

EXPLORING RESILIENCE IN FAMILY PHYSICIANS IN THE CAPE METROPOLE: a qualitative study

Dr Leigh Wagner
MBChB(Stellenbosch) DA(SA) DCH(SA)

December 2018



RESEARCH PROJECT

Exploring resilience in family physicians working in primary health care in the Cape Metropole

Student

Dr Leigh Wagner
MBChB(Stellenbosch) DA(SA) DCH(SA)
Family Medicine Registrar
Student number: 13721410

Tel 021 981 1847
Cell 0836888088
leigh.wagner@hotmail.com

SUPERVISOR

Dr Michael Pather
MBChB; MFAMMed; BScHONS Med Sci; FCFP (SA); PhD
Division of Family Medicine and Primary Care
Department of Family and Emergency Medicine
Faculty of Medicine and Health Sciences
Stellenbosch University
mpather@sun.ac.za

DECLARATION

I, the undersigned, hereby declare that the work contained in this assignment is my original work and that I have not previously submitted it, in its entirety or in part, at any university for a degree. I also declare that ethical approval for the study was obtained from the Health Research Ethics Committee of Stellenbosch University (Reference number: S16/07/138).

Signature:

Date:

Exploring resilience in family physicians working in primary health care in the Cape Metropole

Wagner L¹, MBChB (SU), DA (SA), DCH (SA)

Pather MK¹, MBChB (UCT), MFamMed (Stell), BScHONS Med Sci (Stell), FCFP (SA), PhD (Stell)

¹Division Family Medicine and Primary care, Faculty of Medicine and Health Sciences, Stellenbosch University.

Pather MK, Division of Family Medicine and Primary Care, Stellenbosch University. Box 241 Cape Town 8000. mpather@sun.ac.za; 0219389171 [corresponding author]

ABSTRACT

Background:

Despite the high prevalence of burnout among doctors, studies show that some doctors who choose to remain in primary health care (PHC) survive, even thrive despite stressful working conditions. The ability to be resilient may assist family physicians (FPs) to adapt successfully to the relatively new challenges they are faced with. This research seeks to explore resilience through reflection on the lived experiences of FPs who have been working in PHC.

Aim:

To explore the resilience of FPs working in PHC in the Cape Metropole.

Setting:

Conducted among FPs in PHC in the Cape Town Metropole, Western Cape Province, South Africa.

Methods:

A phenomenological qualitative study interviewed 13 purposefully selected FPs working in the public sector PHC in the Cape Metropole. Data was analysed using the framework method.

Results:

The mean Resilience Scale was moderate. Six key aspects of resilience were identified namely having a sense of purpose, a way of thinking, doing a little bit of everything, effective leadership skills, having a support network and attention to self-care.

Conclusion:

The aspects which contribute to FP resilience are multi-faceted. It entails having a sense of purpose, a way of thinking, doing a little bit of everything, effective leadership skills, having a support network and valuing self. Our exploration of resilience in FPs in the Cape Metropole corroborates previous studies done. To ensure physician wellness and improved patient outcomes, we recommend that individual and relational strategies be implemented in the absence of long term policy changes.

Keywords: resilience; family physicians; primary health care practice

Introduction

Burnout and stress amongst doctors have received considerable attention globally.(1–4) Burnout has been defined as a syndrome consisting of emotional exhaustion, depersonalization and low personal accomplishment.(5) Burnout negatively impacts both the individual doctor and the health care system—resulting in poor quality of patient care, low work satisfaction and even migration of doctors to different working environments.(1,2,6,7) In the US, a large survey found that about one-third to a half of doctors experience at least one aspect of burnout.(4)

Doctors working in PHC and general practice have been shown to have higher levels of burnout than other specialities.(3,4) PHC doctors showed a median duration of practice of three years and two thirds leave their PHC practice by five years.(8) South African (SA) studies show that junior doctors, particularly community service doctors have a high level of burnout.(6,9–11) Often these community service doctors, who are placed in PHC facilities, leave after completion of the compulsory one year - very few return to PHC, thus contributing to the PHC doctor shortage.(9,10) A survey of burnout and depression amongst doctors in PHC in the Cape Metropole showed that 27% of doctors met the criteria for moderate depression and 76% of doctors had high levels of burnout (6). It also showed that the longer a primary care doctor was qualified or employed in the primary care setting, the lower the levels of emotional exhaustion and depersonalisation experienced, suggesting that the employment and retention of more senior doctors is required.

Health care delivery in the SA public sector is based on a PHC approach as adopted by the Declaration of Alma Ata in 1978.(12) However, the legacy of apartheid in SA has resulted in health care that is inequitable. All user fees at PHC clinics have been removed since 1997 to improve access to previously disadvantaged communities. Despite the transformation of the health care system, access to health care still remains a challenge particularly in rural SA.(13)

It is estimated that about 83% of the SA population make use of public health care facilities but only 30% of doctors are employed in the public health sector resulting in an inequitable distribution of resources.(14) The quadruple burden of disease (HIV-related disease and TB, interpersonal violence and trauma, maternal and child health problems and non-communicable chronic diseases), poverty and unemployment and limited access to housing and sanitation for the poor are factors which further contribute to the challenges faced in PHC in the public sector in SA.(14) Particular challenges faced in PHC have been associated with high levels of burnout, stress and anxiety.(5) These challenges include high levels of uncertainty related to treating undifferentiated patients, no time for recovery from difficult clinical encounters, little support from management, working with disadvantaged or marginalised individuals and this is no exception in SA.(10)

The strategy of improving health care delivery by the SA government is centred on the gradual introduction of a national health insurance (NHI) and re-engineering of the PHC.(15) The aim of NHI is to offer universal, equitable and affordable health care coverage for all South Africans.(16) Strengthening of the PHC service is a fundamental step in achieving NHI. FPs have an integral role in improving PHC.(17)

Family physicians are expert generalists who have completed a full time 4 year postgraduate training in a Masters of Family Medicine program which is a relatively new speciality in SA. FPs in the public sector work within the district health system (DHS) and are employed for part of a sub-district at a district hospital or community health centre (CHC) where they are the senior clinicians and play an important role in providing holistic comprehensive PHC with a broad set of skills and competencies in often resource limited settings in close partnership with a multidisciplinary team.(18)

The key roles of a FP within the South African context have been described as care provider or clinician, consultant, capacity builder, supervisor, manager, community- orientated primary health care (COPC) champion and leader of clinical governance.(18) In practice, their roles include training not only undergraduate medical students, interns and registrars during the course of clinical service, but also capacity building of other health staff. Clinical governance in the form of audits, quality improvement cycles and regular morbidity and mortality meetings form part of the day to day functioning of a FP in PHC in the DHS.

It is clear that the role of FPs in South Africa is multi-faceted and loaded. The expectations regarding clinical competence, mentoring, teaching, management, research and stewardship could potentially further contribute to burnout. As FPs balance these different roles and strive to meet the needs of the SA district health care system, they are particularly vulnerable.(19)

Despite the high prevalence of burnout in South Africa and particularly the Western Cape, international studies show that some doctors and nurses who choose to remain in PHC survive, even thrive despite stressful working conditions. (20–24) The concept of thriving dates as far back as the Greek philosopher Aristotles’ *eudaimonia* which literally means ‘to have a good spirit’.(25) Modern psychology has interpreted it to mean human flourishing.(23) Why do some doctors manage to effectively cope in the face of adversity and others not? Studies have shown that high levels of resilience among doctors are associated with decreased burnout, increased job satisfaction, a higher tolerance of both general and clinical uncertainty and a feeling of accomplishment. (6,22,24,26–28)

The definition for resilience varies in the literature.(20,26,29) Resilience has broadly been defined as “a dynamic process encompassing positive adaptation within the context of significant adversity”(10) or “personal qualities that enables one to thrive in the face of adversity”.(30) Most agree that resilience is situational, contextual, and multidimensional rather than something that is fixed or static and can be learnt over time.(26,29,31,32) Resilience has been shown to protect against burnout.(6,24,28,32) A recent international review on resilience in PHC professionals found that “resilience in the professional is represented by continuing to perform well, adapting to changing circumstances, and maintaining a sense of professional and personal fulfilment”.(26)

While systemic ‘top-down’ strategies at policy level which aim to support doctors improve working conditions and retain experienced doctors for prevention of burnout (6) are needed, it may be difficult to change and may take a long time. It is believed that among the pool of long-term employed FPs in PHC, there may be certain individuals who practice behaviour or display certain characteristics which promote resilience.(33) By understanding what works for individual FPs now through a bottom-up approach of personal positive reflection, rather than focusing on the deficits within the system (33), we hope to contribute to strengthening resilience. The retention of motivated, engaged and experienced FPs may be an important albeit one strategy in improving the quality of PHC. It could potentially contribute to bringing about a change within the culture of medicine and ultimately our health care system.(6,34)

There is a paucity of local research exploring resilience and the factors that keep FPs working in a stressful environment such as PHC. This research aimed to explore the understanding and experience of FPs with regard to resilience. The objectives of this study include assessing the level of resilience in FPs working in PHC for more than five years, to explore their understanding of resilience, to identify attributes that contribute to personal resilience, understand the strategies used to manage stressors, and to explore work satisfaction and their motivation for staying in PHC. The emerging information could assist efforts to ensure that PHC doctors are appropriately supported to deliver high-quality care.

Aim

To explore resilience in FPs working in PHC in the Cape Metropole.

Objectives

1. To assess the level of resilience in these FPs working in PHC.
2. To explore the perspectives and understanding of resilience among these FPs.
3. To explore attributes that contribute to personal resilience and the coping strategies used to manage stressors.
4. To explore work satisfaction and their reasons for staying in PHC.

Methods

Study Design

This was a phenomenological qualitative study using semi-structured interviews. Qualitative research was chosen as this was deemed the best way to obtain a deep understanding of the experience of FPs working in PHC regarding resilience.

Study Setting

This study was conducted among FPs working in the public sector in PHC in the urban Cape Town Metropole district of the Western Cape Province in South Africa. The Cape Metropole is one of six sub-districts representing the City of Cape Town. The Western Cape was estimated to have a population of 5 755 607 in 2011 of whom approximately 83% were dependent on public health services.(35)

Selection of study population

Non-probability purposive sampling with snowballing was used to select FPs. FPs who had a reputation as someone who seemed to cope with the challenges and display resilience in the work place were contacted. These FPs could then nominate other FPs who they thought displayed the same characteristics. Inclusion criteria were: FPs who were permanently employed in the public PHC setting, namely a CHC or a district hospital in the Cape Metropole for more than five years, who may or may not work overtime.

The exclusion criteria were: FPs who have been working in PHC for less than five years, those who are in the private sector or in secondary, regional or tertiary health care, FPs working outside of the Cape Town Metropole area or FPs who are employed on a part time basis e.g. as locum tenens.

Data Collection

Potential participants were invited to participate by email. The aim and objectives of the study were explained. Potential participants were requested to complete an informed consent form, a demographic questionnaire and a validated resilience scale which was returned to the researcher via email.

The Wagnild and Young Resilience Scale (RS), a validated assessment tool, measures global resilience which comprises five characteristics: perseverance, equanimity, self-reliance, meaningfulness and existential aloneness.(31) The RS has shown to have internal consistency and reliability (Cronbach's

alpha of 0.85 to 0.94). It contains 25 items, all of which carry a 7- point Likert scale. A higher score corresponds with higher resilience. Scores greater than 145 indicate high resilience, 125–145 indicate moderate levels of resilience, and scores of 120 and below indicated low resilience. The resilience score was measured to have an objective measure of the participants perceived level of resilience.

Eligible participants were then invited to participate in a semi-structured in-depth face-to-face interview. Those who agreed signed a second an informed consent form. Each interview was conducted in private at a place of mutual agreement, in English and lasted about 20–55 minutes (average 32 minutes).

An interview guide was used and volunteered responses were further explored. The interviews were audio taped and field notes were made by the researcher. The interview guide was piloted to assess the validity. Participants were encouraged to reflect on the following definition: *“Resilience is the ability to maintain personal and professional wellbeing in the face of on-going work stress and adversity”*.⁽²⁹⁾ Further probing questions were asked. See attached Interview Guide.

Since this is a qualitative study, the researcher planned to perform about 8-12 interviews using snow ball sampling. The interviews stopped when a point of data saturation was reached and no new themes emerged. A transcriber performed verbatim transcriptions of the audio recordings. Themes were inductively derived from analysis.

Data Analysis

All transcripts were checked for anonymity and accuracy against the original audio recordings and sent back to the interviewees for member checking before further analysis of the data was conducted. Participants were given the opportunity to correct any possible misinterpretations to ensure validation of the accuracy of the transcribed interviews. All demographic questionnaires, audio recordings and transcriptions were stored on a password protected computer.

Thirteen audio recordings, verbatim transcriptions, demographic questionnaires and the reflective field notes of the researcher were analysed using the framework method of qualitative analysis.⁽³⁶⁾ The following steps were followed:

Familiarisation of raw data: The researcher familiarised herself with the transcripts and noted key ideas. These and any issues relating to the quality of the data were discussed with the supervisor.

Formation of a thematic index: To develop a thematic index, the researcher derived codes inductively from the transcripts, defined the codes and organised them into categories which were aligned with the objectives of the study.

Indexing: The codes were then applied to all the transcripts using ATLAS.ti (version 1.6.0) software.

Charting: Using ATLAS.ti software, all data related to a particular code or category were collated to create a chart or report.

Interpretation: The charted data was analysed and interpreted to understand the nature and range of opinions and make associations or contradictions within the data. Quotations from the interviews are used to illustrate key points.

Interviews were continued and coded until thematic data saturation was reached.

The Researchers' Role

The researcher is a female Family Medicine registrar working in the Cape Metropole at the time of this study and is well aware of the challenges encountered on a daily basis. Being an optimist by nature, with a conservative Christian worldview, the researcher felt fairly disheartened by the findings of a study that doctors in PHC were suffering from burnout and depression.⁽⁶⁾ The researcher questioned why some doctors managed to effectively cope and others not. This study was commenced with the assumption that something could be learnt from those family physicians who remain working under stressful conditions.

The researcher was cognisant of the responsibility to accurately represent the views of the participants without the researchers' experience of PHC. Mindful that the participants would be sharing personal experiences, the researcher used attentive, courteous behaviour and a conversational style to build a rapport during the interview. Constant critical self-reflection by the researcher was needed throughout the interview and analysis phase to control potential bias and predispositions.

Ethical Considerations

Ethics approval was obtained from Stellenbosch University Health Research Ethics Committee (Reference number: S16/07/138) and permission obtained from the Metro District Health System (MDHS) of the Western Cape to conduct this research study. Participation was voluntary, anonymous, and by means of informed consent.

Results

Thirteen participants, 6 female and 7 male, between the ages of 38 and 57 years (average age of 46 years) fulfilled the inclusion criteria and participated in the study. Thirteen interviews were conducted between May 2017 and November 2017. The average duration working in PHC was 14 years (range of 5-25 years). All participants were South African citizens who completed both their undergraduate and postgraduate medical training in SA. The majority of participants were married (76%) and had children (84%). The mean RS of participants was moderate at 136 (94-164).

Six major themes emerged from the interviews. The themes relate to key aspects of resilience which were identified as:

Sense of purpose

The majority of FPs were working in PHC even before Family Medicine was formally recognised as a speciality in SA. Typically FPs started working in PHC early on in their career, or returned soon after completing their compulsory community service year. FPs relate that they were attracted to PHC during their undergraduate medical training and this interest was generally further piqued by role models or through the support of a mentor who encouraged them to pursue FM as a career:

“There was a mentor who encouraged me to go and study family medicine. She was an amazing woman, that was when I worked in Limpopo. And then when I started studying family medicine, I met all these amazing teachers.” (FP 6)

Most FPs are driven by a sense of calling toward their career and purpose in their life which contributes to their ability to handle the associated stress of their profession. Providing quality health care to those

who need it most gives them a sense of satisfaction and adds value to their lives. Family physicians feel that when they are able to make a meaningful contribution, they feel a sense of being needed. Others have a strong sense of duty to ‘give back’ to those communities who are most vulnerable and marginalised. The violent crime and social discord so prevalent on the Cape Flats has a direct effect on the health care workers. Despite a serious threat to their personal safety and being victims of crime, certain FPs have remained working in the very community where these events occurred. Similarly, the industrial action strikes has not deterred certain FPs from continuing to serve these communities:

“So for me it’s very important to have job satisfaction, and I think that also helps you to be resilient because you’re enjoying your job and you’re being – you’re getting rewarded, feeling like you’re adding something, you’re contributing, what you’re doing is worthwhile, then you’ll feel better about everything, no matter what the stresses, it’s worth it because you are making a difference.” (FP 3)

“... realising that the chaos in the [Emergency Centre] each weekend, and all the admissions and the amputations and the uncontrolled, this, that and the next thing. But, it is all sitting in PHC. And so you learn more and more that if you really want to make meaningful interventions, it is out there [in PHC] that we actually have to make a difference, or that we can make a meaningful difference, not just putting out the fires, but really getting in there. So, for me, PHC is where the need is, and where we can make a significant change to the health care.” (FM 10)

Those who entered the work space with a clear vision of what they wanted to accomplish as a FP, or in their personal lives, considered this a contributing factor to their resilience, as this concept kept them focused on their goal regardless of the many demands placed on them. In addition, feeling that their ideas and contributions are valued, either by colleagues, as well as the patients they treat, aids in their desire to stay in their profession:

“When we voted in 1994, we voted for a better life for all. And all South Africans, all human beings deserve good medical care when they need it. So the majority of South Africans can’t afford private care, so I’ve always wanted to work where I’m needed, and I’ve always felt a lot more needed in the public sector.” (FP 6)

Silver lining thinking

It was apparent that all participants felt that their perception of and attitude towards their work had a significant impact on their ability to handle their daily challenges. Family physicians viewed their work as having an importance beyond themselves. Their attitudes towards serving the community, making a difference, or even seeing their work through the lens of their particular worldview helped them to persevere despite adverse conditions.

It was clear that, through self-awareness and reflection that FPs recognised and accepted their own strengths and limitations. They had realistic expectations of what they could and could not change in their environment. As such, they tend to have an optimistic philosophy of life and preferably spend their energy on what can be influenced:

“... I will try to put things into perspective and just see what it is that can be done, and then often just try to do with the best you can, because often you can’t solve the problem, but instead you can do the best that you can, then the best thing can be satisfying. People are maybe unhappy – that they can’t solve the problems but sometimes the best is not to solve it but just to do the best you can.” (FP 2)

While often being surrounded by extremely negative conditions as a result of poor socio- economic conditions in SA, these resilient FPs rather focus on the positive stories by celebrating the patients and programs that do well as opposed to constantly fixating on all the discouraging situations they encounter daily. This is not to say that they are naïve and ignore the negatives, these are dealt with if and when the opportunity is right:

“And we need to start moving towards more of a solution focussed, interactive approach where we start you know focusing on solutions and focusing on where we can actually help each other. Ja, you know so you, you may be faced with a problem in the community of TIK and psychosis or gangs you know, gang violence but the question is you know how are we really engaging the communities, are we drawing on the resilience of the communities and the individuals around you that can actually help your resilience.” (FP 4)

Family physicians recognise the need for self-awareness and reflexivity, as they are encouraged to take the time to reflect on their personal and professional experiences. This is an aspect of their speciality which some FPs particularly value as it is not overtly encouraged in other specialities:

“Self - reflection in family medicine is a big part of family medicine, compared to other specialities where they don't encourage reflection on why did you react like that at that situation.” (FP 9)

“I know others may say we're too fluffy, but it does make a big difference. It makes a difference to resilience and how you're coping, to know why you chose, whether it's clinical or whether it's management situations, why did you choose that path and not another path? And you're going to explain yourself and answer to yourself, and it's resilience at the end of the day, to say I chose that route and I stand behind it, because I thought it through, and on reflection I realised that that was the best option.” (FP 9)

Engaging in the practice of mindfulness appears to be a successful way in which these FPs are able to cope with the everyday stressors. By being present in every moment, whether in professional or personal capacity, assists the FP to cope:

“And you need to be in every single moment...one of the nicest things that the mindfulness experience has taught me is that if you manage to be happy in the moment, now, so there where you are sitting now, if you are happy now, you will always be happy. Okay, so if you ensure that every moment, whether you're at work or at home or giving a seminar, whatever, if you manage to make sure that in that moment you're happy...” (FP 11)

Several roles with autonomy

It was apparent that most FPs have remained in PHC because they feel most comfortable and enjoy the facets unique to PHC. Family physicians welcome the mental stimulation derived from attending to complex undifferentiated complaints and tend to tolerate diagnostic uncertainty. The opportunity for community involvement and the capacity to make a positive impact on disease outcome through health promotion and disease prevention strategies are other facets which FPs embrace:

“[FPs] tolerate uncertainty and you know, almost relish uncertainty because uncertainty is what we’re good at. If you bring specialists into a low certainty environment, they would just freak out. They wouldn’t last a day. Because what they need in order to reduce their stress levels is lots of diagnostic tools which we don’t have. We have our clinical acumen and our feel and our ability to be empathic and to engage with the whole patient, and all of that. We have that. Those are the tools that we... and we’ve got to enjoy that.” (FP 8)

“I have worked with a lot of [physicians and surgeons] and you realise that by the time the patients reach the hospital level, you have usually missed the boat, you know as soon as they come to [hospital] and you have got the amputations, they have actually missed all the opportunities that you have had in primary health care... so I am passionate about you know health promotion, and prevention and trying to keep people well you know rather than doing like high tech stuff at a hospital level.” (FP 4)

All FPs interviewed concur that their job inherently entails a variety of duties. Interestingly, FPs seem to thrive in the diversity and reflected that their various responsibilities and different roles bring a sense of relief and tend to make the volume of work more manageable. Those FPs who felt they had more autonomy and control of their workload, felt more resilience and were objectively more resilient:

“I am staying here because I do get some time off that I can take to teach and get students and do the online teaching and do the exams...the fact that my work has got lot of aspects; there’s admin, there’s management, there’s seeing patients, there’s teaching, there’s research and exams and so there is lots of aspects to the job. Which makes it nice and that’s one of the reasons why I am staying, if I just had to see patients every day, forty patients every day I wouldn’t have made it you know. I would have left long ago so that’s one of the reasons why I am staying.” (FP 7)

“I am a generalist and I actually enjoy doing a little bit of everything you know, I enjoy being able to go to theatre and then you know to be going to the EC and counselling someone that’s taken an overdose and then to run off to a management meeting and then on another day to go to another clinic.” (FP 4)

Although PHC offers a diversity of ‘cradle to grave medicine’ over time, some FPs have found a niche for themselves within the broader scope of PHC. Many of these FPs find that their individual passions pull them towards certain elements and duties within the variety:

“So I think that also helps. You know where you are able to match your, your personal passion with, what you really, you know really interested in, where you can focus some time. Dr X for example, loves obstetrics, he loves PHC teaching, you know so he is been more and more involved with that. And he also has a flare for management.” (FP 4)

In contrast, others admit that having competing demands can be overwhelming at times and difficult to juggle. Family physicians expressed that they were likely to be more dissatisfied when they felt out of control or were not able to meet the various demands placed on them by different authorities. In addition, tension exists between certain roles, especially as a leader of clinical governance versus being a competent clinician. Governance functions aimed at quality improvement were in conflict with the need to meet the clinical demands of a high patient load. Some participants felt that the FPs “should jump in and help” while others felt that by doing so constantly, the systemic problems or “system stuff” are neglected or even perpetuated. At the same time FPs recognise the need to be flexible and adapt to the needs of their facility:

“if you just roll up your sleeves and diving in there and helping out on the floor because it’s busy today, you’re not really going to be doing your job. And in the end you’re not really contributing to, you know? But we all feel really guilty about pulling ourselves out of it. And then even when you do pull yourself out of it and continue to do what you’re supposed to do, it’s just too much.” (FP 5)

Medical officers are expected to see approximately 40 patients per day, straining the time spent with each patient. Family physicians in contrast, feel less pressure “to push numbers” and as such they are able to offer more comprehensive and holistic care to patients. As such, while most FPs were considered to be resilient, they expressed concern for junior doctors:

“So I can be resilient but I, you know I worry a lot about our junior doctors and their conditions, and it’s not always in my control to improve it, but I would want to improve it. Because I think you can only be so resilient but I think the working conditions have to be sustainable.” (FP 12)

Skilful leadership

The majority of FPs shared that effective leadership was an important contributor to resilience. FPs feel that a leader should work as part of the team, be willing to lead and follow where appropriate:

“You need to build a good team, you need to be a good team leader, a good team player to identify areas that people are passionate in and genuinely interested in.” (FP 4)

All FPs were of the opinion that fostering communications skills and good relationships amongst all levels of staff, were important to accomplish work successfully. As leaders, FPs need to be intentional about creating a pleasant working environment where discussion or project participation allows for the development of these relationships:

“I think a lot more effort needs to be put into allowing staff to kind of engage and talk to each other, as opposed to just come to work, you see your patients, you go home.” (FP 5)

The FPs agree that in order to be an effective leader and meet the demands and workload, strategies such as delegating tasks to the team, prioritising, and setting personal and professional boundaries are essential. These strategies were seen as a way of cultivating personal resilience. It was also felt that one needed managers and colleagues who recognised and respected those boundaries:

“I think for me, you know in primary care, you know having a multifaceted role actually helps, it helps in resilience because it gives you a bigger picture and you get involved in different parts of the team. You are actually acting as a conductor in an orchestra. And you know part of your, your roles is actually you are not actually sitting in the front line doing all the work. You are identifying people that can actually help you.” (FP 4)

Resilience is seen as characteristic of those who have successfully implemented changes contributing to a more efficient system, or that have made a positive impact on their working environment. Some FPs stressed the importance of becoming familiar with the demands of their working environment, and the difficulties experienced by team members before instituting any changes. Valuing input from the entire team, and respecting the specific culture of that institution ought to be understood before changes are implemented. Flexibility in the FPs approach to their responsibilities is an essential skill necessary for resilience:

“You can come here with the fanciest of ideas and models and that, unless you speak to people, to make them understand why we’re moving in a certain direction, and find out why there are challenges. And it took us years. I mean a lot of the stuff that we’ve got going now, I mean for example the TB, a lot of things that we tried to do over the years, failed dismally, and it failed because we- we came in thinking that we’re just going to change things, and we learnt the hard way. And with time you sort of build those relationships, and it’s all about those relationships.” (FP 1)

“So that has helped, just having a flexibility in terms of what is needed at the time. For me one of my key things that I see myself being responsible for is making sure that the staff are happy” (FP 3)

Support Networks

FPs felt that cultivating relationships with a spouse, family or close friends outside of the work environment was a vital contributing factor to well-being. They not only offer support and understanding but is also valuable for providing perspective. Most FPs recommend that work not interfere with family time and that existing bonds be protected. Most FPs try separate work life from home life by protecting time for the latter however some admit that due to the immense workload, work does encroach on home life at times:

“And often I go home and talk things through generally with my husband, but sometimes with my parents, and then come back to work with a new idea of how to approach a problem, and it’s having talked it through with other people.” (FP 9)

Support from colleagues were seen as essential to enable open communication, a good working relationship and team work. Participants expressed that support from not only colleagues at your facility but also those at the referral centre and the community were important:

“I think one of the most important things in the work place is to, is to maintain a good, good working relationship with your team and with your colleagues...we make a point regularly of meeting every day and meeting for tea, meeting for lunch, and also collegial support is actually very important.” (FP 4)

Having a network of support from other FPs to exchange honest views and experiences and share information, knowledge & skills. This contact is fostered by the Family Physicians Forum, which is attended by all FPs in the MDHS:

“...there are senior FP colleagues that I have who I can just talk to and say this is what’s bothering me, I’m thinking of doing this, what do you think, and they can assist me with that, so it’s just the personal support that I think helps me.” (FP 12)

FPs tend to feel more supported by their managers when their role is clearly defined and expectations are openly communicated. In addition, when FPs are given the time to attend to the competing demands or given scope to spend more time on certain projects also contributes to resilience. On the other hand, FPs perceived that most managers don’t always know the role or function of the FP. This could at times result in FPs being expected to perform duties which is not their responsibly or part of their job description:

“[My manager] has created the right environment when it comes to expectations where I work and my job description, and we’re fairly on the same page, most of the time, so it helps that there’s not that expectation gap. Which there sometimes is, but good communication helps that, but I think I’m supported in what I’m trying to do, and I’m getting the time to do those kind of things.” (FP 12)

Professionally, FPs recommend having an older or more experienced colleague whose opinion one values and one who offers advice. Mentors offer wisdom and vast experience in not only clinical aspects of work but also relational aspects:

“...[Mentor] has been a wise person, some years back I really struggled to figure out, how do we work with the nurses, and his advice to me at one of the conferences, we had this conversation, he said get everyone to focus on a common goal. The goal is patient care. You know, it’s not us against them, the doctors against the nurses. It’s how do we work together, towards a common goal. And over the years that’s what I’ve been trying to do with working in teams. But it’s not about the personalities and the egos and what you did wrong, it’s about, what is the best that we can do for the patient.” (FP 6)

In addition, the value of coaching was emphasized. Most FPs had benefited from either individual or group coaching sessions either provided by the Department of Health or by the applicable faculty of health sciences:

“...there is great value in, in enlisting the help of a professional coach. With the help of [the university] we had a professional coach. We had individual coaching sessions. We had group coaching sessions. That was also helpful. I think personally for me, you know especially in primary care when you are multitasking and the work environment is sometimes chaotic, you know I have realised the importance of actually getting organised and being disciplined around planning.” (FP 4)

Self-care

FPs recognised the importance of practices such as getting adequate nutrition, sleep, regular breaks and leisure-time activities aimed at “honouring self” in order to provide optimal patient care:

“Because one needs to also value yourself enough to care for yourself, in order that you’re able to care for the patients. And that means having lunch, getting enough sleep, exercise, which for me is walking the dogs, but it’s to have a healthy lifestyle as a self-care thing, because one needs to have that balance that you can’t just be a slave to the system. You’re going to burnout. So you need to look after yourself so that you can keep functioning in the system.” (FP 6)

Interests outside of medicine were found to be a source of pleasure. Leisure time activities include sport, music, art and literature. One FP learned a new skill in order to address recognised burnout as it allowed a change in mental focus:

“There was a time 2 years ago when things were difficult, and I realised I need to do something to look after myself; I started music lessons. So I played the Alto Recorder. So on Tuesdays I leave work at 16:30 so that I can be at my music lesson at 17:00. And that once again stimulates my brain in a different way.” (FP 6)

Most FPs expressed that their faith or belief system gave their personal and professional life more meaning. This sense of purpose contributes to their resilience:

“I have strong faith in God and I believe there is a bigger meaning to life, that is quite a significant factor in my life, and I believe it plays a role.” (FP 10)

“So I often speak to my patients about religion you know, although they’re Christian or from another denomination, to influence them in a way that despite having differences from a religious point of view, but just hold on to – holding on to what is important within that religion, and you know it stems, it all comes down to the faith, and the belief and all that.” (FP 1)

A few of the FPs interviewed shared that they were currently or had previously been on medication for mental health issues related to burnout. Most FPs admit to either coming close to burnout or experiencing burnout early on in their careers. But through the support of family, colleagues or professional, they persevered. Seeking professional help when needed, in the form of a psychiatrist, psychologist or ICAS was emphasised:

“So [my supervisor] recognised as well that I was battling, and I recognised it but there was some personal things happening at the same time, that was just culminating. And I took myself off to a psychologist. And [I] was with her every week for a year, and I think that being able to say I need help now is something that is important.” (FP 9)

Contrasting views on work-life balance were expressed. While some intentionally strive to separate the two, some are of the opinion that this concept is a myth, and the attempt to find an ever elusive work-life balance further contributes to the sense of burnout. Instead, one ought to be mindful in every moment, seeking to fully embrace all experiences:

“So this thing about life and work balance, it’s an illusion. There’s only life. And you have to balance your life. So this idea that it’s separate things that must be separated is part of the problem, because how do you divide the time? You can’t. And how do you decide which gets priority and so uh-uh, just kill that thought. There’s only life. And you need to be in every single moment...one of the nicest things that the mindfulness experience has taught is that is if you manage to be happy in the moment, now, so there where you are sitting now, if you are happy now, you will always be happy.” (FP 11)

Discussion

This study identified six key aspects of resilience in FPs working in PHC namely having a sense of purpose, a way of thinking, doing a little bit of everything, effective leadership skills, having a support network and valuing self.

Our study supports the well-established concept that the features which promote resilience are multi-factorial.(21,26,28) We found that being resilient is not only dependant on individual attributes, but also the environmental aspects and most importantly, the relationships one has both at work and at home. This echoes the findings by Jensen and colleagues, who identified four main aspects, namely (1) attitudes and perspectives, (2) balance and prioritisation, (3) practice management style and (4) supportive relations.(28) Likewise, a German study, conducted by Zwack et al found that (1) job-related gratifications, (2) practices, such as leisure-time activities, self-demarcation, limitation of working hours, and continuous professional development, and (3) attitudes, such as acceptance of professional

and personal boundaries, a focus on positive aspects of work, and personal reflexivity all fostered resilience.(21)

All participants who had a high RS score, had a positive attitude towards their work and found meaning in their work. FPs had an overall feeling that they were “making a difference” and reported job satisfaction despite the overwhelming workload. Similarly, in a systematic review of twenty studies on resilience in PHC professionals, Robertson and colleagues found that resilience enables the professional to manage workload demand assisted by external supports both within and beyond work. They further highlighted the importance of personal meaning or a sense of purpose, although it is not clear whether this drives resilience, or arises as a consequence of resilient behaviour.(26) Our findings also reflect Warner’s principles to building resilience, which include, the need to connect to the meaning in one’s life, self-awareness, maintaining perspective and dealing with negative thoughts and feelings, developing a realistically optimistic outlook, being open-minded and flexible, and reaching out to others for support and help.(37)

Those FPs who felt they had more autonomy and control of their workload and projects felt more resilience and were objectively more resilient. This is in keeping with a study done by Keeton and colleagues who found that having some control over schedule and hours worked was the most important predictor of low burnout and work-life balance.(38) Similarly, a study of 8050 physicians demonstrated that professional autonomy was more important than income in determining physician career satisfaction.(39)

Regardless or despite the available resources, it seems that resilience is enhanced by relationship building, by humane interaction and respect for each other. Having a support network and fostering good relationships appear to be the most important characteristic of a resilient doctor. Family physicians in the Cape Metropole echo the importance of teamwork and encourage more shared power, so that people feel consulted and have some input in decision making, these are in keeping with the current organisational values.(40) Gilson and colleagues found that stable governance structures and sufficient resources in themselves are not enough to ensure resilience but effective leadership which promotes mindful staff engagement and social networks and relationships are needed to ensure resilience.(19) This appears to be similar in our resource- poor public health care setting.

Although most of the participants were perceived to be resilient by their peers (through snowball sampling) and objectively had moderate levels of resilience, many of the FPs however did not consider themselves to be resilient. Most FPs admitted to experiencing or coming close to burnout at some point in their career. These findings correspond with Polachek et al who found that there appears to be a difference in how physicians understand resilience in themselves compared to what they observe in their colleagues. Specifically, FPs may hold unrealistic and unachievable expectations for their own resilience.(41) These unrealistic expectations are perpetuated within the professional culture of medicine which praises perfection, and unduly judges those who display vulnerability.(42) This serves to further highlight the need for cultivating resilience among FPs.

Cultivating resilience can be done using individual and relational coping strategies. FPs are encouraged to practice self- reflection and mindfulness, gain leadership skills and develop a sense of purpose and meaning. Building good relationships, as well as having a mentor and coaching are also encouraged.

Limitations

Some FPs may have under-reported their stress due to the desire to be perceived as highly capable and in control. The RS measure used is based on personal characteristics and does not assess social and

workplace challenges, which can be an important part of professional resilience. Our study does not distinguish between the inherent and acquired factors of resilience or the relative importance of the six resilience themes.

Recommendations

To cultivate resilience in FPs, a combination of individual and relational coping strategies are recommended. Individually, FPs are encouraged to practice self-reflection and mindfulness. Opportunities for gaining leadership skills and developing a sense of purpose and meaning are necessary for FPs to strengthen their resilience. In terms of relationships, resilience can be strengthened by creating an environment where relationships can be fostered such as team building exercises. In addition, exposure to role models, mentors and coaching are encouraged.

Conclusion

The aspects which contribute to FP resilience are multi-faceted. It entails having a sense of purpose, an optimistic view of life, the ability to thrive in diversity, effective leadership skills, a good support network and valuing self. Our exploration of resilience in FPs in the Cape Metropole corroborates previous studies done. To ensure physician wellness and improved patient outcomes, we recommend that individual and relational strategies be implemented in the absence of long term policy changes.

Acknowledgements

We wish to thank all the FPs who participated in this research study.

Competing interests

The authors declare that they have no financial or personal relationship(s) that may have inappropriately influenced them in writing this article.

Author contributions

MP supervised the research. All authors helped to conceptualise the study. Data collection was coordinated by LW. Qualitative data analysis was conducted by LW and MP. LW drafted the final manuscript and both authors revised and agreed on the final version.

References

1. Wu S, Zhu W, Li H, Wang Z, Wang M. Relationship between job burnout and occupational stress among doctors in China. *Stress Health*. 2008;24(2):143–9.
2. McManus IC, Keeling A, Paice E. Stress, burnout and doctors' attitudes to work are determined by personality and learning style: a twelve year longitudinal study of UK medical graduates. *BMC Med*. 2004;2(1):29.
3. O'Dea B, O'Connor P, Lydon S, Murphy AW. Prevalence of burnout among Irish general practitioners: a cross-sectional study. *Ir J Med Sci (1971-)*. 2017;186(2):447–53.
4. Shanafelt TD, Boone S, Tan L, Dyrbye LN, Sotile W, Satele D, et al. Burnout and satisfaction with work-life balance among US physicians relative to the general US population. *Arch Intern Med*. 2012;172(18):1377–85.
5. Maslach D, Jackson SE, Leiter MP, et al. *Maslach Burnout Inventory manual, general survey, human services survey, educators survey and scoring guides*. US: Mind Garden Inc; 1986.
6. Rossouw L, Seedat S, Emsley RA, Suliman S, Hagemester D. The prevalence of burnout and depression in medical doctors working in the Cape Town Metropolitan Municipality community healthcare clinics and district hospitals of the Provincial Government of the Western Cape: A cross-sectional study. *S Afr Fam Pract*. 2013;55(6):567–73.
7. Schaufeli WB, Bakker AB, Van der Heijden FM, Prins JT. Workaholism, burnout and well-being among junior doctors: The mediating role of role conflict. *Work Stress*. 2009;23(2):155–72.
8. Cole AM, Chen FM, Ford PA, Phillips WR, Stevens NG. Rewards and challenges of community health center practice. *J Prim Care Community Health*. 2014;5(2):148–51. <http://www.ncbi.nlm.nih.gov/pubmed/24327589>.
9. Reid SJ. Compulsory community service for doctors in South Africa- an evaluation of the first year. *S Afr Med J*. 2001;91(4):329–36.
10. Reardon C GG. An examination of the factors fueling migration amongst Community Service practitioners. *Afr J Prim Heal Care Fam Med*. 2014;6(625):9.
11. Liebenberg AR, Coetzee Jr JF, Conradie HH, Coetzee JF. Burnout among rural hospital doctors in the Western Cape: Comparison with previous South African studies. *Afr J Prim Health Care Fam Med*. 2018;10(1):1-7.
12. World Health Organization. *Declaration of Alma-Ata: International Conference on Primary Health Care, Alma-Ata, USSR.1978;14(11):2006*.
13. Visagie S, Schneider M. Implementation of the principles of primary health care in a rural area of South Africa. *Afri J Prim Health Care Fam Med*. 2014;6(1):1–10.
14. Naledi T, Schneider H, Barron P. Primary Health Care in South Africa since 1994 and implications of the new vision for PHC re-engineering. *South African Health Review* 2011. 2011;17–28.
15. Department of Health. *National Health Insurance in South Africa: policy paper*. http://www.greengazette.co.za/notices/national-health-act-no-61-of-2003-policy-on-national-health-insurancedraft_20110812-GGN-34523-00657.
16. Mayosi BM, Lawn JE, Van Niekerk A, Bradshaw D, Karim SS, Coovadia HM. Health in South Africa: Changes and challenges since 2009. *Lancet*. 2012;380(9858):2029–43. [http://dx.doi.org/10.1016/S0140-6736\(12\)61814-5](http://dx.doi.org/10.1016/S0140-6736(12)61814-5).
17. Mash R, Ogunbanjo G, Naidoo SS, Hellenberg D. The contribution of family physicians to district health services: A national position paper for South Africa. *S Afri Fam Pract*. 2015;57(3):54–61.
18. Mash B. Reflections on the development of family medicine in the Western Cape, South Africa: A 15 year review. *S Afr Fam Pract*. 2011;53(6):557–562.
19. Gilson L, Barasa E, Nxumalo N, Cleary S, Goudge J, Molyneux S, et al. Everyday resilience in

- district health systems: emerging insights from the front lines in Kenya and South Africa. *BMJ Glob Heal*. 2017;2(2):e000224.
20. Jackson D, Firtko A, Edenborough M. Personal resilience as a strategy for surviving and thriving in the face of workplace adversity: A literature review. *J Adv Nurs*. 2007;60(1):1–9.
 21. Zwack J, Schweitzer J. If every fifth physician is affected by burnout, what about the other four? Resilience strategies of experienced physicians. *Acad Med*. 2013;88(3):382–9.
 22. Eley DS, Cloninger CR, Walters L, Laurence C, Synnott R, Wilkinson D. The relationship between resilience and personality traits in doctors: implications for enhancing well being. *PeerJ*. 2013;1:e216.
 23. Dunn LB, Iglewicz A, Moutier C. A conceptual model of medical student well-being: Promoting resilience and preventing burnout. *Acad Psychiatry*. 2008;32(1):44–53.
 24. Stevenson AD, Phillips CB, Anderson KJ. Resilience among doctors who work in challenging areas: A qualitative study. *Br J Gen Pract*. 2011;61(588):404–410.
 25. Robinson DN. *Aristotle's Psychology*. New York: Columbia University Press, 1989.
 26. Robertson HD, Elliott AM, Burton C, Iversen L, Murchie P, Porteous T, et al. Resilience of primary healthcare professionals: a systematic review. *Br J Gen Pract*. 2016;66(647):e423–33.
 27. Cooke GP, Doust JA, Steele MC. A survey of resilience, burnout, and tolerance of uncertainty in Australian general practice registrars. *BMC Med Educ*. 2013;13(1):2.
 28. Jensen PM, Trollope-Kumar K, Waters H, Everson J. Building physician resilience. *Can Fam Physician*. 2008;54(5):722–9.
 29. Howe A, Smajdor A, Stöckl A. Towards an understanding of resilience and its relevance to medical training. *Med Educ*. 2012;46(4):349–56.
 30. Connor KM, Davidson JRT. Development of a new Resilience scale: The Connor-Davidson Resilience scale (CD-RISC). *Depress Anxiety*. 2003;18(2):76–82.
 31. Wagnild GM, Young HM. Development and psychometric evaluation of the Resilience Scale. *J Nurs Meas*. 1993;1(2):165–178.
 32. Wallace JE, Lemaire J. On physician well being-You'll get by with a little help from your friends. *Soc Sci Med*. 2007;64(12):2565–77.
 33. Pascale R, Sternin J, Sternin M. *The Power of Positive Deviance: How Unlikely Innovators Solve the World's Toughest Problems*. Harvard Business Press. 2010.
 34. Stevenson AD, Phillips CB, Anderson KJ. Resilience among doctors who work in challenging areas: A qualitative study. *Br J Gen Pract*. 2011;61(588):404–10.
 35. Dyers RE, Mash R, Naledi T. How far does family physician supply correlate with district health system performance? *Afr J Prim Health Care Fam Med*. 2015;7(1):1–9.
 36. Mabuza LH, Govender I, Ogunbanjo GA, Mash B. African Primary Care Research: Qualitative data analysis and writing results. *Afr J Prim Health Care Fam Med*. 2014;6(1):1–5.
 37. Warner R. *The building resilience handbook*. Rod Warner & Associates; Cape Town 2012.
 38. Keeton K, Fenner DE, Johnson TR, Hayward RA. Predictors of physician career satisfaction, work-life balance, and burnout. *Obstet Gynecol*. 2007;109(4):949–55.
 39. Stoddard JJ, Hargraves JL, Reed M, Vratil A. Managed care, professional autonomy, and income: Effects on physician career satisfaction. *J Gen Intern Med*. 2001;16(10):675–84.
 40. Mash RJ, Govender S, Isaacs AA, De Sa A, Schlemmer A. An assessment of organisational values, culture and performance in Cape Town's primary healthcare services. *S Afr Fam Pract*. 2013;55(5):459–66.
 41. Polachek AJ, Wallace JE, Gautam M, De Grood JA, Lemaire JB. The look and feel of resilience: A qualitative study of physicians' perspectives. *J Hosp Adm*. 2016;5(2):47.
 42. Ward S, Outram S. Medicine: in need of culture change. *Intern Med J*. 2016;46(1):112–6.

APPENDIX 1:

INTERVIEW GUIDE

TITLE

Exploring resilience in family physicians working in primary health care in the Cape Metropole: a qualitative study

PURPOSE OF INTERVIEW

You were identified for this research project as someone who seems to cope with challenges in the work place and display resilience. We would like to understand how you deal positively with work and life stressors so that we could potentially help other doctors working in PHC by preventing burnout.

The participant is encouraged to reflect on the following definition before the interview is conducted.

“Resilience is the ability to maintain personal and professional wellbeing in the face of on-going work stress and adversity”.

INTERVIEW QUESTIONS

To be conducted in an open- ended, semi- structured guiding style.

1. To explore the understanding of resilience among doctors working in PHC
 - Think back to an example of a time or situation when you felt you were resilient. Provide examples of what resilience is in the context of their work.
 - Can you think of a FP you would regard as resilient in the face of significant adversity? How would you describe a resilient FP?
2. To explore strategies which contribute to personal resilience.
 - How do you experience and personally manage workplace stressors and demands in your role as FP?
 - What factors in your environment (work or social) have helped you to deal with challenges positively in the past year?
3. Motivation for remaining in primary healthcare.
 - Tell me about how you came to work in PHC ?
 - What motivates you to remain PHC?
4. What would you tell upcoming family physicians they need to know to do well?