Most caregivers expressed their loyalty, devotion and commitment to taking care of their family members with dementia. They believed that no one else would understand and take care ‘properly’ and that they could not ‘throw [them] on the street or take [them] to a home’. Hence, most caregivers took personal responsibility for the protection, care and well-being of their family members with dementia (Q76–Q79).

‘You just tell yourself that it is my mom. I cannot throw her on the street or take her to a home. It is worse there because if I am frustrated what about the people at her room. Maybe they deal with her differently. Ja, so I rather be the one who is frustrated about her with all the family members’ (Q77 – 54 year old, daughter caring for mother)

‘Even if I have a helper sometimes it gets frustrating ‘cos you feel like they don’t know enough to help you. It’s to do things yourself. That’s why I ended up coming to stay with mum, because I found that, you know, there’s little things but they just don’t do it properly. And it just felt like maybe it’s better if I go and do it myself’ (Q78 – 52 year old, daughter caring for mother)

Strengthened bonds

Some caregivers reflected on how taking care of their family member with dementia strengthened the bond between them. They expressed how – with a better understanding of dementia – they have grown to love the family member that they are taking care of ‘even more’ and ‘unconditionally’ – despite their challenging behaviour (Q80–Q82).

‘…it makes me to love her more. And funny enough, even if she says those things in my absence, when I knock at the door, she’s like, she opens her arms, she wants to hug me and I would, okay, and I would give her a hug and tell her that I love her and I need her and whatever. So, it makes me understand the disease
and not the person so that I love her regardless of what she is doing’ (Q80 – 40 year old, daughter caring for mother)

‘So it changed me, because, before I knew the disease, I couldn’t understand, I couldn’t. But now it makes me to love her because I know that she’s sick’ (Q81 – 58 year old, daughter caring for mother)

**Developing resilience and personal growth**

Most caregivers explained how they adapt and accept their role as caregivers as their ‘mind adjusts to it’. They stated ‘taking it as it comes’ and ‘acclimatizing to the situation’ as essential attitudes that have enabled them to better navigate their role as a caregiver (Q83–Q87). Furthermore, most caregivers expressed learning patience, understanding and compassion through their caregiving experiences – signifying personal growth (Q88–90).

‘Now, I think I am kind of getting used to that thing that like he has dementia and needs to be taken care of because he forgets very quick. So, right now I am getting used to it. Yes. I am fine. I think I have adapted to this thing, yes’ (Q83 – 63 year old, wife caring for husband)

‘Oh, I have learned so much. I had to grow very patient, loving… You know you need to be very strong and you need to understand people’ (Q90 – 49 year old, daughter caring for mother)

**Discussion**

This study was undertaken to understand South African family caregivers’ lived experiences of individuals living with dementia in a predominantly Black African township. To meet this objective, our findings reflect how dementia is understood by family caregivers and their community, the struggles and sacrifices that they endure, the impact of caregiving on caregiver mental health and the protective factors that enable caregivers to cope, despite their difficulties.

Family caregivers highlighted two prominent perceptions that is prevalent within the larger Black African community regarding their family member with dementia’s condition. First, consistent with other South African research in underprivileged communities, psychiatric behaviours such as delusions, hallucinations, wandering and socially inappropriate conduct are perceived as spiritual phenomena as per their cultural belief system. Caregivers specified these phenomena as demon possession, ancestral calling or that the person displaying such symptoms is a ‘witch’ who ‘bewitch others’ (Bosch, 2014; De Jager et al., 2015, 2017; Ferreira & Makoni, 2002; Gurayah, 2015; Kalula & Petros, 2011; Khonje et al., 2015; Mkhonto & Hanssen, 2018). Distinctively, it should be highlighted that most family caregivers in this study did not personally concur with spiritual perceptions held by their community. Some caregivers explicitly expressed the notion ‘no magic, no witchcraft’. This may suggest that caregivers do not feel any pressure to conform to the beliefs held by their larger community. Second, the memory loss that the person exhibits is considered by the larger community as part of the ageing trajectory. Some family caregivers in this study concurred with this community belief while others recognized it as a medical illness. Similar findings were reported in other South African samples (De Jager et al., 2015; Ferreira & Makoni, 2002; Gurayah, 2015) and prevalent among communities both in Sub-Saharan Africa (Mushi et al., 2014; Owokuhaisa et al., 2020) and international samples (Hossain et al., 2020).

Furthermore, an important finding was the ambiguity that family caregivers still held despite their understandings described above (Brooke & Ojo, 2019). Caregivers still struggled to demonstrate
a clear understanding of dementia even after receiving a diagnosis and accessing treatment – although some acknowledged progress after obtaining more information through support services such as Alzheimer’s South Africa and their research efforts.

Central challenges experienced by family caregivers related to awareness, diagnosis and accessing treatment. Most caregivers emphasized that their lack of awareness at the outset affected their ability to make sense of their family members with dementia’s condition and access professional help – which included an accurate and/or timely diagnosis, treatment or any support services as reported in several South African studies (De Jager et al., 2015; Ferreira & Makoni, 2002; Gurayah, 2015; Kalula & Petros, 2011; Mahomed & Pretorius, 2020). Notably, caregivers frustrations were exacerbated – both by their struggle to explain to healthcare professionals what they had been experiencing (Mushi et al., 2014) and by the lack of professional knowledge within primary healthcare settings consistent with South African studies (De Jager et al., 2015; Kalula, 2013; Mkhonto & Hanssen, 2018). Some caregivers also highlighted that the lack of dementia awareness in the community often led to accusations of caregivers as the perpetrators of abuse and neglect instead of individuals with dementia being rejected or ostracized by the community due to their behaviours (Khonje et al., 2015). This is an interesting and contrasting finding – despite the cultural perceptions of dementia and the lack of awareness in the community, stigmatizing experiences were minimally reported amongst these caregivers.

Furthermore, help-seeking efforts by caregivers in this sample appeared motivated by the distress of being seen as the perpetrator and/or as a result of their family member with dementia’s strange and unpredictable behaviours. Help-seeking was not hindered in this study by fears that their family member with dementia would be in danger due to the community’s cultural conceptualization of their behaviours as commonly cited in the literature (Kehoua et al., 2019; Mkhonto & Hanssen, 2018).

Additionally, caregivers described the sacrifices and struggles associated with taking care of their family members with dementia and the life changes that this brought in various aspects of their lives. Some caregivers sacrificed their aspirations and ambitions and had to leave their jobs (Omiya et al., 2021; Owokuhaisa et al., 2020), while most caregivers expressed consciously avoiding social engagements due to the guilt, worry and stress of either managing dementia-related behaviours in public or leaving their family member with dementia at home (Brooke & Ojo, 2019; Gurayah, 2015; Khonje et al., 2015).

In keeping with existing literature, most caregivers who were taking care of a parent with dementia mentioned conflict with their family members with dementia since assuming some of their responsibilities such as paying bills and making decisions that affect the household – and noted how their role shifted to a parentified one (Ducharme et al., 2013; Spigelmyer et al., 2018). Furthermore, other caregivers expressed feeling pressured by the multiple roles that they had to fulfil – in addition to their newly acquired role as caregivers – such as mother, sister, grandmother and the household responsibilities that are usually expected to be taken care of by them (Tuomola et al., 2016; Yang et al., 2019).

Caregiver support in the literature has distinguished between ‘instrumental’ (Brodaty et al., 2009, pg. 222) help – referring to daily tasks of caregiving – and emotional support that influence caregiver well-being (Jarrott et al., 2005; Tuomola et al., 2016). Very few caregivers expressed receiving instrumental support, and most felt that they had to take on the role of dementia caregiver alone. Disparate findings were demonstrated amongst South African male caregivers in a low socio-economic community in the Western Cape, where caregivers were reported to have received informal support from close social networks (Hendricks-Lalla & Pretorius, 2018; Hendriks-Lalla & Pretorius, 2018). Notably, some caregivers in this study acknowledged receiving emotional support but did not feel supported or received the support they needed. The complexity of this dynamic has
been shown to increase caregiver burden in the literature and suggests that informal support may not be as beneficial as presumed (Jarrott et al., 2005; Han et al., 2014).

Findings of this study support the substantial body of research that demonstrate the adverse effects of being a dementia family caregiver on mental health, which encompassed both psychological and emotional functioning (Abreu et al., 2018; Basu & Mukhopadhyay, 2019; Krutter et al., 2020; Song et al., 2018; Vallée & Vallée, 2017; Win et al., 2017; Xiong et al., 2020; Yap et al., 2005). All caregivers in this study reported an element of psychological distress associated with their experience of dementia caregiving. They described feeling ‘worried’, ‘sad’, ‘fearful’, ‘anxious’, ‘frustrated’, ‘angry’, ‘irritable’ and ‘stressed’ as caregivers navigated different aspects of their daily caregiver tasks. Caregiver psychological distress centred around strained communication, the management and unpredictability of dementia-related behaviours and denial regarding the disease process that their family members with dementia had to inevitably endure. A prominent finding amongst South African family caregivers in this study was caregiver grief. Most caregivers expressed feeling a particular sadness as they witnessed their family members with dementia deteriorate and experience a loss of identity and meaningful relationships. Caregivers described a process akin to ‘grieving’ that is ‘worse than death’ and that no closure is found because the decline in functioning occurs ‘while you are still looking at them’. The two concepts used to describe this process have been documented in international literature and used interchangeably. These are anticipatory grief (Cheung et al., 2018; Holley & Mast, 2009; Lindauer & Harvath, 2014) and pre-death grief (Hovland, 2018; Kobiske et al., n.d; Moore et al., 2020), which have been shown to augment psychological and emotional strain.

Despite the challenges, sacrifices, frustrations and ambiguous understandings of dementia as described above, protective factors emerged that appeared to facilitate coping as a dementia caregiver. As described in other studies, caregivers explained the role of religious conviction (Chan et al., 2019; Fife et al., 2020; Teahan et al., 2016), music and reading (Meyer et al., 2015; Schüz et al., 2015) that evoked a sense of calmness and clarity for them. Furthermore, most caregivers expressed a sense of loyalty, devotion and commitment to their role as caregivers (Lindeza et al., 2020; Navab et al., 2012). They appeared to consider themselves personally responsible for the protection, care and well-being of their family members with dementia (Meyer et al., 2015) due to a lack of trust in anyone else to fulfil the caregiver role (MacLeod et al., 2017). Perhaps this sense of duty is embedded in the concept of Ubuntu (Gurayah, 2015) – an important sentiment within African culture, where human life, respect, dignity, compassion, unity and cohesion is revered (Mugumbate & Andrew, 2013).

On the other hand, it appears that the same sentiment cannot be applied to extended family members and the larger community as most caregivers in this study expressed carrying this weight alone. Despite this, some caregivers experienced a strengthened relationship and unconditional love (Bjørge et al., 2019; Lindeza et al., 2020) as they learn to understand the course of dementia better. Additionally, many caregivers reflected on their ability to adjust and accept their role as they navigate their dementia caregiver experience – facilitating resilience (Polenick et al., 2020; Song et al., 2018). Furthermore, most caregivers noted meaningful qualities that they have begun to acquire, such as patience, understanding and compassion, which suggests personal growth, thereby easing caregiver burden (Teahan et al., 2016).

**Limitations**

Caregivers were purposively selected from a homogenous sample from Alzheimer’s South Africa – their voluntary participation assumes a willingness to share their experiences and that they had
already been receiving support. However, it should be considered that this study may not have fully captured the experiences of caregivers who were inaccessible (van Wijngaarden et al., 2018) – perhaps indicating unremitting struggles or covert elements of the family caregiver experience that could have been an important area of study.

Conclusions and recommendations

To our knowledge, this was the first qualitative South African study undertaken to gain a deeper, nuanced understanding of the lived experiences of dementia family caregivers in a low-income Black African community. Our findings highlight and reinforce some of the core daily challenges reported amongst other South African and international samples within their respective contexts. These findings include the lack of awareness of dementia amongst individuals within their communities and the hindrance it poses diagnostically and therapeutically; insufficient knowledge amongst health care professionals that exacerbate the caregiver struggle to access services and support; and the difficulties and frustrations that family caregivers face as they navigate various roles and responsibilities concurrent to dementia caregiving.

Of significance, findings have emerged in this study that lead to new insights regarding dementia caregiving amongst primary caregivers in South Africa. First, there appears to be a shift in perception – away from a cultural/spiritual paradigm – and a lack of pressure to conform to community conceptualizations of dementia among individual family caregivers. Second, as with international samples, dementia caregiving affected caregiver mental health negatively, and evoked stress, anxiety, irritability, fear, worry, anger and sadness. In exploring caregiver sadness, the nature of this sadness emerged as caregiver grief – the process akin to grieving that family caregivers undergo as they watch their family members with dementia deteriorate. An interesting and third finding was the extent to which family caregivers felt supported or received the type of support that were aligned to their needs. Caregivers did not feel emotionally supported and expressed not receiving any assistance with their daily practical demands either. Fourth, before receiving a diagnosis, family caregivers were viewed as the perpetrators of abuse and/or neglect against their family members with dementia, instead of individuals with dementia being stigmatized by the community due to their behavioural symptoms as commonly reported in caregiving literature. Similarly, help-seeking was not hindered by fear or stigma commonly disclosed in dementia caregiving literature, but was motivated by caregiver distress as dementia-related behaviours began to manifest and caregivers feared being perceived as perpetrators of abuse.

In light of this, it is recommended that further research explore these avenues to better inform holistic interventions for caregivers and healthcare professionals that are tailored to the cognitive, practical, psychological and emotional struggles of the dementia caregiver. Psychoeducational interventions are important to consider and tailor to targeted population groups that are in need of further training to address the lack of awareness in communities, insufficient knowledge of dementia amongst healthcare professionals and the difficulties that family caregivers face in their daily caregiving tasks. For example, nurses and health care workers in primary health care settings need rigorous education and training to accurately screen for, manage and refer individuals with dementia and their families to appropriate professionals for diagnostic and treatment purposes. For family caregivers, psychoeducational programmes should be focused on the educational and practical aspects of dementia caregiving, but also empowering caregivers with coping skills to manage their various roles and responsibilities and self-care strategies to facilitate caregiver well-being. It would prove useful to provide practical training to health care workers and volunteers in the community to assist with home-based care, thereby offering respite and alleviating caregiver burden. Additionally,
clinical interventions such as support groups, counselling or psychotherapy should be made accessible to families and their family members with dementia. This would serve to provide emotional and psychological support, thereby managing psychological distress, treating caregiver grief and facilitating mental health care and resilience.

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Supplemental Material
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Notes
1. Black, White, Coloured and Indian are the predominant racial categories used to classify different population groups in South Africa imposed by the Apartheid regime (Statistics South Africa, 2012).
2. The term township refers to segregated neighbourhoods that were intentionally designed under colonialism and apartheid, in order to serve as residences for workers from economic centres in the city (Scheba & Turok, 2019).
3. Data collection occurred during 2019, before the emergence of the Covid-19 pandemic.
4. Quote numbers 1 to 90 correspond to comprehensive participant quotes provided as supplemental material.

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