



**CHALLENGES AND PROSPECTS OF THE NATIONAL INDIGENOUS KNOWLEDGE
SYSTEMS POLICY IN INTEGRATING AFRICAN TRADITIONAL MEDICINES INTO
THE PUBLIC HEALTHCARE SYSTEM IN SOUTH AFRICA.**

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Philosophy

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11 August 2024

Declaration

I, Wilondja Muzumbukilwa, declare that:

1. The research reported in this thesis, except where otherwise indicated, is my original research.
2. This thesis has not been submitted for any degree or examination in any other university.
3. This thesis does not contain other persons' data, pictures, graphs or other information unless specifically acknowledged as being sourced from other persons.
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Signed: 

Date: 11 August 2024

As the candidate's supervisor, I agree to the submission of this thesis.

Supervisor: Prof Hassan O Kaya

Signed: 

Date: 12 August 2024

Dedication

This thesis is dedicated to my family's unwavering support and love, who have been my pillars of strength throughout this journey.

To my beloved wife, Furaha Maruba Muzumbukilwa, your endless encouragement and understanding have been the foundation upon which I built this thesis. Your unwavering belief in me has been my guiding light.

To my dear children Jospin Muzumbikilwa, Joyce Muzumbikilwa, Joshua Siyabonga Muzumbikilwa, Sibusiso Jotham Muzumbikilwa, and Sipho Josiah Muzumbikilwa, your laughter and joy have been my motivation. Thank you for your patience and understanding during times when I was engrossed in my research.

To my father, Muzumbukilwa Willy Wabissa, your wisdom, guidance, and sacrifices have shaped me into who I am today. Your belief in my abilities has always been my driving force.

And to the memory of my late mother, Wakusomba Marceline Musaka whose love, strength, and unwavering support continue to inspire me every day. Though you are no longer with us, your spirit lives on in everything I do.

This thesis is a testament to my family's love, support, and sacrifices. I am forever grateful for your presence in my life.

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Lastly, I would like to express my profound gratitude to my lovely wife, Queen Furaha Maruba Muzumbukilwa, for supporting me throughout my career. Without you, my love, I doubt I would have made it this far! Thank you for being a pillar of strength in this academic journey! I am genuinely thankful for your constant words of encouragement and unwavering emotional support and pressure during my studies. "Celebrating our achievement, we stand at this milestone, declaring with joy, 'Ebenezer,' marking our remarkable journey to this point!"

Abstract

Using a mixed method approach, the study investigated the challenges and prospects of the National Indigenous Knowledge Systems Policy (2004) in integrating African Traditional Medicines into the public healthcare system in South Africa. African Traditional Medicines (ATM) and healing systems are increasingly recognized as an important aspect of the primary public healthcare delivery system within and outside South Africa. This is primarily the case in predominantly rural and marginalized communities with limited conventional healthcare services. ATM and healing systems are integral to African cultures and local knowledge systems.

The study used a comparative case study and participatory approach, focusing on the uGu and uMkhanyakude District Municipalities in KwaZulu-Natal Province, South Africa. The study aimed to understand the knowledge and perceptions of local communities as healers and clients, regarding the prospects and challenges of the implementation of the National Indigenous Knowledge Systems (IKS) Policy (2004), with special reference to ATM. The study followed a comparative approach of two district municipalities in the KwaZulu-Natal Province, South Africa, with different ecological systems, i.e. uGu and uMkhanyakude District Municipalities. The comparative approach was chosen due to ATMs' cultural and ecological specificity, with uMkhanyakude District in the north of the province having an arid environment and uGu in the south being tropical. These ecological differences were considered critical in assessing traditional medicinal knowledge and healing practices. The study suggested that these ecological differences must be considered when implementing the IKS Policy (2004).

Findings revealed that ATM use was prevalent in rural and marginalized communities of both district municipalities, mainly due to limited conventional healthcare services, and the affordability, accessibility, and cultural acceptability of ATM, especially among marginalized communities and social groups such as women, children, and the elderly. However, the majority of traditional healthcare practitioners and their clients in both district municipalities were not aware of the existence of the National IKS Policy (2004).

The study recommended the following:

1. Because substantial numbers of ordinary people in African local communities, including the study areas, consulted ATHPs for primary healthcare, this study suggests the great need for more comparative, culturally and ecologically specific research studies to understand the

significance of this healthcare and associated local community-based knowledge systems in advancing healthcare, social and epistemic justice.

2. The limited knowledge and awareness among various stakeholders, including ATHPs, regarding policy frameworks related to IKS and ATM, calls for a deeper investigation of specific challenges commonly encountered by ATHPs and their clients across South Africa. This investigation should also explore the implications for policy development and implementation.
3. Finally, a critical review of existing legislation and active engagement with relevant policymakers to address the challenges of integrating African traditional medicine into the public healthcare system is recommended for future studies.

Keywords: African Traditional Medicines (ATM), comparative study, Indigenous Knowledge Systems (IKS) Policy, Implementation, Integration of African Traditional Medicine, KwaZulu-Natal Province, Modern Medicine, Public Healthcare , and South Africa.

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- 219 ABET: Adult Basic Education and Training
- 220 AI: Artificial Intelligence
- 221 AIKS: African Indigenous Knowledge Systems
- 222 ANC: African National Congress
- 223 ARIPO: African Regional Intellectual Property Organization
- 224 ATHP : African Traditional Healthcare Provider
- 225 ATM: African Traditional Medicine
- 226 AU: African Union
- 227 BAA: Bantu Authorities Act
- 228 BHP: Biomedical Health Practitioner
- 229 BSG: Bantu Self-Government Act
- 230 CAM: Complementary and Alternative Medicine
- 231 CBD: Convention on Biological Diversity
- 232 CIKS: Centre in Indigenous Knowledge Systems
- 233 CIPC: Companies and Intellectual Property Commission
- 234 CM: Complementary medicine
- 235 CSIR: Council for Science and Industrial Research
- 236 CTLSA: Congress of Traditional Leaders of South Africa
- 237 CZL: Code of Zulu Law
- 238 DACST: Department of Arts, Culture, Science and Technology
- 239 DEAT: Department of Environmental Affairs and Tourism
- 240 DoC: Discipline of Competence
- 241 DPSA: Department of Public Service and Administration
- 242 DSI: Department of Science and Innovation
- 243 DST: Department of Science and Technology
- 244 DTI: Department of Trade and Industry
- 245 FDA: Food and Drug Administration
- 246 FGDs: Focus group discussions
- 247 HPs: Healing practices
- 248 ICT: Information and Communication Technology
- 249 ICTs: Information and Communication Technologies
- 250 IF: Indigenous Foods

251 IK: Indigenous Knowledge
252 IKC: IK community coordinator
253 IKRs: Indigenous Knowledge recorders
254 IKS: Indigenous Knowledge Systems
255 IKSDC: Indigenous Knowledge Systems Documentation Centre
256 IKSDC: Indigenous Knowledge Systems Documentation Centres
257 ILO: International Labour Organisation
258 IP: Intellectual Property
259 IPR: Intellectual property right
260 IPRs: Intellectual Property Rights
261 IPS: Intellectual Property system.
262 ITHPC: Interim Traditional Health Practitioners Council
263 KZN: KwaZulu-Natal
264 MCC: Medicines Control Council
265 MRC: Medical Research Council
266 NA: National Assembly
267 NCM: Non-conventional medicine
268 NCOP: National Council of Provinces
269 NDA: Non-Disclosure Agreement
270 NDoH: National Department of Health
271 NDP: National Drug Policy
272 NGO: Non-Governmental Organization
273 NHA: National Health Act
274 NHTLS: National House of Traditional Leaders
275 NIKMAS: National Indigenous Knowledge Management System
276 NIKSO: National Indigenous Knowledge Systems Office
277 NQF: National Qualification Framework
278 NRCATM: National Reference Centre for African Traditional Medicines
279 NRDS: National Research and Development Strategy
280 NRS: National Recordal System
281 NW: North West
282 PGDS: Provincial Growth and Development Strategy
283 PHC: Primary healthcare

284 PIC: Prior Informed Consent
285 PRA: Participatory Rural Appraisal
286 PSET: Post School Education and Training
287 R&D: Research and Development
288 RPL: Recognition of Prior Learning
289 SA: South Africa
290 SAQA: South African Qualifications Authority
291 SDGs: Sustainable Development Goals
292 THP: Traditional Healthcare Practitioner
293 THPA: Traditional Health Practitioners Act
294 TIA: Technology Innovation
295 TM: Traditional Medicine
296 TRIPS: Trade-Related Aspects of Intellectual Property Rights
297 UNCTAD: United Nations Conference on Trade and Development
298 UNEP: United Nations Environment Programme
299 UNESCO: United Nations Educational, Scientific and Cultural Organization
300 WHA: World Health Assembly
301 WHO: World Health Organization
302 WIPO: World Intellectual Property Organization
303 WTO: World Trade Organization
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Chapter One: Introduction

1.1. Background

This chapter provides a comprehensive background of the research study, outlining the problem statement, key questions, aims, and objectives. It also explains the research approach adopted, which is elaborated upon in Chapter Three. The study critically examines the challenges and prospects of the South African National Indigenous Knowledge Systems (IKS) Policy (2004), with particular emphasis on Traditional Medicine and Healing practices.

In this study, IKS refers to a systematic body of knowledge, skills, innovations, technologies, and belief systems produced locally and traditionally transmitted orally from one generation to another for sustaining livelihood (Kaya and Seleti, 2013).

The South African government adopted the IKS Policy (2004) to provide an enabling framework for stimulating and strengthening the contribution of IKS to social and economic development in the country. Its main drivers in the South African context include: The affirmation of African cultural values in the face of globalization - a clear imperative given the need to promote a positive African identity; Practical measures for the development of services provided by IK holders and practitioners, with a particular focus on traditional medicine, but also including areas such as agriculture, indigenous languages, and folklore; Underpinning the contribution of IKS to the economy - the role of IKS in employment and wealth creation; and interfaces with other knowledge systems, for example, indigenous knowledge is used together with modern biotechnology in the pharmaceutical and other sectors to increase the rate of innovation.

The following functions, institutions, and legislative provisions would be required to implement this policy: An Advisory Committee on IKS, reporting to the Minister of Science and Technology; A development function, including academic and applied research, development, and innovation in respect of IKS; A recordal system for indigenous knowledge and indigenous knowledge holders; where appropriate, to pro-actively secure their legal rights; The promotion of networking structures among practitioners, to be located in the Department of Science and Technology; and A legislation to protect intellectual property associated with indigenous knowledge, to be administered by the Department of Trade and Industry (DST, 2004).

338 The World Health Organization (WHO, 2017) defines Traditional Medicine as the knowledge, skills,
339 and practices based on the theories, beliefs, and experiences indigenous to different cultures, used in
340 the maintenance of health and the prevention, diagnosis, improvement, or treatment of physical and
341 mental illness. Sometimes referred to as indigenous medicine, it entails medical aspects of traditional
342 knowledge systems developed over generations within the local community belief systems before the
343 era of conventional medicine (Akshaya et al., 2023).

344

345 Traditional medicine and healing practices encompass animal, herbal, or mineral-based medicines
346 and spiritual therapies for preventing, diagnosing, and treating physical and mental illnesses and
347 maintaining well-being. In line with the IKS holistic conceptualization of health, WHO (1948) and
348 Schramme (2023) define health as a complete physical, mental, and social well-being and not merely
349 the absence of disease or infirmity. It is based on this holistic understanding of the interdependence
350 between traditional medicine, healing, and spiritual aspects of health that traditional healing practices
351 are considered the most important link between the rural people of Africa and health care delivery
352 (Nelms & Gorski, 2006; Flint, 2015; Pemunta & Tabenyang, 2020).

353

354 Chikwari (2019) indicates that according to WHO, the most important issues affecting the practice of
355 traditional medicine fall into the following categories: (i) National policy and regulatory frameworks
356 – crucial to overall delivery; (ii) Safety, efficacy, and quality – crucial to extending and regulating
357 traditional medicine care; (iii) Access – making traditional medicine available and affordable; and
358 (iv) Rational use – ensuring appropriateness and cost-effectiveness.

359

360 Therefore, to recognize the importance of traditional medicine in South Africa, the Department of
361 Health promulgated the Traditional Health Practitioners Act (2007). It is designed to regulate the
362 registration, training, and practices of traditional health practitioners and serve and protect the
363 interests of members of the public who utilize their services. It proposed the establishment of a
364 regulatory body. It also emphasized the need to intensify research and development (R&D) work in
365 ATMs, particularly regarding recording and supporting traditional healers on safety and accessibility.

366

367 Krah et al. (2018) and Subedi, B. (2023) consider the significance of integrating traditional medicine
368 and healing practices as holistic and to provide the overall well-being of a person. Traditional healing
369 takes the body, self, and society within a framework of dynamic equilibrium. This holistic approach
370 to health and wellness considers a person's values, passions, beliefs, social interactions, and spiritual
371 orientation. Examples of traditional healing in African traditional medicine and healing include
372 incantations, religious verses, spiritual methods, amulets, sacrifices, rituals, etc. This holistic

373 approach to health and wellness tends to be neglected in biomedicine practices, which focus mainly
374 on the biological aspects of health.

375

376 African traditional medicine (ATM) and healing practices are increasingly being recognized as an
377 important aspect of the primary public healthcare delivery system in South Africa, especially in
378 predominantly rural and other marginalized communities characterized by limited conventional
379 healthcare services. This is elaborated by Mothibe and Sibanda (2019) and Mutombo et al. (2023),
380 who attribute the importance of ATM and healing systems to accessibility, availability, affordability,
381 cultural acceptance, and spiritual, religious, and sociological values. These holistic elements make
382 them a preferred option for many African people across African cultures over biomedicine, which
383 focuses on the biological aspects of health. Muhammed et al. (2023) emphasize that traditional
384 healthcare practitioners treat patients holistically. They generally seek to recombine sufferers' mental
385 and social equipoise according to social and cultural beliefs and value relationships. The accessibility
386 of traditional medicine is one of the most important reasons for its popularity across Africa. In the
387 study areas, for instance, ATM and healing systems were considered part of African culture, and local
388 knowledge systems founded on traditional beliefs and practices coexist with the Western healthcare
389 system (Mander et al., 2007).

390

391 The significance of this study lies in its potential to transform healthcare delivery and uphold cultural
392 heritage. African traditional medicines, deeply embedded in the continent's cultural fabric, present
393 valuable therapeutic options that have been employed for generations. By exploring how these
394 practices can be integrated into the formal healthcare system, this study seeks to address disparities
395 in healthcare access and inclusivity. It underscores the necessity of acknowledging and validating
396 indigenous knowledge systems, which can lead to more comprehensive and culturally relevant
397 healthcare solutions. Additionally, by examining the challenges and opportunities of this integration,
398 the study aims to inform policy development, ensuring that traditional medicines effectively
399 complement modern medical practices. This research promises to contribute to a more equitable and
400 inclusive healthcare system in South Africa, respecting indigenous knowledge and fostering
401 sustainable health practices.

402

403 Despite its potential, the integration of African traditional medicine within the formal healthcare
404 system remains underexplored, particularly in terms of indigenous knowledge management policies
405 and the challenges faced by rural and marginalized communities across Africa. This study provides
406 empirical evidence on these communities' healthcare challenges, highlighting the current system's
407 inefficiencies and gaps. One major challenge is the operation of African traditional medicine outside

408 the formal healthcare framework, which leads to issues in regulation, standardization, and
409 collaboration. By investigating potential avenues for collaboration between Western and traditional
410 medicine, this study aims to leverage the strengths of both to offer a more holistic and effective
411 healthcare experience. Ultimately, this research enhances our understanding of traditional healing
412 practices' cultural and historical foundations, promoting their acceptance and integration into
413 mainstream public healthcare.

414

415 **1.2 The Research Problem**

416 The National IKS Policy (2004) has acknowledged the importance of African traditional medicine. It
417 has mandated the Department of Science and Innovation (DSI) to develop instruments for
418 implementing the policy, including preserving, protecting, and promoting IKS, comprising ATM.
419 However, despite this recognition, African traditional medicine has not been taken seriously in
420 seeking sustainable solutions in primary public health care policy development and implementation,
421 especially at local, district, and provincial levels. In the continued dominance of Western science in
422 academia, research and development ATM and healing practices are still considered primitive and
423 unscientific (Mothibe and Sibanda, 2019; Odede, 2020; Izuchukwu, 2022; Adu-Gyamfi & Anderson,
424 2022).

425

426 Mthembu (2021) elaborates that despite the growing interest in traditional medicine and its relevance
427 to public healthcare and wellness, the legacy of apartheid in South Africa persists against African
428 worldviews, ways of knowing, value systems and methods of knowing and knowledge production,
429 especially at local community levels, where the majority of people, especially women and children,
430 who depend on IKS including ATM and healing practices, for sustainable livelihood, live. The
431 colonial and apartheid policies in South Africa, for example, outlawed all forms of indigenous
432 practices, including ATM and healing practices (McFarlane, 2015; Pemunta & Tabenyang, 2020a).
433 Mokhutso (2021) adds that despite the existence of the IKS Policy (2004) and IK Act (2019), the
434 factors influencing clients' choice of healthcare and healthcare providers, including healers, have not
435 been adequately investigated, regardless of the growing attention given to ATM.

436

437 Cognisant of the fact that IKS is culturally and ecologically specific, the study made a comparative
438 examination of two different ecologically located district municipalities in KwaZulu-Natal Province,
439 i.e., the arid uMkhanyakude District Municipality in the North of the province, which is ecologically
440 distinct from the tropical uGu District Municipality in the South of the province. This impacts their
441 traditional medicinal and healing practices, including types and sources of medicinal resources. The

442 investigation also considered how the differences in the two study areas' historical socio-cultural
443 value systems and ecological backgrounds impacted their understanding and implementation of the
444 IKS (2004) policy.

445

446 The study argued that the specific historical, cultural, and ecological particularities of cultural
447 communities in the context of traditional medicine and healing systems tend to be neglected in most
448 IKS policy developments and implementation in Africa, including that of the National IKS Policy
449 (2004) in South Africa. For instance, although the Zulu people are categorized as a single tribe, their
450 localities, including ecological systems, differ. For example, the uMkhanyakude district Municipality
451 in the north experiences a semi-arid climate, while the uGu District Municipality in the south of
452 KwaZulu-Natal province has a sub-tropical climate. These differences made them the focus of this
453 research to ascertain their impact on the implementation of the National IKS Policy (2004) within
454 African traditional medicine and healing.

455

456 Furthermore, studies conducted by Bagley (2018) and Mhlongo (2021) reveal that the IKS policy and
457 IK Act, adopted by the government in 2004 and 2019, respectively, remain a national competency.
458 There are no established formal local, district, or provincial structures for implementing the IKS
459 policy at these levels within South African society (Mutombo et al.,2023). Additionally, there is a
460 notable absence of implementation of IKS policy imperatives within the context of ATM, particularly
461 from the perspectives of local community members, including the holders of Indigenous Knowledge
462 (IK) and practitioners themselves (Keane et al., 2023). Shonhai (2016) adds that there have been
463 limited comparative empirical studies at the local community level to ascertain the knowledge and
464 awareness of implementing the IKS Policy (2004) within the context of ATM and healing practices.
465 The factors influencing clients' choice of healers have not been adequately investigated regardless of
466 the growing attention given to ATM and healing in the country (Lor et al., 2017). As a result, the
467 current study has focused on investigating the importance of culture and ecological diversity in ATM.
468 Two diverse ecological zones in KZN province were selected as case studies for the study. These are
469 the uMkhanyakude District (semi-arid) and uGu District (Sub-tropical).

470

471 In recent years, there has been a growing interest in traditional medicine and its relevance to public
472 health in developed and developing countries. However, the dominance of Western world views,
473 ways of knowing, value systems, and knowledge production on healthcare and wellness continue to
474 undermine and threaten the holistic nature of indigenous knowledge systems on healthcare, including
475 traditional medicine and healing practices (Abdullahi, 2011; Martin, 2012; Carrie et al., 2015). The

476 colonial and apartheid policies in South Africa, for example, outlawed all forms of indigenous
477 practices, including traditional medicine (McFarlane, 2015; Pemunta & Tabenyang, 2020a).

478

479 Existing studies and policy strategies have failed to consider ATMs' cultural and ecological specificity
480 in their implementation strategies. They have also not investigated the effects of diversity of
481 ecological factors on the comparative distribution of population size of traditional healers (diviner or
482 sangoma and the herbalist or inyanga) and their clients.

483

484 **1.3 Research Questions**

485 The following research questions guided the study:

486

- 487 1. To what extent does the implementation of the South African National IKS policy (2004), within
488 the context of African traditional medicine and healing practices, take into account the historical
489 socio-cultural value and ecological systems of the respective local communities in KwaZulu-
490 Natal province, with special reference to uMkhanyakude District (semi-arid) and uGu District
491 (Sub-tropical)?
- 492 2. What are the comparative conceptualizations of the socio-economic and demographic
493 characteristics of the research participants from the Zulu people's cultural perspectives?
- 494 3. What are the comparative local community members' knowledge, awareness, and perceptions of
495 indigenous knowledge systems and the African traditional medicine policy landscape in South
496 Africa?
- 497 4. What is the comparative analysis of the local community members' perceptions of integrating
498 African traditional medicine into the public health care system in South Africa?

499

500 The study wanted to achieve the following specific objectives:

- 501 1. 1.1 To assess the extent of the implementation of the South African National IKS policy (2004)
502 within the context of African traditional medicine and healing practices, taking into consideration
503 the comparative historical socio-cultural value and ecological systems of the study areas, i.e.,
504 uMkhanyakude District Municipality (Semi-arid) and uGu District (Sub-tropical);
- 505 1.2 To investigate the views of the local community members, including the African Traditional
506 Healthcare Providers (ATHPs) residing in the study areas, who possess knowledge of the
507 National IKS Policy (2004) and international policy frameworks, regarding their
508 implementation within the context of African Traditional Medicine and Healing Practices;

- 509 2. 2.1 To assess the comparative influences of the socio-cultural and ecological factors in the study
510 area on traditional medicine and healing practices, especially on the implementation of the
511 National IKS Policy (2004) imperatives;
- 512 2.2 To investigate and understand the comparative conceptualizations of the socio-economic and
513 demographic characteristics of the research participants from the Zulu people's cultural
514 perspectives;
- 515 3. To assess the comparative level of knowledge and awareness of the local community members,
516 including the African Traditional Healthcare Providers (ATHPs), in the study areas, about the
517 National IKS Policy (2004) and international policy frameworks within the context of African
518 Traditional Medicine (ATM) and healing practices;
- 519 4. To conduct a comprehensive comparative analysis of local community members' perceptions
520 regarding integrating African traditional medicine into the South African public health care
521 system.

522 **1.4 Organization of the Study Report**

523 The research study report is organized as follows:

524 Chapter One is the Introduction. It provided the background to the study, rationale, statement of the
525 problem, research questions, and objectives of the study, including organization of the research
526 report;

527 Chapter Two is the Literature Review. It provided the researcher with the opportunities to: identify
528 the areas of prior scholarship to prevent duplication and give acknowledgement to other researchers
529 in the field of indigenous knowledge and traditional medicine; find gaps in research, conflicts in
530 previous studies, open questions left from other research on the field and justify the need for
531 additional research.

532 Chapter Three discussed the conceptual and theoretical framework that underpins the study research
533 process. It critically looks at the relevant theories, key concepts, variables, relationships, and
534 assumptions that underlie the research study on the South African National Indigenous Knowledge
535 Systems (IKS) Policy (2004) with special reference to Traditional Medicine (TM) and healing
536 practices (HPs) in the study areas. This provided the study's theoretical and conceptual foundation,
537 including the research methodological process, i.e., the selection and description of the study sites,
538 study population, sampling procedures, data collection methods, ethical considerations, data analysis,
539 reliability, and data validity. It helped ensure the study was focused, relevant, valid, and reliable to
540 the research problem and questions. This gave the basis for making conclusions and recommendations
541 for the study.

542

543 Chapter Four presented the study's research methodology, which followed an indigenous mixed
544 methods approach. The participants, including the African Traditional Healthcare Practitioners and
545 their clients, guided and embodied the research process and results. The researcher was only part of
546 the research process in the co-knowledge production with the research participants. He ensured the
547 research community held ownership, control, access, and data protection.

548

549 Chapter Five focused on the research participants' comparative socio-economic and - demographic
550 characteristics from the Zulu people's cultural perspectives.

551

552 Chapter Six discussed the comparative local community members' knowledge, awareness, and
553 perceptions of indigenous knowledge systems and the African traditional medicine policy landscape
554 in South Africa.

555

556 Chapter Seven was a comparative analysis of the local community members' perceptions of
557 integrating African traditional medicine into the public healthcare system in South Africa.

558

559 Chapter Eight provided the Conclusion and Recommendations from the research study.

560

561

Chapter Two: Literature Review

562

563 **2.1 Introduction**

564 This Chapter focuses on the review of related literature for the research study. The review of the
565 related literature provided the researcher with the following opportunities for the study: identification
566 of areas of prior scholarship to prevent duplication and give acknowledgement to other researchers
567 in the field of indigenous knowledge and traditional medicine; finding gaps in research such as
568 conflicts in previous studies, open questions left from other research on the field; and justifying the
569 need for additional research.

570

571 For instance, indigenous knowledge's various conceptualizations and articulations have led to
572 controversial debates. Dissimilar terminologies and conceptualizations describe what “indigenous
573 knowledge” is all about. Accordingly, Kaya (2013) includes “native knowledge”, “local knowledge”,
574 “folk knowledge”, “community knowledge”, ecological knowledge, etc. All these articulations
575 highlight how indigenous knowledge is a complete knowledge system with its worldviews, ways of
576 knowing, and value systems. In addition, Snyder (2019) also admits that these articulations should
577 include production, management, and protection methods, which comprise bodies of knowledge,
578 skills, innovations, technologies, beliefs, and value systems. The subsection below discusses the
579 background of the South African IKS policy.

580

581 **2.2 Background to the IKS Policy (2004)**

582 IKS are a set of local information developed over centuries of experimentation and transmitted orally
583 from generation to generation (Sarkhel, 2017; Grigo, 2022). This explains how they are an important
584 promoter of sustainable development due to their direct connection to the environment and resource
585 management.

586

587 In the context of this study, IKS concerns South African local communities that can provide the socio-
588 cultural information necessary about TM for community health advantages. Knoess & Wiesner
589 (2019) reveal that this knowledge flourishes within the community’s local environmental,
590 geographical, and cultural context; importantly, those IKS facilitate communication and decision-
591 making within a community.

592

593 In South Africa, Zuma et al. (2016) substantiate that IKS policy can trigger the understanding, skills,
594 and philosophies that local communities develop with long histories of interaction with their natural
595 surroundings. For rural and indigenous peoples, understanding local IKS policy sounds like an

596 important tool for informing decision-making about fundamental aspects of people's everyday lives.
597 Therefore, the South African IKS policy needs protection for its sustainability, as the Cabinet adopted
598 it in 2004. This policy identifies the need to establish a recordal system in which communities, guilds,
599 and individual IK holders can record their knowledge to advance future economic benefits and social
600 good (Ramaube, 2018; Maluleka et al., 2020). Furthermore, IKS also has an impact within the South
601 African context because it can contribute to preserving culture, learning community history, income
602 generation, and maintaining the relationship between the community members (Chali et al., 2021).

603

604 Consequently, the Post-apartheid government of South Africa has initiated various policies, legal
605 frameworks, and instruments (Marais & de Lange, 2017) as part of its social transformation to redress
606 the limitations of the past since the independence of South Africa in 1994 (Venter, 2018). Most of
607 these initiatives aim to cover up the country's marginalization during that period in different domains,
608 such as the medical domain. Mothibe and Sibanda (2019) endorse that IKS in South Africa was much
609 neglected, as did TM's role in the public healthcare system. Naidoo (2010) reveals how this idea
610 originated from the then Department of Arts, Culture, Science and Technology, which in 1999
611 approached the Cabinet to formulate a policy on IKS. This led to an interdepartmental task team to
612 embark on a complex process of consultation and research, leading to a national policy. According to
613 Osenia and Shannon (2020), this program embraced a wide range of actions and endorsements
614 relevant to IKS, including, inter alia, integrating IK into national education, mostly the medical
615 domain. Similarly, Maluleka (2020) and Ramaube (2018) emphasize that integration also
616 encompassed research and development systems, proposed administration of IK systems,
617 institutionalization, funding, and legislative imperatives.

618

619 Consequently, it was only in 2004 that the South African Government decided to adopt the IKS policy
620 because they deemed it was an area of action. Since then, various government departments have been
621 tasked with developing policies and legislative amendments that will support the objectives of the
622 IKS Policy. The aspirations of the National IKS Policy (2004) include, among others, improving the
623 quality of life of the underprivileged people using their ways of knowing and value systems and
624 contributing to South African globalization based on its traditions and ways of knowing, including
625 solving its healthcare challenges. According to Chakrabarty and Rodricks (2022) and Sreenath
626 (2023), this was so because the protection of IK and the owners of such knowledge were vital for
627 developing the TM countrywide. This ensured that South African communities received fair and
628 sustained recognition and, in some contexts, perhaps, they could receive financial remuneration for
629 using their information. In the mind of Chali et al. (2021), using indigenous information appropriately
630 can boost TM in South Africa because it can help in healing people physically and spiritually.

631

632 Many South African local communities appreciate traditional healing. Hence, its use can sustain its
633 existence by connecting it to modern medicine because both can produce wonderful results in the
634 medical domain (Karanja, 2019; Qadir & Raja, 2021). Many people endorse such an opinion because
635 they connect it with its strong impact on patients' lives, legitimizing their support for it in this modern
636 world. This depicts how IKS have the power to promote widespread traditional medicine among
637 South African communities and the masses of people who appreciate it. In effect, TM is becoming
638 increasingly appreciated because Makundi et al. (2006) concede that combining the above variables
639 with IKS, in connection with modern medicine, can immensely improve the health system
640 countrywide and even in the region. Furthermore, learning IKS can help encourage the acceptance of
641 traditional medicine as a societal way of taking care of people's health.

642

643 Knoess and Wiesner (2019) suggest that using Indigenous Knowledge Systems (IKS) can effectively
644 address health issues within communities and the country at large. The IKS policy thus remains a
645 valuable framework for expanding the public's understanding of traditional medicine (TM) beyond
646 what they have known since it first emerged in their communities. For the World Health Organization,
647 comprehending how Indigenous Knowledge Systems function, provides a means of linking it to
648 traditional medicine (WHO, 2019). This connection highlights the cultural practices that make
649 traditional medicine more affordable, faster, and more accessible than modern medical alternatives
650 (Adu-Gyamfi & Sophia, 2023).

651

652 Additionally, when TM heals South Africans, they understand better how the situation is common in
653 many cultures in the country. In other words, if people fail to recognize how IKS can promote TM,
654 they cannot appropriately use traditional medicine (WHO, 2019). However, when IKS faces
655 challenges of being understood, sometimes patients may remain undecided about what to do to heal.
656 According to Grigo (2022), to alter their way of healing, patients must seek ways communities are
657 familiar with. A focus on IKS illuminates how South Africans adapt to a new community and
658 understand their traditions and values in connection with their health (Berg, 2012; Mashaphu et al.,
659 2021). This shows how people learn about the IKS policy in case it prompts TM and how people use
660 it in their environment. Similarly, the most important model for actively learning about the challenges
661 people face in learning about IKS can arise if society fails to encourage people to know about
662 indigenous healing methods and seek traditional medical assistance (Riordan & Schofield, 2015). In
663 fact, in situations where there is a significant understanding of the national IKS policy in promoting
664 TM, some challenges can hinder understanding the prospects in this field.

665

666 Sreenath (2023) believes that these systems fall under different departments, and hence, cognizance
667 must be taken to ensure that issues that are crosscutting in nature are dealt with cohesively. For
668 example, genetic issues should be protected. All participating departments agreed that each should
669 initiate legislative amendments based on the IKS Policy. For instance, the Department of Trade and
670 Industry (DTI) initiated amendments to the Patents Act of 1978, now the Patents Amendment Act of
671 2005, and DEAT initiated amendments to the biodiversity legislation (Biodiversity Act, 2004). The
672 DTI is proud that the Patents Amendment Act of 2005 is being used at the WTO and, to a certain
673 extent, at WIPO as model legislation. Although patents have been considered and adapted to the IKS
674 Policy, the DTI had to find the appropriate use of remaining IP tools, namely trademarks, copyrights,
675 designs, and geographical indications, to protect and commercialize traditional knowledge. This IP
676 Policy framework, therefore, deals with the protection of IK using the orthodox intellectual property
677 system. This recognizes that, in many circumstances, the IP system is not the best vehicle for
678 protecting IK, especially if not adapted or used in conjunction with other mechanisms.

679

680 ***2.2.1 The Indigenous Knowledge Systems Policy (2004) and African Traditional Medicine in*** 681 ***South Africa***

682 Empirical studies have provided evidence supporting the notion that the Indigenous Knowledge
683 Systems (IKS) policy possesses the potential to enhance the status and efficacy of African traditional
684 medicine (ATM) (Shonhai, 2016; Iya, 2017). Correspondingly, Aniah (2015) and Habtom (2018)
685 assert that a significant proportion of the African population, specifically 80%, relies on ATM and its
686 associated IKS for primary healthcare.

687

688 During the era of Apartheid, indigenous knowledge systems, including African Traditional Medicine
689 and healing practices, faced systematic marginalization, reaching the extent where, in certain
690 instances, African TM and healing practices were outrightly prohibited (Abdullahi, 2011; Maluleka,
691 2020). For instance, the South African Medical Association outlawed the traditional medical system
692 in South Africa in 1953 (Ramaube, 2018). In addition, the Witchcraft Suppression Act of 1957 and
693 the Witchcraft Suppression Amendment Act of 1970 also declared TM unconstitutional, disallowing
694 practitioners from doing their business in South Africa (Mothibe & Sibanda, 2019). The ban on TM
695 was partially based on the belief that the conception of disease and illness in Africa was historically
696 embedded in “witchcraft”. In Western knowledge systems, witchcraft reinforced “backwardness”,
697 primitiveness, and “superstition” in Africa. Osenia and Shannon (2020) show that the marginalization
698 of African Traditional Medicine and healing systems continued in most African countries even after
699 independence. In different parts of Africa, local efforts were initiated to challenge the condemnation

700 and stigmatization of TM during and after colonialism. For instance, Ochwang'I & Oduma (2017)
701 report that the first protest against the marginalization of TM in Nigeria dates back to 1922, when a
702 group of traditional healers insisted that their medicine be legally recognized.

703

704 Like the IK, TM has been articulated in various perceptions that comprise ethno-medicine, folk
705 medicine, native healing, or complementary and alternative medicine (CAM). Mahomoodally (2013)
706 and Yuan et al. (2016) explain that TM is the oldest form of healthcare and wellness system that has
707 endured the test of time, especially in low-income communities with limited conventional or modern
708 public healthcare services. Ramaube (2018) asserts that TM is an indigenous knowledge system with
709 an ecologically and culture-bound healing system. Indeed, people have used TM across cultures and
710 ecosystems to deal with various health challenges, such as diseases threatening their existence and
711 survival (Zuma et al., 2016). TM is broad and diverse because various cultural societies have
712 developed countless forms of indigenous healing procedures. These methods mainly deal with
713 traditional medicine from India, China, and Africa, highlighting the absence of a consensus definition
714 of TM or other therapeutic practices (Abdullahi, 2011). In other words, IK still deals with traditional
715 medicine and healing in a wide sector and system.

716

717 Since 1978, the WHO has recognized traditional medicine and healing as integral to IKS. Similarly,
718 recently, the African Union (AU), in its Plan of Action on Traditional Medicine (2001 to 2010
719 extended to 2011 to 2020), has also encouraged the use of TM. In this context, the World Health
720 Organization defines Traditional Medicine as (WHO, 2013:15):

721

722 *“the total of the knowledge, skills, and practices based on the theories, beliefs, and*
723 *experiences indigenous to different cultures, whether explicable or not, used in the*
724 *maintenance of health as well as in the prevention, diagnosis, improvement or treatment of*
725 *physical and mental illness.”*

726

727 It is within this context that a traditional healer or traditional health practitioner (THP) is recognized
728 by the community where he lives as someone competent to provide health care by using plant, animal,
729 and mineral substances and other methods based on social, cultural and religious practices (WHO,
730 2000:11; Gallaher et al., 2020). Mothibe and Sibanda (2019) reveal that before the introduction of
731 Western medical practices in African societies, traditional medicine and healing were the only
732 medical and healing systems available to many Africans in their societies.

733

734 However, introducing Western healthcare systems deeply changed the history of this African tradition
735 and culture, including its current challenges. An attempt to regulate the practice of THPs was made
736 in 1982 through promulgating the Associated Health Service Professions Act of 1982 (Zuma et al.,
737 2016). This Act fixed a registration and licensing scheme for herbalists, chiropractors, homeopaths,
738 osteopaths, and naturopaths but prohibited using the title 'Medical Practitioner'. Despite all this, the
739 province of KwaZulu-Natal was the exception because it has a different law on the licensing and
740 control of THPs, which the KwaZulu Act covered on the Code of Zulu Law (CZL) of 1981 (Chali et
741 al., 2021). The CZL allowed licensed THPs to practice and claim a fee for services rendered (Van
742 Ellewee, 2020). Before the first democratic government in SA in 1994, the African National Congress
743 (ANC) submitted in its health plan that THPs would become an integral and recognized part of the
744 health care system in South Africa. It allowed patients to choose their preferred healthcare
745 practitioner. At the same time, the ANC realized the need to regulate the practice of THPs to protect
746 patients from harmful practices. The ANC health plan further stated the need to promote cooperation
747 and liaison between THPs and allopathic health practitioners (Gandugade, 2016).

748

749 According to Adu-Gyamfi and Anderson (2019), this process permitted most South Africans to
750 decide on their healing since they already knew the diversity of their traditional healthcare systems
751 well. Similarly, Thornton (2017) describes how South Africans address their traditional healers as
752 Sangoma or Nyanga among the Zulu people (Meyiwa & Maseti, 2016). In African indigenous
753 communities, traditional healers are well known for treating patients holistically. They usually try to
754 reconnect patients' social, spiritual, and emotional equilibrium based on the specific community's
755 socio-cultural, spiritual, and value systems (Marques et al., 2021). This procedure differs from
756 biomedical healthcare providers, who only focus on the biological aspects of the patient's health.

757

758 Conversely, Ozioma and Chinwe (2019) elucidate how the South African traditional healthcare
759 structure is a holistic healthcare system organized into divination, spiritualism, and herbalism.
760 Traditional medicine is popular in South Africa because most people prefer to use it through
761 medicinal plants and healing rather than Western medicine (Mothibe & Sibanda, 2019). Most South
762 Africans believe that traditional medicine and healing systems are universal, more efficient,
763 accessible, affordable, and culturally sensitive (Makundi et al., 2006). That implies that South African
764 traditional healthcare practitioners are the custodians of traditional indigenous values and customs,
765 educators of culture, counsellors, mediators, and spiritual protectors.

766

767 Furthermore, Mokgobi (2014) elaborates that resorting to a traditional holistic approach in healthcare
768 and wellness mirrors the sense of healers and traditional practitioners to fulfil different social and

769 political roles in their communities. These functions, in line with Maluleka (2020:45) and WHO
770 (2019), encompass divination, healing physical, emotional, and spiritual illnesses, directing birth or
771 death rituals, finding lost cattle, protecting warriors, counteracting witchcraft, and narrating the
772 history, cosmology, and concepts of their traditions. Notwithstanding, Zuma et al. (2016) state that
773 the spiritual aspects of ATM demonstrate the way the traditional healers often act, in part, as an
774 intermediary between the visible and invisible worlds. The dominion between the living and the dead
775 or ancestors sometimes helps to determine which spirits are at work and how to bring the sick person
776 back into harmony with the ancestors Isiko & Serugo (2021). In democratic South Africa, concerted
777 efforts have been made to recognize TM as an important aspect of the primary public health care
778 delivery system. For instance, through the Ministry of Health, the government encouraged and
779 authorized some universities to research local herbs' medicinal properties to standardize and regulate
780 TM (WHO, 2001). This has led to policies being set to accredit and register traditional healers and
781 regulate their practice. By approving the establishment of a body for traditional healers, their
782 representatives were elected at community and social levels to collaborate with the Ministry of Health
783 through its departments. South Africa's government's current health care reform considers TM an
784 important component of the health care delivery system, especially at the primary care level (Aniah,
785 2015).

786

787 The Government of South Africa also established the South African San Council, a structure to study,
788 collate, document, develop, preserve, and promote traditional medicine products and practices. This
789 structure also fast-tracks the integration of the TM into the mainstream of the modern healthcare
790 system, which is in line with developments in China and India (Abdullahi, 2011). Protection of IK
791 seems paramount because African traditional medicine is gaining attention and innovation interest
792 despite the advances in modern medicine. Andile (2020) confirms that most South Africans know
793 much about traditional medicine, so they often resort to it for at least some of their healthcare needs.
794 This knowledge implies that people know most medicinal plants that grow in their environment.
795 Therefore, WHO (2019) acknowledges that African plants constitute about 8% of the 1 100 medicinal
796 plants commercialized globally. However, most of these plants are exported as raw materials or semi-
797 processed. Commercialized medicinal plants usually do not benefit the local communities whose
798 indigenous information is utilized.

799

800 Accordingly, Mothibe and Sibanda (2019) bring up the case of the succulent plant Hoodia, which San
801 communities have used for ages to subdue hunger and quench thirst. In the 1990s, researchers from
802 the South African Council for Scientific and Industrial Research patented the active ingredients of
803 this magical plant that grows in some areas of Botswana, Namibia, and South Africa (Andile, 2020).

804 It was strange that the San community, which is the guardian of the plant, never knew of the patenting
805 process. In other words, the council as mentioned earlier, never valued this community's indigenous
806 knowledge and claim, which motivated the community to defy this move. The South African San
807 Council vigorously requested that they should benefit from the commercialization of Hoodia's
808 magical ingredients (ibid). Congruent with Zuma et al. (2016), only after a prolonged legal battle in
809 2002 did both sides agree to acknowledge San's support regarding traditional knowledge regarding
810 the Hoodia plant.

811

812 Although many communities still suffer the same as the San community, their traditional knowledge
813 should be valued. Recognizing the protection of traditional specific communities should produce
814 advantages for the locals. According to Osenia and Shannon (2020), preservation implies setting up
815 protective rules that safeguard local communities' paybacks in case of the commercialization of their
816 medicinal plants' information. South Africa has taken several measures to protect biodiversity,
817 including previously marginalized and exploited communities. The country has created laws and
818 institutions that promote the formal recognition of indigenous knowledge, such as the National
819 Environmental Management Biodiversity Act of 2004 and the Bioprospecting, Access, and Benefit
820 Sharing Regulations (Ramaube, 2018). The cooperation between this body and the communities who
821 sent information on traditional African medicinal plants builds up on the conviction that locals
822 deserve a reasonable economic return from these natural resources because of their natural
823 guardianship.

824

825 On the other hand, the cooperation in information sharing has caused distrust between South African
826 biomedicine and traditional African healthcare practitioners. Accordingly, Maluleka (2020) and
827 Aniah (2015) believe such disbelief utterly impedes the process of integration and collaboration
828 between the two healthcare systems for improved public healthcare for most South Africans
829 (Ogundaini et al.,2021). Besides, the National Drug Policy (NDP) for South Africa of 1996 is amongst
830 the first documents to recognize the potential role and benefits of traditional medicine for the national
831 health system in South Africa. The strategy aimed to investigate the use of effective and safe
832 traditional medicines at the primary level (Balogun, 2022). Therefore, it suggested the investigation
833 of TM for its efficacy, safety, and quality to include their use in the health care system. According to
834 Habtom (2018), marketed traditional medicine would be registered and controlled, and a National
835 Reference Centre for African Traditional Medicines (the NRCATM) would be established (Aniah,
836 2015; Knoess and Wiesner, 2019). The NRCATM was a virtual reference center that was recognized
837 in 2003 by the Medicines Control Council (MCC) of the National Department of Health (NDoH).
838 This recognition was the outcome of the collaboration between the Council for Science and Industrial

839 Research (CSIR) and the Medical Research Council (MRC) (Chali et al., 2021). The centre's main
840 objective was to collect, harness, and synthesize information to promote, regulate and register ATMs
841 derived from plants. Besides, it also functioned as a development spot for a national database of
842 indigenous plants screened for efficacy and toxicity. Finally, it also focused on checking the
843 usefulness and safeguarding of traditional medicines to shield the public from unproven claims within
844 the traditional medicines sector (Grigo, 2022)

845

846 On the point of usefulness and safeguarding, research (Abdullahi, 2011; Mwaka et al., 2018; Asare
847 et al., 2021) in different African countries indicates the unwillingness of Western-trained African
848 physicians and other healthcare providers to allow TM and their practitioners to be included in the
849 official medical care systems in their respective countries. Abdullahi (2011) admits that in some
850 African countries, medical students had reservations about integrating TM into the mainstream
851 healthcare provision. This condition depicts how medical schools are not motivated to teach TM-
852 related issues as they are in some countries, such as China and India.

853

854 Similarly, Grigo (2022) notes that the uncertainties of leaders regarding the inclusion of TM in the
855 official medical care systems mirror that IK is not given consideration. Consequently, TM is still in
856 use in post-independence Africa after hundreds of years without many reported adverse effects.
857 Uchenna (2018) shows that in Ghana, Mali, Zambia, and Nigeria, the first line of treatment for 60%
858 of children with high fever resulting from malaria is the use of herbal medicine (WHO, 2002). In the
859 same context, Onongha (2022) highlights how increasing demand for TM in the case of rheumatic
860 and neurological complaints in Burkina-Faso has been noted visibly. About 70% of Ghana's
861 population depends primarily on TM (Krah et al., 2018). About 27 million (black) South Africans
862 own IK, such as TM, to treat myriads of sicknesses (Abdullahi, 2011).

863

864 Moreover, research by Makundi et al. (2006) confirms that traditional health care has contributed
865 significantly to treating "*degedege*" (convulsions) in rural Tanzania. Sometimes, patients use TM
866 simultaneously with biomedicine to alleviate sufferings associated with disease and illness. On the
867 other hand, Knoess and Wiesner (2019) admit that not only do African countries use their IK to
868 promote public health care and the demand for TM use, but the practice is also on the increase in
869 Europe, Asia, and America as well.

870

871 Due to these changes, WHO (2019) has acknowledged the value of traditional healers in healthcare
872 delivery, particularly in developing nations. WHO (2018) states that Traditional Healthcare
873 Practitioners (THPs) have helped with various healthcare needs, including managing and treating

874 non-communicable diseases and mental and geriatric health issues. Also, mounting evidence shows
875 that TM successfully treats chronic conditions (Geiselhart, 2018; Kim et al.,2018). For instance,
876 Wetzel et al. (2003) mention that teaching TM remains part of the curriculum of American medical
877 colleges.

878

879 The effects of using IK on TM remain very crucial if well assessed. Accordingly, Chali et al. (2021)
880 provide the reasons that contributed to the extensive use of TM and the concern for assessing and
881 evaluating the effectiveness of traditional medicines worldwide. Growing research (Baratti-Mayer,
882 2019; Zuma et al., 2016) across cultures and regions indicates that many traditional medicines are
883 vital and effective therapeutic regimens in managing various health challenges, some of which may
884 not be effectively managed using biomedicines. That is why Mander et al. (2007) and Abdullahi
885 (2011) state that among the South African black population, TM is desirable and necessary for treating
886 a range of health problems that Western medicine does not treat adequately. Similarly, Abd El-Ghani
887 (2016) explains how Nigerian medicinal plants are effective in the treatment of various diseases,
888 which has been documented, including those used for the treatment of opportunistic infections
889 associated with HIV/AIDS. Medicinal values of insects have also been documented in different
890 African countries, including South Africa (Ndhlala et al., 2009; Tamesse et al., 2016). For instance,
891 Ndhlala et al. (2009) and Frimpong & Nlooto (2020) found the Zulu people use the concoction of
892 some insects with herbs and other ingredients for spiritual protection, preparation of love medicine,
893 management of eye and ear problems, as well as prevention and control of convulsion in children. In
894 the same vein, arthropods are equally used to cure thunderbolts, child delivery, bedwetting, yellow
895 fever, and a host of many other ailments that cannot be treated using Western medicines and therapy
896 (Zuma et al., 2016; Olutope, 2020).

897

898 On the other hand, Abdullahi (2011) explains that inadequate accessibility to modern medicines to
899 treat and manage diseases in low-income countries, especially in Africa, has contributed to the
900 widespread use of TM, especially in low-income households. The WHO (2015) showed that in 36
901 low and middle-income countries, modern medicines were reportedly beyond the reach of large
902 sections of the population. This implies that the widespread use of TM in African countries could be
903 attributed to its accessibility. Baratti-Mayer (2019) illustrates that the ratio of traditional healers to
904 the African population is 1:500 compared to 1:40,000 medical doctors.

905

906 *2.2.2 Post-Apartheid Legal Frameworks Regulating Traditional Healthcare Practitioners*

907 The basis of African Traditional Medicine (ATM) and therapeutic techniques is the relationship
908 between nature, culture, and spirituality as they relate to an individual's health in society (Grigo,
909 2022). Traditional healthcare providers (THP) deal with health and illness issues using a
910 comprehensive approach in light of this viewpoint. Adu-Gyamfi and Anderson (2019) elaborate that
911 this method conveys the interdependence between the herbalist and the diviner in conventional
912 medicine and healing. Accordingly, Zuma et al. (2016) explain how the Sangoma, in other words, a
913 diviner, works within the indigenous spiritual environment, as opposed to the Inyanga, who uses
914 traditional herbal medicines to heal, in Zulu traditional medicine and healing.

915

916 Furthermore, the National Health Act (NHA) 61 of 2003 was meant to provide a framework for a
917 structured, uniform health system within South Africa, considering the obligations imposed by the
918 Constitution and other laws on the national, provincial, and local governments about health services.
919 Mothibe and Sibanda (2019) show that the Traditional Health Practitioners Act (THPA) (2007) was
920 designed to regulate the registration, training, and practices of traditional health practitioners and
921 serve and protect the interests of members of the public who utilize their services. Meanwhile, the
922 Interim Traditional Health Practitioners Council of South Africa was intended to administer the Act
923 effectively, which falls under the ultimate authority of the Minister of Health (Van Ellewee, 2020).

924

925 Although THPAs have contributed to establishing the Interim Council and in the evolution of the
926 HSSA, their integration into the NHS still has to happen. Congruent with Van Ellewee (2020), the
927 purpose of the Council as provided for in terms of Section 5 of the Act is to:

- 928 • promote public health awareness;
- 929 • ensure the quality of health services within traditional health practices;
- 930 • protect and serve the interests of members of the public who use or are affected by the services
931 of traditional health practitioners;
- 932 • promote and maintain appropriate ethical and professional standards required from traditional
933 health practitioners;
- 934 • promote and develop an interest in traditional health practice by encouraging research,
935 education, and training;
- 936 • promote contact between the various fields of training within traditional health practice in the
937 Republic and set standards for such training;
- 938 • compile and maintain a professional code of conduct for traditional health practice and

- 939 • ensure that traditional health practice complies with universally accepted healthcare norms
940 and values.

941

942 Overall, the primary role of the Interim Traditional Health Practitioners Council was to assist the
943 Department of Health and the country at large in achieving this goal. In the context of the registration
944 of ATHPs and according to the Council, no one may practice as a traditional health practitioner unless
945 registered in that category with the Council.

946

947 It is an offence to contravene this directive because any person whose registration has been cancelled
948 must return their registration certificate to the Registrar (within 30 days of being directed to do so).
949 If the concerned person fails to comply with this provision, they have committed a criminal offence.
950 Furthermore, in the case of disciplinary hearings, Nzimande et al. (2021) argue that the council can
951 appoint a disciplinary tribunal to hear and determine charges of improper conduct against any
952 registered person. The tribunal has a wide variety of powers relative to such a hearing. This is because
953 it is an offence for a witness who has been subpoenaed to fail to attend the hearing at the time and
954 place specified in the subpoena. It also applies in case of refusal to be sworn in (or affirmed) as a
955 witness, to fail to answer, fully and satisfactorily, all questions lawfully put to him.

956

957 In addition, Krah et al. (2018) also indicate that the same procedure continues in case of misconduct
958 and that the concerned person failed to produce any book, document, or object in his possession,
959 custody, or control that he has been required to produce. He also points out that a witness who has
960 been subpoenaed must remain in attendance until excused by the chairperson of the disciplinary
961 tribunal and commits an offence by not doing so. Furthermore, Sifuna (2022) concludes that a witness
962 may not knowingly give a false statement on any matter and commit an offence if he does. The same
963 researcher admits that preventing another person from complying with a subpoena is a crime. For the
964 same reason, it is also lawbreaking when preventing a person from giving evidence or producing a
965 book, document, or object that he is required to produce.

966

967 Looking at the Council constitution, Van Ellewee (2020) confirms that it was made up of 20 people,
968 including practitioners from each of South Africa's nine provinces, a legal expert, a member of the
969 Health Professions Council of South Africa (a medical practitioner), a member of the SA Pharmacy
970 Council (a pharmacist), community representatives, diviners, herbalists, traditional birth attendants,
971 and surgeons. It also included academics, researchers, and the National Department of Health
972 (NDoH). This new regulatory framework was given specific responsibilities for aiding the country in
973 safeguarding and enhancing IKS in the medical field, addressing public concerns regarding dubious

974 and fraudulent practitioners and practices masquerading as TM, and strengthening the nation's
975 capacity to realize the vision of a long and healthy life for every South African. Finally, there was the
976 legal framework of the Interim Traditional Health Practitioners Council (ITHPC), which was
977 inaugurated in February 2013 (Nzimande et al., 2021). The Traditional Health Practitioners Act
978 effectively conferred its full authority in May 2014 (idem). The ATHPs were registered with the
979 Council, which the Parliament established as a professional body with the power to issue medical
980 certifications according to the terms of the Basic Conditions of Work Act (van Niekerk, 2019). But it
981 did not appear that the Council was yet in a position to carry out its task. Furthermore, the field
982 appeared impossible to regulate because the practitioners could not be submitted to objective
983 assessment procedures. While registered ATHPs had the authority to issue medical certificates
984 (Nzimande et al., 2021), it was questionable whether those certificates should be given full credibility
985 until the intended code of conduct was in place and specific requirements for registration had been
986 developed and made implementable.

987

988 On the other hand, ATHPs regulatory frameworks have limitations. In the same line, Nzimande et al.
989 (2021a) indicate that The Alma Ata Declaration (1978) that the International Conference on primary
990 healthcare made was a significant positive shift for the traditional healthcare system. This is true
991 because, for the first time, it acknowledged the role of TM and its practitioners in primary
992 healthcare. This significantly contributed to the growing international popularity of customary
993 medicine, creating benefits and opportunities for TM users and TM as an IKS. Thus, Emeje et al.
994 (2023 (2023) reveal that this recognition enabled biomedical health practitioners (BHPs) to reach out
995 for assistance from traditional health practitioners (THPs), especially in rural areas where diseases
996 have increased mortality and morbidity rates. Nzimande et al. (2021) show that millions of people
997 across the globe currently continue to utilize THPs within primary healthcare, tapping the
998 resourcefulness of THP services, which previously were underutilized in the primary public
999 healthcare systems.

1000

1001 In the same context, Krah et al. (2018) disclose that about 8 in 10 South Africans rely on local
1002 traditional medicine for their primary healthcare needs. According to Nzimande et al. (2021), the
1003 legislation of the promulgation of the THPs Act (22 of 2007) occurred after several milestones
1004 towards the statutory recognition of THPs. However, it was only in 2013 that the WHO allowed
1005 countries and South Africa to legalize traditional medicines and recognize their practitioners.
1006 Nonetheless, Sifuna (2022) reveals that this call faces several impediments, calling for scientific
1007 authentication of THP products and practices. Indeed, many concerns and uncertainties have risen
1008 around the practices and issues of witchcraft because the latter is part of TM. Dlamini (2018) argues

1009 that undermining and coopting THPs, in some cases, have been crushed across the world because of
1010 the power of Western colonization. Equally, there are difficulties in advancing uniform regulations
1011 under practices within different world cultures. This, in line with Qiu et al. (2018) and Zondi (2021),
1012 has generated opinions that people who announce national health regulations sometimes lack
1013 expertise or research data, which leads to limitations in IKS policy improvement and application.

1014
1015 Besides agreeing to the ITHPC, for instance, Nzimande et al. (2021), in the context of the THPs
1016 registration in South Africa, point out that THPs supported that registration with the national THP
1017 Council was meaningless to them because they already registered with their ancestors. This depicts
1018 how traditional healers and practitioners did not appreciate registering with the THP Council because
1019 they argued that even their grandparents, who were also THPs, never registered in that manner
1020 (Maluleka, 2020; Ramaube, 2018). Again, Chali et al. (2021) also pointed out that many others
1021 wanted to understand if registering with the THP council would allow their IK to produce financial
1022 benefits, as with Western medical doctors. Such a question infers that some THPs wanted to know
1023 whether they would stop practicing and go to school to attain Western medical knowledge before they
1024 could register. This shows that many others believed registering with their THP associations would
1025 be another reward because the THP council had nothing to offer them (Andile, 2020).

1026
1027 Another group thought that registration with the Council was associated with the apartheid system,
1028 where payment was associated with being black (Mothibe & Sibanda, 2019). These failed to
1029 understand why they pay for their IK, yet their culture links them with their ancestral calling and a
1030 traditional healing gift from their ancestors (Zuma et al., 2016). Others admitted that their government
1031 used registration to collect more tax from traditional healers and practitioners instead of supporting
1032 them through their THPs. They argued this because, according to Knoess and Wiesner (2019), they
1033 believed the amount they would pay was too much for them, especially since their ‘income’ was not
1034 regular. They were also concerned that even THP trainees would be expected to pay for registration.

1035
1036 Notwithstanding, many others approved the probable benefits of registration in case related fees were
1037 directly handled and controlled by the national government instead of paying towards the THP
1038 council as a governing body (Grigo, 2022). All this was the people’s expression of faith and
1039 reliability. Finally, others considered registration with the Council to legitimize their practices. Osenia
1040 and Shannon (2020) comment that registering would facilitate their integration with the biomedical
1041 healthcare system as it would bring them legality in the government’s eyes, which could give them
1042 advantages in the healthcare system. In other words, registering with the Council would separate them
1043 from charlatans and protect their IK and healing system from those claiming to be THPs. According

1044 to Last (2016), although THPs exposed their popularity among the local communities they served,
1045 they still recognized that without the government recognizing them officially, they would not
1046 efficiently work like biomedical healthcare practitioners.

1047

1048 That being said, the section below elaborates on TM in the national record structure.

1049

1050 **2.3 African Traditional Medicine in the National Recordal System**

1051 The National Recordal System (NRS) is a South African structure through which indigenous
1052 knowledge is recorded and stored for the benefit of the local communities. The structure was created
1053 as more intellectuals arose in the country and pushed to preserve IKS safely (Shonhai, 2016; Malindi,
1054 2021). To protect IKS, the South African Cabinet implemented an IKS policy in 2004 (Munck, 2016).
1055 The program established a system of recording communities and individual IKS so holders can keep
1056 their information for future societal benefits and growth. However, there are numerous issues
1057 regarding recording indigenous knowledge and its transference to other localities. In response to this
1058 challenge, the National Indigenous Knowledge Systems Office (NIKSO) created the National
1059 Recordal System (NRS) in 2013 (Shonhai, 2016). The NRS collaborates with communities
1060 nationwide to safeguard IK aboriginal information relating to ATM, indigenous foods, farming
1061 practices, and crafts (Balogun, 2023).

1062

1063 Furthermore, Balogun and Kalusopa (2021) and Mdhluli et al. (2021) define NRS as a large
1064 fingerprint initiative of the Department of Science and Technology created to document and stock
1065 South African communities' indigenous information. According to Habtom (2018), the NRS
1066 documents unrecorded IK in various multi-media formats by promoting positive and defensive
1067 protection of communities' IK, including grassroots experiences in local languages. NRS constitutes
1068 an IKS network for creating a legal background that connects research and developmental strategy at
1069 different layers of government. The National Indigenous Knowledge Management System
1070 (NIKMAS) endorses this plan. The NIKMAS comprises a semantic digital repository with custom-
1071 developed metadata schemes and a sophisticated security model to protect and preserve the IK
1072 (Balogun and Kalusopa, 2021; Balogun, 2023a). In other words, it is an advanced semantic search
1073 engine because it encompasses a directory system and an overarching integration architecture that
1074 combines its subsystems into a coherent arrangement (Kaya, 2014).

1075

1076 The vision of the NRS is to lead the IKS treasure hub through the recording, storing, management,
1077 maintenance, dissemination, and protection of IK (Mazel, 2018) for communal socio-economic

1078 development in South Africa. Alberts et al. (2011) explain how the NRS follows a holistic approach
1079 to capturing IKS by considering and supporting the complete IKS ecosystem. Similarly, the structure
1080 addresses the socioeconomic challenges in South African communities and facilitates their
1081 acquisition of shares. Being an initiative that supports legislation and the benefit-sharing framework,
1082 Flint (2015) confirms that the NRS also follows a living lab approach to the project. Therefore,
1083 according to Kaya and Seleti (2013), the NRS pursues the objectives of mobilizing, aligning, and
1084 empowering communities and related stakeholders. Besides, the initiative builds and supports
1085 appropriate networks and achieves national IP objectives for protecting IK. It also initiates, enables,
1086 and maintains a secure, accessible national repository for IK management, dissemination, and
1087 promotion. Finally, it facilitates the discovery, cataloguing, capturing, authentication, and usage of
1088 the national IKS legacy in a suitable context.

1089

1090 Amechi (2015) indicates that the NRS was created as an interdepartmental instrument to facilitate
1091 research and development and prior art for intellectual property administration. It also enables the
1092 management and examination of bioprospecting information on genetic resources associated with
1093 indigenous knowledge and communities. To Grigo (2022), NRS offers IKS associated with biological
1094 resources, and any documented information is linked to a person, a community, a geographical area,
1095 or biological resources. Melo and Martins (2017) conclude that multimedia supports biological
1096 resources by geocoding them to a particular region.

1097

1098 Notwithstanding the context of the Companies and Intellectual Property Commission (CIPC) under
1099 the Department of Trade and Industry, CIPC can utilize the NRS for prior art searches (Alberts et al.,
1100 2011). Those companies do so because, according to Mazel (2018), the NRS is part of CIPC through
1101 research and examination service, which certainly makes the NRS a critical element in preventing the
1102 granting of patents in error and biopiracy. To Belanger (2011), this infers that the NRS adheres to a
1103 strict set of rules for granting access to the system. Documenting information on the NRS entails that
1104 it goes with a prior informed consent agreement, information transfer agreements, and a
1105 Memorandum of Agreement. The latter is an official document that the community participating in
1106 the project, and the Documentation Centre, which facilitates the recording of IK with the
1107 communities, must conjointly sign. Several researchers have confirmed that the NRS also serves as
1108 an indigenous knowledge hub for several government departments, including the Departments of
1109 Environmental Affairs, Trade and Industry, Health, Agriculture, Forestry and Fisheries, and Rural
1110 Development and Land Reform (Banjo et al., 2003; Berger, 2007; Hassim et al., 2007; Yon, 2000).
1111 In other words, Flint (2015) points out that, for the Department of Environmental Affairs, the NRS
1112 will provide a legal benefit-sharing framework and ensure that minimum standards in Information

1113 and Material Transfer Agreements regarding IK research are available. Besides, Kaya and Seleti
1114 (2013) also confirm that NRS can promote the documentation and location of knowledge holders in
1115 the bioprospecting permit granting process. Therefore, the legal framework NRS provides makes it
1116 an appropriate source for the data they have collected regarding the IK of a specific community.

1117

1118 The development of the NRS was a wonderful process that encompassed some important stages.
1119 Similarly, Alberts et al. (2011) indicate that the NRS was developed in phases, with the first one
1120 focusing on African Traditional Medicine (ATM) and Indigenous Foods (IF) for implementation. The
1121 motivation for focusing on these two indigenous knowledge domains was that they are most at risk
1122 regarding Intellectual Property exploitation and bio-piracy. Alleviating this risk required careful
1123 system design, particularly regarding security and data organization. In other words, serious attention
1124 was paid to the National IKS Management System (NIKMAS) design. The serious design applied
1125 because the NIKMAS must support, on a national scale, the recordal management and protection of
1126 the IK with potential benefits, especially in the absence of relevant legislation, as is the case of Sui
1127 Generis on IKS (Belanger, 2011). The prominence of safeguarding trustworthy and secret information
1128 against unauthorized exploitation was also a significant design consideration. In doing the latter,
1129 Munsaka and Dube (2018) believe the Intellectual Property (IP) Laws Amendment Bill No. 8 of 2010
1130 remains one of the legislations to consider when designing the system because of the holistic nature
1131 of IK. Iya (2017) underscores that the NRS acknowledges the limitations of Intellectual Property
1132 regimes and considers the current copyrights, trademarks, biodiversity, and related legislation. That
1133 being said, the NRS, therefore, supplemented the Bill.

1134

1135 For instance, Amechi (2015) specifies that the Bill focuses on the IK that resides in the public domain.
1136 In contrast, the NRS focuses on unrecorded or uncaptured IK, replicating that IK is not in the public
1137 domain. The NRS has been designed to incorporate and link to similar databases to optimize its use
1138 and functionality. NIKMAS, the ICT backbone of the NRS, can provide a distinct access point to IK
1139 captured at distributed points. It comprises links to other resources and databases containing relevant
1140 IK information managed in different establishments or government departments.

1141

1142 Furthermore, Balogun (2023) confirms that the NRS has been designed to give access to International
1143 Patent Offices (IPOs) to conduct searches on IK documented in the system to avert misappropriation
1144 of South Africa's IK. This originated from the requirements for letting patent offices search the
1145 NIKMAS and established provisions for patent offices to search the NIKMAS (Bagley, 2019). For
1146 searches and examinations, Khumalo and Baloyi, 2017 and Mazel, 2018) described that approved
1147 scientists, researchers, and Intellectual Property Offices are permitted restricted authenticated access

1148 to confidential IK information as determined by adherence to the legal framework requirements. On
1149 the other hand, Kaunda and Kumalo (2015) reveal that the NRS should be open to the public through
1150 open, restricted, and confidential access. These researchers define open access as community
1151 promotional information and recorded knowledge already in the public domain, while restricted
1152 access infers authorized admission to constrained details in connection with the IK that is classified
1153 as confidential. They equally depict confidential access as an approved contact with complete details
1154 regarding definite IK access.

1155

1156 In fact, in the mind of Amechi (2015), these three levels of access show how the NRS initiative IP
1157 objective is to prevent placing undisclosed IK into the public domain. In other words, certain norms
1158 severely guide access to IK information. Congruent with Belanger (2011) and Majekolagbe (2023),
1159 a public member can openly reach any information in the public domain for education, tourism, or
1160 awareness. This mirrors how IK regarding traditional medicine remains accessible, but any
1161 confidential information remains impenetrable. Still, Mdhuli et al. (2021) agree that the strategy is
1162 helpful because it helps preserve communities' important data about their IK that they can still consult
1163 whenever they wish since it is their knowledge. The other norm regards what Anderson (2015) and
1164 Murove (2018) describe as the adherence to the legal framework requirements for limited
1165 authenticated access to confidential IK information as determined. Such IK information remains
1166 unlimited to anyone, provided they are searchers, examiners, approved scientists, researchers, and
1167 Intellectual Property Offices. Lastly, Demir (2021) expounds on the third rule, confirming how the
1168 NRS initiative prevents undisclosed IK from being placed into the public domain. The researcher
1169 describes that the people who can still access such data are those dealing with development purposes,
1170 mostly, authenticated and approved scientists and researchers. Therefore, Amechi (2015) confirms
1171 this category of people can access the NRS confidential IK data on the condition that they agree to
1172 sign all relevant legal agreements, including a benefit-sharing agreement.

1173

1174 The section below discusses the National Recordal System IK Holder Catalogue Process.

1175 **2.4 National Recordal System and African Traditional Medicine**

1176 In South Africa, NRS embeds the IKS network infrastructure to create a legal framework linking
1177 research and developmental strategies at different layers of government. Hence, Bagley (2018) agrees
1178 that NRS about IK constitutes an important directory because it is the largest South African initiative
1179 that records, documents, preserves, and protects IK for the benefit of the communities in the country.
1180 The NRS remains a guiding instrument whose role regarding IK and TM remains essential because
1181 it records unrecorded IK data in various multi-media formats, links recorded IK, and promotes

1182 community IK. The most significant advantage of this almanac is that it plays an encyclopedic role
1183 in collecting interesting IK on TM experiences of South African grassroots communities in local
1184 languages (Bam-Hutchison et al., 2022). Therefore, the NRS has become the leading IKS treasure
1185 hub in SA because it primarily records, stores, manages, maintains, disseminates, and protects the
1186 South African IK for the collective socio-economic development of the country in general and related
1187 communities in particular. To Traynor (2017), all this highlights how the South African NRS
1188 constitutes an IKS cyberinfrastructure to create a legal framework that links the strategies used in
1189 research and development, all being endorsed by SA's national and local governments.

1190

1191 In a word, scrutiny of the above opinions admits that the South African catalogue process is meant to
1192 develop an IK registry that captures IK holders' information, knowledge claims, and location
1193 (Balogun, 2023). By way of explanation, a directory's main role is to identify the holders and
1194 practitioners of knowledge in various indigenous knowledge fields. After that step, it then facilitates
1195 the recording and documentation of IK, which preserves and protects its information against
1196 unauthorized individuals. According to Jain (2014), this strategy can undoubtedly discourage various
1197 commercial exploitation, distortion, and fraudulent acts. The first version of the catalogue process
1198 was developed for the Indigenous Knowledge Systems Documentation Centre (IKSDC) located at
1199 the University of Zululand (Balogun & Kalusopa, 2021), and it was tried in one of three communities
1200 related to this IKSDC (Balogun, 2023a). This makes the IKSDC the local hub for NRS-related
1201 activities. An IKSDC coordinator and curator are responsible for coordinating and managing IK
1202 activities within the local communities and ensuring the relevance and quality of IK data captured,
1203 respectively.

1204

1205 Furthermore, Murove (2018) ascertains that for a local community to partake in the NRS ingenuity,
1206 the traditional or tribal authority must establish a legal entity representing the community. The
1207 ownership of the catalogue process is then transferred to the representative body. It is also possible
1208 for a representative body to represent more than one community.

1209

1210 On the other hand, the NRS cataloguing system has a process it follows for the safety of all the
1211 information it enters for documentation. The directory procedure encourages community ownership
1212 of the IK activities whilst keeping an active audit trail to protect the communities and IK holders
1213 against bio-piracy (Belanger, 2011). Equally, Murove (2018) alludes that the IK audit track
1214 guarantees that IK holders and communities gain some benefit from some potential socio- and
1215 economic paybacks that may flow from their particular IK. In this vein, Eswarappa et al. (2013)
1216 confirm that when starting a new illustrative frame in a community, there must be signed a Non-

1217 Disclosure Agreement (NDA) between the IKSDC and the entity. For that reason, Demir (2021)
1218 depicts how it is very important to warrant the confidentiality of all the information collected through
1219 the catalogue process. For these researchers, the process must identify an IK Coordinator, and the
1220 representative body's very first accountability is to appoint an IK community coordinator (IKC).
1221 Khalala et al. (2016) point out that this person is responsible for coordinating all activities of the IK
1222 catalogue process within the community. The second point identifies IK recorders (IKRs), which
1223 empowers the representative body to appoint those recorders. In line with Kaya and Saleti (2013), the
1224 size of the community, the number of recognized IK holders in the public, and the funding accessible
1225 can all regulate the number of IKRs.

1226

1227 The other step is to train the IKC and IKRs on the catalogue process and its legal aspects. Their
1228 documents, as well as the catalogue questionnaire and IT system (NIKMAS), must be signed
1229 (Pretorius and Bezuidenhout, 2011). The community associated with IKSDC and NIKSO is
1230 concerned with the training procedure. After this level comes the step of IK holders' identification.
1231 Typically, the communal representative body is responsible for identifying all IK holders in the
1232 community that require classification. Shonhai (2016) agrees that there must be approval regarding
1233 the community representative body to identify the IK holders and place the ownership and authority
1234 of the process back into the community's hands.

1235

1236 Nonetheless, some IK holders may fail to get categorized despite having treasured IK evidence.
1237 Murove (2018) and Sundararajan (2023) also discussed managing IK cataloging. These researchers
1238 opine that the IKC manages the IKRs during the registration process. IKRs are selected to visit
1239 explicit IK holders to assemble the catalogue information. To the World Health Organization, the
1240 IKC is responsible for the number, quantity, and quality of the questionnaires completed by the IKRs
1241 within an agreed time frame (WHO, 2019). An endorsement letter and the catalogue process
1242 document are the two main documents signed for use during the catalogue process. Sayed et al. (2017)
1243 describe the endorsement letter as originating from the DST/NIKSO, which approves the project's
1244 aim. Besides, the catalogue process is a Prior Informed Consent (PIC) form explaining the project
1245 and the IK holder's role and participation rights (Igboin, 2016).

1246

1247 The step of verifying catalogue content is also important in the sense that all questionnaires completed
1248 must be presented to the community representative body to verify its content. Accordingly, Salaba
1249 and Chan (2023) opine that the representative body can decide which information represents the IK
1250 data of the concerned community and which one to capture in the NIKMAS index classification.
1251 After this phase, the catalogue data is transferred to the NIKMAS System. The respective IKRs enter

1252 all the community-verified questionnaire information into a laptop assigned to a community that hosts
1253 a local copy of the NIKMAS catalogue software (Ringuette et al., 2022). In this process, the
1254 community's representative body signs an Information Transfer Agreement (ITA) acknowledging the
1255 transfer of the information to the IKSDC as per the previous NDA (Kaya & Seleti, 2013). The last
1256 stage is the uploading of catalogue content to the central system. Khumalo and Baloyi (2017) explain
1257 that it is at the IKSDC where the IK captured on the community's NIKMAS laptop is transferred to
1258 the IKSDC's NIKMAS distributed server. Here, it will periodically upload new catalogue information
1259 to the NIKMAS central server hosted at the NIKSO offices (Pretorius and Bezuidenhout, 2011).
1260 Therefore, the information is stored centrally to ensure secure access, preservation, and responsible
1261 management, as the legal documents signed with the community and the IK holder stipulate.

1262

1263 The following section will discuss how prior learning can be recognized and how IKS practitioners
1264 can be accredited.

1265 **2.5 Recognition of Prior Learning (RPL) and Accreditation of IKS Practitioners**

1266 Recognition of Prior Learning (RPL) and IKS Practitioners are important to encourage in this
1267 research. RPL is a process through which non-formal and informal learning is measured and mediated
1268 for recognition across different contexts (de Paor, 2023). Similarly, RPL measurement and mediation
1269 are certified against credit, access, inclusion, or advancement requirements in the formal education
1270 and training system or workplace (Cooper et al., 2018). In other words, it is about the skills and
1271 knowledge an individual has collected through work and life experiences and then transferring them
1272 to current training course requirements. Accordingly, Colonialism and apartheid systems in South
1273 Africa marginalized African IKS and practices as primitive and unscientific. This is even though these
1274 local community-based knowledge systems and practices contribute to and ensure the sustainable
1275 community livelihoods of their respective communities in their specific cultural and ecological
1276 settings in terms of food security, health, natural resource management, natural disaster management,
1277 governance, and conflict resolution (Shonhai, 2016). In the RPL of IK holders and practitioners, IK
1278 refers to the knowledge that grows within a social group or community, incorporating learning from
1279 one's own experience over generations but also gained from other sources and fully internalized
1280 within local ways of thinking and doing. This knowledge needs to be made visible and interfaced
1281 with the other knowledge systems to meet the changes of globalization and contribute to the global
1282 pool of knowledge. Therefore, IKS can be mainstreamed in the global knowledge economy and
1283 society through the RPL of the IK holders and practitioners.

1284

1285 Based on the above context, South Africa has changed its mind and started laying the groundwork
1286 for the accreditation of IKS practitioners by recognizing prior learning. To Demir (2021), the creation
1287 of the steering committee to recognize prior learning RPL of IKPs was long delayed. This
1288 committee's main objective is to accredit organizations for RPL in ATMs. Its primary goal is to
1289 make implementing a Discipline of Competence (DoC) for the THP domain easier. It must
1290 function as a pilot program to create and evaluate competence norms and standards in a practical
1291 environment. Balogun and Kalusopa (2021) claim that the IKS Policy, which the Cabinet enacted
1292 in 2004, established an enabling environment to encourage and deepen IK's contribution to the
1293 social and economic development of South African communities and the nation. Establishing
1294 procedures to acknowledge some branches of IK as professional disciplines with separate
1295 institutions, governance frameworks, and quality assurance methods is crucial in establishing a
1296 legitimate branch of that knowledge (Demir, 2021). Similarly, TPs should be involved in nation-
1297 building initiatives, which the committee, as mentioned above, must support by recognizing and
1298 incorporating IK into the national environment (Munsaka and Dube, 2018). This suggests that
1299 TPs may be able to offer some remedies to some of society's health-related problems.

1300

1301 The pilot program's outcomes should offer TPs a sense of identity and end the profession's
1302 derision. Therefore, the government ought to promote the introduction of IKS legislative tools
1303 to avoid making fun of the profession of TPs. Murove (2018) indicates that the process sounds
1304 crucial since IK is a national asset, making it in the national interest to safeguard and advance
1305 IK law, policy, and public and private sector initiatives. Mashiyane (2023) confirms that the
1306 legislation can address the ongoing marginalization and misappropriation of knowledge. This
1307 culminated in 2019 when President Ramaphosa signed the IK Act No. 6 of 2019 to support the
1308 IK policy (Demir, 2021).

1309

1310 **2.6 IKS and South African Academic Institutions**

1311 Higher education institutions stand for the peaks of power in the creation, accrediting, legitimizing,
1312 and diffusion of knowledge. Millions of young adults strive to reach these heights yearly and earn the
1313 requisite certifications (Munsaka and Dube, 2018). In other words, the cognitive and operational
1314 capacities of IKS might greatly vary depending on what these institutions choose to include, exclude,
1315 or disparage. According to Demir (2021), from this angle, any specific work on curricula and research
1316 on traditional medicine must come before the reconstruction of IKS, the critical examination of
1317 existing paradigms and the epistemological foundations of existing academic practice, and the
1318 identification of the limitations they impose on creativity. Indeed, this indicates a challenge at the

1319 epistemological foundation level because of the orientations that feed South African traditional
1320 medicine in particular and medicine in general through IKS (Balogun & Kalusopa, 2021). If students
1321 want to develop a viable and inclusive solution for a path forward, particularly about IKS, Mothibe
1322 and Sibanda (2019), contend that they must learn about the more sophisticated subjugation
1323 technologies that have been used to keep their IKS in their communities down so effectively, for so
1324 long.

1325

1326 Furthermore, the sustainability and inclusion of IKS imply recognition and accreditation of its
1327 practitioners. This requires mainstreaming indigenous knowledge systems to work within the
1328 Department of Science and Innovation (DSI). Ensuring the legal protection of IK within DSI
1329 portrays a deliberate way to mainstream IKS work as an integral part of that department (Balogun
1330 & Kalusopa, 2022). The whole process specifically prioritizes the work on IK in more extended
1331 plans as one of the missions that include it as part of key performance indicators. This should
1332 bring relief to all practitioners because it contributes greatly to that department that values IKS.
1333 Treasuring the contribution that IKS and practitioners bring to the entire science and innovation
1334 value chain can particularly develop into an instrument to benefit practitioners and communities
1335 directly (Munsaka and Dube, 2018).

1336

1337 Such is an attempt to boost Indigenous Knowledge-Based Bio-Innovation in South Africa. South
1338 African IK-Based Bio-Innovation Programme has six platforms on African natural medicines
1339 and nutraceuticals, such as food and nutrition (Okole, 2021). Besides, IK Bio-Innovation extends
1340 its focus to cosmeceuticals, encompassing health, beauty products, and health infusions like
1341 beverages (Munsaka & Dube, 2018). Finally, Kruger (2020) concludes that innovation can
1342 transfer technology, including incubation and commercialisation, which can boost enterprise
1343 development. It is in this context that the South African IK-based bio-innovation program
1344 established at the Technology Innovation Agency (TIA) (Okole, 2021) and Industrial
1345 Development Corporation (IDC) had been created as a commercialization platform to ensure that
1346 the users of IK follow the regulations (Demir, 2021).

1347

1348 That being said, this strategy can allow those individuals who intend to use IK for
1349 commercialization purposes to apply in the manner prescribed in the regulations for a license
1350 authorizing the use of IK. Balogun and Kalusopa (2022) suggest that the DSI must ensure that
1351 they not only develop regulations and set up formal coordinating structures but that they equally
1352 provide the necessary financial and skill resources through their National System of Innovation
1353 (NSI) and their Post School Education and Training (PSET) institutions to help implement the

1354 work of local communities in the advancement of IKS and products. For instance, Demir (2021)
1355 mentions a project in which approximately R58 million were invested for construction. The
1356 project is the current Good Manufacturing Practices-based laboratory and medicines production
1357 facility. The laboratory is linked to Farmovs, an FDA-accredited clinical trials management
1358 research facility.

1359

1360 Consequently, all the above-detailed developments aim to recognize and accredit the IK. By doing
1361 so, the RPL framework considers ways to allow us to better discover IKPs in connection with the IKS
1362 Policy (2004) (Moichela, 2017). This evidences the importance of IKS in the sustainable development
1363 of South African indigenous communities and the country in general. In its third chapter, the IKS
1364 Policy (2004) mandates the Department of Science and Technology (DST) to address the elements
1365 of indigenous knowledge that are not accommodated within the National Qualification Framework
1366 (NQF) (Moichela, 2017). Similarly, DST must also explore the existing opportunities for recognition
1367 of prior learning of IK practitioners within the current NQF (Kaya & Seleti, 2013). The IKS Policy
1368 further stipulates harmonizing the Recognition of Prior Learning framework with international best
1369 practices. The Recognition of Prior Learning of IK practitioners will also promote the constitutional
1370 rights of the knowledge practitioners.

1371

1372 In that context, the IKS Policy (2004) emphasizes that recognizing IK holders and practitioners and
1373 their practice disciplines should be mainstreamed to enhance community empowerment and
1374 organized stakeholder interaction. Loch and Riechers (2021) illustrate the need to bridge the gap
1375 between IKS disciplines of practice (DoC) and public awareness to redress various issues, such as
1376 lack of recognition of existing IKS disciplines of practice as part of the global bodies of knowledge
1377 and innovation; limited understanding of IKS and its importance in sustainable community livelihood
1378 and development. In the same context, Shonhai (2016) asserts that joining the breach between public
1379 awareness and IKS DoC requires the expansion of the IK holders and practitioners' time-tested
1380 knowledge, innovations, and products beyond their immediate communities to become an integral
1381 part of the national and global knowledge economy. Finally, Khumalo and Baloyi (2017) submit that
1382 covering up the vacuum between public alertness and IKS Doc can harmonize incoherent policy
1383 frameworks and integrate the various IKS disciplines of practice; no streamlined criteria for the
1384 standardization and certification of the competencies of IKS disciplines of practice, like quality
1385 assurance, and eventually no acknowledgement of IKS disciplines of practice as professions.

1386

1387 The RPL system and process provide several advantages for developing and recognizing IK-holders
1388 and practitioners as knowledge producers, users, and community educators. Congruent with Munsaka

1389 and Dube (2018), IK holder's and practitioners' knowledge, innovations, and practices will contribute
1390 to transforming the current Western-oriented education system by mitigating the gap between living
1391 and learning. A mutual professional exchange of knowledge and practices will occur between IK and
1392 conventional Western knowledge practitioners. Khumalo and Baloyi (2017) argue that IK holders
1393 and practitioners have information, inventions, and observations that can easily equally endorse the
1394 role of African IK in the African Renaissance and enable Africa to contribute and participate actively
1395 in the global knowledge economy using knowledge systems generated by its practitioners as
1396 demonstrated by the other world IKS best practices such as India, China, Brazil, and Malaysia.
1397 Recognition of RPL and the experience of IK holders and practitioners reduces the time and costs of
1398 formal learning. It allows human capital to be deployed more productively across the economy by
1399 giving people access to jobs that better match their true skills.

1400

1401 Furthermore, Maluleka (2020) admits that IK holder's and practitioners' aptitudes can become a solid
1402 foundation for forming community-based small and medium-sized enterprises that can provide
1403 income and job opportunities in their respective communities. Certainly, this can provide educational
1404 benefits such as developing career paths within a lifelong learning framework, which enables skills
1405 portability and articulation. According to Shizha (2014), grassroots who own information knowledge
1406 have the power to become the basis for the standardization, codification, and classification of IKS
1407 and articulation within the NQF, thereby opening access to IK-based learning opportunities and IK-
1408 based job opportunities created by community-based IK production enterprises for underprivileged
1409 minority groups, disaffected youth and older workers who did not have many opportunities for formal
1410 learning. Similarly, Ahearn et al. (2019) confirm that the aptitudes community people own regarding
1411 IK can establish and repair social justice as it promotes work that is self-consciously relevant' to the
1412 needs of marginalized and underprivileged social groups. This helps make visible the IKS best
1413 practices in natural resource management, indigenous approaches to healthcare, food security and
1414 nutrition, leadership and governance, climate change, adaptation, and mitigation (Tirivangasi and
1415 Tayengwa, 2017). It is a vehicle for interfacing IK with other knowledge systems for sustainable
1416 community livelihood.

1417

1418 It is also worth mentioning that the DSI recognition of RPL provides for persons wishing to register
1419 their qualifications as IK practitioners. Registration is paramount because it allows the person to
1420 become certified and recorded in the Register of Designations. Accordingly, Maluleka (2020) admits
1421 that the process caused the formulation of some structures to establish the RPL. The DSI may develop
1422 competency norms and standards to partner with the SAQA. For instance, Osenia and Shannon (2020)
1423 confirm that those norms and standards may encompass four THP categories: diviners, herbalists,

1424 traditional birth attendants, and traditional surgeons in KZN, North West (NW), and
1425 Limpopo. According to Chali et al. (2021), partnership with SAQA should start with the project
1426 initiative conception by developing the NQF norms and standards and interfacing them with those
1427 that THPs may emit or those from any other areas or disciplines. Through this attempt, the DSI works
1428 similarly with the DH, and both present the work they will have done to the THPs Interim Council
1429 (Mothibe & Sibanda, 2019). In effect, this effort can also be presented to the House of Traditional
1430 Leaders and in the provinces, and the DSI should ensure that the concerned individuals are also
1431 mobilized. Accordingly, Maluleka (2020) admits that the work produced in the KZN province was
1432 the most complete regarding the scoped fitness standards and ethics that the THP had developed.

1433

1434 On the other hand, the DSI ought to present the RPL pilot program to the National House of
1435 Traditional Leaders (NHTLs), the Congress of Traditional Leaders of South Africa (CTLISA), and
1436 the KZN Provincial House of Traditional Leaders (Bell, 2019; Habtom, 2018). As a result, all these
1437 stakeholders must support and endorse the initiative. In 2019, the Minister of Higher Education,
1438 Science and Technology appointed a 13-member steering committee to focus on the accreditation of
1439 institutions for the RPL in ATMs (Grigo, 2022). According to Cooper et al. (2018), the selected
1440 committee's main objective should be to simplify the execution of a DoC for the THP domain as an
1441 experimental program to assess the developed ability norms and standards in a real-life setting.
1442 Congruent with Demir (2021), this pilot would result in a model for RPL that could be rolled out to
1443 other provinces. This is part of a strategy the Government has chosen to recognize PL and accredit
1444 IKS practitioners.

1445

1446 **2.7 Government Public Strategies on IKS Development**

1447 South Africa's Government is mandated to frame public guidelines regarding IKS, and the public and
1448 private actors must execute them. According to Howlett (2019), through public policy, the
1449 government produces an action plan to assist the public in attaining definite goals. The public agency
1450 enforces and executes the agenda, a wide-ranging action plan formulated to overcome a specific
1451 problem and articulated through a precise political process. Demir (2021) considers policy
1452 formulation as the phase between agenda-setting and implementing that policy. However, policy
1453 formulation remains a 'broken thread', a neglected stage in the study of public policies, mainly on
1454 the African continent (Kadio et al., 2018; Howlett & Mukherjee, 2020). The formulation process
1455 expands the IKS policy design, referred to as the premeditated decision-making process. In other
1456 words, this step involves the development of policy options within the government. In line with
1457 Lavigne and Ayimpam (2018), this occurs after officials have narrowed a range of possible policy

1458 choices by excluding infeasible options. In this step, different interested parties attempt to have their
1459 favoured policy solution rank high among the remaining options.

1460

1461 The involvement of teams of multi-disciplinary experts in various fields in formulating the IKS policy
1462 sounds crucial. Such joint efforts, according to Ntentema (2021), reflect that people can build
1463 confidence by clearing the misperceptions that exist toward indigenous knowledge, such as ATM,
1464 that colonialism and Apartheid have created and propagated over the years. According to Howlett
1465 and Mukherjee (2020), such a process implies that the government can successfully motivate
1466 collaboration to develop the IKS policy by creating collaboration with diverse stakeholders for
1467 design. This brings together representatives of government departments, science councils, tertiary
1468 institutions, NGOs, knowledge holders, and practitioners, including ATHPs (Hall et al., 2013).

1469

1470 Bagley (2018) confirms that the participation of IK holders and practitioners in formulating IKS
1471 policy was a testimony of the commitment of the democratic South African government. The
1472 government did all it could to ensure that the grassroots were part of the solution to the local problem
1473 of marginalization of IKS, especially traditional medicine, including its knowledge holders and
1474 practitioners (Chali et al., 2021). The majority of the African people depend on traditional medicine
1475 for primary healthcare. The participation of IK holders and practitioners from the initial phase must
1476 be an important milestone in the government's efforts to recognize that they were custodians of local
1477 community knowledge systems.

1478

1479 On the other hand, the government can also work through its departments to push for the recognition
1480 of IKS. In this context, Saurombe (2013) argues that considering the holistic, complementary, and
1481 multi-and transdisciplinary nature of IKS, the formulation of the IKS Policy also requires the creation
1482 of an Inter-Departmental Committee on IKS. In the South African context, this has included different
1483 government departments such as trade and industry, arts and culture, agriculture, health,
1484 environmental affairs, and tourism (Munsaka and Dube, 2018). Consideration also went to the
1485 ministries of Education, Foreign affairs, Land Affairs, Provincial and Local Government, Water
1486 Affairs and Forestry, Public Service and Administration (DPSA), Finance, and Sports and Recreation,
1487 to name a few (Munsaka and Dube, 2018). The committee still exists, and many government
1488 departments are represented to ensure synergy. Each department focuses on IKS areas of expertise.

1489

1490 To ensure international benchmarking, the IKS policymakers consulted experiences and lessons from
1491 Australia, China, India, Latin America, and other African countries (Mazel, 2018). The IKS policy
1492 formulation process also considered international imperatives and declarations. This, according to

1493 Ramaube (2018), included the African Regional Intellectual Property Organization (ARIPO), the
1494 Convention on Biological Biodiversity (CBD), the International Labour Organization (ILO), and the
1495 Agreement on Trade-Related Aspects of Intellectual Property Rights (TRIPS). In line with Bell
1496 (2019), consideration also went to the United Nations Conference on Trade and Development
1497 (UNCTAD), United Nations Educational, Scientific and Cultural Organization (UNESCO), United
1498 Nations Environment Programme (UNEP), and World Intellectual Property Organization (WIPO),
1499 World Trade Organization (WTO).

1500

1501 The issues addressed in the above-mentioned international declarations are featured in South Africa's
1502 IKS policy. The points included codification, integrating IKS with science, the contribution of IKS
1503 holders in decision-making, rights of Indigenous people to benefit sharing, informed consent, and
1504 protection of IKS through intellectual property (Mothibe & Sibanda, 2019). For example, Dreyling
1505 (2019) and WHO (2019) indicate how the United Nations Environment Programme (UNEP), as the
1506 custodian of the Convention on Biological Biodiversity (CBD), requested WIPO, WTO, and FAO to
1507 consider the protection and benefit of local communities that have contributed to an invention or
1508 intellectual property development. In this vein, WIPO convened the ICG and UNCTAD to voice
1509 support, emphasising the economic value of IKS (Flint, 2015). Regional organizations such as the
1510 Asia and Pacific and the African Union have also issued treaties and conventions regarding the
1511 regulation of traditional knowledge. The importance of consulting and learning from others indicates
1512 how the South African IKS policy formulation is aligned with regional and international imperatives.

1513

1514 However, the efforts deployed by the South African government to promote the IKS policy were
1515 helpful for many others. Osenia and Shannon (2020) accentuate that while learning from international
1516 approaches and experiences, other countries also learned from South African IKS policy
1517 development. For example, The South African IKS policy (2004) was tabled as a working document
1518 at the World Intellectual Property Rights and Cultural Heritage at the Digital World Conference in
1519 Spain. Several countries use the South African IKS policy (2004) as a framework for formulating
1520 IKS policy (Balogun & Kalusopa, 2022).

1521

1522 **2.8 The IKS Policy (2004) Environment in South Africa**

1523 It is crucial to comprehend the context around the IKS policy in South Africa because doing so can
1524 greatly aid in understanding TM in this country. According to Shonhai (2016), it is essential to analyze
1525 the IKS discourses that influenced its creation and its objectives to fully grasp the most significant
1526 factors that led to the formulation of the IKS policy (2004) in South Africa. The African Renaissance

1527 as an ideology, equity, integrating IKS and science, considering the integration of science with
1528 traditional knowledge, and the commodification of IKS need to be well understood.

1529

1530 As mentioned, the IKS must be explored to understand better how cultures play an important role in
1531 developing the ATM in South Africa. However, Shonhai (2016) admits that the colonial and apartheid
1532 regimes in South Africa were very harmful to IKS, which also negatively impacted the ATM. To
1533 change the legacy of the past and provide support and protection for African IKS, Balogun and
1534 Kalusopa (2022) argue that its knowledge holders, practitioners, policy, and legislative frameworks
1535 had to be considered as vital factors. Thus, it was necessary to create a policy framework that would
1536 aid in facilitating a better understanding of the historical and cultural context, as well as the
1537 importance of indigenous and local communities, to recognize IK as a knowledge domain and system
1538 on its terms (Kaunda & Kumalo, 2015). The IKS policy's main objective was to acknowledge such
1539 comprehension, validation, development, promotion, and safeguarding of the knowledge's keepers
1540 and practitioners.

1541

1542 Furthermore, between 1996 and 1998, the South African government organized an IKS audit by
1543 which it assessed Indigenous Technologies countrywide (Murove, 2018) as part of the social
1544 transformation process of post-apartheid society. Therefore, the IKS Program was initiated jointly by
1545 the Parliamentary Portfolio Committee of Arts, Culture, Science and Technology and the Council for
1546 Scientific and Industrial Research (CSIR), which started in 1996 as a research program at the CSIR
1547 (Njiraine, 2015). The process reached the level at which CSIR asked the University of the North to
1548 pilot the Indigenous Technologies audit following the nation's debate and conceptualization. Munck
1549 (2016) reveals that in December 1996, the CSIR and the University of the North were assigned the
1550 practice with 60 students from various professions to engage with communities in the Northern
1551 Province regarding IK. Thus, the outcomes of this pilot were presented in a workshop held at the
1552 University of the North in February 1997, and a feedback workshop marked the conclusion of the
1553 fieldwork. The outcomes of this workshop provided a glimpse into the variety of indigenous
1554 technologies utilized on a very modest scale in the Mpumalanga Province and several communities
1555 in the Northern Province (Sayed et al., 2017). The results have paved the way for a nationwide audit
1556 to catalogue the many indigenous technologies in use across South Africa.

1557

1558 In line with Buthelezi and Hughes (2014), the Portfolio Committee of the former Department of Arts,
1559 Culture, Science and Technology (DACST) played a crucial role in developing and supporting IKS.
1560 DACST accepted and backed the IKS policy's goal of fostering and enhancing its contribution to
1561 South Africa's social and economic development. This was included in the NRDS of 2002, the Ten-

1562 Year Innovation Plan (2008), the Science and Technology White Paper (1996), and the South African
1563 Constitution (Balogun & Kalusopa, 2022). The development of services offered by traditional healers,
1564 the addition of IK to the economy, the integration with other knowledge systems, and the
1565 reinforcement of African cultural values in the face of globalization served as the policy drivers.

1566

1567 In effect, the above involved the CSIR and 9 Universities in the Audit of IK knowledge countrywide.
1568 Each university conducted its provincial workshop in 1998 and reported on its findings. As a result,
1569 in September 1998, the First National Workshop on IKS took place at the University of the North
1570 West from 21 - 23 September 1998 (Fredericks, 2011). This workshop was jointly organized by the
1571 Portfolio Committee, DACST, and the CSIR and supported by other stakeholders. The conference
1572 represented the broader stakeholder community, including the practitioners of indigenous medicine.

1573

1574 On the other hand, Mothibe and Sibanda (2019) highlight the involvement of THPs, along with key
1575 stakeholders, including university staff and students, science councils, government departments,
1576 technologists, members of parliament, and international guests. The workshop dealt with the
1577 information emanating from the national conference. Ultimately, the workspace discussed the
1578 formulation of the policy on IKS and legislative mechanisms in IKS, followed by a regional
1579 conference to interact with counterparts in neighbouring countries (Kaya & Seleti, 2013).

1580

1581 **2.9 Contestations on Conceptualization of Indigenous Knowledge Systems (IKS)**

1582 The IKS had been the subject of debates before they were accepted. Likewise, Tharakan (2017)
1583 indicates that even though such knowledge systems have existed for thousands of years, African
1584 Indigenous Knowledge Systems (AIKS) concepts and practices have only recently begun to be
1585 recognized in the scientific fields. The inadequacies of Western-based development planning and
1586 methods and the growing disillusionment of most Africans with the promises of contemporary
1587 "Western" science tend to raise public awareness of the importance of indigenous African ways of
1588 knowing and value systems. It emphasized the value of "science" in establishing its location in the
1589 social and cultural framework of the African people, particularly their native healthcare systems
1590 (Owusu-Ansah & Gubela-Mji, 2013).

1591

1592 However, in the Western context, the concept of "indigenous" tends to be taken as similar to
1593 'traditional', 'aboriginal' or 'vernacular' (Loubser, 2005: 76). Osman (2009) indicates that
1594 'indigenous' people refer to a specific group of people occupying a certain geographic area for many
1595 generations. They possess, practice, and protect a total sum of knowledge and skills constitutive of

1596 their meaning, belief systems, livelihood constructions, and expression that distinguish them from
1597 other groups (Dondolo, 2005; Masoga, 2005). However, Haris et al., 2013:8) argue that the
1598 contemporary politics of indigeneity and identity imply that people have multiple and overlapping
1599 identities shaped by the present political and economic dynamics and their manifestation in the socio-
1600 cultural context (Grigo, 2022). Even though many people may express similar worldviews and a
1601 common indigenous identity, their cultures are nevertheless based on different creative spirits,
1602 environments, and histories. For instance, A-Magid (2011) notes that the forces of AIKS function on
1603 two interrelated levels: the empirical and cognitive. The empirical level encompasses natural,
1604 technological, architectural, and socio-cultural spheres.

1605

1606 Conversely, the natural sphere includes ecology, biodiversity, soil, agriculture, medicine, and
1607 pharmaceuticals. Technological and architectural form the second sphere, which Makundi et al.
1608 (2016) say consists of all the crafts such as metallurgy, textiles, basketry, food processing, building,
1609 etc. The third sphere is the socio-cultural aspects of life, including social welfare, governance, conflict
1610 resolutions, music, art, etc. All these knowledge systems and practices operate within a cultural
1611 context involving a harmonious interdependence of all-natural, physical, social, cultural, or spiritual
1612 phenomena. It is worth noting that this domain might include rituals and performances such as songs
1613 and dances, which Vining et al. (2008: 8) think oppose modern and Western tendencies as they
1614 separate humans from their natural environment. The core of indigenous cosmology is about “the co-
1615 evolution of spiritual, natural, and human worlds” (Винокурова & Захарова, 2022).

1616

1617 Looking at the above conceptualizations, Bojuwoye and Moletsane-Kekae (2018) support the
1618 argument that the main features of AIKS are reflected in its holistic approach to knowledge and life.
1619 It is also community-based, predominantly unwritten but preserved in oral traditions and collective
1620 memory, and informed by customs, practices, rituals, proverbs, and oral stories. It is dynamic and
1621 changing due to its ability to adapt to other ways of knowing and circumstances (Kaya & Seleti,
1622 2013). Indigenous knowledge exists as a “system” due to its holistic nature and relationship to all
1623 aspects of life and the natural environment. Osman (2009) elaborates that, like other systems or
1624 domains of knowledge, Indigenous Knowledge embodies ethical standards, standards of
1625 responsibility, transmission, and a ‘system of rules and practices’.

1626

1627 Even though AIKS and TM are increasingly gaining a space in the African political, cultural,
1628 academic, policy, and legal frameworks, they still face many external and inherent challenges as a
1629 knowledge domain on its merit. A-Magid (2011) categorizes these challenges into three main areas:
1630 the impact of colonialism that continues to cast its long shadow in the postcolonial era, the barriers

1631 associated with the body of AIKS, and challenges reflected in the passive response of African
1632 universities and research institutions. Regarding the impact of colonialism, various methods were
1633 employed to subjugate African people and gain complete control over their lands and resources. This
1634 also involves the systematic internalization of indigenous cultures and concerted efforts to erase
1635 indigenous knowledge systems and replace them with Western- knowledge systems. According to
1636 Osman (2029), this was made possible through Western education, Christianisation, and the
1637 degeneration of relatively self-sufficient economies into dependent entities. This dominance
1638 continues to exist even in the postcolonial period (Kaunda & Kumalo, 2015:3). The challenges
1639 embedded in the body of AIKS are divided as (i) alleged ethnicisation (ii) epistemological, conceptual
1640 and methodological issues, (iii) restoration and protection of AIKS.

1641
1642 Michalopoulos and Papaioannou (2015) argue that ethnicity, as a dividing factor in the political
1643 economy of Africa, is a colonial creation. The dominant characteristics of African pre-colonial
1644 societies were mobility, overlapping networks, multiple group membership, and flexible, context-
1645 dependent drawing of boundaries. The European Colonial policy of divide and rule introduced the
1646 concept of ‘individual’ ethnic identity with corresponding (cultural and linguistic) components of
1647 distinct group identity confined to specific areas. This included various forms of zonation of natural
1648 resources, including land distribution and use, censuses, and commercialization of land. Osman
1649 (2009) elaborates that when the political borders of African countries were drawn, akin ethnicities
1650 were divided further into different groups and communities that became nationalities. This
1651 fragmentation of traditions, land, and other resources, separation of groups of people and ethnicities,
1652 and restriction to access what used to be boundless created competition and conflict between these
1653 groups. In this vein, Griffith and Zuberi (2015) argue that in modern times, ethnicity refers to a social
1654 concept that refers to the cultural distinctiveness of a social group. Therefore, an ethnic group, in the
1655 mind of Hall (2017), is identified using sociocultural rather than physical-biological characteristics
1656 and an attachment to a common home. Besides, Erikson (2017) indicates that ethnicity in its social
1657 and political context has been self-indulgently manipulated by colonialism to influence traditional
1658 leaders and, currently, by the African elites to lobby their ethnic communities to achieve their own
1659 political and economic interests. In the face of these ethnic divisions, African local communities in
1660 their specific cultural and ecological environments have used local knowledge systems to mitigate
1661 various life challenges, including healthcare, environmental management, food security, conflict
1662 transformation, leadership, and governance (Munsaka and Dube, 2018; Khumalo& Baloyi, 2017).
1663 Alternatively, IKS connects with the spiritual aspects of life because it is hard to demonstrate that
1664 connectivity practically. Onwu and Mosimege (2004) declare that this connection sounds partial
1665 because it presents many gaps regarding comprehending the knowledge it encompasses. Additionally,

1666 IK is described as inclusive of all kinds of beliefs, making it short of referring to truth or justifications.
1667 Due to this lack of evidence, Munsaka and Dube (2018) think that the status of IKS is just a mere
1668 theory or estimation, if not a delusion.

1669

1670 By scrutinizing knowledge production and its methodologies, Ozioma and Chinwe (2019) conclude
1671 that given the holistic socio-economic and spiritual dimensions of IKS, its methods of discovery and
1672 experimentation are largely communitarian because its transmission mode is oral and collective.
1673 Therefore, using them concurrently with the standard scientific methodologies and the IK diachronic
1674 experimentation procedure could be crucial since it can pose a logistic inconvenience. However,
1675 Mukherjee (2002) states that the field methods currently applied by researchers are predominantly
1676 based on Western methodology, and, when required, indigenous procedures are integrated in the form
1677 of Participatory Rural Appraisal (PRA), semi-structured interviews, in-depth interviews, and/or
1678 group focused interviews, to some extent, interpretation of the data.

1679

1680 Accordingly, Trinos (2022) argues that the challenges facing indigenous knowledge depict some of
1681 the devastating consequences of colonialism's carefully designed policies to deconstruct, erase, and
1682 relabel the fundamental cognitive of IKS and the rich heritage of Africa and replace them with
1683 cognitive and theoretical conceptualizations as demonstrated in the Western hegemony today. Despite
1684 all this, IK faces two interrelated challenges, encompassing the search for methodologies (Chaudhuri,
1685 2015). These approaches do not build on blind assertions of African ideas and concepts to replace
1686 Western terms. According to Eswarappa et al. (2013), these processes apply critical reflection and
1687 identify, filter, provide, and use factual and data-related protocols based on an integrated IKS. The
1688 second challenge is also related to the previous one. Olutope (2020) reveals the two challenges are
1689 closely related in the way they craft research methodologies that fit the multi-disciplinary field of IK.
1690 In other words, the tactics sound natural in that they own rights and context simultaneously as they
1691 value the contemporary changes and developments in human knowledge.

1692

1693 Therefore, Eswarappa et al. (2013) state that oppressive and exploitative colonial political and
1694 ideological mechanisms have imposed consistent policies of coercion and consent on their African
1695 subjects, which led to total compliance of the people and dislodgement of their IK and importance
1696 structures. In the same vein, Schoneveld and Zoomers (2015) approve that the dislocation policies
1697 designed to appropriate the African people's natural resources, especially land, intensified the
1698 estrangement of African communities and, hence, the loss of their knowledge systems associated with
1699 these natural resources. In the post-colonial period, national and international pharmaceutical and
1700 medical cosmetics companies have become corporations that collaborate with their associate research

1701 institutions through legalized piracy. This is a strategy they use thanks to the licenses they get to
1702 manipulate IKS and cultural globalization through Information and Communication Technologies
1703 (ICTs), whose aim is to portray such knowledge as primitive and unscientific (Mizuno & Okazawa,
1704 2009).

1705

1706 Given the above arguments, IKS practitioners have considered ways to protect their knowledge.
1707 Accordingly, Anderson (2015) shares that protecting IK faces challenges using the Intellectual
1708 Property Rights (IPR) regime. Legally, IPRs are individualistic, making them powerless to protect
1709 community-based knowledge systems. Khumalo and Baloyi (2017) reveal that this legal obstacle is
1710 being addressed. Still, the different cultural expressions of IK, including kills about weaving,
1711 basketry, music, songs, costumes, fashion, symbols, etc., are being reproduced and commercially
1712 privatized by outsiders with little beneficiation to local communities. Identifying the indigenous
1713 communities to which certain knowledge assets and/or products belong creates another challenge.
1714 Thousands of social groups and communities in the country and continent also practice these
1715 knowledge systems.

1716

1717 The continued dominance of Western knowledge systems is hindering the renovation and protection
1718 of IKS. Murove (2018) positions that the hegemony of what was previously colonial and now Western
1719 knowledge systems is entrenching itself deep in our countries to ravage our contemporary knowledge.
1720 Such new forms of imperialism and capitalist globalization have become very destructive for African
1721 IKS. To this issue, Mizuno and Okazawa (2009) underscore that Western knowledge systems
1722 dominate the disciplinary and interdisciplinary discourses, paradigms and publications, academic
1723 politics, and practices. This is despite the increasing efforts to establish new higher educational and
1724 research institutions in the country. This has happened because we see that the same Western
1725 hegemony still dominates the majority of new African local institutions, may they be academic,
1726 private, or public.

1727

1728 Furthermore, Sayed et al. (2017) note the paradox of African universities: even though they are
1729 located in Africa, they teach and research in Africa. However, they have still failed to focus on an
1730 African context. This infers that what they do in research and teaching hardly mirrors the local
1731 perspective. Only a few higher education institutions in South Africa, such as the North-West
1732 University, the University of Venda, and the University of Limpopo, have tried to incorporate AIKS
1733 in their teaching, learning, and community engagements. The University of KwaZulu-Natal has
1734 adopted an institutional AIKS policy since 2014. These institutions constitute the DST-NRF Centre
1735 in Indigenous Knowledge Systems (CIKS), with its hub at UKZN. They also promote a knowledge

1736 domain characterized by challenges, including, according to Mazel (2018), not fully integrated into
1737 the core business of higher education and research institutions regarding research, teaching, and
1738 learning programs. Again, it lacks a critical mass of human capital conversant with IKS
1739 epistemologies, research methodologies, and value systems. It also lacks specific IKS-related
1740 employment opportunities for its graduates. Moreover, it has internationally limited IKS platform
1741 publications that are recognized and lack institutional commitment.

1742

1743 However, despite the above challenges, the CIKS has proved to be an important instrument for
1744 promoting the transformative sustainability of IKS within and outside the partner institutions.
1745 According to Snyder (2019), this has been done by advancing the democracy of knowledge systems
1746 as a paradigm shift by mitigating Western knowledge system dominance in the global knowledge
1747 economy. The CIKS has aided in transformation by improving the ability to supervise research for
1748 IKS development. In other words, it arranges works on IKS epistemologies and research approaches
1749 for both IKS students and supervisors (Balogun, 2023). Indeed, this aspires to foster international
1750 networks, collaborations for postgraduate education and training support, and a shared knowledge of
1751 IKS. Following Sayed et Al. (2017), the same initiative intends to expand multi-trans-disciplinarity
1752 in IKS research by including and drawing in international students. The same plan, congruent with
1753 Osenia and Shannon (2020), proposes to sustain experiential learning for IKS students through
1754 collaboration with the public and commercial sectors. It introduces undergraduate and postgraduate
1755 IKS research, teaching, and learning programs as a pipeline for developing IKS human capital
1756 (Snyder, 2019).

1757

1758 On the other hand, Shonhai (2016) considers paramount the promotion of equity in the context of
1759 gender, race, and nationality in all IKS-mandated activities through financial support, education and
1760 training, and involvement of postdoctoral and emerging researchers, especially for African women
1761 and particularly the South African ones. To end with, Munck (2016) suggests that the above process
1762 can only be successful if they work with different stakeholders. The joint efforts would aim to
1763 integrate IKS in the educational system at all levels and involve IK holders and practitioners in
1764 research, teaching, and community engagement to combine theory and practice to mitigate the
1765 disjuncture between learning and living (Sayed et Al., 2017).

1766

1767 Additionally, collaboration with the United Nations can be helpful. Belanger (2011) demonstrates
1768 how Indigenous Peoples and their IKS, including those in Africa, have increasingly been formally
1769 recognized by the UN and the Civil and Human Rights Movements since 1992. That is why the 21st
1770 of August has been accepted as the commemoration of the International Day of the World's

1771 Indigenous Peoples (Mazel, 2018). Many countries, such as India, Brazil, Colombia, Argentina,
1772 Bolivia, Mexico, and South Africa, have issued Policy Documents not only to endorse the rediscovery
1773 and revitalization of their IKS, including the protection of IP rights of local communities (Pedzisai,
1774 2013). They also encourage researchers and education systems to include IKS in their core research
1775 and academic undertakings.

1776

1777 Working in unison is another way to define and consider the indigenous concept. In the same context,
1778 several researchers raise existing controversy regarding the concept of indigenous because it is
1779 sometimes associated with primitive, naïve, or unscientific (Zent, 2009; Agrawal, 2014; Habtom,
1780 2018; Witt, 2021). Looking at the etymology of this concept, Munsaka and Dube (2018:4) maintain
1781 that indigenous denotes a sense of natural belonging to a place, meaning something native. To
1782 illustrate this, Sayed et Al. (2017) connect the concept indigenous to “*ezemvelo*” in the Xhosa and
1783 Zulu languages as derived from the root “*mvelo*”, denoting the original citizens of a region. Likewise,
1784 the concept “*inheems*” in the Afrikaans language refers to what naturally belongs to an area. This
1785 connects with “*heemkunde*” (Heimatkunde in German), which studies an environment, the people's
1786 morals, habits, historical relics, legends, songs, and stories (Van Wyk, 2002; Habtom, 2018). It
1787 illustrates how the concept of culture defines the identity and characteristics of a specific native land
1788 and its people, connecting culture to the notion of indigeneity (Hassim et al., 2007) as more than just
1789 a form of intellectual expression. Sayed et Al. (2017) elucidate how art and literature should also
1790 encompass a particular group of people's customs, arts, technologies, and social institutions.
1791 Consequently, ever-changing subjects constantly construct, reconstruct, and reinvent culture
1792 (Drzewiecka and Halualani, 2002).

1793

1794 The above points converge to admitting that natives of any land have their specific culture. In other
1795 words, every person has their IKS that they can easily use to prompt their role in developing TM in
1796 public healthcare in South Africa. In effect, this denotes the historical particularism as a conceptual
1797 framework, as Marvin Harris coined it in 1968 from an anthropological perspective (Sayed et Al.,
1798 2017). This confirms that each society and culture represents a collective and unique historical past,
1799 and each indigenous culture is distinct and unique. To explain cultural and knowledge systems, Boas
1800 used three characteristics: environmental conditions, psychological factors, and historical
1801 connections (Hassim et al., 2007). We understand the value of history as the most important part of
1802 people’s culture, but this can still be disapproved. According to Sayed et Al. (2017) and Munsaka and
1803 Dube (2018:8), this argument sounds anti-theoretical as it does not advance universal principles that
1804 apply to all world cultures. This happens because the analysis can interrogate the concept of IK. After
1805 all, it creates controversial debates. That said, different terminologies and conceptualizations have

1806 been used to describe what IK is. In this vein, Senanayake (2006) states that some people use concepts
1807 such as native knowledge, local knowledge, or folk knowledge, while others call it community
1808 knowledge, ecological knowledge, and so on. This implies that the understanding and implementation
1809 of indigenous people and their knowledge and the prospects and challenges of TM can prompt the
1810 understanding of their historical and cultural particularities, diversities, and dynamics. Sterling et al.
1811 (2017) and Isaac et al. (2018) support this but still argue that local, community, or indigenous
1812 knowledge systems need to be conceptualized in the context of their specific historical, cultural, and
1813 ecological systems.

1814

1815 Colonizers built on the above misunderstandings, to marginalize IKS and TM. The imperialists'
1816 dominance of Western knowledge through colonialism and other forms of imperialism tended deeply
1817 to marginalize TM through IKS (Aniah, 2015). This has occurred regardless of 80% of the African
1818 people who use TM medicine in their communities. Besides, that was partly due to cultural factors
1819 and the inadequacy of modern healthcare services to those who still depended on ATMs for healthcare
1820 (Habtom, 2018). Traditional medicine refers to the information and practices based on aboriginal
1821 people's concepts, opinions, and experiences regarding ways to diagnose, prevent, and better their
1822 health conditions, all leaning on their culture, whether explainable or not. The apartheid regime
1823 strongly opposed IK and TM, which means they were marginalized and overlooked (Berger, 2007),
1824 and this period effectively obstructed the development of IK and health care in general, mainly
1825 regarding ATM. Understanding the European conquest and invasion eras sheds light on how and why
1826 the epoch's main goal was the imposition of stems following the colonizer's strategies of bringing
1827 and forcing their medicine into SA. Therefore, they had to discredit and ban the African pre-existing
1828 knowledge systems to inflict their proper medical principles.

1829

1830 Colonialism and the apartheid system in South Africa further encouraged racial separation where
1831 diverse groups remained separated racially, which was key to access to knowledge. Sayed et Al.
1832 (2017) comment that the white minority had more access to knowledge, particularly modern scientific
1833 and technological knowledge, than the black majority. This easily applied because the white minority
1834 controlled and owned all state entities and institutions. Such a plan disadvantaged IKS and TM
1835 practitioners, asphyxiating them extremely during the SA apartheid era. In other words, they were
1836 marginalized, oppressed, suppressed, and open to humiliation. Due to denying practitioners access to
1837 appropriate and relevant opportunities and resources, IKS were similarly left without the opportunity
1838 to organize and mature. Consequently, Indigenous Knowledge came to be seen as primitive and
1839 unscientific, perceived as unhelpful for the people.

1840

1841 From another angle, it was during the apartheid period that traditional leaders who were responsible
1842 for traditional affairs, including IKS, were stripped of their powers and roles as guardians and holders
1843 of IKS. Hassim et al. (2007) underline that in the 1950s, the Bantu Authorities Act (BAA) of 1951
1844 and the Bantu Self-Government Act (BSG) of 1959 gave the development and rise of the 'homelands'
1845 policy. The strategy was then used during this period to force Africans to move and become citizens
1846 of selected rural 'homeland' areas, removing them from their cultural practices and traditions (Flint,
1847 2015). This move allowed people from different cultural backgrounds and knowledge systems areas
1848 to meet and share ideas, traditions, and IK. To some extent, this expanded knowledge.

1849

1850 On the other hand, the disadvantage was that the passage caused a loss of indigeneity of the AIK
1851 specific to a particular group of people and culture (Igboin, 2016). In a nutshell, it negatively impacted
1852 the development of the Africans' IKS. Hassim et al. (2007) admit that ATM has been neglected and
1853 marginalized in favour of biomedicine by colonial powers and apartheid policies in SA. Accordingly,
1854 Munsaka and Dube (2018:12) elucidate that the 1974 Health Act and its 1982 amendments denied
1855 traditional healers the right to perform any act related to medical practice. This made any traditional
1856 healing viewed as lawbreaking, causing the practitioners to be subjected to jail terms. If caught, Sayed
1857 et Al. (2017) confirm that Traditional Healers and those seeking their services were arrested and
1858 charged during the era of apartheid in SA. Despite all these laws and restrictions, ATMs remained
1859 resistant, and traditional healers of the era continued to be active (Ross, 2010).

1860

1861 Despite the marginalization of ATMs by colonialism and apartheid, Pedzisai (2013) and Mvula
1862 (2021) confirm that a large proportion of Africans at large, and most particularly South Africans in
1863 rural areas and marginalized communities, are still dependent on TM for health care. In addition,
1864 Kaya and Seleti (2013) state that a more significant number of traditional healers in SA, coupled with
1865 their historical role in traditional communities, have demanded that their contribution to the public
1866 health system be supported. As a result, policymakers are becoming more open and considerate of
1867 the TM role as part of a wider attitude toward the practice of medicine. However, based on its merits,
1868 the magnitude to which it can form an integral part of formalized healthcare continues to be much
1869 contested nowadays (Kaya, 2014). Colonization in Africa and the apartheid regime in South Africa
1870 have been at the centre of ostracism of most indigenous knowledge practices in favour of Western
1871 knowledge systems. Customary medicine and all other forms of cultural and intellectual contributions
1872 of non-Western knowledge systems were outlawed and forbidden. IKS were portrayed as basic and
1873 irrational (Kaya & Seleti, 2013), especially their spiritual aspects (Oyeshile, 2021).

1874

1875 In the post-apartheid era, the South African government initiated various policies, legal frameworks,
1876 and instruments to promote the role of IKS and ATMs in the public healthcare system. Since the
1877 abolition of the apartheid regime in 1994, the South African government has developed new policy
1878 strategies to address legacies of the past, such as the marginalization of IKS (Bakwesegha, 2007),
1879 including traditional medicine in public health care and sustainable livelihood as a whole. One of the
1880 main functions of public health is formulating public policies designed to solve identified local and
1881 national health problems and priorities; policies such as IKS have emerged. For this reason, it was in
1882 2004 that the government of SA adopted the NIKs Policy to promote sustainable socio-economic
1883 development of the country and its rural areas in particular (Osenia and Shannon, 2020). The key
1884 policy drivers for the implementation of the plan are namely: affirmation of African cultural values
1885 in the face of globalization, development of the services provided by traditional healers, contribution
1886 of the IK to the economy, and interfacing with other knowledge systems (Department of Science and
1887 Technology, 2004; Habtom, 2018; Osenia and Shannon, 2020)

1888

1889 The ambitions of the National IKS Policy (2004) include, among others, enhancing the quality of life
1890 of underprivileged people using their ways of knowing their value systems and contributing to Africa-
1891 led globalization. This implies that TM must consider globalization while sticking to African
1892 traditions and local ways of solving its healthcare challenges. Despite the good intentions of
1893 recognizing IKS and ATM legally in SA, they still face various hurdles when looking for sustainable
1894 solutions to community livelihood and healthcare challenges, and they are still facing marginalization
1895 as well (Zibengwa et al., 2021). This interrogates the planned projections of sponsoring IKS and TM
1896 for public health care in South Africa, which therefore must consider the objectives of the National
1897 IKS Policy (2004) in endorsing IKS for sustainability.

1898

1899 **2.10 Overview of World Health Organization on Traditional Medicine**

1900 The World Health Organization (WHO) is the umbrella institution that decides on every medicine
1901 used worldwide, which can still be regarded as traditional medicine (TM). The use and exploitation
1902 of indigenous knowledge by other nations has become a topic of discussion at numerous international
1903 forums. Kuruk (2020) retorts that the use and exploitation of TM in developed and developing
1904 countries have engaged in debates and concluded agreements that include the protection of IK.
1905 Intergovernmental organizations such as WHO, UNCTAD, UNEP, UNESCO, and WIPO have
1906 opened debates on the possible protection of IK, referred to in the Policy as traditional knowledge
1907 (TK), using intellectual property systems (WHO, 2018). It is against this international background
1908 and considering the systems and processes available locally that the IKS Policy identified the various

1909 means of protecting indigenous knowledge in the SA context, including TM as a domain of IKS
1910 (Banjo et al., 2003). These include the intellectual property system, databases, various exceptional
1911 laws, and registers.

1912

1913 Picking et al. (2019) admit that TM is an integral part of the medical structure in many countries
1914 worldwide, even though its health services are often underestimated because its IKS policies remain
1915 unpopular. In some countries, the WHO (2019) revealed that TM or non-conventional medicine
1916 (NCM) may be termed complementary medicine (CM). TM has a long history of use in health
1917 maintenance and in disease prevention and treatment, particularly for chronic disease (Pradipta et al.,
1918 2023). The WHO TM Strategy 2014-2023 was developed in response to the World Health Assembly
1919 resolution on TM (WHA62.13) (Aniah, 2015). The strategy's goals were to support member states in
1920 harnessing the potential contribution of TM to health, wellness, and people-centred health care. In
1921 the same vein, Bell (2019) reveals that the objective was equally to promote the safe and effective
1922 use of TM by regulating, researching, and integrating TM products, discussing ways to support IKS,
1923 as well as traditional practitioners and practice into health structures in world countries that are
1924 focusing on such medicine.

1925

1926 Furthermore, supporting those countries in the WHO may promote proactive policies that can help
1927 implement action plans. Congruent with Habtom (2018), such an application has the unmistakable
1928 power to reinforce TM and IKS's role in people's health. In other words, the whole process was built
1929 upon the WHO TM Strategy 2002-2005, which reviewed the status of TM globally and IKS among
1930 countries under its coverage (Zhang, 2018). This development generated four key objectives: policy,
1931 safety, access, and rational use. Habtom (2018) illustrates how the policy aimed to integrate IKS and
1932 TM within national healthcare systems where possible, allowing the development and
1933 implementation of national IKS via TM policies and programs in collaboration with the ministries of
1934 health.

1935

1936 The second objective mostly focused on safety, efficacy, and quality. The main vision was to promote
1937 TM's safety, efficacy, and quality by expanding the IKS and other basic knowledge to provide robust
1938 and widespread guidance about regulatory and quality assurance standards (Osenia and Shannon,
1939 2020). Then came the aim of dealing with access. According to Abdullahi (2011), access in the
1940 context of TM and IKS implies an increase in the availability of indigenous knowledge about
1941 traditional medicine and its affordability. This strategy emphasized ways underprivileged populations
1942 in various countries can access such medicine fully. Access also encompassed rationality by looking
1943 at ways underprivileged people can access TM without damaging the ecosystem. The last objective

1944 was about the rational use of TM in various countries where it is in application. Congruent with
1945 Habtom (2018) and Ramaube (2018), rationality mirrors therapeutic promotion on how people can
1946 use appropriate TM and learn about IKS through practitioners and consumers, all being under the
1947 supervision of the Ministry of Health.

1948

1949 On the other hand, despite meaningful progress in instigating this TM strategy worldwide, WHO
1950 (2018a) accentuates how countries that belong to the WHO continue to experience challenges
1951 connected to development, integration, control, regulation, education, and information. Development
1952 connects with the enforcement of policy and regulation. At the same time, integration deals with
1953 particular identification and evaluation of the criteria for integrating TM and information regarding
1954 IKS into national and primary healthcare (PHC) (Chebii et al., 2020). In the context of safety and
1955 quality, the challenge was mostly about assessing TM's products and services, the qualification of
1956 practitioners, and the methodology and criteria for gauging usefulness. Furthermore, Habtom (2018)
1957 highlights the challenge of controlling and regulating TM and CM advertising and claims without
1958 neglecting the challenge regarding research and development.

1959

1960 Another challenge was the education and training of traditional medicine practitioners. These TM
1961 practitioners must learn about medicine and ways of getting them. Such education would equally
1962 consider how to use all the herbs they need in their domain and understand their products'
1963 beneficiaries and needs. Finally, the challenges of TM practitioners regarding information and
1964 communication were also discussed. Consequently, Osenia and Shannon (2020) discuss the cruciality
1965 of sharing information about TM and IKS policies, regulations, service profiles, and research
1966 information or obtaining reliable, objective information resources for consumers. Not only do these
1967 challenges exist in South African TM structures, but they are real in the global medical system
1968 worldwide.

1969

1970 Discussing how to implement TM and the challenges the process meets requires countries within the
1971 WHO institution to determine their national situations concerning TM and IKS policies. In line with
1972 Maluleka (2020), the process can trigger the countries to develop and enforce their TM and IKS
1973 policies, regulations, and guidelines that reflect these realities. In this condition, each country can
1974 address these encounters by organizing activities through their departments and ministries of health,
1975 following these three strategic sectors. Firstly, the WHO suggests that when countries must build their
1976 proper knowledge base, they focus on a more significant approach that can allow their TM structures
1977 to be managed actively through appropriate national policies that understand and recognize the role
1978 and potential of their traditional medicine. The second strategy, according to WHO (2019), deals with

1979 ways countries can use TM by reinforcing the quality assurance, safety, proper use, and effectiveness
1980 of TM by regulating products, practices, and practitioners through traditional medicine education and
1981 training, skills development, services, and therapies. Appiah et al. (2018) and Nsagha et al. (2020)
1982 also indicate the need to promote universal health coverage by integrating TM services into health
1983 service delivery and self-health care. Hence, Grigo (2022) articulates how this context can promote
1984 service delivery and self-health care because health package distribution together with self-health
1985 care encompasses the power of capitalizing TM potential contribution, which can easily improve
1986 health services and health outcomes by certifying consumers who can make informed choices about
1987 TM's self-health care.

1988
1989 Based on the above discussions, Abdullahi (2011) and Olutope (2020) underscore that WHO is the
1990 main world institution whose role is to initiate and assess a review of the implementation of strategies
1991 regulating traditional medicine and IKS policies across countries. This implies that the WHO must
1992 ensure these countries understand how IKS policies function as a knowledge domain and system
1993 before their implementation. In other words, IKS' implementation must consider the historical,
1994 cultural, and ecological particularities in which traditional medicine works, which must equally apply
1995 to South African traditional medicine and healing practices. The subsection below discusses the Value
1996 propositions of traditional medicine and public healthcare.

1997

1998 **2.11 The Value Propositions of Traditional Medicine in Public Healthcare**

1999 In the context of this research, TM can provide helpful medical assistance to South Africans who are
2000 using it. That being said, traditional medicines sound like health philosophies, values, and knowledge
2001 integrating herbal, innate, and inorganic grounded medications, divine healings, physical methods,
2002 and practices used to cure, identify, and avert diseases or preserve health (WHO, 2002:7). Basically,
2003 and in the same context, the value proposition of TM and PH specify what makes the service and care
2004 traditional practitioners offer attractive, and the main reasons why people should come to them. The
2005 proposition here infers that TM has tangible benefits to present to South Africans so they can feel it
2006 is good medicine that can defeat many of their health issues. TM deals with public health, and its
2007 perfect proposition must quickly transmit the values to any potential South African customer without
2008 further explanation. Each of South African TM's propositions remains unique, as it is a method for
2009 communicating the distinction between what it offers and Western modern medicine when dealing
2010 with South Africans' public health. To avoid misleading South Africans with sayings that might not
2011 accurately communicate the advantages of TM and the treatment it provides, TM medical
2012 practitioners have done everything they can to avoid doing so.

2013

2014 The significance of the TM value propositions among South Africans is in creating a value position
2015 essential for advancing public health. The proposition can be constantly published on the TM
2016 marketing website because it allows TM to persuade South Africans that it has successful PH care,
2017 which can attract a large audience. Because those outside South Africa's culture may adopt it, the
2018 value proposition is a potent instrument for drawing in many South Africans. In other terms, TM is
2019 also referred to as ethnic medicine or folk medicine and is also called supplemental or alternative
2020 medicine (WHO, 2008). The oldest type of healthcare system that has endured through the ages is
2021 native healing, or complementary and alternative medicine, according to other academics like Kala
2022 (2019). Humans have employed traditional treatment techniques for centuries to manage a variety of
2023 illnesses that have threatened their existence and survival (Khalil et al., 2022). TM is extensive,
2024 diverse, and culturally particular because a single, widely recognized definition does not exist.
2025 Nonetheless, the WHO has defined TM as the totality of knowledge, skills, and practices based on
2026 theories, beliefs, and experiences that are inherent to various cultures, whether or not they can be
2027 explained and used in the preservation of health as well as in the prevention, diagnosis, improvement,
2028 or treatment of physical and mental illnesses. Similarly, a traditional healer is someone a community
2029 may identify, locate, and recognize as qualified to administer healthcare utilizing natural remedies
2030 based on social, cultural, and religious practices that include plant, animal, and mineral ingredients
2031 (WHO, 2000:2).

2032

2033 Alternative medicine is another name for traditional medicine, which refers to using traditional
2034 techniques in public health. In other words, TM remains either an alternative to Western medicine or
2035 a balancing medical technique used with conventional treatment (Jansen et al., 2021). As a result,
2036 traditional therapies are commonly distinguished from Western biomedicine, also known as
2037 allopathy, conventional, systematic, orthodox, modern, normal, or Western medicine, in situations
2038 where they deviate (WHO, 2000:3). It is extremely difficult to group the wide variety of traditional
2039 healing practices under a fitting meaning since they draw from endlessly different historical and
2040 theoretical contexts (Kiringe, 2005).

2041

2042 The main argument of most researchers is that the African native medicinal notion does not concern
2043 the person inherently but rather the system as a whole (Moeng & Potgieter, 2011; Nzue & Pierre,
2044 2009). The point relates to the holistic African native medical paradigm, which does not distinguish
2045 between intellect and physical structure on a fundamental level. The knowledge, skills, and habits
2046 concerning TM are rooted in theories, viewpoints, and abilities that are unique to various ideologies
2047 and have a long history. These factors, which can all be understood or not, are used to prevent illness,

2048 identify it early, treat it, and maintain overall health (Mavundla et al., 2007). Evidence shows that
2049 traditional healers may occasionally look for specific plant life or new biological materials for
2050 particular conditions because various therapeutic cultures may have persisted and altered over many
2051 years.

2052

2053 In other words, as with Chinese, Indian, and African traditional medicines, various communities have
2054 created various indigenous therapeutic procedures categorized under traditional medicine. According
2055 to Maema et al. (2016), several governments in Africa, Asia, and Latin America have incorporated
2056 traditional medicine practices to help satisfy their basic healthcare needs. Approximately 80% of
2057 people in these regions use TM regularly. According to Abdullahi (2011), the rise in chronic illnesses
2058 and awareness of the limitations of modern Western medicine forced the development of traditional
2059 or complementary medicine. Also, there is the combined approach to therapeutic education,
2060 accumulating consciousness among doctors, and the tactic that conventional pharmaceutical
2061 arrangements are useful in specific situations (Abdullahi, 2011). The advanced superiority of
2062 traditional medicine's treatment methods has also been often cited as a major factor in advancing
2063 general health and patient happiness. A national policy and guideline for care, effectiveness, and
2064 balanced utilization of traditional medicines are a few essential conditions for the efficient use of
2065 ATMs, according to the WHO (2002). According to Rosendahl, Bödeker, Mössner, and Teich
2066 (2007:2), just 66 of the 213 WHO member nations have policies on traditional medicine.

2067

2068 In contrast, only 43 states have some laws, and 20 member states are in the process of drafting some
2069 regulatory rules. They have suggested that crucial elements, such as the classification of TMs,
2070 explaining the government's role in developing traditional medicines, and providing security and
2071 value guarantees for services and goods, be incorporated into any government-initiated policy. In line
2072 with WHO (2002), there is a need for regulation related to the providers of traditional medicines, the
2073 provision of training for traditional healers, and the promotion of appropriate consumption. Statistics
2074 show that just 50% of Africans have access to Western medical care, while the remaining 50% still
2075 rely on traditional medicine and plant remedies (WHO, 2002). Like traditional medicine, which uses
2076 verbal communication to convey information, ATM focuses on the "4,000 species employed in
2077 traditional medicine, which is primarily (90%) plant-based." In other words, at the moment, more
2078 than half of the African countries have clearly defined "traditional medicine policies," and most of
2079 them have established national divisions under the Ministry of Health and forward-looking
2080 development plans.

2081

2082 On the other hand, many traditional healing methods place a premium on religion, mysticism, and the
2083 spiritual world (Joshi & Joshi, 2000). The issue has become more pressing because, in most cases,
2084 African TM focuses more on the functioning of physical tissues and more on the psychological,
2085 somatic, divine, and expressive strength of the individual, of their family and community, as well as
2086 of their ancestors who are thought to be the protectors of the living (Heise et al., 2023). According to
2087 Elujoba et al. (2005), the basic, technical, and straightforward submission of plant, physical, or
2088 inorganic resources for curative dedications that may be studied, streamlined, and clarified
2089 systematically constitute the explicable form of traditional medicine. This TM approach was
2090 supported by the use of "Salix alba," the therapeutic herb for "fever and pains" that instructed the
2091 extraction of aspirin (WHO, 2000). These facts demonstrate how Western medicine substantially
2092 borrowed from the historical use of plants as medicines. The WHO (1991) defined herbal medicines,
2093 which directly fall under this category, as completed, labelled pharmaceuticals that contain aerial or
2094 underground components of known, verified plant materials, or combinations thereof, in either
2095 unprocessed form or as plant preparations. They also contain gums, fatty oils, essential oils, and plant
2096 liquids. Aspirin was not the only official modern drug that was created through conventional
2097 medicine; others include morphine, digoxin, quinine, ergometrine, reserpine, and atropine, to name a
2098 few (WHO, 2000). Orthodox medicine still uses these pharmaceuticals in contemporary hospitals
2099 worldwide (Elujoba et al., 2005). On the other hand, the unexplainable form of TM is the spiritual,
2100 extra-terrestrial, magical, occultic, mystical, or metaphysical form that is difficult to investigate,
2101 rationalize, or explain scientifically, such as the use of incantations for healing or oracular
2102 consultation in disease diagnosis and treatment. In other words, the explanation is incomprehensible
2103 to the average scientific human mind or intellectual capacity.

2104

2105 The TM practitioner or Traditional Healer is described as a person who is recognized by the
2106 community where he lives as competent to provide health care by using herbs, animal and mineral
2107 substances, and certain other methods (WHO, 1991). There are many healing roles a traditional healer
2108 can execute, including that of a nurse, pharmacist, physician, dentist, midwife, and dispenser. An
2109 expert TM practitioner is also considered an herbalist, bone setter, traditional psychiatrist, traditional
2110 pediatrician, traditional birth attendant, occult practitioner, herb seller, general practitioner, and so
2111 on. Furthermore, they are also and certainly more readily available, accessible, and approachable than
2112 the orthodox physicians. At the same time, their services are much more affordable to local
2113 communities than modern medical facilities (Ndawonde, 2006). Some traditional healers can easily
2114 diagnose and manage various common diseases at the primary healthcare level with various herbal
2115 dosage forms. They do so using concoctions, decoctions, infusions, dried powders, ointments,
2116 tinctures, and macerates, which makes them much closer to the community than the orthodox doctors

2117 who are mainly found in urban healthcare locations (Elujoba et al., 2005). Looking at these medicines'
2118 posology, Loundou (2008) confirms that TM practitioners administer these medications through
2119 various routes such as oral, rectal, intra-uterine, sub-cutaneous, external, or topical applications.
2120 Whether the government has approved TM or not, it continues to play a very significant role in the
2121 medical and dental primary healthcare implementation in Africa and other developing countries of
2122 the world, most especially in the rural areas, which cover almost 80% of the entire population
2123 (Mabogo, 1990). The WHO has since urged developing countries to utilize TM resources to achieve
2124 Primary healthcare goals. This injunction stems from the various advantages of TM: low cost,
2125 affordability, ready availability, accessibility and adequacy, and perhaps low toxicity.

2126

2127 An illustration by Joshi and Joshi (2000) confirms that the Nepal people who live in the Kali Gandaki
2128 watershed rely on traditional remedies for their basic medical needs. The majority of complex
2129 illnesses and other misfortunes are attributed to supernatural causes. This occurs, as Flint (2015)
2130 acknowledges, due to soul loss, spells or curses cast by evil spirits, the displeasure of ancestral gods,
2131 or the breaking of religious taboos considering the deeply ingrained traditional beliefs and practices.
2132 Nepalese herbalists and faith healers, or "jhankri," play a significant role in tribal medicine (Mabogo,
2133 1990). This is because they use various ritual systems in conjunction with magical and religious acts
2134 as a first step in determining the cause and course of a disease. In other words, they employ traditional
2135 techniques to find the medicinal resources the locals have discovered, such as their incredible
2136 understanding of plants and how to use them to cure various physical diseases. According to Fukudze
2137 et al. (2023), those who utilize TM in this region frequently demonstrate an understanding of the
2138 relationship between toxicity and administered dose, such as when discussing the ripe yellow fruits
2139 of *Melia azedarach*, which are thought to have some utility as an anthelmintic in modest quantities.
2140 Large consumption of these fruits, however, may result in nausea, vomiting, and asphyxia. (Jamloki
2141 et al., 2022). In the same context, Loundou (2008) notes that *Datura stramonium* leaves are said to
2142 treat asthma in moderate doses but induce vomiting when consumed in large doses. Both men and
2143 women can use TM, although women are more knowledgeable about medicinal herbs than men. This
2144 sounds to be the case in South Africa since Flint (2015) agrees that women are more frequently
2145 responsible for maintaining the health of the family's members, primarily the children, as well as the
2146 agroecosystem and woodlands.

2147

2148 According to Hailemariam and Mekonen (2021), there is also a growing interest in understanding
2149 why and how traditional populations use animals as medicines. Frequently, this is due to the evolution
2150 of the empirical base through generations and scientific validation. However, the historical,
2151 economic, sociological, anthropological, and environmental dimensions of such a practice are the

2152 ones that receive the most attention. Depending on the level of harvesting, African healers and
2153 indigenous people have been gathering remedies from local plants and animals for millennia without
2154 endangering the population dynamics of the species. (WHO, 2001).

2155

2156 Plants and animals must be protected so that TM and IKS can progress; otherwise, a reduction in
2157 traditional knowledge and IKS severely impacts modern medicine's advancement. Medical folklore
2158 has long been recognized as a helpful resource for screening important modern medications identified
2159 by following leads from traditional applications (Dias et al., 2012). Due to the majority of
2160 communities rapidly losing their socioeconomic and cultural traits, it becomes urgently necessary to
2161 chronicle the IKS of human communities. Medicinal folklore over the years has proved to be an
2162 invaluable guide in the present-day screening of important modern medicines discovered by
2163 following leads from folk uses (Elamaram, 2020). Given this, it is evident that the IKS of human
2164 communities should be documented, mainly because most communities are rapidly losing their
2165 socioeconomic and cultural characteristics. Therefore, Kale (1995) believes that traditional
2166 knowledge and cultural environmental resources must be protected, especially in light of
2167 globalization and the rising demand for natural resources. Again, traditional knowledge is useful for
2168 modern medicine, agriculture, and other fields in addition to people directly associated with it.
2169 Protection of traditional knowledge, in line with WHO (2020), can also increase awareness of the
2170 knowledge and those who hold it. This has ramifications for preserving customs within communities
2171 and the relationships created outside communities.

2172

2173 On the other hand, conventional medicine is overlooked and even ignored in several countries,
2174 including SA. According to Hassim et al. (2007) and Flint (2015), the advancement of biomedicine
2175 by colonial powers led to the downgrading and abolition of TM in Africa. As a result, apartheid
2176 policies consistently dismissed TM as being undeveloped and unscientific, a condition that has been
2177 widespread in South Africa. Despite colonialism and apartheid's marginalization of TM, today, a
2178 sizable portion of South Africans in rural areas and marginalized populations still rely on it for their
2179 healthcare (van Vuuren et al., 2015). Due to their historical importance in traditional communities
2180 and the growing number of traditional healers in South Africa, their contribution to the public health
2181 system must be supported. The extent to which ATMs can form an essential component of formalized
2182 healthcare, based on their merits, is still hotly debated (Ozioma and Chinwe, 2019). However, the
2183 good thing is that policymakers have started to be more open and considerate of the role that ATMs
2184 can play as part of a wider attitude toward the practice of medicine.

2185

2186 Globally, Africa and South Africa, in particular, must overcome obstacles and hurdles regarding
2187 traditional medication to fully realize the goal of guidelines, normalization, and inclusion of such
2188 medicine. According to Abdullahi (2011: 190), the most horrifying obstacle remains the Western
2189 hegemonic mindset's ethnocentric and medico-centric tendencies, typically displayed by most
2190 stakeholders in modern medicine. In the therapeutic sphere, there is a widespread belief that TM
2191 contradicts technical measures regarding objectivity, dimension, systematization, and categorization
2192 (Mothibe and Sibanda, 2019). There are indications, though, that the physical characteristics of
2193 conventional treatment can be systematically analyzed and studied.

2194

2195 Traditional medicine encompasses both the material and spiritual worlds. According to Appelbaum
2196 (2015), for instance, in the South African cultural setting, the spiritual realm may not be subject to
2197 scientific examination using the traditional scientific methods of investigation. Therefore, the largest
2198 issue is figuring out how to objectively analyze the spiritual component of South African traditional
2199 medicine, like the "*ukuhlabelela*" (incantation) among the Zulu people. Furthermore, Abdullahi
2200 (2011) adds that given the ethnocentric tendencies in contemporary medicine, it is vital to have a
2201 person who will train medical doctors in the ontology, epistemology, and efficacies of African TM if
2202 integrated. Given the inherent epistemological and ideological disparities between the two types of
2203 medicine, this illustrates the importance of knowing the person who will assess the usefulness and
2204 effectiveness of conventional medicine. Therefore, Heinze and Weber (2016) argue that these
2205 problems push other researchers to propose that mutually traditional medication and pluralistic
2206 treatment be permitted to function, grow, and blossom autonomously. Abdullahi (2011) maintains
2207 that the Western people did not develop their medical aspect to integrate it with anyone else. Theirs
2208 was to make themselves and the rest of the world live a healthy life. The above assertion, according
2209 to Pretorius (1999: 253), indicates that if traditional medicine is drafted into contemporary
2210 medication, it can validate and endorse the hegemony or dominance of Western medicine, risking the
2211 uniqueness and reliability of customary treatment in Africa.

2212

2213 The numerous reported instances of pretentious therapists and therapies, which are not just limited to
2214 traditional treatment training as a whole, present another ultimate challenge to traditional treatment.
2215 According to Nakazwe-Masiya et al. (2017), since skilled therapists may be providing valuable
2216 services to several South Africans, it may be common to spot impostors among the practitioners.
2217 Pretorius (1999: 253) endorses the aforementioned viewpoint and states that "there is a marked
2218 increase in the ranks of traditional healers, among whom there are, sadly, quite a few charlatans, in
2219 the current economic climate and amid the concomitant unemployment." Last but not least, the spread
2220 and globalization of Western beliefs, ideologies, and events in Africa are disrupting the practice of

2221 traditional medicine. Ozioma and Chinwe(2019) found a strong skepticism toward African traditional
2222 medicine and flora in some African populations, especially among the affluent elites. To illustrate
2223 this, D'avigdor et al. (2014) find that in Ethiopia, both rural and urban societies have experienced
2224 considerable barriers to traditional medicine, claiming both favourable and unfavourable ways.
2225 Similarly, Kiringe (2005) notes how Western education and beliefs impact the use of traditional
2226 medicine in Africa in general, particularly in South Africa.

2227

2228 Additionally, Kiringe (2005) points out that the Western doctrine of Christianity promoted
2229 communication through the global community, which has evolved into an important component of
2230 communal spaces. The teachings forbade communal mores, which sometimes affected people's
2231 behaviour or entirely banned them. This situation illustrates how the advent of Western values, which
2232 were prevalent in many South African community areas, had an extremely negative impact on the
2233 position of TM.

2234

2235 **2.12 Traditional Medicine in South Africa**

2236 Most Africans, especially South Africans, use traditional medicine to remedy health problems. Andile
2237 (2020) contends that traditional African healers must maintain the accuracy of their therapeutic
2238 modalities. To create an inclusive health system in South Africa, African traditional practitioners
2239 must firmly support the country's approach to tackling healthcare issues. Flint (2015) claims that
2240 conventional doctors can only fully contribute if the governmental policy acknowledges the
2241 importance of TM in the established public health care system. Even those considering its basic tenets
2242 continue to classify TM as alternative or supplementary by healthcare professionals and
2243 policymakers. Similarly, people operating within the biomedical paradigm gradually value South
2244 African traditional medicines, yet both systems are still primarily understood as secondary to
2245 biomedicine, considering their importance (Cheung and Leung, 2020).

2246

2247 The value of IKS determines the rate of TM. Mazzocchi (2006) states that proper analysis of the
2248 importance and applicability of IKS in a particular circumstance depends on how well we understand
2249 its contextual setting. Local ecological, cultural, and social settings are primarily involved in this.
2250 Nevertheless, in today's globalized world, local knowledge and its application must coincide with
2251 implementing policies. Hence, the complete cultural, ecological, policy, and social context is a
2252 prerequisite for applying knowledge and its evolution (Finn et al., 2017).

2253

2254 Similarly, Saslis-Lagoudakis et al. (2014) discuss the significant influence of the environment on the
2255 development of traditional knowledge. As an illustration, research conducted in Nepal (Kunwaret et
2256 al., 2016) confirms that the environment can enormously shape medicinal plant use in indigenous
2257 cultures because similar plants always employ analogous plant medicines. Plant availability within
2258 resident populations in South Africa significantly impacts local medicinal flora, cultural aspects, and
2259 environmental diversity (Nascimento et al., 2016). Yet, by comprehending the determinants of
2260 traditional medicine and the significance of cultural and ecological diversity in TM, one may lay the
2261 groundwork for its preservation and anticipate how future government policies will use it.
2262 Accordingly, various social groups of TM practitioners have been documented in South Africa to
2263 describe them and assign them some responsibilities.

2264
2265 For instance, in Durban, KwaZulu-Natal Province, Puckree, Mkhize, Mgobhozi, and Lin (2002)
2266 investigated the social background of Zulu traditional healers, including spiritualists and herbalists to
2267 document their roles as TM practitioners. This connected to TM practitioners as diviners, the overall
2268 number of patients who consult them, the types of ailments they treat, and those who were treated.
2269 These researchers' findings confirmed that most patients preferred to consult a traditional healer for
2270 physical and mental diseases, with spiritualists being the most common type of healer sought for both
2271 conditions. Additionally, Bereda (2009) explained the duties of VhaVenda customary health-giving
2272 as a scheme for health protection provision in the Vhembe district, Limpopo Province. The researcher
2273 specified that the majority of male spiritualists are often consulted for the treatment of a variety of
2274 ailments, including asthma, diabetes mellitus, hypertension, tuberculosis, and sexually transmitted
2275 infections. Bereda (2009) mentioned that most patients consult traditional healers for diseases,
2276 including potentially life-threatening conditions. This implies that healthcare professionals should
2277 proactively integrate traditional healing with Westernized practices to promote healthcare for all
2278 South Africans. Material medicals are also another aspect of the veracity of TM. Research conducted
2279 by Mabogo (1990) in Vhembe highlights the role of VhaVenda traditional healers and their
2280 substantial medicals. Both herbalists and diviners have a strong influence on the treatment of
2281 numerous human diseases, including sexually transmitted diseases, infections (STDs/STIs) as well as
2282 tuberculosis. So far, analysis of diseases has mainly concerned the exhibition of symptoms and,
2283 occasionally, traditional rituals. Regarding their herbal remedies, Mabogo (1990) noted that TM
2284 practitioners could prepare them from a collection of more than fifty local plants.

2285
2286 Another point is that traditional healing is a gender-based procedure, though in some societies, both
2287 men and women express their interest in TM and work in it. Loundou (2008) researched KZN and
2288 concluded that nearly two-thirds of his interviewees were men, connecting with other countrywide

2289 studies. For instance, in the Limpopo Province, Bereda (2009) also noted that traditional male healers
2290 dominated females in the Vhembe district, where the Vha Venda dominates. Similarly, Moeng and
2291 Potgieter (2011) confirm that traditional male practitioners controlled the trade in medicinal plants in
2292 the Capricorn, Sekhukhune, and Waterberg districts. These examples depict how involvement in TM
2293 remains highly partial, perhaps because these males are the breadwinners of their families. Besides,
2294 males may be dominant because they are physically fit to collect medicinal plants, such as those found
2295 in forests and mountains, since it is a risky exercise for women. In the Western Cape Province of
2296 South Africa, Loundou (2008) asserted that males dominate in this field because some plants are
2297 located on private land, making collecting medicinal plants highly risky for females. Research by
2298 Ndawonde (2006) found that traditional healers in Cape Town are between 41 and 60 years old. In
2299 KZN, he found it was 45-54 among the Zulu traditional healers. On the side of the Xhosa traditional
2300 healers, Nzue and Pierre (2009) stated that males and females residing in the Western Cape Province
2301 of South Africa were between 41 and 50.

2302

2303 Furthermore, Ndawonde (2006) confirmed that this age bracket is dominant because men seek money
2304 for their children's education and to support their families' basic livelihood needs. In light of the low
2305 life expectancy for South African males and females, the prospects for protecting IK might be at risk.
2306 This necessitates an urgent and rapid action: to record any IK related to this industry.

2307

2308 The small number of Bapedi traditional healers between 30 and 40 years of age probably indicates a
2309 lack of interest in this profession or is perhaps symptomatic of a transition (Nzue & Pierre, 2009).
2310 Many health-related problems treated by Bapedi traditional healers in the low-income rural areas of
2311 the Limpopo Province strengthen the fact that traditional medicine and traditional health practitioners
2312 represent the first line of healthcare for most people in this province (Bereda, 2009). Furthermore, the
2313 diversity of ailments treated indicates that medicinal plants have the potential to satisfy the varied
2314 healthcare needs of underprivileged villagers of the Limpopo Province. Most of the ailments treated
2315 by healers, as found by Peltzer and Pengpid (2019), including "chlamydia, diabetes mellitus,
2316 diarrhoea, epilepsy, erectile dysfunction, eye infection, gonorrhoea, HIV/AIDS, hypertension,
2317 malaria, menstrual disorder, mental illness, and tuberculosis, are common amongst the healers of
2318 other ethnic groups in South Africa".

2319

2320 Regarding the education factor, most traditional healers have no sufficient formal education (grades
2321 1 to 12) (Howard, 2020). Society is losing its cultural identity through Westernization, making a small
2322 portion of TM practitioners attend school. This agrees with Mabogo (1990) regarding the Venda
2323 region and Yineger and Yewhalaw's (2007) study in The South-West of Ethiopia. A study in

2324 KwaZulu-Natal by Semanya and Potegetter (2014) differed from the above study and found that all
2325 Zulu traditional healers had attended school, while 20 percent even had a university degree or
2326 diploma. Likewise, Nzue and Pierre (2009) noted that half of the Xhosa traditional healers had
2327 attended secondary school, 35% had attended primary school, and 3% had attended tertiary
2328 institutions. The low level of education amongst Bapedi traditional healers compared to the above-
2329 mentioned South African cultures indicates fewer younger and older Bapedi healers. This special case
2330 of Bapedi should apply to all South African TM practitioners; otherwise, IK in Africa and South
2331 Africa in particular needs documentation so that it does not fall into oblivion. IK has a lot of material
2332 and information to protect and study deeply for the noticeable advancement of medicine in South
2333 Africa and Africa in general. Nzue and Pierre (2009) noted that educational skills are very important
2334 for TM practitioners nowadays because they can empower them with particular competencies.
2335 Howard (2020) confirms that one aspect of education is reading, a crucial skill for counselling, and it
2336 helps in understanding the necessity of conserving and managing natural resources. Thus, initiating
2337 programs such as Adult Basic Education and Training (ABET) is important for empowering more
2338 traditional healers in South Africa. Basic educational skills such as writing and reading for traditional
2339 healers can broaden their knowledge regarding conservation issues related to protected and threatened
2340 species and medically related issues such as diagnoses and treatment of ailments (Maema et al., 2016).
2341 Greater levels of education and awareness could contribute to the long-term sustainability of this
2342 highly important profession across all the communities in South Africa.

2343

2344 **2.13 Gaps in The Literature**

2345 The sections developed in the above literature confirm breaches in IKS policy regarding promoting
2346 TM in South Africa. The South African strategies about the developmental policy of TM do not
2347 integrate IKS as an implementation plan because governmental departments do not have enough
2348 information regarding ATM developmental strategies. Conversely, previous research on the South
2349 African National IKS Policy (2004), with special reference to TM and healing practices, demonstrates
2350 the need for such knowledge within the South African medical system (Mander et al., 2007; Chali et
2351 al., 2021). This indicates that the IKS can easily boost TM because they work hand in hand, which
2352 can play a significant role in the country's medical domain. Moving away from conceptualizing the
2353 effectiveness of traditional medicine in healing, the South Africans who consult traditional healers
2354 reflect that medicine still needs deeper exploration. Such consideration seems massively needed
2355 countrywide because IKS remains a major route through which TM can emerge beyond where it is
2356 currently. In other words, the beneficiaries of traditional healing, particularly those who gain support
2357 from modern medicine, can also learn more about the IKS. In addition, such learning can also mean

2358 equipping the traditional healers with appropriate formal education to develop important skills. Such
2359 skills like reading and writing can also boost good ways of getting reliable information and protecting
2360 IK in South Africa. Education can also allow them access to modern technological information, open
2361 up, and connect with other communities worldwide, which is a good way of exchanging ideas
2362 regarding TM practices. Another important point is that while curing patients, traditional medicine
2363 gains its standing as the primary therapeutic method because it is rooted in the people's experience
2364 of medico-therapeutic satisfaction in a purely traditional context.

2365

2366 Therefore, this research aims to provide those missing parts through the information collected on the
2367 field. Moreover, IKS policy (2004) aspires to incorporate TM in sustainable development and
2368 community livelihood and to assist Africa in contributing actively to the global pool of understanding
2369 on its terms and not those others dictate them. It is worth indicating that the implementation of the
2370 IKS policy has faced many challenges, and this study also looks at that. Therefore, this research
2371 ponders ATMs in public healthcare in KZN with special reference to the districts of uGu and
2372 uMkhanyakude.

2373

2374 **2.14 Chapter Summary**

2375 This chapter has discussed the literature by probing the concept of indigenous knowledge in South
2376 Africa. It has demonstrated that IK is a whole information system with its worldview, knowledge,
2377 and value systems. Information knowledge must also consider the production, administration, and
2378 protection processes, including knowledge, skill sets, technological innovations, and belief and value
2379 systems. Local and traditional communities can develop environmentally and culturally significant
2380 aspects related to IK and pass them orally from one generation to the next for survival. Given their
2381 significance, particularly in the healthcare industry, these features require protection.

2382

2383 To fully understand and apply Indigenous Knowledge (IK) as a domain and system, it is crucial to
2384 grasp its unique historical, cultural, and ecological characteristics. In both South Africa and within
2385 the framework of the World Health Organization (WHO), such precision is essential. African
2386 traditional practitioners need to strongly support the government's strategies for addressing healthcare
2387 challenges, which can foster inclusivity. Likewise, these practitioners must ensure the accuracy of
2388 their treatment methods. In other words, government policies should integrate traditional medicine
2389 (TM) into the existing public healthcare system. This integration may encourage traditional
2390 practitioners to support the national healthcare system. For local users to benefit from their IK, it is
2391 imperative that both South Africa and the WHO recognize and value of local traditional medicine and

2392 healing methods. Consequently, this chapter has provided a global review of the literature on the
2393 WHO and traditional medicine worldwide, while considering the historical context of the IKS policy.
2394 Additionally, it has discussed the post-apartheid legislative frameworks in South Africa that govern
2395 traditional healthcare providers, the national record IK holder catalogue procedure, and traditional
2396 medicine.

2397

2398 In addition, it has also discussed the acknowledgement of prior learning, the IKS policy and
2399 ecosystem, and the contestations surrounding African IKS. This suggests that IKS requires assistance
2400 because many native medicinal plants are commercialized, yet the local populations who look after
2401 them seldom profit from such trade. It is also obvious that society does not preserve many of these
2402 plants, which implies that their protection could increase their commercialization and usefulness for
2403 their users' improved healing.

2404

2405 Traditional practitioners also need education to effectively interact with the local communities and
2406 share their natural environment. They can thus connect with the rest of the world to exchange ideas,
2407 and learn more about the need to safeguard medicinal plants. In addition to addressing the many value
2408 propositions of TM and public health, the chapter finally highlighted the gaps in the existing literature
2409 on Indigenous Knowledge Systems (IKS) and TM.

2410

2411

Chapter Three: Conceptual and Theoretical Frameworks of the Study

3.1 Introduction

This chapter provides the theoretical framework that underpins the research process. Before embarking on the theories that guide this research, key concepts central to the study are highlighted and their relevance to the study is discussed in detail. The theoretical foundation of the study is built upon the Social Cognitive Learning Theory, the Theory of Public Policy, the Rational Theory, and the Policy Implementation Theory.

3.2 Conceptual and Theoretical Frameworks of the Study Research Process

The development of any research project requires a contextual framework that provides a foundation for its progress. Mensah et al. (2020) contend that conceptual and theoretical frameworks establish the direction of the research process by anchoring it in theoretical constructs, thus making the findings more meaningful and acceptable within the relevant research field and ensuring generalizability. These frameworks provide direction and motivation for research inquiries and infuse vitality into the research process (Imenda, 2014; Mensah et al., 2020).

Grant et al. (2022) define a theoretical framework as a 'blueprint' often used to guide or construct their research inquiries. It is a framework based on an existing theory in a related field of inquiry that reflects the study's hypotheses. It consists of concepts and their definitions and existing theories or theories employed in the study. Consequently, a theoretical framework serves as the foundation for constructing research. It is believed to simultaneously convey the researcher(s)' deepest values while providing an articulated lens for processing new knowledge. According to Collins (2018) and Ravitch & Carl (2019), a theoretical framework exists at the intersection of three components: (i) existing knowledge and previously formed ideas about complex phenomena; (ii) the researcher's epistemological dispositions; and (iii) a methodical and analytical approach. Working through these three components makes theory a valuable tool for enhancing the coherence and depth of a study.

Perrin et al. (2019:35) assert that theories explain the meaning, nature, and challenges of a phenomenon often experienced but not explained in the world around us, allowing us to use that knowledge and understanding to act more effectively and intelligently. Therefore, theories are developed to explain, predict, and understand phenomena and, in many cases, to challenge and extend existing knowledge within the bounds of critical assumptions (Darnell, 2020:398). According to Hughes et al. (2019), one of the primary benefits of theories is that they provide a broader epistemological and logical framework for understanding the presented knowledge in the research

2446 study (Proctor et al., 2013). For instance, the current study investigated the knowledge and
2447 perceptions of African traditional medicine practitioners and their clients regarding the
2448 implementation of the National IKS Policy (2004) within the context of traditional medicine in South
2449 Africa, with special reference to uGu and uMkhanyakude District Municipalities in KwaZulu-Natal
2450 Province, South Africa.

2451
2452 Therefore, the purpose of the theoretical framework in this study was to interrogate the theoretical
2453 conceptualizations and models presented by other researchers and scholars that are relevant to the
2454 current research study. As such, the study tried to incorporate these theoretical frameworks to guide
2455 the research process, including data collection, data analysis, and interpretation of study results (the
2456 meanings contained in the research data). For instance, Mensah et al. (2020) indicate that the
2457 conceptual and theoretical framework of a study is an amalgamation of the thoughts of giants in a
2458 field of research and the way the study uses those frameworks to understand and interpret the research
2459 data (Kivunja, 2018; Ravitch & Carl, 2019).

2460
2461 Crawford (2020) distinguishes between the conceptual and theoretical frameworks by positing that
2462 the former presents the study's overall structure, while the latter explains the relationships the study
2463 aims to investigate. The theoretical framework, therefore, is the structure that upholds or supports a
2464 theory of a research study. It introduces and describes the theory that explains the existence of the
2465 research problem. On the other hand, the conceptual framework serves as an instrument to analyze
2466 the variables or concepts and their interactions, providing a comprehensive understanding of a
2467 phenomenon. Akintoye (2015) and Ridder (2017) state that researchers develop and employ theories
2468 to explain phenomena, establish connections, and make predictions, thus making research findings
2469 more meaningful and generalizable. Researchers develop theories to explain phenomena, draw
2470 connections, and predict outcomes (Mueller & Urbach, 2017; Kivunja, 2018).

2471
2472 For instance, public health practitioners and researchers often aim to influence public policies to
2473 improve population health and reduce health disparities. However, these efforts frequently do not
2474 draw upon empirically-based theories about policy-making and medicine that have been developed
2475 in health and political science. This glossary provides a concise overview of some of the most popular
2476 theories, describing how each frames the policy-making process, depicts the relationships and
2477 influence of specific policy actors, and portrays the potential for policy change (or inertia). Examples
2478 of how these theories have been applied to public health are included to enhance understanding of the
2479 material presented. This thesis emphasizes the implications of these different theories for public
2480 health researchers and advocates seeking to inform policy decisions. The glossary aims to provide an

2481 accessible overview of key policy and decision-making theories to support public health efforts to
2482 achieve healthier implementation of public policies. Policy implementation is translating a policy into
2483 actions and assumptions into results through various projects and programs, involving transforming
2484 physical, financial, and intellectual resources into service delivery outputs in the form of facilities
2485 and services (Sager & Gofen, 2022). Policy implementation theory seeks to explain and generalize a
2486 complex policy process. While useful ways to describe and explain policy implementation have been
2487 developed, many concepts are aimed at an academic audience rather than practitioners.

2488

2489 Social and political scientists have developed numerous approaches, theories, and models to study
2490 policy implementation in the context of traditional medicine. This section discusses the theoretical
2491 approaches that are particularly relevant to public policy implementation in the context of traditional
2492 African medicine. The cyclic/stages model is one such approach that provides a structured framework
2493 for analyzing public policies.

2494

2495 Drawing from the aforementioned discussions and the review of existing literature, the study
2496 identified key concepts central to the study's problem statement and research questions. As Imenda
2497 (2014) and Varpio et al. (2020) highlight, the theoretical framework must provide clear definitions
2498 for such concepts as they often have multiple interpretations. To achieve this, the study utilized
2499 relevant approaches in conducting a thorough literature review to ascertain how other researchers
2500 defined and established connections between the identified concepts. As Proctor et al. (2013)
2501 recommended, the study selected the definitions that best suited its purpose and provided a
2502 justification for such choices. Additionally, the study examined established theories and models that
2503 did not apply to its research questions and explained why they were unsuitable. Finally, as emphasized
2504 by Boas (1920:312), the theoretical framework illuminates how the study applies the aforementioned
2505 ideas. Ultimately, theories play a crucial role in interpreting research findings, evaluating theoretical
2506 challenges, and integrating study results.

2507

2508 In addition, as per Borsboom et al. (2016), a theory refers to a mental construct that parallels specific
2509 groups of entities by integrating their essential characteristics. In the context of the present study, a
2510 theory elucidates and reinforces perspectives on how individuals can comprehend the socio-cultural
2511 factors that influence the practice of traditional medicine in local communities. Traditional medicine
2512 encompasses knowledge and beliefs incorporating plant, animal, and mineral-based medicines,
2513 spiritual therapies, manual techniques, and exercises administered singularly or combined with
2514 curing, diagnosing, preventing illnesses, or maintaining well-being (Igwilllo et al., 2019).

2515

2516 In this context, socio-cultural beliefs and behaviours towards traditional medicine among older
2517 citizens' peers must be comprehended. Therefore, in line with this thinking, this study sought to
2518 explore the use of traditional medicine in the rural areas of KwaZulu-Natal. This took into
2519 consideration the fact that the practice of African traditional medicine, holistically, encompasses
2520 knowledge and beliefs that incorporate plant, animal, and mineral-based medicines, spiritual
2521 therapies, manual techniques, and exercises administered singularly or in combination to cure,
2522 diagnose, prevent illnesses, or maintain well-being (Pemunta & Tabenyang, 2020b).

2523

2524 Most of these factors are grounded in the socio-cultural milieu that shapes the attitudes and dedication
2525 of traditional healers (Hlatshwayo, 2017), who become familiar with various traditional belief
2526 systems through social adaptation within the community (Marvin, 2019). In this context, socio-
2527 cultural beliefs and behaviours towards traditional medicine among older citizens' peers must be
2528 comprehended. Therefore, in line with this thinking, this study sought to explore the use of African
2529 traditional medicine in the rural areas of KwaZulu-Natal Province.

2530

2531 **3.3 Understanding the Key concepts guiding the study**

2532 Caballero-Serrano et al. (2019) note that there are diverse conceptualizations of Traditional Medicines
2533 (TM), which are culturally and ecologically specific. For instance, Pemunta and Tabenyang (2020)
2534 look at TM as the health practices, approaches, knowledge, and beliefs incorporating plant, animal,
2535 and mineral-based medicines, spiritual therapies, manual techniques, and exercises, applied
2536 singularly or in combination to treat, diagnose and prevent illnesses or maintain well-being.
2537 According to the World Health Organization (WHO, 2004), Traditional medicine (TM) is the total
2538 sum of knowledge, skills, and practices based on the theories, beliefs, and experiences indigenous to
2539 different cultures, whether explicable or not, used in the maintenance of health and the prevention,
2540 diagnosis, improvement or treatment of physical and mental illness. It has incorporated much
2541 empirical knowledge combining physical, mental, emotional, or social well-being. It reflects the
2542 cumulative body of local knowledge passed onto generations by oral transmission through traditional
2543 health practitioners (THPs) and knowledge holders (Sackey and Kasilo, 2010). Shewamene et al.
2544 (2020) add that this conceptual framework of TM embraces a range of practices, from the well-
2545 established indigenous concepts and practices of wellness in local communities to formal and
2546 structured systems of TM development and practice. It also recognizes and promotes the distinction
2547 between traditional medicine, as understood and practiced by indigenous people, and complementary
2548 medicine, which may not be indigenous but adopted in many countries as a set of practices and
2549 interventions to promote health and well-being (Payyappallimana, 2010).

2550

2551 WHO (2023) emphasizes that TM services that are evidence-based, safe, and of assured quality are
2552 valuable in contributing to a holistic patient-centred approach to healing, health, and well-being. An
2553 increasing body of evidence across cultures and world regions has shown that the relationships among
2554 health, the pace of healing, and more intangible elements of the caring process, including the
2555 empowerment of patients, play a central role in their care. There is also growing evidence that other
2556 factors, aside from pathophysiological processes and biological agents, have important effects on
2557 health-care outcomes – such as the interaction between an individual’s social, economic, cultural,
2558 linguistic, psychological, and physical environments, on the one hand, and biological susceptibility
2559 to illness and responsiveness to treatment and the nature of the care process, as well as its content, on
2560 the other. Cultural-based Practices in TM empower individuals and communities to actively
2561 participate in their health and prevent disease through daily activities and practices that are amenable
2562 to self-care, cost-effective, minimally invasive, and have limited side effects. Central to these
2563 approaches are primary prevention and measures that can help maintain health throughout life,
2564 improving quality of life rather than just a care-based approach focused on episodic care (Riegel et
2565 al., 2017).

2566

2567 Mothibe & Sibanda (2019) look at African traditional medicine (ATM) as having a holistic view of
2568 healthcare involving extensive use of physiotherapy and herbalism, sometimes combined with some
2569 aspects of African spirituality. In African Traditional Medicine (ATM), disease is often seen as the
2570 failure of complex physical, social, and spiritual relationships. Therefore, a diagnosis starts with
2571 examining both human and supernatural interactions. For instance, when the disease is mystical, ritual
2572 diagnosis is a fundamental part of the African traditional healing process for re-establishing social
2573 and emotional equilibrium (Adu-Gyamfi and Anderson, 2019). Particularly, the philosophical clinical
2574 care embedded in African traditions, culture, and beliefs has made ATM practices acceptable and
2575 highly demanded by African people across continental cultures and regions. The WHO (2022)
2576 estimates that about 80 percent of the African population depends on TM for primary healthcare.
2577 (Hitziger et al., 2017) indicate that compared to modern Western practitioners, African Traditional
2578 Practitioners (ATPs) interact very differently with their patients, using a more patient-centered
2579 communication style, to reach common ground with sick persons. It is also more accessible,
2580 affordable, and culturally acceptable.

2581

2582 According to the holistic perspective of ATM, a patient's external and internal environments are
2583 considered to understand, prevent, and treat diseases. Divergent from the principle of conventional
2584 medicine, ATM uses commonly natural products. The advantage over synthetic compounds rests on

2585 their intrinsic potential to provide mild healing effects and induce fewer side effects (Egbuna et al.,
2586 2020). Meanwhile, in both ATM and conventional medicine, the foundation of disease treatment
2587 relies on the correspondence between the clinically active compounds and their biological targets at
2588 the molecular level (Kamsu-Foguem et al.,2013). The diversity of Indigenous knowledge systems on
2589 ATM is mostly tacit and, therefore largely shared in an unstructured format.

2590
2591 Charman et al. (2017) conceptualize African traditional medical practices as predominantly an
2592 attribute of people in the informal economy (IE). The challenge is how to shape policies and programs
2593 to exploit the informality and ensure the advancement of TM through innovation and with an
2594 appropriate and facilitative Intellectual Property (IP) system.

2595
2596 The study was also interested in interrogating the public policy conceptualization within the context
2597 of traditional medicine. This was based on several considerations:

2598
2599 The advent of modern Information and Communication Technologies (ICT) and the establishment of
2600 a global “Information Society” are forcing countries worldwide to take a fresh look at their
2601 development agendas in line with developmental challenges, including public health imperatives.

2602
2603 Origa (2019) indicates that the ideal policy model is often presented as a neat linear process starting
2604 from problem identification, setting policy objectives, creative alternative options, gathering
2605 information on options, applying analysis, and implementing policy choices. However, it is not
2606 always this neat and linear in real life. Real-world policymaking happens in a world of constraints,
2607 and many of them, including public health constraints, eventually become the objectives of
2608 policymaking.

2609
2610 The policy process is the often dynamic and complex path the government takes to provide a solution
2611 to a socio-economic problem or concern facing its citizens. Public policy has been defined differently
2612 as a purposive action undertaken by the government to deal with a problem or matter of concern (Dye,
2613 2010; Origa, 2019). The policy can either have instrumental or symbolic dimensions—the
2614 instrumental perception of policy as a rationally prescribed solution to a perceived social problem.
2615 On the other hand, the symbolic perception of public policy sees it not simply as governmental action
2616 based on a rational response to a societal problem but more as an instrument of invoking emotions,
2617 public interpretation, and perceptions of a societal problem (Birkland, 2010; Origa, 2019).

2618

2619 In South Africa, the public policy framework aims to regulate policy management processes in the
2620 country by codifying policy-making practices and entrenching evidence-based policy-making.
2621 Further, it seeks to guide officials on policy analysis, policy development, policy authorization, policy
2622 implementation, and policy reviews. Gautier and Ridde (2017) identify the policy-making process in
2623 South Africa as involving the following five stages: agenda setting or emergence, formulation,
2624 adoption, implementation and administration, and evaluation. The institutions involved include the
2625 National Assembly and the NCOP. A provincial legislature must ensure public involvement in the
2626 legislative and other processes of the legislature and its committee in a regulated manner. Lastly, the
2627 local sphere of government consists of municipalities that have been established around South Africa.

2628
2629 However, one important aspect of the public policy debate, which is in line with this study, is the role
2630 of citizens in the public policy-making process, across all phases of policy-making, about public
2631 participation in the process. To what extent is the policy process democratic, measured in terms of
2632 bottom-up orientation and public participation? This is the persistent debate between proponents of
2633 rationalism and post-positivism in policy analysis. For instance, post-positivism advocates for
2634 participatory policymaking to address the possible abuses of top-down approaches to policymaking.
2635 This shifts the power base from top-level prescribed solutions to adopting solutions proposed by the
2636 policy targets, whether ordinary citizens or businesses. Hence, the study was interested in
2637 interrogating the public policy conceptualization in South Africa within the context of traditional
2638 medicine, as most rural and marginalized communities depend on it for primary healthcare. This was
2639 based on several considerations.

2640
2641 Mutola et al. (2021) outline the institutionalization of traditional African medicine by indicating that
2642 traditional African medicine has become increasingly popular due to the high cost of allopathic
2643 medical health care and the expensive pharmaceutical products that have become unavailable to most
2644 people. Hence, the many centuries-old alternative sources of healthcare have become handy, often in
2645 desperate situations. Addis et al. (2021) add that the frequently quoted statement that more than 80
2646 percent of African people use traditional medicine is an understatement, as the figure could be much
2647 higher and continues to increase. The Alma Atta Declaration of 1978 resolved that traditional
2648 medicine had to be incorporated into the health care systems in developing countries if the objective
2649 of the "Health for All by the Year 2000" was to be realized. Despite this strategy, African countries
2650 did not reach the objective at the end of the 20th century. Therefore, the Member States of the WHO
2651 African Region adopted a resolution in 2000 called "Promoting the role of traditional medicine in
2652 health care systems: A Strategy for the African Region".

2653

2654 The strategy provides for institutionalizing traditional medicine in the health care systems of the
2655 member states of the WHO African Region. In addition, the OAU (African Union) Heads of State
2656 and Government declared 2000 to 2010 as the African Decade on African Traditional Medicine. The
2657 Director General of the WHO also declared the 31st of August every year as African Traditional
2658 Medicine Day. All these declarations signify the importance of and the approval by governments and
2659 international institutions of the need to institutionalize traditional African medicine in health care.
2660 This implies that the mechanisms for institutionalizing traditional medicine must be developed to
2661 make these resolutions a reality.

2662

2663 Given the complexity and heterogeneity of African traditional medicine, a system of incorporation in
2664 the current healthcare systems has to be developed. The WHO Regional Director for Africa and his
2665 Secretariat took up the challenge and have developed model guidelines that the Member States can
2666 adapt or adopt as may be appropriate in the respective Member States. Some of the relevant guidelines
2667 include the following: 1) Guidelines for the formulation, implementation, monitoring and evaluation
2668 of a National Traditional Medicine Policy; 2) Model legal framework for the practice of traditional
2669 medicine: The Traditional Health Practitioners Bill; 3) Model Codes of Ethics for Traditional Health
2670 Practitioners; 4) A Regional framework for the registration of traditional medicines in the WHO
2671 African Region; and 5) A regulatory framework for the protection of intellectual property rights (IPR)
2672 and indigenous knowledge of traditional medicines in the WHO African Region.

2673

2674 These guidelines and others create a basis for incorporating African traditional medicine to suit a
2675 particular country. The WHO Regional Director for Africa also appointed a Regional Expert
2676 Committee on Traditional Medicine to assist in developing these guidelines. It is important to
2677 emphasize that as more and more people use traditional healthcare facilities, there is an urgent need
2678 for appropriate quality control systems in practice and the production and use of medicines. The
2679 systems are meant to protect the public and ensure that the best practices and the most useful
2680 medicines are made available in the most affordable manner. Every country in the African region
2681 would be expected to adopt a method of incorporation that would be suitable: integrative, inclusive,
2682 or tolerant, as the case may be. It is undeniable that we cannot afford to sit on the fence. All the
2683 stakeholders stand to gain a great deal in developing and promoting African traditional medicine. In
2684 particular, all the practitioners in the present allopathic health care system will gain professionally
2685 and economically as they will have access to an additional culture-friendly system to provide services
2686 to the people. All the stakeholders must join hands to institutionalize the appropriate African
2687 traditional medicine in the health care systems to provide the health services that are urgently needed
2688 in the communities.

2689

2690 The South African government has taken steps towards the official recognition and
2691 institutionalization of African Traditional Medicine, including establishing a Directorate of
2692 Traditional Medicine in 2006 to coordinate and manage initiatives regarding African Traditional
2693 Medicine within the Department of Health. Mothibe and Sibanda state that in line with global trends
2694 in law and domestic realities, the South African government is one of the few countries to make
2695 significant progress in including traditional health practices in the mainstream healthcare system by
2696 using the law as a tool for formal integration. The integration process gained momentum by enacting
2697 the Traditional Health Practitioners Act 22 of 2007, which provides a legal framework for traditional
2698 health practitioners (also known as traditional healers). The Act provides formal recognition to
2699 traditional practitioners. It establishes an interim Traditional Health Practitioners Council of South
2700 Africa with wide powers to ensure that healthcare services provided by traditional practitioners are
2701 efficient, safe, and of high quality (Street et al., 2018).

2702

2703 The services to be provided by African traditional healers in terms of the Act include the maintenance
2704 or restoration of physical or mental health or function; the diagnosis, treatment, or prevention of a
2705 physical or mental illness; the rehabilitation of a person to enable him or her to resume normal
2706 functioning within the family or community; and the physical or mental preparation of an individual
2707 for puberty, adulthood, pregnancy, childbirth, and death.

2708

2709 In terms of the WHO definition, a traditional medical practitioner or traditional healer is a person who
2710 is recognized by the community in which they live as competent to provide health care by using
2711 vegetable, animal, and mineral substances and certain other methods. The Traditional Health
2712 Practitioners Act also specifically recognizes diviners (“*sangomas*”, “*izangoma*” or “*amagqirha*”),
2713 herbalists (inyangas, izinyanga or amaxhwele), traditional surgeons who mainly perform
2714 circumcisions (“*ingcibi*” or “*iingcibi*”), and traditional birth attendants (“*ababelekisi*”, “*ababelethsi*”
2715 or “*abazalisi*”) as professionals in ATM and requires all traditional health practitioners to register in
2716 terms of chapter three of the Act.

2717

2718 **3.4 Theoretical foundation of the study**

2719 ***3.4.1 The Social cognitive learning theory***

2720 The objectives of this study could also be theoretically discussed within the context of the Social
2721 cognitive learning theory propagated by the Canadian-American psychologist Albert Bandura during
2722 the 1960s (Nkhata et al., 2019). It suggests that humans learn behaviours by observing others and
2723 choosing which behaviours to imitate. Behaviours that are rewarded are more likely to be repeated,

2724 whereas behaviours that are punished are less likely to be repeated (McLeod, 2011). He later refined
2725 his ideas on observational learning and modelling, emphasizing the cognitive components of
2726 observational learning and the interaction of behaviour, cognition, and the environment in shaping
2727 individuals (Devi et al., 2022; Nickerman, 2022). In contrast to other psychologists, Bandura did not
2728 believe that learning stemmed solely from reinforcement, punishment, and conditioning. Instead, he
2729 asserted that observation, imitation, and modelling played a significant role in learning human
2730 behaviour. According to him, individuals learn social behaviour by observing and imitating the
2731 behaviour of others (Horsburgh & Ippolito, 2018; Lutter et al., 2021). This theory has been considered
2732 a bridge between cognitive and behaviourist learning theories, as it encompasses motivational
2733 processes, memory, and attention (Schunk,2012; Schunk, 2012a; Schultz, 2021; W. Schulz, 2023).

2734

2735 According to Nickerman (2022), in traditional medicine, the interplay between assimilation and
2736 accommodation is a process that follows learning. This explains how traditional healers can learn the
2737 norms of traditional healing to promote the use of traditional medicine in their local communities.
2738 African traditional medicine is based on the accumulated knowledge and experience of older
2739 generations transmitted orally, through observation and social practice (Gottlieb et al., 2019:465;
2740 Gaurav et al. (2022:13). The practice of traditional medicine varies in different regions of the
2741 continent depending on cultural location and environmental factors (Chali et al., 2021; Chali et
2742 al.,2021). Each society's culture has unique traits and distinctive historical development, making each
2743 culture's traditional medicine and practices unique (Nguyen et al., 2017; Schultz, 2021). Based on
2744 this consideration, the study took a comparative case study approach of traditional medicine practices
2745 in two distinct district municipalities in KwaZulu-Natal Province, South Africa. It is important to
2746 empirically determine who within a particular community has access to what knowledge at a given
2747 time and how they gain access to it. Investigating the attitudes of community members towards
2748 traditional medicine as a local knowledge system and the extent to which they practice and use it was
2749 considered essential. The researcher posits that those who seek traditional medicine have likely
2750 learned such behaviour from their environment, including cultural beliefs and practices passed down
2751 by older generations. It is widely believed across African cultures that serious illnesses have mystical
2752 or supernatural origins.

2753

2754 Despite the remarkable advantages of the social cognitive learning theory, it has limitations. For
2755 instance, according to Nickerson (2020), the social cognitive learning theory has a limitation in that
2756 it heavily emphasizes learning processes while disregarding biological and hormonal predispositions
2757 that may influence an individual's behaviour, irrespective of their experience and expectations.
2758 Moreover, Fidel and Ettien (2018:53) argue that the theory overlooks emotion and motivation, except

2759 through reference to previous experience, thereby neglecting their influence on the learning process,
2760 which can significantly impact learning outcomes. Additionally, Muhammad and Rob (2015:381)
2761 note that the theory's breadth can make it challenging to operationalize it. This is because the theory
2762 addresses individual behaviour changes at many levels of the social-ecological model, but not all
2763 levels are implemented. Lastly, Gottlieb et al. (2019:458) suggest that the behaviour concept in
2764 traditional medicine fails to consider behaviour maintenance, which is critical to achieving the goal
2765 of preserving behaviour change over the long term. The objective of the theory is to explain how
2766 people regulate their behaviour through control and reinforcement to achieve goal-directed behaviour
2767 that can be sustained over an extended period (Prati, 2012:418; Reigeluth & Frick, 2013).

2768

2769 Western theorists have tried to explain the concept of myths within the context of the Mythical
2770 approach theory, with attributes also prevalent in African cultural philosophies, including traditional
2771 medicine and healing systems. These perspectives range from psychology (the nature of the human
2772 mind) to structural functionalism as serving the purpose of social control (Lewis,2017). These
2773 Western theorists include the Austrian neurologist and psychoanalyst Sigmund Freud (1966), the
2774 Swiss psychiatrist and psychoanalyst Carl Gustav Jung (2020), and the French sociologist David
2775 Émile Durkheim (1951). Gottlieb et al. (2019:458) and Nickerson (2020) also indicate that beliefs in
2776 myths may differ across communities, implying that myths exist from four primary perspectives
2777 regarding their origins: 1) the rational; 2) functional; 3) structural; 4) and psychological perspectives.
2778 The first perspective is the myth of rationalism, which highlights how socio-ecological and cultural
2779 events and forces inspired the creation of myths. Historically, constructing myths aimed to understand
2780 better the natural events and forces that occur in people's daily lives. The rational myth theory states
2781 that myths were historically made to understand better natural events and forces that occurred in
2782 people's everyday lives. This perspective also suggests that gods and goddesses were viewed as
2783 supernatural forces that control all natural events. For instance, creation myths in various cultures
2784 described how gods and goddesses formed humans and the substances they used (Long, 2023).

2785

2786 From a psychological standpoint, Sigmund Freud viewed myths as manifesting repressed human
2787 desires (Gottlieb et al., 2019:460). According to him, myths are a product of the psychological forces
2788 shared by many members of a particular group on a personal level. Carl Gustav Jung (2020), who
2789 also believed in the power of mythology, looked at myths and dreams as expressions of the collective
2790 unconscious, which contains fundamental concepts all humans share (Pal, 2019). He differed from
2791 Freud in his assertion that understanding the mysteries of neurosis and psychosis required knowledge
2792 of both mythology and civilizational history. David Émile Durkheim (1892) supported the structural
2793 functionalism of myths within the social analysis of society. Society can use myths to create collective

2794 control (Ponizovkina and Agibalova, 2018). Myths could be used to teach good manners and social
2795 behaviour for social harmony. Like other structural functionalists, Durkheim focused on the problem
2796 of order and the positive effects of social institutions, explaining their existence in terms of their
2797 necessary functional contributions (Williams et al., 2019:63).

2798

2799 In his discussion of the holistic nature of African medicine and healing systems in traditional
2800 healthcare (Jaja, 2014), he states that in African cultures, myths were culturally the essential and
2801 ready tools for thinking and socializing, including spiritual communication. Through their meaningful
2802 and communicative features, myths exhibit and enhance society's coherence, stability, and continuity.
2803 For instance, traditional healers combine various techniques to find the causes of problems through
2804 divination. They could also dispense healing through the use of herbs, the performance of rituals, or
2805 the uttering of words. African cultural philosophy considers the human being to be made up of
2806 physical, spiritual, moral, and social aspects. The functioning of these three aspects in harmony
2807 signified good health, while if any aspect should be out of balance, it signified sickness. Traditional
2808 African religions and spirituality, as an integral part of traditional medicine and healing systems,
2809 generally hold the beliefs of life after death (a spirit world or realms in which spirits but also gods
2810 reside).

2811

2812 Bandura (Ngere et al., 2022) contends that the majority of traditional communities hold the belief that
2813 serious illnesses can be caused by mystical or supernatural agencies such as witchcraft and the devil.
2814 Supernaturalism is characterized by the belief in forces that exist outside the universe and can affect
2815 it. Traditional medicine systems and practices are largely mystical or supernaturalistic. While
2816 Kennedy and Lingard (2006) argue that it may be insensitive to evaluate methods solely based on
2817 their underlying theories, the context, history, credibility, and plausibility of the methods can provide
2818 valuable insights, particularly when relevant scientific evidence is insufficient, inadequate, or
2819 conflicting (Linder & Peters, 2020:55). The practice of traditional medicine in local communities is
2820 influenced by socio-cultural and ecological factors, resulting in a blend of religion, occultism,
2821 folklore, psychology, and medical speculation (Chali et al. 2021).

2822

2823 ***3.4.2. The Public Policy Theory***

2824 According to Stromberg (2021), the term "public policy" originates from the Middle English word
2825 "policie" which refers to government or civil administration. The Latin word "politia", which means
2826 "polity" or "group", is also a source of the concept of public policy. This concept was developed by
2827 politically united groups who worked under the rule of law passed down for centuries by monarchs

2828 and aristocrats (Cochran et al., 2016; Mwikisa, 2019). As Signe (2018) notes, public policy is a crucial
2829 means by which governments maintain order and meet the needs of their citizens according to the
2830 Constitution. Effective governance requires a clear direction and action relevant to the prevailing
2831 circumstances. This study highlights the importance of understanding the socio-cultural and
2832 ecological factors that influence the practice of traditional medicine in local communities in
2833 KwaZulu-Natal province. Public policy is a collective decision-making process encompassing
2834 various plans, programs, and schemes to address societal issues (Crocker, 2019; Andrew, 2020).
2835 Those who study public administration and policy gain significant knowledge on how to influence
2836 the formulation and revision of public policy and contribute to resolving regional, national, and
2837 international problems (Abebe, 2018). This has led to the modernized public policy that government
2838 officials or agencies implement today, based on purposeful action rather than arbitrary behaviour
2839 (Cochran et al., 2016; Stromberg, 2021).

2840

2841 The preceding discussions highlight how policies can be a response to social demands, which is
2842 something that governments must do rather than merely express intentions. Health issues are one of
2843 these demands, and policies related to the health of a particular group can cover insurance mandates.
2844 Scott, Springfield, and Coldrey (2020) explain that when the AIDS epidemic emerged in the early
2845 1980s, governments had to develop new policies to contain the spread of the disease and educate their
2846 populations. This illustrates how the South African government should reform the healthcare system
2847 and mandate health insurance for all citizens. Mwikisa (2019) suggests that before implementing such
2848 a policy, a series of debates, evaluations, and analyses must take place to persuade the government to
2849 recognize how healthcare serves the interests of all South Africans. This practice could trigger the
2850 development of bills, insurance mandates, and other legislative provisions to establish a healthcare
2851 system that ensures access to treatment for all South Africans, including those who use traditional
2852 medicine. Through this legal and political process, the South African government can establish a new
2853 public policy comprising several components that serve its purpose for all citizens.

2854

2855 The legal policy of a society is a crucial aspect of its public policy. According to Signe (2018), legal
2856 policy encompasses the laws that define criminal behaviour, establish appropriate punishment, and
2857 allocate responsibility for administering such punishment. In South Africa, murder is considered a
2858 punishable crime with a long prison sentence, while other countries may impose the death penalty for
2859 certain crimes (Cochran et al., 2016; Labuschagne, 2021). This illustrates how public policy responds
2860 to societal problems by defining criminal behaviour and prescribing punishment. Similarly, Crocker
2861 (2019) asserts that medical practitioners must possess adequate knowledge and expertise to prevent
2862 patient harm. In cases where a practitioner prescribes incorrect medication, resulting in a patient's

2863 death, the medical law should be applied to prevent future incidents. Such laws should not be partial
2864 but should apply to both traditional and modern practitioners, as the government, through the health
2865 ministry, is concerned about the health of all citizens.

2866

2867 In addition, public policy can take either a positive or negative form depending on whether the
2868 government chooses to take action or refrain from doing so (Antwi-Boateng, 2017; Trowler,
2869 2023:19). This means that the government has the power to either mandate or prohibit certain actions
2870 by its citizens (Moran et al., 2021). Public policies are designed to address the needs of different
2871 categories of society, as they are established through a political process that reflects the actions
2872 outlined in the government's constitution (Labuschagne, 2021). Although this may seem complex,
2873 Trowler (2023:23) suggests that public policy can be described as laws, mandates, or regulations
2874 established through a political process. In the South African context, Signe (2018) advocates for
2875 including traditional medicine practitioners in developing policies that can help promote inclusive
2876 laws that serve all South Africans without discrimination.

2877

2878 In summary, the government can adopt any public policy appropriate to address societal issues. This
2879 is consistent with Lim's (2018:375) system model policy, which provides guidelines for designing
2880 and executing a system in a particular society. Public policy implementation takes place at two levels:
2881 local and national. Local policies pertain to city ordinances, which are written directives and
2882 regulations of city government departments, including healthcare, police, fire departments, street
2883 maintenance, and building inspection (Moran et al., 2021:45). Conversely, at the national level, the
2884 state leads through public policies that involve laws enacted by the government legislatures, decisions
2885 by state ministries, regulations created by state bureaucratic agencies, and decisions made by
2886 governors (Trowler, 2023).

2887

2888 According to Bryce (2021), effective government response to public problems is contingent on
2889 collaboration with citizens and various societal sectors to achieve appropriate goals. Cochran et al.
2890 (2016) illustrate regulatory policies as a strategy for setting parameters for social sectors such as
2891 commerce, business, and safety measures. Lim (2018:379) also presents substantive policies as
2892 programs that aim to promote society's overall welfare and development. According to Cotlear and
2893 Rosenberg (2018), distributive policies focus on specific societal segments, such as the medical
2894 sector, including traditional medicine, which deals with societal medical problems. Another type of
2895 public policy is redistributive, which aims to reorganize plans that bring about societal socioeconomic
2896 changes (Andrew, 2020; Trowler, 2023). Lastly, Signe (2018) describes capitalization policies as

2897 those in which the central government provides subsidies to subordinate levels of government and
2898 other operations.

2899

2900 Advocates of the theory of public policy contend that societal issues are influenced by a range of
2901 stakeholders who employ diverse public guidelines to shape policy outcomes. They argue that
2902 competition among individuals and corporations can stimulate collaboration and use various tactics
2903 to influence policymakers to act in a particular manner (Antwi-Boateng, 2017; Moran et al., 2021).
2904 However, when public policies fail to deliver the intended results, Lim (2018:375) maintains that
2905 politicians and other actors must share the responsibility. This implies that when individuals do not
2906 receive adequate medical assistance, the government, through the Ministry of Health and traditional
2907 healer associations, should be held accountable. Consequently, public policies can be the outcome of
2908 the actions of specific actors, such as interest organizations, and not necessarily a reflection of the
2909 will of the public (Stromberg, 2021).

2910

2911 Moreover, actors involved in the public policy process employ various tactics and tools to achieve
2912 their objectives. These include publicly advocating for their positions, educating supporters and
2913 opponents, and mobilizing allies on a particular issue (Trowler, 2023). Thus, using effective tools and
2914 instruments is instrumental in determining the outcome of a policy. In summary, proponents of the
2915 theory of public policy contend that societal issues are complex and require diverse stakeholders to
2916 collaborate and employ various tactics to influence policymakers. They also maintain that in cases of
2917 policy failure, responsibility should be shared among all actors involved. Finally, using effective tools
2918 and instruments is crucial in determining the success or failure of a policy.

2919

2920 Supporters of the theory of public policy contend that various actors play a significant role in the
2921 public policy process. Still, ultimately, government officials make decisions regarding public policy
2922 in response to the particular public issue or problem at hand. These officials are motivated by their
2923 desire to meet ethical standards within the public sector and consider the needs of all project
2924 stakeholders (Mwikisa, 2019). However, the ruling party's political stance can also impact the chosen
2925 public policy option. Over the past few decades, societal changes have resulted in changes to the
2926 public policy-making system. Policy-making is increasingly goal-oriented and decision-centric,
2927 focusing on making immediate decisions that can achieve measurable results (Bryce, 2021; Usher,
2928 2023:12).

2929

2930 Moreover, technological advancements such as the widespread availability of the Internet and mass
2931 communication have caused the public policy system to become more intricate and interconnected

2932 (Moran et al., 2021). These changes pose new challenges to current public policy systems and
2933 pressure leaders to evolve and remain effective and efficient (Phasha et al., 2017:87). Therefore,
2934 modern medicine must incorporate modern equipment and updated data to track better and combat
2935 diseases. Public policies are derived from all levels of governmental entities, including legislatures,
2936 courts, bureaucratic agencies, and executive offices at the national, provincial, and local levels, as
2937 Signe (2018) observes. In conclusion, the public policy theory provides a useful framework for
2938 understanding policy-making's complex and dynamic nature. It emphasizes the role of multiple
2939 actors, effective communication, and political power in shaping policy outcomes and the need for
2940 policymakers to remain adaptive and responsive to changing societal and technological
2941 developments.

2942

2943 The utilization of the theory of public policy holds several advantageous features. Scott, Springfield,
2944 and Coldrey (2020:200) suggest that policy constitutes the structural aspect of politics that pertains
2945 to the populace. At its core, policy encompasses the coordination of the outputs of the political
2946 process, thereby reflecting the impact of the governmental system on society in a positive way.
2947 Labuschagne (2021) asserts that the government's vision and standards necessitate participation from
2948 all stakeholders in activities that foster sustainable development. This underscores how public policy
2949 is a dynamic, complex, and interactive system that identifies public issues through research and
2950 devises strategies to address them (Mwikisa, 2019). The government accomplishes this by
2951 introducing novel policies or reinforcing existing ones. The system's approach is beneficial since it
2952 incorporates diverse perspectives from various sectors to offer a more comprehensive view and
2953 greater control. Modifying each department can often lead to a positive impact on the overall
2954 structure.

2955

2956 The previous arguments demonstrated how the system model of public policy functions as an
2957 interactive process that aims to address community problems. However, sometimes, policies may not
2958 provide sufficient details on implementing these processes. Andrew (2020) and Usher (2023:12)
2959 suggest that the system approach is advantageous as it provides policymakers and stakeholders with
2960 information about the system's current workings. Furthermore, public policy explores the possible
2961 outcomes of implementing various strategies under different future circumstances, which is often
2962 impossible to test in a real situation (Akanle & Adejare, 2016; Lim, 2018:379). The systems theory
2963 conceives public policy as the political system's response to environmental demands, such as in the
2964 post-apartheid South African setting. It involves institutions that make the authoritative allocation of
2965 values and resources binding on society (Signe, 2018). In public healthcare, a systems approach to
2966 population health goes beyond standalone disease prevention and treatment programs to include

2967 resources to improve health behaviours, quality of life, and safety (Signe, 2018). Similarly, for
2968 traditional medicine to be effective, traditional healers must work within a given structure that allows
2969 them to seek and address health information, which enables them to operate as modern healthcare
2970 organizations. Gerston (2019) suggests that collaboration between traditional healers and modern
2971 medical staff to collect, store, manage, analyze, and optimize patient treatment histories and other
2972 key data is essential to improving healthcare providers' ability to obtain information about macro-
2973 environments, such as community health trends.

2974

2975 Addressing health issues through a structured approach is a recommended strategy that the
2976 government, specifically the health ministry, should prioritize. According to Phasha et al. (2017), a
2977 public policy strategy can benefit the population if the government executes all necessary steps. The
2978 government must establish norms with specific and comprehensive strategies to improve the
2979 population's healthcare outcomes (Usher, 2023:18). The implementation of the policy is crucial
2980 because, as Gerston (2019) points out, its evaluation can help the beneficiaries and the government
2981 better understand its impact. In other words, the policy's success is evident when the beneficiaries
2982 have experienced its effects. However, if the beneficiaries have not benefited from the policy, as
2983 Signe (2018) noted, there is a need for reform and future implementation. Policymakers can
2984 encourage the population to focus on the set agenda through proper implementation. Cotlear and
2985 Rosenberg (2018) acknowledge that a policy benefits its intended recipients if it alleviates their
2986 difficulties. Gerston (2019) emphasizes the importance of properly implementing public policy to
2987 avoid unfavourable outcomes. Therefore, public policy plays a critical role in the government if all
2988 stages required for its effective functioning are followed, and this also applies to traditional medicine.
2989 As Scott, Springfield, and Coldrey (2020:199) point out, public policy can change based on social
2990 expectations, technological advancements, and cultural expectations in each region.

2991

2992 In contrast, public policies are not immune to criticism by anthropologists. Cotlear and Rosenberg
2993 (2018) note that anthropologists have raised concerns about popular approaches to public policy,
2994 including rational choice theory. Anthropologists argue that an understanding of human beliefs,
2995 behaviour, and activities can influence the shaping of societal policy decisions, their implementation,
2996 and results (Usher, 2023:15). Similarly, other program methods may fail to capture the current
2997 dynamics of today's society as well as the ambiguity of the understanding of many policy processes.
2998 While public policies reflect a government's initiatives that must help people improve their lives,
2999 critics contend that policy theories are better suited to explaining policy stability than policy change
3000 (Akanle & Adejare, 2016; Gerston, 2019). In Africa, for instance, policies sometimes fail due to a
3001 lack of interest in science, which is fundamental to public policy research in the medical domain

3002 (Labuschagne, 2021). Furthermore, despite the critical role of technology and scientific findings in
3003 contemporary policy-making in the medical domain, many politicians and civil servants presume they
3004 can determine medical policy approaches without evidence or research (Phasha et al., 2017:102).

3005

3006 The close relationship between governance and medical science is crucial in developing and
3007 implementing appropriate local, national, and international public policies. However, anthropologists
3008 have criticised popular public policy approaches, including the rational choice theory. Signe (2018)
3009 argues that understanding human behaviour, such as the actors, activities, and influences involved in
3010 shaping policy decisions, implementations, and outcomes, is essential. Furthermore, in some cases,
3011 certain policy methods fail to capture the current dynamics of society and the ambiguity surrounding
3012 policy processes. For example, the global medical domain, including traditional medicine, requires
3013 updates to address new diseases and social issues. According to Spiker (2022), policy updates are
3014 necessary to keep up with the evolving landscape and to ensure policies remain relevant and effective.

3015

3016 Societal changes can prompt modifications in the public policy-making process. Depending on the
3017 situation, public policymaking can be goal-oriented, aiming to achieve quantifiable outcomes, or
3018 decision-centric, focusing on urgent decision-making (Abebe, 2018; Cochran et al., 2016). For
3019 example, technological advancements, such as the widespread availability of the Internet, have
3020 rendered the public policy system more intricate and interconnected. Nevertheless, these changes
3021 present novel challenges to the current public policy systems, necessitating leaders to adapt to remain
3022 effective and efficient (Usher, 2023:17). In certain circumstances, policymakers fail to comprehend
3023 current advancements in modern medical research and instead stick to political decisions that can
3024 yield detrimental outcomes by implementing measures that are less beneficial in medicine. Thus,
3025 traditional medicine studies prevalent diseases in society, and strategies to mitigate them should not
3026 be overlooked. Spiker (2022) suggests incorporating traditional medicine can enable the use of
3027 remedies that have demonstrated efficacy in treating specific ailments. Ultimately, this approach,
3028 combined with modern medicine, can help determine and enhance the standard of healthcare in South
3029 Africa, artificially manipulating the allocation of appropriate medical assistance results from
3030 implementing specific public policies, such as universal medical insurance. In reality, this has been
3031 challenging due to the inefficiencies in the medical domain, and the decline in the quality of
3032 healthcare and insurance in South Africa (Scott, Springfield & Coldrey, 2020:187).

3033

3034 Lobbyists often influence public policy-making, which has been a source of controversy in the field.
3035 Powerful political parties like the African National Congress (ANC) may lobby for policies favouring
3036 their interests. For example, during the Covid-19 lockdown, the ANC supported the use of Johnson

3037 and Johnson vaccines (Phasha et al., 2017:100). Additionally, policymakers may hold biases that lead
3038 them to seek out information that confirms their pre-existing beliefs, creating further controversy
3039 (Cochran et al., 2016; Stromberg, 2021). These challenges illustrate the public policy field's
3040 difficulties when implementing policies. Such challenges can include opposition from key
3041 stakeholders, insufficient financial or human resources, lack of clarity on operational guidelines, or
3042 ambiguity regarding roles and responsibilities for implementation.

3043

3044 **3.4.3. *The Rational theory***

3045 According to Birkland (2010), rationalism originates from the Latin word "ratio," meaning reason or
3046 calculation. The rational model denotes the ability of humans to link diverse ideas to comprehend the
3047 world. The emergence of rationalism can be traced back to 16th century France during the scientific
3048 revolution when scientists focused on a novel approach to understanding nature (Antwi-Boateng,
3049 2017; Crocker, 2019).

3050

3051 Adherents of rationalism championed that reason constituted the sole font of knowledge in society,
3052 promoting progress through the pursuit of logical comprehension. Notably, its prominent advocates,
3053 René Descartes, Baruch Spinoza, and Gottfried Leibniz, vehemently opposed the empirical thinking
3054 that predominated in 17th-century England (Birkland, 2010). Empiricism relied on sensory
3055 perception to fathom the world. Rationalists rejected empiricism, acknowledging that our senses may
3056 be fallible in discerning reality. They contended that reality possessed an inherently logical structure
3057 that could be apprehended through reasoning (Abebe, 2018). Reason constituted the primary
3058 foundation and proof of knowledge by its logical basis. Consequently, this investigation suggests that
3059 traditional healers must rely on reason and structure to substantiate their expertise in traditional
3060 remedies and the diseases they treat. Cadwalladr (2018) and Signe (2018) emphasize that the rational
3061 model is more effective when implemented through an administrative system that espouses specific
3062 policies designed to optimize benefits while minimizing costs.

3063

3064 The concept of rationalism derives from the Latin term "ratio," meaning reason or calculation, and
3065 refers to humankind's capacity to connect diverse ideas to comprehend the world (Birkland, 2010).
3066 Rationalists, such as René Descartes, Baruch Spinoza, and Gottfried Leibniz, championed the belief
3067 that reason was the sole source of knowledge in society, fueling development through the pursuit of
3068 logical comprehension and opposed the empiricist thinking that prevailed in England during the early
3069 17th century (Birkland, 2010). Empiricism, by contrast, relies on perceived experience through the
3070 senses to comprehend the world. The rationalists countered this by acknowledging that our senses

3071 might fail to reveal what is perceived and posited that reality has an intrinsically logical structure
3072 conveyed through an administration (Abebe, 2018). Rationalists contended that structure reflected
3073 reality because it was based on logic, which reason or intellect could grasp, making reason the
3074 fundamental basis and evidence of knowledge. Accordingly, this investigation reveals that traditional
3075 healers must rely on their reason and structure to substantiate their knowledge of traditional treatment
3076 and the illnesses they can cure. Cadwalladr (2018) and Signe (2018) emphasize that the rational model
3077 functions better via an administrative system that adopts specific policies that yield maximal benefits
3078 at lower costs.

3079

3080 The paramount social gain posits that if the cost of any public policy outweighs its benefits, that
3081 policy should not be adopted (Spiker, 2022). Policy decision-makers must select the alternative policy
3082 capable of producing the maximum benefits at the lowest cost. Rationalism also describes how
3083 traditional healers employ reason to select specific medicine, focusing on societal benefits to be
3084 achieved through the National IKS Policy. Herbert A. Simon, the founder of the rational model of
3085 public policy, described rationality as a suitable style of behaviour that promotes achieving specific
3086 goals within the limits imposed by given conditions and constraints (Von Soest & De Juan,
3087 2018:2345; Ankanle & Omobowale, 2023). This implies that implementing the IKS policy
3088 imperatives associated with traditional medicine should be analyzed in the context of societal history.
3089 Spiker (2022:36) notes that societal history must account for socioeconomic, cultural, and political
3090 norms that most African people can benefit from, as colonialism and apartheid public policies denied
3091 them access to public healthcare services.

3092

3093 According to Labuschagne (2021), rationalism emerged during the Enlightenment and emphasized a
3094 politics of reason centred on rational choice, utilitarianism, secularism, and irreligion. Crocker (2019)
3095 also notes that irreligion, as an aspect of antitheism, adopted pluralistic methods that softened
3096 regardless of religious or irreligious ideology, ultimately producing a form of worldview. This is
3097 relevant to how traditional healers view their society, regardless of religious beliefs in the traditional
3098 medicine they use. Rationalists believe that reason is an essential and superior state of mind everyone
3099 should possess (Antwi-Boateng, 2017; Abebe, 2018). Furthermore, according to Birkland (2010), the
3100 rational model in public policy development seeks to understand important alternatives by
3101 considering their consequences and selecting the best course of action. It also seeks to organize
3102 government to ensure the undistorted flow of information, the accuracy of feedback, and the weighing
3103 of values.

3104

3105 Crocker (2019) defines rationalism as a theory considered the primary source and test of knowledge,
3106 although its definition may vary depending on the domain. To be effective, rationalism requires
3107 agreement on objectives and a knowledge base that enables accurate prediction of consequences
3108 associated with available alternatives (Antwi-Boateng, 2017; Von Soest & De Juan, 2018:2347).
3109 However, in many cases, these conditions are not met, rendering the rational method ineffective in
3110 guiding policymakers (Mwikisa, 2019). Incrementalism, on the other hand, produces defensible
3111 policies that avoid these problems and can be used to defend the implementation of the National IKS
3112 Policy within the context of traditional medicine in South Africa, particularly in KwaZulu-Natal, by
3113 examining the knowledge and perceptions of African traditional medicine practitioners and their
3114 clients.

3115

3116 Conversely, incrementalism is a theory interconnected with public policy-making, which involves
3117 interacting and adapting among various actors with different values, interests, and information (Signe,
3118 2018). The origin of incrementalism can be traced back to the work of Charles E. Lindblom, an
3119 American political scientist who developed this theory in the 1950s in response to the widespread
3120 conception of policy-making as a process of rational analysis leading to a value-maximizing decision
3121 (Birkland, 2010; Cadwalladr, 2018). Advocates of incrementalism emphasize the plurality of actors
3122 involved in the policy-making process and predict that policymakers will build on past policies,
3123 focusing on incremental changes rather than wholesale ones (Von Soest & De Juan, 2018:2342).
3124 Incrementalism prioritizes the improvement of tangible problems over the pursuit of abstract ideals
3125 such as social justice. Therefore, this study aims to promote the implementation of the National IKS
3126 Policy within the context of traditional medicine to improve the health conditions of the people
3127 residing in KwaZulu-Natal, South Africa.

3128

3129 Addressing health issues in South Africa involves collaboration between traditional and modern
3130 medicines to bridge the social divide in medical assistance. This collaborative approach enables
3131 affected individuals to present their health concerns to the government and promotes the acceptance
3132 of traditional medicine as a complementary approach to modern medicine. Stromberg (2021) argues
3133 that a single institution cannot make rational policy decisions on social issues due to the lack of
3134 comprehensive information, but a joint effort is more effective. This supports Spiker's (2022:34) view
3135 that policymakers do not identify objectives and examine alternative means, as the rational ideal
3136 prescribes. Instead, Von Soest and De Juan (2018:2345) argue that means and ends are typically
3137 considered simultaneously, as different policy alternatives represent trade-offs among competing
3138 values. In the context of South African healthcare, modern and traditional medicines should not

3139 compete but rather work together towards the common goal of improving the health of South
3140 Africans.

3141

3142 Furthermore, it is worth noting that incrementalism allows policymakers to make progress through
3143 trial and error, where small, incremental changes are made over time, leading to larger changes in the
3144 long run. This process of successive approximations allows policymakers to learn from past mistakes
3145 and successes, gradually improving policies through a series of small adjustments (Labuschagne,
3146 2021). As Scott, Springfield, and Coldrey (2020:187) point out, incremental outcomes are virtually
3147 inevitable due to the need to negotiate and compromise over a limited number of alternatives that
3148 differ only slightly from past policies. However, policymakers can achieve significant change over
3149 time by continually making small adjustments and improvements. The policy process's iterative and
3150 cumulative nature is another advantage of incrementalism, as it allows policies to adapt to changing
3151 circumstances and priorities over time (Labuschagne, 2021). Cadwalladr (2018) and Crocker (2019)
3152 support the notion that traditional healers are often uncertain about the effectiveness of their medicine
3153 until it successfully treats a patient. This uncertainty highlights the limitations of rational decision-
3154 making in policymaking, as conflicting objectives and insufficient information characterize most
3155 policy issues. As such, departures from incrementalism in policymaking would be rare, as pointed
3156 out by Stromberg (2021). Rational decision-making can only be applied effectively to minor technical
3157 or administrative issues, as the knowledge base for rational decision-making on more complex policy
3158 issues is often insufficient. While revolutions, new diseases, or other dramatic events may prompt
3159 major policy shifts, the ultimate consequences of these sudden changes are often unpredictable and
3160 unstable.

3161

3162 In summary, the two aforementioned theories exhibit contrasting features. The rational decision-
3163 making model prioritizes centralized decision-making (Birkland, 2010), while incrementalism
3164 emphasizes a representative and pluralistic approach (Mwikisa, 2019; Ankanle & Omobowale, 2023).
3165 Additionally, the rational model does not consider community input, whereas incrementalism
3166 supports broad popular participation in decision-making (Antwi-Boateng, 2017; Abebe, 2018). The
3167 section that follows looks at policy implementation theory.

3168

3169 ***3.4.4. The Policy implementation theory***

3170 Linder and Peters (2020) posited that implementation theory systematically examines the social
3171 objectives attainable through strategic agent behaviour. In a broader sense, Hogwood and Gunn
3172 (2018) viewed policy implementation as the process of translating declared policies into practical

3173 action. The late 1970s and early 1980s saw the emergence of several scholars who synthesized the
3174 top-down and bottom-up approaches' insights into a conceptual framework comprising various
3175 implementation theories (Lord, 2022; Palumbo & Calista, 1990; Sabatier, 1986). However, this
3176 synthesis approach suffers from the issue of being nothing more than a compilation of variables from
3177 both perspectives. This tendency leaves the reader with lengthy lists of variables and intricate
3178 diagrams of causal chains (Exworthy et al., 2017; Linder & Peters, 2020)

3179
3180 Researchers surfaced in the late 1980s and early 1990s, intending to reduce many variables into a
3181 manageable framework (O'Toole, 2000; Jindal et al., 2020). They intended to develop elegant theories
3182 that could lead to broader generalizations and more longitudinal investigations (Palumbo & Calista,
3183 1990). However, as Pal (2019) noted, this endeavour was too ambitious, as only a few scholars were
3184 willing to undertake such investigations. In the 1980s, policy implementation underwent structural
3185 changes in public administration, including decentralization, devolution of responsibilities,
3186 partnerships, and restructuring of accountability relationships in service delivery (Exworthy et al.,
3187 2017). These transformations have resulted in public policies implemented in cooperation or
3188 collaborative partnerships with non-state actors. These new inter-organizational partnerships are not
3189 merely transient phenomena but are expected to be permanent features of policy implementation
3190 (Sabatier, 1986).

3191
3192 Initially, policy implementation research was regarded as a manifestation of the top-down approach
3193 in scholarly literature, with this theory emerging as a field of investigation (Artemov et al., 2021).
3194 However, this approach's theoretical and empirical assumptions were quickly censured for being
3195 overly mechanistic and failing to acknowledge the intricacies of policy delivery in democratic
3196 societies. Critics who advocated for a bottom-up approach were united by their interest in examining
3197 the politics and processes of policy implementation, commencing from the frontlines of public
3198 administration where street-level public officials often interact with organized societal interests (Pal,
3199 2019). The discourse on the relative advantages of the top-down and bottom-up approaches was
3200 categorized as first-generation implementation research (Artemov et al., 2021).

3201
3202 According to Linder and Peters (2020:55), the top-down and bottom-up approaches are advantageous
3203 because they require leaders to engage with traditional medicine practitioners to discuss effective
3204 implementation processes of the National IKS Policy within the context of traditional medicine. The
3205 primary concern of policy implementation, organization, and governance is comprehending how
3206 government organizations can engage with their external environment to promote traditional
3207 medicine in communities. Despite our understanding of the meaning of implementation, actualizing

3208 it remains challenging, as achieving impeccable implementation through control becomes
3209 increasingly difficult (Artemov et al., 2021; Pal, 2019).

3210

3211 Making an empirical decision about what is good for traditional medicine and creating checklists of
3212 factors to consider is not enough for implementation. Linder and Peters (2020:53) noted that when
3213 examining policy from a top-down perspective, the criterion for policy implementation seems to be
3214 clarity to ensure compliance down the line. From a bottom-up perspective, however, the primary
3215 criterion appears to be flexibility and discretion, highlighting the importance of simple policy design
3216 (O'Toole, 2000). In other words, through the Ministry of Health, the government must collaborate
3217 with traditional medicine practitioners and ensure that policy design for traditional medicine is clear
3218 and flexible. The critical factors for implementation may depend on how traditional medicine
3219 practitioners perceive governance in the country.

3220

3221 To begin with, it is important to comprehend the meaning of implementation theory before delving
3222 into its proponents. According to Vedung (2017) and Signé (2017), implementation theory
3223 investigates which social policies are compatible with their intended beneficiaries. In simpler terms,
3224 it systematically examines the social goals that can be attained when actors act strategically (Lord,
3225 2022). The advocates of this theory are interested in comprehending how government organizations
3226 work with their external surroundings to implement policies related to certain domains. With the shift
3227 towards complex and multi-actor policy processes, the focus of implementation has moved from
3228 building meta-theories to elucidating collective action across institutional boundaries (Amoros,
3229 2020). Consequently, the approach to policy implementation has broadened to encompass a multi-
3230 faceted perspective that considers a variety of actors (Bullock et al., 2021).

3231

3232 The proponents of implementation theory, as argued by Amoros et al. (2020), emphasize the need for
3233 the government to legitimize certain forms of public policy, such as laws or regulations related to
3234 traditional medicine. Once the policy is enacted, it must be implemented, administered, and enforced
3235 to bring about the desired change for the people affected. Public policy implementation should
3236 produce changes in the targeted population's behaviour, which can address public issues and improve
3237 the situation (Chauhan et al., 2017; Pülzl & Treib, 2017; Freight, 2021). Therefore, while the policy
3238 process for IKS and traditional medicine in South Africa may be well-intentioned, well-formulated,
3239 or universally supported during its adoption phase, it cannot solve the challenges facing South
3240 Africans regarding diseases until the relevant government ministries and departments implement it.

3241

3242 Policy actors engaged in political negotiations often hinder a comprehensive comprehension of the
3243 public problem, leading to misidentification. As Arrow (2019) corroborates, unsuitable or insufficient
3244 policy instruments that may not have a substantial effect are proposed during the policy formulation
3245 stage. Therefore, Head and Alford (2015) assert that policymakers should be acutely aware that
3246 administrative institutions cannot magically correct the flaws of inadequately designed policies while
3247 attempting to construe and implement flawed legislation.

3248

3249 Most proponents of implementation theory acknowledge that the policy process involves various
3250 institutions and actors who play a role in policy implementation. As noted by Popoola (2016) and
3251 Amoros et al. (2020), some of these participants may be directly involved in the administration and
3252 implementation of policy, while others seek to influence the direction of public policy based on its
3253 implementation. Administrative agencies fall under the former category, while the latter includes the
3254 president, the parliament, the courts, and a wide range of interest groups (Baumer & Van Horn, 2014).
3255 This also applies to traditional medicine, where the Ministry of Health structures delegate a
3256 bureaucracy with significant power during the implementation stage of the policy process. The
3257 implementation stage of the policy process is considered an operational phase where policy is
3258 translated into action to resolve a public problem (Corchon, 2013:13).

3259

3260 Notwithstanding, several obstacles hinder the successful implementation of policies, including the
3261 clear definition of policy goals, the provision of informative intelligence, and strategic planning
3262 (Corchon, 2013:13). Hudson, Hunter and Peckham (2019) identify "implementation barriers" as the
3263 challenges to the implementation of public policies, which can stem from various causes, including
3264 resistance from key stakeholders, inadequate human or financial resources, unclear operational
3265 guidelines or roles and responsibilities for implementation, and the risks of overestimating the
3266 government's impact while neglecting other factors. However, these barriers can be difficult to apply
3267 when no single, dominant policy or agency is involved, and policies can change as they are being
3268 implemented.

3269

3270 According to Awodele et al. (2014) and Hasneezah et al. (2016), the government's public policy on
3271 traditional medicine requires the formal adoption of laws, rules, or regulations and subsequent action
3272 by the Ministry of Health and its departments. To assess the effectiveness of this policy, evaluation
3273 must be conducted to determine whether the desired outcomes have been achieved, as stated by
3274 Vedung (2017) and Jankhotkaew et al. (2022). Evaluation of traditional medicine policy must employ
3275 an analytical approach that scrutinizes the gap between the policy objectives and the actual outcomes
3276 produced by the policy implementation, including its effects. Befani et al. (2015) identify four

3277 commonly used typologies for policy evaluation, namely process evaluation, outcome evaluation,
3278 impact evaluation, and cost-effective analysis.

3279

3280 The principles of this theory propose that one of the primary decisions that should be made before
3281 conducting any evaluation is to determine the evaluator's identity (Arrow, 2019). Specifically,
3282 evaluators must either come from the Ministry of Health or be experts on the topic outside the
3283 ministry. Each option has its advantages and disadvantages, and traditional medicine consumers must
3284 be aware of who conducted the evaluation and the potential limitations of each alternative. Evaluating
3285 traditional medicine policy implementation helps determine the disparity between its policy goals and
3286 objectives and its resulting impact during implementation. The Ministry of Health can use this
3287 information to make informed decisions about traditional medicine. Amoros (2020) outlines three
3288 options for implementing policy: maintain the status quo if the policy is achieving its intended goals,
3289 make adjustments to the policy if necessary, or, in the rarest and most drastic case, terminate or repeal
3290 the policy altogether. Acknowledging that traditional medicine policy may change for various reasons
3291 is important. As Jann & Wegrich (2017) and Birkland (2019) suggest, any proposed modifications
3292 will likely go through some version of the six stages of the policy process: problem identification,
3293 agenda setting, policy formulation, policy adoption, policy implementation, policy evaluation, and
3294 eventually back to the policy change or termination stage in an ongoing cycle.

3295

3296 The theory under discussion is strengthened by the recognition that traditional medicine is critical in
3297 healthcare provision in South Africa. The widespread use of traditional medicine throughout the
3298 country underscores the importance of effective implementation strategies to ensure that all South
3299 Africans have access to safe, quality, and effective traditional healthcare services (Mothibe &
3300 Sibanda, 2019). Consequently, it is imperative to develop an integrated approach to traditional
3301 medicine within the context of the healthcare system. This approach will enable the government,
3302 through the Ministry of Health, healthcare professionals, and patients to have easy access to
3303 traditional medicine services throughout the country (Amoros, 2020). To achieve this, traditional
3304 medicine must be utilized safely, respectfully, cost-effectively, and efficiently to maximize its
3305 benefits for all who choose to use it. Pal (2019) and Lord (2022) further support this view by
3306 highlighting the importance of traditional medicine policy implementation as a global strategy to
3307 promote its appropriate integration, regulation, and oversight for the benefit of all.

3308

3309 In contrast, despite the theory's strengths, there are also limitations stemming from its theoretical and
3310 empirical assumptions, which have been challenged. As noted by Lord (2022), the implementation
3311 stage of the policy process is a crucial operational phase where policy is put into action to address

3312 public problems. However, various challenges can impede this stage, including a lack of clarity
3313 regarding policy goals, insufficient information intelligence, and inadequate strategic planning.

3314

3315 Critics of this theory argue that it is too mechanical and does not accurately reflect the complexities
3316 of policy implementation in democratic societies. Bottom-up critics, on the other hand, focus on the
3317 politics and processes of policy implementation at the local level, where public employees interact
3318 with organized social interests (Freight, 2021). The debate around implementation policy centres on
3319 the relative advantages of top-down versus bottom-up strategies (Lord, 2022). Additionally, the
3320 nature of implementation challenges depends on the typical forms of execution. As Lord (2022) notes,
3321 accountability and compliance cannot be assumed to be satisfactory, especially when the government
3322 provides services directly, such as in the case of health or sanitary education, as the accountability
3323 relationships stretch down from the ministry or department of health to the individuals at the local
3324 level.

3325

3326 Consequently, adherence to policy and the potential misuse of vouchers could become significant
3327 challenges in the implementation process. In various health provinces and departments of South
3328 Africa, most policies related to Indigenous Knowledge Systems (IKS) are frequently disregarded. For
3329 instance, Shizha & Charema (2011) observe that, although traditional medicine was recognized by
3330 the South African government in 2004, many policies do not recognize its historical and cultural
3331 distinctiveness. Implementing these policies has not considered traditional medicine's cultural and
3332 ecological uniqueness (Freight, 2021). Additionally, little attention has been paid to how different
3333 ecological factors influence the relative distribution of traditional healers (e.g., herbalists/Inyanga or
3334 diviners/sangoma) and their patients (Freight, 2021).

3335

3336 Consequently, Mutombo et al. (2023) lament the insufficient investigation of the factors affecting
3337 patients' choice of healers despite the increasing attention given to traditional medicine in South
3338 Africa. Thus, the current study examines the importance of cultural and ecological diversity in
3339 African Traditional Medicine (ATM). For this study, the semi-arid UMkhanyakude District and the
3340 UGu District (Sub-tropical) were chosen as case studies, representing two distinct ecological zones
3341 in the KZN province.

3342

3343 The theory of policy implementation has relevance to the domain of traditional medicine as it can
3344 contribute to the analysis of the prospects and challenges of implementing the National Indigenous
3345 Knowledge Systems (IKS) Policy (2004). Specifically, the process seeks to identify "instruments that
3346 can regulate the use of conventional medicine" (Wang et al. (2016). A key objective of the National

3347 IKS Policy (2004) is to monitor and facilitate the development of traditional medicine and to ensure
3348 compliance with policy guidelines. Notably, the policy's distinctive feature is its emphasis on
3349 safeguarding South Africa's medicinal plants and other natural resources with therapeutic value,
3350 including animals, minerals, aquatic and marine products, and their derivatives (Netnou-Nkoana,
3351 2016; Howes et al., 2020). Effective implementation would entail sustainable management,
3352 utilization, and development of domestically grown medicinal plants and other resources employed
3353 in traditional medicine (Arrow, 2019). To this end, the ministry responsible should be pivotal in
3354 creating or improving the national database or inventory of medicinal plants.

3355

3356 The effective implementation of the national IKS policy must prioritize providing informed choices
3357 of traditional medicine products for self-health care to South African consumers. Freight (2021)
3358 identifies informed choice as a fundamental aspect of good healthcare practice, provided that shared
3359 decision-making promotes people-centred care. Thus, ethical and legal considerations should guide
3360 the key aspects of informed choice. Education also plays a crucial role in facilitating informed choice.
3361 Brendler et al. (2021) concur that consumers' self-selection of traditional medicine products
3362 constitutes a significant portion of traditional medicine in South Africa. Therefore, the government's
3363 mandate to protect its population by adopting the precautionary principle in uncertain risk situations
3364 may clash with consumers' demand for accessibility and availability, necessitating a balance between
3365 the two to avoid disruptions in self-health care. This highlights the need for consistent and rigorous
3366 examination of the national IKS policy and its instruments through effective mechanisms and
3367 strategies to preserve, protect, and promote traditional medicine while mitigating contestations
3368 between traditional and biomedicine in local communities.

3369

3370 Analyzing the intersection between public policy theoretical framework and traditional medicine is
3371 significant for the study. This is meant to interrogate the effective collaboration between the South
3372 African government, specifically the Department of Health, and traditional medicine policy
3373 structures. Scott, Springfield, and Coldrey (2020:203) contend that research conducted by the
3374 government on traditional medicine can serve as a catalyst to bring together traditional healers'
3375 associations and the Department of Health. Such collaboration can enable both parties to deliberate
3376 on implementing the National Indigenous Knowledge Systems Policy (2004). The scientific
3377 underpinnings of policy research are integral to implementing public programs. Ankanle et al. (2023)
3378 and Birkland (2010) emphasize the importance of policymakers and civil servants collectively
3379 selecting policy approaches based on scientific evidence and technology, leading to successful policy
3380 implementation. In line with Spiker (2022), science can profoundly influence governmental decision-
3381 making concerning public policy at the local, national, and international levels. In the context of this

3382 study, it is critical to establish a symbiotic relationship between governance, science, and traditional
3383 healers' associations, as their collaboration plays a pivotal role in public policy formulation and
3384 implementation.

3385

3386 Governmental institutions are responsible for enforcing public policy with determination, but they
3387 should not do so by excluding other entities with the same vision. Accordingly, South African healers'
3388 associations can engage in discussions and collaborations to implement government policies
3389 concerning traditional medicine (Bryce, 2021; Labuschagne, 2021). Such collaboration signifies their
3390 close relationship, such that traditional norms regarding traditional medicine in South Africa cannot
3391 be publicly accepted until deliberated upon between the government and the healers' association. Both
3392 parties must agree on the following norms before adopting, implementing, and enforcing them
3393 through the Ministry of Health. In line with Abebe (2018) and Cadwalladr (2018), government
3394 institutions have the legal obligation to ensure the loyalty of citizens through public policy, which
3395 involves the universality of government policies. The latter case implies that "only government
3396 policies extend to all people in a society, and the policies of other groups or organizations reach only
3397 a part of society" (Scott, Springfield & Coldrey, 2020:189). Violating governmental regulations may
3398 lead to severe sanctions because it can endanger people's lives. Akanle and Adejare (2016) and
3399 Crocker (2019) assert that traditional healers must adhere to instructions from national health
3400 departments because both traditional healers and medical professionals must ensure they heal people
3401 using acceptable methods. In other words, the government reserves the right to unlawfully compel
3402 those who violate its policies.

3403

3404 In the present study, it is recommended that the South African government, through its Department
3405 of Health, establish an agenda and norms for traditional medicine practitioners on managing their
3406 medicine and how their clients can use it for their well-being. Additionally, the government should
3407 examine the mechanisms and strategies employed by the National IKS Policy (2004) and its various
3408 instruments to safeguard, preserve, and promote traditional medicine while mitigating the conflicts
3409 between traditional and biomedical practices in local communities. Implementing the National IKS
3410 Policy within the context of traditional medicine in South Africa, particularly in KZN, should benefit
3411 the people. Labuschagne (2021) suggests that South African health departments should properly
3412 implement the national strategy to benefit traditional practitioners and their clients.

3413

3414 To promote a positive impact on the lives of citizens, the government has established norms for
3415 traditional medicine practitioners to adhere to in their practices. Compliance with these regulations
3416 by practitioners and beneficiaries demonstrates the potential of effective policy to enhance health

3417 outcomes. Implementing a public policy on traditional medicine in South Africa, specifically in
3418 KwaZulu-Natal (KZN) Province, is expected to benefit all residents through adherence to established
3419 norms that aim to improve their lives. When the government formulates guidelines for traditional
3420 medicine practitioners and their clients, both parties must follow these rules to ensure the efficacy
3421 and safety of traditional medicine. Thus, implementing the National IKS Policy within the context of
3422 traditional medicine in South Africa and KZN, in particular, can greatly benefit the population's
3423 medical and health issues. According to Spiker (2022), the success of a policy is measured by its
3424 ability to alleviate the difficulties its beneficiaries face. Therefore, the South African public policy on
3425 traditional medicine can be implemented to enable traditional practitioners to practice within the
3426 confines of government regulations and to provide much-needed assistance to those in need. The
3427 policy's effectiveness can be evaluated through its outcomes, which can either make it popular or
3428 controversial, as noted by Phasha et al. (2017:98). A public policy that demonstrates remarkable
3429 outcomes among its beneficiaries is likely to continue and expand its reach as confirmed by
3430 Cadwalladr (2018) and Spiker (2022). This has contributed to the widespread presence of traditional
3431 healers across South Africa.

3432

3433 **3.5 Limitations of existing studies and theoretical frameworks**

3434 The review of existing related literature on the research problem showed that within the context of
3435 South Africa, fewer studies have focused on the socio-cultural context of traditional medicine (TM)
3436 and indigenous knowledge systems (IKS) Policy in South Africa, as well as the challenges and
3437 limitations associated with their recognition and integration into the modern healthcare system. The
3438 limited available research has focused broadly on traditional and cultural practices' role in managing
3439 conflicts, mainly in the context of IK (Malapane et al., 2022). Studies have also investigated the social
3440 background of Zulu traditional healers, including spiritualists and herbalists, to document their roles
3441 as TM practitioners (Motau, 2022; Moeta et al., 2022; Hamanyanga, 2019).

3442

3443 Intensive research focusing on the challenges and prospects of the South African National IKS Policy
3444 (2004) in integrating African Traditional Medicine and Healing Practices (TMHP) among the Zulu
3445 people of KwaZulu-Natal, South Africa, was still lacking. Therefore, this study endeavoured to
3446 contribute new knowledge and methodological approaches to fill this gap. The study was based on
3447 the argument that despite its divergence from the Western empirical and laboratory-based scientific
3448 paradigm, the Indigenous Knowledge System (IKS) holds equal validity and efficacy. This validity
3449 stems from its development through the comprehensive comprehension and documentation of natural
3450 phenomena and the iterative refinement of practices over time, rooted in sound scientific principles.

3451 While governments have historically prioritized science and technology as pivotal elements within
3452 growth and development agendas, the pervasive influence of Western knowledge systems in Africa
3453 has resulted in a situation where healing practices within local African contexts are often framed
3454 within Western epistemologies and value systems. Recognition of scientific expertise tends to be
3455 confined to adherence to Western, standardized, and homogenous practices. In contrast, the
3456 Indigenous Knowledge Systems (IKS) Policy provides a framework to promote and enhance the
3457 contribution of traditional medicine to social and economic development in South Africa.

3458

3459 The study started from the theoretical premise propagated by the advocates of the historical
3460 particularism paradigm, who believe that each society has a distinctive historical trajectory and
3461 comprehending a society necessitates understanding how its unique cultural and environmental
3462 contexts intersect as a historical process. People live in diverse cultural and ecological settings that
3463 influence their systems of knowing, knowledge production, and value systems, including traditional
3464 medicines and social practices. This implies the existence of a diversity of knowledge and belief
3465 systems, which necessitates the recognition of complementarity rather than competition in the global
3466 pool of knowledge. Western knowledge systems promote the idea that there is a universal worldview
3467 and knowledge system, thereby marginalizing other knowledge systems, especially indigenous
3468 knowledge systems and African traditional medicine.

3469

3470 Based on this consideration, the research emphasized the cultural importance of socioeconomic and
3471 demographic factors among the Zulu people. It also delved into the knowledge, awareness, and
3472 perceptions of Traditional Health Practitioners and their clients regarding the South African National
3473 Indigenous Knowledge Systems (IKS) Policy 2004 and related legislation. Additionally, it explored
3474 their opinions on the governance practices surrounding Traditional medicine and its integration into
3475 modern healthcare. These perceptions guided the theoretical and methodological approach to this
3476 study. This study on Zulu people's beliefs and practices of traditional medicine contributes to the
3477 debate that although indigenous knowledge Systems (IKS) as a field of inquiry is a recent
3478 phenomenon, it has gained a theoretical and methodological momentum by exposing the diversity of
3479 ways of knowing and value systems existing in the life of African indigenous communities. The next
3480 section presents the summary of the chapter.

3481

3482 **3.6 Chapter Summary**

3483 The chapter elucidated the theoretical framework that underpins the research conducted. This
3484 framework is based on several theories, including social cognitive learning, public policy, rational,

3485 and implementation policy. These theories have provided the researcher with a means to elucidate,
3486 predict, and challenge the current understanding of information within the confines of critical
3487 assumptions. This understanding has highlighted how theories and frameworks can offer a proficient
3488 way of generalizing findings across diverse settings within implementation research. Moreover, it has
3489 the added benefit of situating the presented knowledge within a larger epistemological and logical
3490 context.

3491

3492 Additionally, this chapter has explored each theory's origins, proponents, strengths, weaknesses, and
3493 connections to the use of traditional medicine. The author has also advocated for the government's
3494 implementation of policies that support the formal operation of traditional medicine in South Africa,
3495 providing the opportunity to make informed decisions regarding traditional medicine and its benefits.
3496 Consequently, the Department of Science and Innovation, in conjunction with its Departments of
3497 Health throughout the country, should take action, leading to the implementation of policy regarding
3498 traditional medicine in the country.

3499

3500 Finally, the researcher has established the interconnection between the theories employed in the study
3501 and related methodological approaches. These theories foster cultural and ecological diversity,
3502 ultimately supporting traditional medicine in South Africa. Each theory is crucial until the
3503 implementation of Indigenous Knowledge Systems (IKS) policy and act.

3504

3505

Chapter Four: Methodology of the Study

3506

3507 4.1 Introduction

3508 Chapter Three provided a critical analysis of the conceptual and theoretical frameworks of the
3509 research. This provided a critical theoretical and conceptual understanding of the research work
3510 already done on the study problem. Chapter Four presents an in-depth account of the methodological
3511 approach used in conducting the study.

3512

3513 The study followed an indigenous mixed methods approach. This approach required that the collected
3514 data reach and draw from the past, occupy and inform the moment, and project into the future. As an
3515 Indigenous research methodological approach to the study, participants guided and embodied the
3516 research process and results. The community, not the researcher, held ownership, control, access, and
3517 data protection. The researcher was part of the research process in the co-knowledge production with
3518 research participants on local community views on the IKS National Policy in the context of African
3519 traditional medicine. Considering the holistic, multi-disciplinary, and transdisciplinary nature of
3520 traditional medicine, mixed research methods involved sampling study cases, data collection and
3521 analysis, and quantitative and qualitative study areas, including socioeconomic and demographic
3522 characteristics of the research participants.

3523

3524 The overall goal of using the mixed-methods research design was to provide a better and deeper
3525 understanding of the research problem and research questions within the context of the research
3526 participants. Collecting different kinds of data from different sources provided a wider range of
3527 coverage, leading to a fuller picture of the problem under study than would have been achieved
3528 otherwise (Ebneyamini and Moghadam, 2018; Hendren et al.,2018).

3529

3530 Considering the cultural and ecological specific nature of indigenous knowledge systems such as
3531 traditional medicine, the study followed a comparative case study approach of two ecologically
3532 different study areas in KwaZulu-Natal Province. This was based on the consideration that case
3533 studies offer an opportunity to innovatively learn from real-world experiences and influence the
3534 practice of conceptual, theoretical, and methodological frameworks (Queirós et al., 2017; Ebneyamini
3535 and Moghadam, 2018; Rashid et al., 2019).

3536

3537 4.2 The Study Sites and Population

3538 South Africa has nine provinces, and KwaZulu-Natal province is the only province that has attempted
3539 to integrate IKS into its Provincial Growth and Development Strategy (PGDS) as part of the

3540 provincial knowledge economy. The promotion of traditional medicine is one of the areas emphasized
3541 in its provincial IKS development strategy. The researcher collected data from two different
3542 ecological regions of KwaZulu–Natal province, i.e. uMkhanyakude and uGu district municipalities.
3543 It is, however, important to mention that while this study was conducted in two different ecological
3544 regions, there are many reasons to believe that local communities from both regions shared related
3545 traditional medicinal practices. Communities from both uMkhanyakude and uGu district
3546 municipalities shared IsiZulu as a related indigenous language.

3547

3548 Furthermore, the local communities have long depended on traditional knowledge, such as traditional
3549 medicine, for survival. However, even though they are categorized as a single tribe, their localities,
3550 including ecological systems, differ. The arid uMkhanyakude District in the North differs from the
3551 tropical uGu District in the South of KwaZulu-Natal Province. This impacted the assessment of their
3552 traditional medicinal knowledge and healing practices. To this end, it was worth examining the
3553 manifestations of traditional medicine and healing practices in the two cultural and ecological zones.
3554 This gave the researcher an opportunity for an in-depth understanding of the research problem from
3555 the perspective of local communities in both study areas (De Vos et al., 2011; Babbie, 2020; Kankam,
3556 2020).

3557

3558 In the following map 4.1, eThekweni is shaded white and labelled "E", the district municipalities are
3559 shaded in other colours, and the local municipalities are numbered. Figure 4.1 also summarises the
3560 study population.

3561

3562

3563

3564

3565

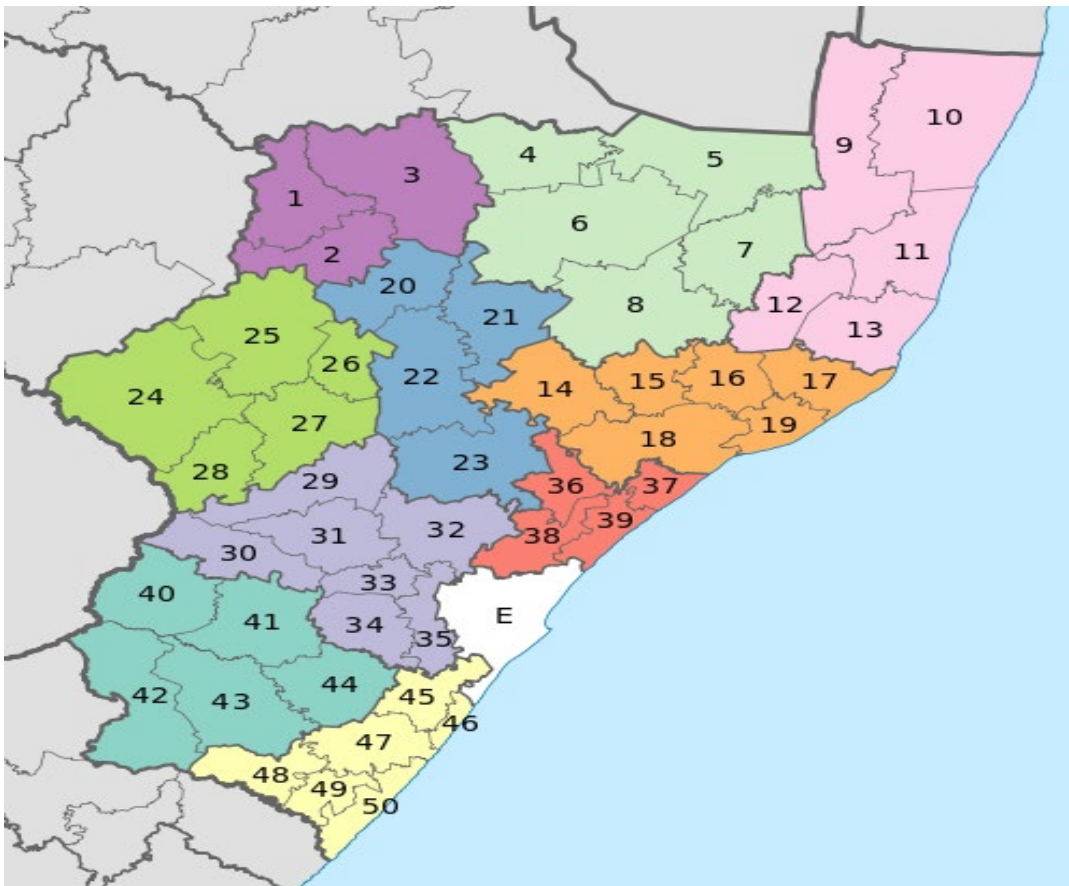
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3571

3572 *Figure 4.1. Districts and metropolitan municipalities in KwaZulu-Natal (Source: STATSA 2011)*

3573

3574 *Table 4-1. Study sites and study population (Source: STATSA 2011)*

District and metropolitan municipalities						
Map key	Name	Code	Seat	Area (km ²)	Population (2011)[1]	Pop. density (per km ²)
1-3	Amajuba District Municipality	DC25	Newcastle	6,911	499,839	72.3
E	eThekweni Metropolitan Municipality	ETH	Durban	2,292	3,442,361	1,501.90
36-39	iLembe District Municipality	DC29	KwaDukuza	3,269	606,809	185.6
40-44	Sisonke District Municipality	DC43	Ixopo	11,127	461,419	41.5
45-50	Ugu District Municipality	DC21	Port Shepstone	5,047	722,484	143.2
29-35	uMgungundlovu District Municipality	DC22	Pietermaritzburg	8,934	1,017,763	113.9
9-13	uMkhanyakude District Municipality	DC27	Mkuze	12,821	625,846	48.8
20-23	uMzinyathi District Municipality	DC24	Dundee	8,589	510,838	59.5
24-28	uThukela District Municipality	DC23	Ladysmith	11,326	668,848	59.1
14-19	uThungulu District Municipality	DC28	Richards Bay	8,213	907,519	110.5
4-8	Zululand District Municipality	DC26	Ulundi	14,799	803,575	54.3

3575

3576

3577 4.3 Sampling Procedure

3578 The sampling procedure for the study was predominantly purposive and snowball. Obilor (2023)
 3579 defines a purposive sample as one that is selected based on the knowledge of a population's
 3580 characteristics and the study's purpose. Traditional healers in the study districts were purposively

3581 selected due to their experience and knowledge of ATM in their specific cultural and ecological
3582 communities. Gender construct was considered because of the tendency to neglect female traditional
3583 healers in research and policy development (Ogana and Ojong, 2015). Women were given a higher
3584 representation (60%) than men (40%) in the sample, as the traditional healing profession and practices
3585 among the Zulu communities tend to be female-dominated. Most clients also tended to be women
3586 (Nelms and Gorski, 2006; Mathibela et al., 2015).

3587

3588 The sampling procedure was guided by the context in which IKS as a knowledge system was managed
3589 in the two study areas, i.e. African traditional medicine and healing, which was categorized as
3590 specialized knowledge because only specific people (male and female) in the local communities had
3591 this professional knowledge. Therefore, by assisting community leaders and African traditional
3592 medicine organizations as gatekeepers, the researcher could select at least five traditional healers from
3593 each of the selected local municipalities. uGu District had six (6) local municipalities, namely
3594 Hibiscus Coast, Eziqoleni, uMuziwabantu, Vulamehlo, Umzumbe and Umdoni; and uMkhanyakude
3595 had five (5) local municipalities namely Hlabisa, Jozini, Mtubatuba, the Big 5 False Bay and
3596 uMhlabuyalingana.

3597

3598 Through a snowball sampling, the selected traditional healers identified at least five (two male and
3599 three female) among their clients for interviews and focus group discussion participation. The purpose
3600 was to provide both gender categories of healers and their clients with an equal opportunity to express
3601 their views on the role of African traditional medicine and healing in the public health care system
3602 within the context of the National IKS policy (Creswell & Creswell, 2017; Parker et al., 2019). A
3603 total number of 55 traditional healers (22 male and 33 female) and 275 (110 male and 265 female) of
3604 their clients were selected due to resource constraints, giving the total number of 330 participants in
3605 the study. The criteria used to select participants were also based on the age factor (35 years and
3606 above). This considered that among the Zulu people, age was associated with accumulating
3607 experience, wisdom, and knowledge of a specific social practice and competency.

3608

3609 **4.4 Data Collection Methods**

3610 The choice of data collection methods used in this study was based on the researcher's personal
3611 experience and preference, the population being researched, the projected audience for findings,
3612 available financial resources, time, and other available resources (Hathaway, 1995). According to
3613 Asenahabi (2019), a research design is a detailed plan outlining the study, a set of guidelines and
3614 instructions to address the research problem. This study was constructed around the historical

3615 particularism conceptual framework to explore how different schools of thought have embraced this
3616 approach and how it is applied in African Indigenous Knowledge Systems, specifically promoting
3617 traditional medicine in the KwaZulu-Natal province. This theory is rooted around the work of Franz
3618 Boas (1920), who argues that “each culture is unique and comprehensible only on its terms and,
3619 subsequently, it is not freely adapted to the cross-cultural generalizations and broad evolutionary
3620 diagrams that were common in the late nineteenth centuries,” i.e. the culture of each society has its
3621 uniqueness closely related traits and own distinctive historical development (Diah et al., 2014).

3622

3623 Boas advocated a holistic and descriptive approach to studying culture while challenging the scientific
3624 ambitions that led anthropologists to propose laws of change and social organization (Calhoun, 2002;
3625 Werbner, 2020). Based on his principle that cultural theories should be derived from concrete
3626 ethnographic data, Boas strongly advocated fieldwork. He believes that ethnographic fieldwork
3627 should consist of a three-fold approach to include an assessment of environmental impact on the
3628 society in question, pertinent psychological factors, and, importantly, historical connections, as he
3629 believes that each society is a product of its historical circumstances. He developed the method of
3630 participant observation as a basic research strategy of ethnographic fieldwork. This is based on the
3631 opinion that using detailed ethnographic studies makes a society understandable only in its specific
3632 cultural context, especially its historical process. Historical particularists value fieldwork and history
3633 as critical methods of cultural analysis.

3634

3635 Considering traditional medicine's cultural and ecological specificity, two ecologically different
3636 districts of uGu and uMkhanyakude in KZN province have different cultural characteristics that
3637 impact their traditional medicinal practices. This is even though they are both IsiZulu speaking. This
3638 study used more than one method for data collection (the process of triangulation). According to
3639 Babbie & Mouton (2001) and du Preez (2018), triangulation is advantageous in social research
3640 because it eliminates biases from single-method studies. Triangulation was used in this study to
3641 compare research findings from focus group discussions, questionnaires, and policy reviews,
3642 including the researcher's reflexive role and influence in the analysis process.

3643 ***4.4.1 A Questionnaire***

3644 The study used a questionnaire with both closed and open-ended questions to collect both quantitative
3645 and qualitative data. Patten (2016) and McLeod (2018) define a questionnaire as a “written list of
3646 questions, the answers to which are recorded by respondents”. Respondents read the questions in a
3647 questionnaire, interpret what is expected, and then write down the answers.” As the researcher is not
3648 available to clarify the questions, these questions should be simple, clear, and relatively easier to

3649 comprehend. Leung (2001) argues that a questionnaire must be structured in a way that is easy to
3650 peruse and pleasing to the respondent, and the order of questions must be comfortable to track.
3651 According to (McDowell, 2006), a questionnaire must be structured in a two-way communication
3652 manner. This implies respondents must have an impression that somebody is conversing with them.
3653 A communicating statement elucidating the significance of the inquiry should precede so that the
3654 respondents will not hesitate to respond. In the context of this research study, the respondents were
3655 dispersed over an extensive geographical expanse. Consequently, the researcher had to employ a
3656 questionnaire, as it would have been extremely expensive to interview them individually.

3657

3658 The questionnaire used in this study had both open-ended questions (for qualitative data) and close-
3659 ended questions (for quantitative data). According to Züll (2016) and Baburajan et al. (2020), the
3660 possible responses are not given in an open-ended question. In the case of a questionnaire, the
3661 respondent writes down the answers in their own words where they can. In a closed-ended question,
3662 the possible answers are set out in the questionnaire, and the respondent or the investigator ticks the
3663 category that best describes the respondent's answer.

3664

3665 Creswell and Creswell (2017) summarise the advantages of the questionnaire. These advantages
3666 motivated the researcher in this study to employ this research instrument. The questionnaire was less
3667 expensive as the researcher did not have to interview respondents individually, saving time and
3668 financial and human resources. It also provided greater secrecy in the absence of a direct interaction
3669 involving the respondents and interrogator. Questionnaires allow the collection of both subjective and
3670 objective data in a large sample of the study population to obtain statistically significant results,
3671 especially when resources are limited.

3672

3673 Considering the multi and transdisciplinary, community, and cultural-based nature of IKS as a new
3674 area of study within African traditional medicine, research methods must be as inclusive as possible.
3675 IKS has its epistemology, etymology research methods, and value systems, especially when dealing
3676 with traditional healers. This study's methodological approach to data collection was predominantly
3677 qualitative (Bryman, 2008; Bryman, 2008a; Creswell, 2013; Braun et al., 2017). Interactive research
3678 methods such as interviews with traditional healers and their clients, direct observations, focus group
3679 discussions, and questionnaires formed the core instruments of data collection. This has allowed the
3680 researcher to interact with the IK holders and practitioners in the study communities. A structured
3681 questionnaire composed of closed and open-ended questions was used to collect qualitative and
3682 quantitative data, including the socio-economic and demographic profiles of the research participants.

3683

3684 A structured questionnaire is one in which the questions are precisely decided in advance. The
3685 questionnaire in this study was used as an interviewing method, where the questions are asked exactly
3686 as they were written, in the same sequence, using the same style, for all interviews. Considering the
3687 use of a structured - questionnaire in the form of an interviewer-administered, Cheung (2014) states
3688 that a Structured questionnaire is a document that consists of a set of standardized questions with a
3689 fixed scheme, which specifies the exact wording and order of the questions, for gathering information
3690 from respondents. Closed or structured questionnaires are a research method advocated by Emile
3691 Durkheim (1858 – 1917). It is a positivist research method with low researcher involvement and a
3692 high number of respondents.

3693
3694 Interviews are primarily done in qualitative research and occur when researchers ask one or more
3695 participants general, open-ended questions and record their answers. Often, audiotapes are utilized to
3696 allow for more consistent transcription (Bolderston, 1012; Creswell, 2013). The researcher often
3697 transcribes and types the data into a computer file to analyze it after interviewing. Interviews are
3698 particularly useful for uncovering the story behind a participant’s experiences and pursuing in-depth
3699 information about a topic. Usually, open-ended questions are asked during interviews in hopes of
3700 obtaining impartial answers, while closed-ended questions may force participants to answer in a
3701 particular way (Creswell, 2013; Afolayan & Oniyinde, 2019). Interviews provide useful information
3702 when participants cannot be directly observed. Interviews have advantages over self-completion
3703 questionnaires (Kawulich, 2005; Mohajan, 2018).

3704
3705 The interview was necessary because the interviewer could explain questions the respondent could
3706 not understand and ask for further elaboration of replies. The interviewer could control the context
3707 and the environment in which the interview takes place. Therefore, the interviewer made sure that the
3708 questions were asked and answered in the correct order and that the interview took place in an
3709 appropriate setting, which was conducive to accurate responses. In short, the presence of an
3710 interviewer allowed for complex questions to be explained, when necessary, to the interviewee and
3711 to complete information with greater understanding. The researcher acknowledges the challenges of
3712 data analysis, especially when dealing with more qualitative data. To overcome such, the researcher
3713 ensured the analysis was done using NVivo (version 11.4). This computer software helps discover
3714 more from qualitative and mixed methods data, uncover richer insights, and produce articulated,
3715 defensible findings backed by rigorous evidence.

3716
3717 Considering the cultural nature of IKS and traditional medicine in particular, whose knowledge
3718 holders and practitioners are illiterate and speak their language, it was necessary to translate all the

3719 research instruments into isiZulu. The majority of traditional healers in KwaZulu-Natal are illiterates
3720 and speak solely their local language. Language is central in all phases, from data collection to
3721 analysis and representation of the textual data in publications. Language barriers are most likely to
3722 occur in the first phase of a qualitative study when interview data need to be translated into the
3723 researcher's language (van Nes et al., 2010). If the interview is translated, the information is distorted.
3724 The interview was very important for this study because the researcher realized the importance of
3725 language in indigenous cultural research. The Researcher is familiar with the isiZulu language. To
3726 overcome the language barrier in this research, the questionnaire was translated into the local
3727 language, and all Interviews were conducted in isiZulu. Before the fieldwork, the researcher
3728 personally visited the potential area of research to familiarize himself with the area and acquire the
3729 gatekeeper's permission. The research period lasted between four and five months. Random visits
3730 were carried out beyond the interview period to endorse certain observations and get more elaborate
3731 answers to particular issues.

3732

3733 **4.4.2 Focus Group Discussions**

3734 The researcher conducted six Focus Group Discussions (FGD) comprising six to ten members.
3735 According to Yates (2004), FGD differs from an interview as it compasses a group of people instead
3736 of a single participant. In this research study, the FGD method helped the researcher get the
3737 participants to discuss themselves. The participants were selected based on their knowledge of the
3738 indigenous knowledge systems as traditional healers and their patients. Getting these research
3739 participants together to discuss among themselves was an easy and quickest means of collecting
3740 qualitative data in less time than would be with individual interviews. One of the added advantages
3741 of using this method is that members tend to be more open in a group setting, and the dynamics and
3742 interactions within the group can enrich the quality and quantity of information needed to answer the
3743 research questions.

3744

3745 One drawback of focus group discussions is that participants are placed in an artificial environment,
3746 which can influence the responses generated. In the FGD, participants are grouped in a meeting room,
3747 and they may behave differently from how they behave when they are not watched, which might
3748 affect the quality of research results (Morgan, 1996; Nyumba et al., 2018). However, the researcher
3749 countered these disadvantages using various data collection techniques. The overall objective of using
3750 various data collection methods was to understand people's knowledge and experience of the research
3751 problem. The combination of focus group discussions, participant observation, and questionnaires

3752 provided a better understanding of the research problem from the community's cultural perspective
3753 through interaction.

3754

3755 ***4.4.3 Participant Observation***

3756 Questionnaires and focus groups alone were insufficient to gather the information required to answer
3757 all the research questions. They were complemented by participant observation to improve the
3758 validity of the findings. Bergold and Thomas (2012) and Pearson and Poveda (2016) define a
3759 participatory approach as a methodology that argues for the possibility, significance, and usefulness
3760 of integrating research partners in the knowledge-production process. Research subjects are
3761 considered co-producers of knowledge (Streck, 2016), and the research community can participate in
3762 the research process. In addition to serving as participants, traditional healers in this study identified
3763 and selected other clients as study participants defined the problem, and interpreted data from their
3764 cultural perspectives. A participatory approach is intended to reduce power imbalances and offset
3765 biases. This approach assumes that researchers are not eyewitnesses but rather take part in a research
3766 situation (Haradhan, 2018). Hence, the researcher maintained a constant high level of self-critical
3767 awareness and reflected on their actions, perceptions, and how these were presented.

3768

3769 In qualitative research, participant observation has been used in various disciplines to collect data
3770 about people, processes, and cultures. Participant observation has been a trademark of anthropological
3771 and sociological studies for many years. This study also used participant observation because of the
3772 benefits that are associated with this method, as outlined by Allen (2017), Myasar (2019), and
3773 Spradley (2020).

3774

3775 For Allen (2017), participant observation is the process of entering a group of people with a shared
3776 identity to gain an understanding of their community. This is achieved by gaining knowledge and a
3777 deeper understating of the research site's actors, interactions, scenes, and events. The main aim of
3778 participant observation is to gain close and intimate familiarity with a given group of individuals
3779 (such as a religious, occupational, or subcultural group or a particular community) and their practices
3780 through an intensive involvement with people in their natural environment, usually over an extended
3781 period (Spradley, 2020). The researcher encounters their sample population through a passive
3782 position, specifically through observing the interactions of the sample while remaining apart from the
3783 behavioural decisions made by the individual or the group. However, the observer purposefully
3784 monitors the sample population and seeks to identify the frequency of specific behaviours or
3785 outcomes (Myasar, 2019).

3786

3787 The rationale for participant observation is embedded in the belief that natural behaviours are more
3788 likely to represent certain traits within the group, such as shared perceptions or beliefs. It enables
3789 researchers to obtain insights into what it feels like to be another person and to understand the world
3790 as others experience it (Baum et al., 2006). Austin and Sutton (2014) described participant
3791 observation as a useful tool in qualitative and quantitative research that describes activities,
3792 behaviours, actions, conversations, interpersonal interactions, organization or community processes,
3793 or any other aspect of observable human experience. Observation can also be used as a stand-alone
3794 tool for exploring participants' experiences, whether or not the researcher is a participant in the
3795 process (Austin and Sutton, 2014). The observation was critical in both the administration of the
3796 questionnaire and focus groups, as nonalignment between verbal and nonverbal data frequently could
3797 result from sarcasm, irony, or other conversational techniques that might have been confusing or open
3798 to interpretation.

3799

3800 Participant observation provides several advantages over other data collection methods and is used to
3801 increase the study's validity. Validity becomes stronger with the use of additional strategies. Like any
3802 other research method, participant observation presents its benefits and shortfalls. However, the
3803 number of benefits exceeds the shortfalls. The benefits raised by Kawulich influenced the choice of
3804 participant observation method. According to Kawulich (2012), participant observation;

- 3805 • Provides researchers with ways to check for nonverbal expression of feelings, determine who
3806 interacts with whom, grasp how participants communicate with each other, and check for how
3807 much time is spent on various activities;
- 3808 • Allows researchers to check definitions of terms that participants use in interviews, observe
3809 events that informants may be unable or unwilling to share when doing so would be impolitic,
3810 impolite, or insensitive, and observe situations informants have described in interviews,
3811 thereby making them aware of distortions or inaccuracies in the description provided by those
3812 informants;
- 3813 • It helps the researcher have a better understanding of the context and phenomenon under
3814 study; and
- 3815 • It is used as a way to increase the validity of the study. It produces rich qualitative data that
3816 shows a picture of how people live. Researchers can see for themselves. Validity becomes
3817 stronger with the use of additional strategies used with observation, such as interviewing,
3818 document analysis, surveys, questionnaires, or other quantitative methods.

3819

3820 She acknowledged that advantages and disadvantages are going together. It is impossible to talk about
3821 the advantages without touching on the disadvantages. She thus points out that several issues, such
3822 as age, appearance, class, ethnicity, gender, language, and nationality, may impact the researcher's
3823 acceptance in the community (Kawulich, 2012). Kawulich (2012) further elaborates that all
3824 researchers should expect to experience a feeling of having been excluded at some point in the
3825 research process, particularly in the beginning. Some reasons they mention for a researcher's not being
3826 included in activities include a lack of trust, the community's discomfort with an outsider, and
3827 potential danger to the community or the researcher.

3828

3829 The ultimate goal for the research design using participant observation is to develop a holistic
3830 understanding of the phenomena under study that is as objective and accurate as possible, given the
3831 method's limitations. However, the researcher was aware that one of the limitations of using
3832 participant observation as a technique is that sometimes, researchers are not easily accepted in the
3833 communities where they are conducting their research.

3834

3835 The strength of using participant observation is that it deals not with what people say they do but
3836 what they do, to the extent their behaviour is open to observation and insofar as observation is as
3837 objective as it seems (Myasar, 2019). Most anthropologists note the need for the researcher to
3838 maintain a sense of objectivity through distance when doing observation. This study's observations
3839 were made concurrently with questionnaire administration and focus group discussions (Nyumba et
3840 al., 2018). Most of the time, when traditional healers were visited, they would volunteer to take me
3841 to their working space. The researcher was allowed to question some of the issues observed. This
3842 made it easier for traditional healers to explain further some issues by just showing me.

3843

3844 Some of the issues that were observed were:

- 3845 • Most traditional healers operate from home, with their offices as an outbuilding next to the
3846 main house
- 3847 • Children and grandchildren are involved from a very young age, as early as seven. Some of
3848 these kids can explain the use of some medications. They can easily deliver first aid in cases
3849 of emergency in the absence of the traditional healer. This indicates how indigenous
3850 knowledge is transferred from one generation to the next.
- 3851 • On the one hand, though these are deep rural areas, some traditional healers had beautiful
3852 houses, and most of their clients coming for traditional medicine were rich and drove
3853 expensive cars. I could observe so many cars in and out of the compound of one traditional
3854 healer, denoting the frequency of traditional medicine by people of different social and

3855 economic standing. I spent almost six hours waiting before I could see the traditional healer.
3856 When asked why he was that busy, he responded that he is a strong traditional healer, which
3857 is why rich people always come to him.

- 3858 • On the other hand, some other traditional healers had just normal rural houses. I was curious
3859 to know the choice of traditional healers in the community from the client's perspective.

3860

3861 ***4.4.4 Documentary Analysis***

3862 A document can be defined as “an artifact which has as its central feature of an inscribed text.
3863 Documents are produced by individuals and groups in the course of their everyday practices and are
3864 geared exclusively for their own immediate practical needs” (Mogalakwe,2006:222). Sankofa (2022)
3865 defines document analysis as qualitative research that systematically analyses documentary evidence
3866 and answers specific research questions. Bowen (2009) describes this as a form of qualitative research
3867 in which documents are interpreted by the researcher to give voice and meaning to an assessment
3868 topic. Document analysis is, therefore, considered a systematic review or evaluation of documents.
3869 Like other analytical methods in qualitative research, analyzing documents requires coding content
3870 into themes similar to how focus groups or interview transcripts are analyzed. It requires repeated
3871 review, examination, and interpretation of the data to gain meaning and empirical knowledge of the
3872 studied construct (Bowen,2009).

3873

3874 There are several reasons why the researcher has chosen to use document analysis. Firstly, document
3875 analysis is a more efficient and effective way of gathering data since documents are accessible, easily
3876 manageable, and less time-consuming (Bowen,2009). Secondly, many documents are free, available
3877 in the public domain, and obtainable without the authors’ permission, making this more cost-efficient.
3878 It is often the method of choice when collecting new data is not feasible. The data (contained in
3879 documents) have already been gathered. What remains is for the content and quality of the documents
3880 to be evaluated. Thirdly, documents are ‘unobtrusive’ and ‘non-reactive’. They are unaffected by the
3881 research process. Lastly, documents are stable, exact, provide broad coverage, and are suitable for
3882 repeated reviews because the presence of the researchers does not modify what is being studied
3883 (Merriam, 1988; Croker, 2009).

3884

3885 The disadvantages of document analysis are not so many limitations since they are mere concerns to
3886 be cognizant of before choosing or using the method. Bowen (2009) states that the initial concern to
3887 consider is that documents are not formed with data research agendas, necessitating some
3888 investigative skills. Some documents may partly provide useful data or sometimes none at all. Some

3889 others will not provide the necessary information required to answer research questions. Other
3890 documents may be incomplete, or their data may be inaccurate or inconsistent. Sometimes, document
3891 gaps lead to more searching or reliance on additional documents than planned. In addition, some
3892 documents may not be available or easily accessible (Bowen, 2009).

3893

3894 Another concern is the potential presence of biases in a document and from the researcher. Both
3895 Bowen and O’Leary state that it is important to thoroughly evaluate and investigate the subjectivity
3896 of documents and your understanding of their data to preserve the credibility of your research (2009;
3897 2014).

3898

3899 The researcher was well aware of all the advantages and limitations and why he embraced evaluating
3900 the quality of all documents gathered. He was prepared to encounter some challenges or gaps when
3901 employing document analysis. Concerns surrounding document analysis were easily avoided by
3902 having a clear process that incorporates evaluative steps and measures exemplified by O’Leary’s two
3903 eight-step processes. As long as a researcher begins document analysis knowing what the method
3904 entails and has a clear process planned, the advantages of document analysis will likely far outweigh
3905 the number of issues that may arise. Before the actual document analysis took place, the researcher
3906 went through a detailed eight steps planning process, as outlined by O’Leary (2014), to ensure
3907 reliability: 1) Created a list of texts to explore; 2) Considered how texts were to be accessed with
3908 attention to linguistic or cultural barriers; 3) Acknowledged and addressed biases; 4) Developed
3909 appropriate skills for research; 5) Considered strategies for ensuring credibility; 6) Knew the data one
3910 was searching for; and 7) Considered ethical issues; and Had a backup plan.

3911

3912 O’Leary (2014) identifies three primary types of documents to be analyzed: public records, personal
3913 documents, and physical evidence. The analysis in the current study focussed only on public records,
3914 which are the official, ongoing records related to IKS policy. The document reviews were designed
3915 to identify the agencies that formulated and implemented the IKS policy.

3916

3917 The researcher collected data from IKS documentation centres, various agencies, and government
3918 departments working on issues related to IKS and traditional medicine. These documents gave an
3919 understanding of the perceived challenges of IKS policy in promoting African traditional medicine
3920 in South Africa. They also revealed how the communities in KZN responded in the wake of such
3921 challenges. Documents in this study section were used to support information from questionnaires,
3922 observations, and focus discussions (Yin. 1990). They were also used to access information that was
3923 impossible to get from observations.

3924

3925 **4.5 Data Analysis**

3926 An in-depth analysis of relevant secondary data sources based on content was performed. Secondary
3927 sources included books, journals, newspaper reports, and policy documents obtainable through the
3928 library, research units, and online research. Secondary sources provided critical conceptual issues and
3929 past research experiences necessary to understand the research work already done on the research
3930 problem. This gave guidance to the contribution of this study both conceptually and empirically.

3931

3932 Data gathered for this study was analyzed both qualitatively and quantitatively. Wong (2008) and
3933 Sutton & Austin (2015) state that data analysis involves making sense of huge amounts of information
3934 gathered from research and bringing out meaning from data. The researcher analyzed qualitative data
3935 using thematic content methods. Elo and Kyngas (2008) define content analysis as the process of
3936 analyzing verbal or written communication in a systematic way to measure variables qualitatively
3937 interpreted and discussed thoroughly in the study. It is a systematic method for analyzing textual
3938 information in a standardized way that allows assessors to make inferences about that information.
3939 This method was used to understand patterns of shared understanding and experience amongst
3940 participants and any variability in those patterns. Five steps outlined by Terre Blanche et al. (2014)
3941 were key in analysing the study findings. This means that the focus was on searching within
3942 transcripts for the emergence of patterns of shared understanding and themes.

3943

3944 Sutton and Austin define theming as the drawing together of codes from one or more transcripts to
3945 present the findings of qualitative research coherently and meaningfully (Sutton and Austin, 2015).
3946 The advantage of going through this process is that it allowed the researcher to present the data using
3947 quotations from the individual transcripts to illustrate the source of the researchers' interpretations.
3948 Thus, when the findings were organized for presentation, each theme became a section's heading.

3949

3950 Interviews and participant observation notes were typed and analyzed through content analysis. In
3951 content analysis, the researcher classifies key ideas in a written communication, such as an article or
3952 a report. The researcher also used content analysis to analyze responses to open-ended questions from
3953 the questionnaire. Classifying numerous texts and words in much fewer content categories is a central
3954 idea in content analysis (Weber, 1990:12; Drisko & Masch, 2016). Information obtained from
3955 questionnaires, focus group discussions, and participant observation was analyzed by categorizing
3956 the data into themes to answer the research questions.

3957

3958 On the one hand, quantitative data emanating from close-ended questions, such as the socio-
3959 demographic characteristics of participants, were entered into the Statistical Package for Social
3960 Sciences (SPSS, version 24). Descriptive statistics were performed to describe the socio-demographic
3961 characteristics of the respondents (Bless et al., 2013). The researcher used frequency distribution by
3962 grouping the respondents into subcategories. The incorporation of both the quantitative findings and
3963 the qualitative results was done concurrently. On the other hand, Qualitative data emanating from
3964 open-ended questions were analyzed using the NVivo (version 11.4).

3965

3966 **4.6 Reliability and Validity of Data**

3967 Reliability denotes the reproducibility of the data, and validity denotes the extent to which data is
3968 factual and truthful (Hamed, 2016). Reliability refers to the stability of findings, whereas validity
3969 represents the truthfulness of findings (Haradhan, 2017). Reliability refers to a measurement that
3970 supplies consistent results with equal values. It measures the consistency, precision, repeatability, and
3971 trustworthiness of research. It indicates the extent to which it is unbiased and ensures consistent
3972 measurement across time and the various items in the instruments (Haradhan, 2017). The validity of
3973 a research instrument assesses the extent to which it measures what it was designed to measure
3974 (Robson, 2011). Validity explains how well the collected data covers the actual area of investigation.
3975 It means “measure what is intended to be measured”. Validity requires a research instrument
3976 (questionnaire) to correctly measure the concepts under the study (Pallant, 2011).

3977

3978 The purpose of validity and reliability in this research was to increase transparency and decrease the
3979 probability of recording researchers' biases in qualitative research (Singh, 2014). For all secondary
3980 data, a detailed assessment of reliability and validity involved a review of appropriate methods used
3981 to collect data. To ensure that the information derived from research data accurately reflects the truth
3982 about the phenomena under investigation, different research methods were used. Triangulation often
3983 describes using multiple methods or data to develop a comprehensive understanding of phenomena
3984 (Patton, 2015). It is defined as using multiple research methods to assess the validity and reliability
3985 of data-gathering methods. Renz and colleagues state that triangulation is one method that helps
3986 increase the validity, reliability, and legitimation, which encompasses credibility, dependability,
3987 confirmability, and transferability of research findings (Renz et al., 2018).

3988

3989 Hence, triangulation was used to test validity by converging information from multiple sources to
3990 ensure a more complete perspective. The use of triangulation was an effective way to ensure cross-
3991 referencing of sources. In conducting this study, the researcher made a great effort to ensure the

3992 validity and reliability of the research findings. Empirical evidence largely determines the validity of
3993 any study (Long, 2014). Besides using empirical data in questionnaires and FGDs, the researcher
3994 carried out validation checks through all stages of the study to guarantee the maximum level of data
3995 precision. The researcher clarified evidence that might be imprecise or absent by reverting to
3996 respondents and revising issues and ideas. Participant observation was used as a way to increase the
3997 validity of the study, as observations helped the researcher have a better understanding of the context
3998 and phenomenon under study. The validity was strengthened with the combination of participant
3999 observation with additional strategies such as interviews, document analysis, and questionnaires were
4000 used with observation.

4001

4002 **4.7 Ethical Considerations**

4003 Ethics relates to how a researcher treats participants in the study (Simelane-Mnisi, 2018). Research
4004 ethics is specifically interested in analyzing ethical issues raised when people are involved as
4005 participants in research (Shamoo and Resni, 2015). According to them, there are three objectives in
4006 research ethics. The first and biggest objective is to protect human participants against any harm due
4007 to research activities. The second objective is to ensure that research is conducted to serve the interests
4008 of individuals, groups, and/or society. Finally, the third objective is to examine specific research
4009 activities and projects for their ethical soundness, looking at risk management, confidentiality
4010 protection, and the informed consent process (Shamoo and Resni, 2015).

4011

4012 To support the above assertion, Pieper & Thomson (2014) maintain that research should be based on
4013 mutual trust, acceptance, respect and cooperation, and well-accepted conventions and expectations
4014 between parties involved in research. The fact that human beings are objects of study in the social
4015 sciences brings unique ethical problems to the researcher. The researcher obtained data from primary
4016 as well as secondary sources and therefore observed several ethical issues during the research process
4017 as discussed below:

4018

4019 **4.7.1 Informed Consent**

4020 The researcher sought the consent of every respondent before administering the research instruments.
4021 The researcher informed the respondents and participants that their participation in the study was
4022 voluntary. They had the choice to participate or not, including the choice to withdraw from the study
4023 at any time they felt like doing so. The researcher obtained approval from participants to record the
4024 interviews and FGD. Nevertheless, the researcher still took down notes on key issues raised during

4025 interviews and FGDs. The researcher listed all questions about the interviews and FGD on the
4026 informed consent sheet each participant must sign.

4027

4028 ***4.7.2 Anonymity and Confidentiality***

4029 In addition to obtaining the consent of participants, the researcher ensured that they presented their
4030 views anonymously. The study disclosed neither the names nor identities of the participants in any
4031 form throughout the study. Their genuine names were kept anonymous to protect participants, and
4032 pseudonyms were used when referring to their personal experiences. The researcher provided an
4033 environment of comfort and trust throughout the study. This was necessary to facilitate the greatest
4034 flow of views and insights from each participant. This was enhanced by the researcher's ability to
4035 speak the isiZulu local language.

4036

4037 ***4.7.3 Anti-Plagiarism***

4038 Plagiarism is a serious crime in every university, as it involves stealing intellectual property. The
4039 researcher acknowledged and referenced all authors' ideas to avoid the same.

4040

4041 **4.8 Chapter Summary**

4042 The chapter discussed the research methodology used to carry out the study. This research used the
4043 mixed approach indigenous knowledge research paradigm. Due to traditional medicine's cultural and
4044 ecological specificity, the researcher collected data from two ecologically diverse KwaZulu–Natal
4045 province regions, i.e., uMkhanyakude and uGu district municipalities. The sampling procedures for
4046 the study were purposive and snowballing. The study used mixed research methods, including a
4047 questionnaire, in-depth interviews, focus group discussions, and documentary sources to collect data.
4048 The researcher ensured the research findings' validity and reliability, including adhering to ethical
4049 considerations.

4050

4051

4052 **Chapter Five: Comparative Cultural Significance of Socioeconomic and -**
4053 **Demographic Variables of Research Participants**

4054

4055 **5.1 Introduction**

4056 The preceding chapter discussed the methodology of the study. This chapter focuses on the
4057 comparative research participants' socio-economic and - demographic characteristics from the Zulu
4058 people's cultural perspectives. This is based on the following considerations:

4059

4060 Firstly, like other forms of knowledge production, this study on indigenous knowledge about
4061 traditional medicine and healing systems among the Zulu people in KwaZulu-Natal province has an
4062 interest in identifying patterns of knowledge regarding natural resources and the variables influencing
4063 the production process and uses of that knowledge, at the local community and global scale.
4064 Ethnobiological studies, such as traditional medicine and healing systems, have identified a range of
4065 variables that can interfere with the knowledge of natural resources in social-ecological systems. This
4066 is attributed to the fact that it is a structural component of local medical and healthcare systems.
4067 Considering the holistic and multi-and transdisciplinary nature of African indigenous knowledge
4068 systems on traditional medicine and healing systems, the socio-economic and demographic variables
4069 that affect these systems include age group, gender, marital status, and religious affiliations variables.

4070

4071 Secondly, in the Western research paradigm, local community members' socioeconomic and
4072 demographic characteristics, including their African Traditional Healthcare Practitioners (ATHPs),
4073 tend to be viewed from a statistical perspective. This neglects the cultural meanings attached to them
4074 by the research participants in their respective cultural communities, especially how they influence
4075 the production of knowledge and uses of that local knowledge and associated resources. Therefore,
4076 this study examined these variables as statistical variables and included their cultural meanings and
4077 importance, particularly in the context of African traditional medicine and healing systems among
4078 the Zulu people in the study areas (uGu and uMkhanyakude district municipalities). These variables
4079 were related to cultural practices such as rites of passage, age group, gender, marital status, spiritual
4080 relationships, and issues of traditional medicine and healing practices among the community
4081 members. Nelson-Becker & Sangster (2019) refer to a rite of passage as a celebration of the life
4082 passage that occurs when an individual moves socially and culturally from one age group to another.
4083 It involves a significant change of status in society.

4084

4085 This chapter presents the comparative socio-demographic characteristics of the research participants,
4086 from the Zulu people's cultural perspectives, in both uGu and uMkhanyakude districts in KwaZulu-
4087 Natal, South Africa. These cultural perspectives are presented as research participants' narratives
4088 drawn from the data produced through interviews and focus group discussions (FGDs). The main
4089 themes emerging from this objective are depicted in the following sections.

4090

4091 **5.2 Age Group Distribution of Research Participants**

4092 According to Agbo-Ajala and Viriri (2019), an age group refers to a group of people in a place or
4093 organization who were born during a particular period. For instance, among the Zulu people of the
4094 uGu district (south coast of KwaZulu-Natal province) and uMkhanyakude districts (north coast of
4095 KwaZulu-Natal province), South Africa, an age group did not represent a mere number but rather
4096 had a significant cultural meaning attached to it.

4097

4098 The understanding that arose from the research participants regarding the cultural meaning of age
4099 group was the high regard given to one's mental ability as opposed to chronological age. In-depth
4100 interviews and focus group discussions with both ATHP research participants and their clients
4101 revealed how the age group was culturally determined. For example, Ubaba Mhlongo, an ATHP
4102 from uMkhanyakude district municipality, had the following to say about the Zulu cultural
4103 determination and meaning of an age group:

4104

4105 *“Umuntu angaba neminyaka engamashumi amabili nanhlanu (25) enomqondo*
4106 *othatha kancane wokucabanga kanti ngakolunye uhlangothi umuntu oneminyaka*
4107 *eyishumi nesishiyagalombili (18) angahle abe nengqondo futhi nokuzibophezela*
4108 *emphakathini¹.”*

4109

4110 According to Ubaba Mhlongo, in Zulu indigenous culture, community elders do not emphasize a
4111 person's age, expressed by the number of years, but on a person's character, reflecting one's mental
4112 ability and maturity. For instance, a person might be twenty-five (25) years of age with minimal
4113 mental ability. On the other hand, an eighteen (18) year old person may be fit and mentally and
4114 socially responsible.

4115

4116 One of his clients, Ubaba Mazibuko from the uMkhanyakude district municipality, confirmed and
4117 elaborated on this.

¹ Over 70-year-old female Traditional Healer from uMkhanyakude district.

4118

4119 *“Mntanami, angikwazi ngempela ukuyisho iminyaka yami yangempela*
4120 *ngenombolo ngoba ngazalelwa ekhaya futhi ukuzalwa kwami kwakungabhalisiwe*
4121 *ngokusemethethweni. Engikwaziyo ukuthi iminyaka yami ibukeka iminingi. Kodwa-*
4122 *ke, ngingahle ngithi ngineminyaka engamashumi ayisishiyagalombili nambili (82)*
4123 *ngokucabanga iminyaka yabangane bami umama wami ungitshela ukuthi sazalwa*
4124 *ngonyaka ofanayo futhi sakhula ndawonye njengezingane endaweni efanayo.*
4125 *Lapho sizithola sigqolozela emnyangweni wezindaba zasekhaya kwizicelo*
4126 *zamakhadi omazisi ekugcineni kobandlululo, sichaze izigameko ezenzeka*
4127 *ngonyaka esazalwa ngawo noma ngeminyaka embalwa emva kokuzalwa kwethu*
4128 *okulandisa kwesinye isikhathi esingakukhumbula njengabantwana ukuze sithole*
4129 *usuku olufanele lokuzalwa. Sasikhiqiza amakhadi ethu okubhabhadiswa noma nini*
4130 *lapho bekhona. Ngokusekelwe kulokho, izikhulu zezaseKhaya zazinikeza*
4131 *isilinganiso esibi seminyaka yethu².”*

4132

4133 My child, I cannot tell my actual years in number. I was born at home, and my date of birth
4134 was not officially registered. However, I consider myself eighty-two (82) years of age
4135 considering the age of my friends, whom my mom told me were born in the same period
4136 and we grew together as children in the same community. When we found ourselves queuing
4137 at the Department of Home Affairs for identity card applications at the end of apartheid, we
4138 would describe events that happened during the year or period we were born. There are
4139 several common experiences and events we can recall as children. We would produce our
4140 baptism cards whenever they were present. Based on that, home affairs officials gave a
4141 rough estimate of our years.

4142

4143 Most older adults in both research communities believed they had the wrong birthdays
4144 registered on their identity documents. The number of years at the time of the identity
4145 document’s application was either reduced or increased because of inaccuracy at the time
4146 of registration. Therefore, both Ubaba Mhlongo and Ubaba Mazibuko could affirm their age
4147 groups based on information gained from their peers. Table 5.1 shows the comparative
4148 percentage age group distribution of the ATHP research participants in the study district
4149 municipalities, KwaZulu-Natal province.

4150

² Informal conversation with N. Mpofana, Hibiscus Coast local municipalities, 14 April 2018.

4151 **Table 5-1. Comparative Percentage Age Group Distribution of the African Traditional**
 4152 **Healthcare Practitioners (ATHPs) Research Participants in study district municipalities,**
 4153 **KwaZulu-Natal Province**

uGu district			uMkhanyakude District		
Age Group	Frequency	Percentage	Age Group	Frequency	Percentage
30-39	08	27	30-39	05	20
40-49	07	23	40-49	06	24
50-59	11	37	50-59	07	28
60-69	02	07	60-69	05	20
70-79	01	03	70-79	01	04
80 and above	01	03	80 and above	01	04
Total	30	100	Total	25	100

4154

4155 Table 5.1 shows that most ATHP research participants in the uGu district municipality (73%) and
 4156 uMkhanyakude district municipality (80%) were 40-49 and above. This implies that most of them in
 4157 both study district municipalities were older adults. The large proportion of older adults in the study
 4158 sample was influenced by the high regard community leaders had for older adults as custodians of
 4159 indigenous knowledge about traditional medicine and healing systems, including knowledge of
 4160 community natural resources in the study areas. In-depth interviews and FGDs with ATHPs in both
 4161 study areas confirmed this.

4162

4163 The study was also interested in determining the views of the ATHPs' clients on the cultural
 4164 significance of the age group variable. Table 4.2 shows the comparative percentage age group
 4165 distribution of ATHP participants' Clients in the study district municipalities, KwaZulu-Natal
 4166 province.

4167

4168 **Table 5-2. Comparative Percentage Age Group Distribution of the African Traditional**
 4169 **Healthcare Practitioners (ATHPs) Research Participants' Clients in the study district**
 4170 **municipalities, KwaZulu-Natal Province**

uGu District			uMkhanyakude District		
Age Group	Frequency	Percentage	Age Group	Frequency	Percentage
Under 20	20	13	Under 20	22	18
20-29	37	25	20-29	39	31
30-39	38	25	30-39	32	26

40-49	16	11	40-49	13	10
50-59	15	10	50-59	13	10
60-69	17	11	60-69	03	02
70-79	06	04	70-79	02	02
80 and above	01	01	80 and above	01	01
Total	150	100	Total	125	100

4171

4172 Table 5.2 indicates that most ATHP research participants' clients (63% in the uGu district
4173 municipality and 75% in the uMkhanyakude district municipality) in the study District Municipalities
4174 were 30-39 and below. This implies that they were mostly younger than the ATHP research
4175 participants. In-depth interviews and focus group discussions (FGDs) with both revealed that higher
4176 age groups, especially ATHP research participants, were associated with wisdom and
4177 professionalism in holistic knowledge and experience in traditional medicine and healing practices.
4178 Elderly ATHPs were considered by both as custodians of these community-based knowledge
4179 systems. The following section discusses the gender distribution of research participants.

4180

4181 **5.3 Gender Distribution of Research Participants.**

4182 Sociologically, gender describes the characteristics of women and men that are socially and culturally
4183 constructed, while sex refers to those that are biologically determined. People are born female or
4184 male but learn to be girls and boys who grow into women and men (WHO,2015).

4185

4186 In the context of African traditional medicine and healing systems, gender is one of the socio-
4187 economic, cultural, and demographic variables that has been widely studied to understand whether
4188 traditional medicine and healing systems, including knowledge of medicinal plants, vary with gender,
4189 and how it influences the socio-cultural structure of local traditional medical and healing systems,
4190 including practices. The objective of such studies is to ascertain whether there is a gender-based
4191 pattern in knowledge systems at different levels of society that could characterize the influence of
4192 gender on the structure of local medical and healing systems. This could contribute to the
4193 understanding of the way predictive variations in knowledge can relate to the gender variable.
4194 Moreover, understanding the variation in knowledge between the genders on African traditional
4195 medicine and healing systems at different scales and local community levels is crucial for heritage
4196 conservation as it enables the creation of community-based strategies and public policies to this
4197 effect.

4198

4199 This section explores the comparative socio-economic and cultural significance and interpretation of
 4200 gender constructs in the context of traditional medicine and healing systems among the Zulu people
 4201 in the study areas.

4202

4203 Table 5.3 shows the comparative percentage gender distribution of the ATHP research participants
 4204 in the study areas.

4205

4206 ***Table 5-3. Comparative Percentage Gender Distribution of the African Traditional Healthcare***
 4207 ***Practitioners (ATHPs) Research Participants in the study district municipalities, KwaZulu-Natal***
 4208 ***Province***

uGu District			uMkhanyakude District		
Gender	Frequency	Percentage	Gender	Frequency	Percentage
Male	13	43	Male	10	40
Female	17	57	Female	15	60
TOTAL	30	100	TOTAL	25	100

4209

4210 Table 5.3 shows that most ATHP research participants in the study areas (uGu District, 57% and
 4211 uMkhanyakude District, 60%) were females. This was attributed to the fact that the identification and
 4212 selection of the ATHPs were not limited to those who are professionally known at the community
 4213 level but were done through focus group discussions and snowball methods where other ATHPs could
 4214 be identified at all levels, including family levels. These were predominantly female ATHPs. The
 4215 study was interested in establishing the gender distribution of their main clients. The results are
 4216 reflected in Table 5.4.

4217

4218 ***Table 5-4. Comparative Percentage Gender Distribution of the ATHPs Participants' Clients in***
 4219 ***the study district municipalities, KwaZulu-Natal Province***

uGu District			uMkhanyakude district		
Gender	Frequency	Percentage	Gender	Frequency	Percentage
Male	61	41	Male	48	38
Female	89	59	Female	77	62
TOTAL	150	100	TOTAL	125	100

4220

4221 Table 5.4 shows that most ATHP research participants' clients in the study district municipalities
 4222 (uGu District, 59% and uMkhanyakude District, 62%) were female. In-depth interviews and focus

4223 group discussions with ATHPs and clients revealed that the clients included children at the family
4224 level.

4225

4226 Consequent to their social and cultural as grandmothers, mothers, wives, and daughters, Zulu women
4227 were in charge of health, diagnosing illnesses, and knowing the prognosis of family and other
4228 household members. They were the first call for implementing the first treatments. Women and girls
4229 were responsible for collecting plants and other resources, including firewood; hence, they had a wide
4230 knowledge and lived experience of traditional medicines and other holistic aspects, which constituted
4231 a holistic perspective on health as defined by the World Health Organization (WHO, 2005):

4232

4233 *"a state of complete physical, mental and social well-being and not merely the absence of*
4234 *disease and infirmity."*

4235

4236 WHO (2019) also defines Traditional Medicine as: "the total of the knowledge, skills, and practices
4237 based on the theories, beliefs, and experiences indigenous to different cultures, whether explicable or
4238 not, used in the maintenance of health as well as in the prevention, diagnosis, improvement ..."

4239

4240 Table 5.3 and Table 5.4, supported by information from the in-depth interviews and FGDs,
4241 demonstrate that women as ATHP and their female clients were actively involved in Zulu's traditional
4242 medicine and healing practices at local community levels.

4243

4244 One woman ATHP in the uGu district municipality, who was very knowledgeable about traditional
4245 healing systems across cultures, expressed the sentiments that testimonies across cultures worldwide
4246 on traditional medicine and healing systems, revealing a time when only women knew the secrets of
4247 life and death. Hence, women alone could practice the magical art of healing. Mji (2019) supports
4248 this assertion by indicating that the dissonance between women's talents and fate deserves much
4249 attention. It demonstrates the evolution of contemporary societal institutions that marginalized
4250 women's voices. These perpetuate a crisis of lack of gender balance in public healthcare, including
4251 the relationships between healthcare and the environment upon which life itself is dependent.

4252

4253 (Mji, 2019) elaborates that the introduction of Western science, mostly in Africa, destroyed the
4254 symbiotic relationship between women, the main sources of healthcare at home and family level, and
4255 their relationship with the natural environment as the source of traditional medicines and healing
4256 systems.

4257

4258 The muscularization of healthcare and medicine in Africa was worsened by the alliance of corporate
4259 power and money, whereby the traditional healthcare system, which was a caring profession under
4260 women, became part of a class system dominated by men in medical institutions, including medical
4261 schools and establishment of laboratories in which women have limited access. Women were mostly
4262 delegated to nursing professions. In the case of Zulu traditional medicine and healing practices, male
4263 ATHPs in local communities became more prominent and visible at the expense of female ATHPs.
4264 Gogo Ntuli from uMkhanyakude district municipality elaborates:

4265

4266 *“Ngokwesintu abesifazane abangamaZulu babengabagcini bemithi yesintu kanye*
4267 *nokwelashwa. Kwakungabelaphi abakhulu ababeyazi imithi yesintu kanye nemikhuba*
4268 *yokwelapha, eqashelwa umndeni nomphakathi wonkana. Ukwethulwa kwezinhlelo zesimanje*
4269 *zokunakekelwa kwempilo kwenza abesifazane bamaZulu balahlekelwa ukubaluleka kwabo*
4270 *ezinhlelweni zendabuko zokunakekelwa kwezempilo. Kuyinamhlanje abesifazane*
4271 *bangabahlengikazi ezibhedlela, bagcwele izibhedlela ezilapha ngokwesilungu , abaphathi*
4272 *babo odolotela besilisa, abanye basiza odolotela besilisa emasejari abo.”*

4273

4274 Gogo Ntuli indicates that, traditionally, Zulu women were the custodians of traditional medicine and
4275 healing practices. They were the main healers who knew the traditional medicines and healing
4276 practices the family and community recognized. The introduction of modern healthcare systems made
4277 Zulu women lose their relevance in the traditional medical healthcare systems. Women have now
4278 become like nurses in modern hospitals who are submissive to the male-dominated medical
4279 profession. Gogo Gumbi from uGU elaborates:

4280

4281 *“Abesifazane babengabagcini bolwazi lwendabuko kodwa manje sebelahlekelwe yilokhu.*
4282 *Sesingaphansi kwabesilisa ngendlela yokuthi uma inyanga iyalela isiguli ngokwelashwa,*
4283 *kuba umthwalo wowesifazane ukuthi alungiselele, futhi anikeze isiguli ukwelashwa.*
4284 *Asisavunyelwe ukuxilonga iziguli, Imisebenzi yethu ayihlukile neyabahlengikazi abahlale*
4285 *belindele ukuthi odokotela benze izeluleko futhi banikeze nemithi.”*

4286

4287 Women were the custodians of traditional knowledge, but they have now lost this. We are
4288 subordinates to men in such a way that when a healer prescribes treatment to the patient, it becomes
4289 the woman's responsibility to prepare and administer the treatment. We have been stripped of the
4290 ability to diagnose patients; our jobs are no different from that of nurses who rely on doctors to guide
4291 and prescribe medicines.

4292

4293 Churches, industries, and sports have contributed heavily to the masculinization of the medical and
4294 healthcare professions (Wojczewski et al., 2015). In medical and healthcare institutions, for example,
4295 matrons have been placed in positions of power to undermine and persecute other women for the gain
4296 of the hegemony of men (Mji, 2020). Gogo Madlopha from the uGu district municipality explains:

4297

4298 *“Sesingaphansi kwabesilisa ngendlela yokuthi uma inyanga iyalela isiguli ukwelashwa, kuba*
4299 *wumthwalo wowesifazane ukuthi alungiselele futhi anikeze isiguli ukwelashwa.*
4300 *Asisavunyelwe ukuxilonga iziguli; izindima zethu azihlukile kwezabahlengikazi abahlale*
4301 *belindele ukuthi odokotela babonane futhi basinike imithi. Ukwandiswa kwamadoda*
4302 *ekuphatheni kwezinhlelo zokunakekelwa kwezempilo kwendabuko emiphakathini yethu,*
4303 *bambalwa abesifazane ababesetshenziswa njengoMatron futhi banikezwe isikhundla*
4304 *samandla emiphakathini yethu ukuze sisize ukuphusha uhlelo lwamadoda. Umkhakha*
4305 *wezokwelapha ogcwele abesilisa ubuka labomatron besifazane ngokwezinga elithile ngenxa*
4306 *yeqhaza abalibambayo.”*

4307

4308 Gogo Madlopha expressed the view that women had become subordinate to men in a way where, for
4309 instance, when a healer prescribes treatment to a patient, it becomes the responsibility of the woman
4310 to prepare and administer the treatment. She mentioned that they were no longer permitted to diagnose
4311 patients; their roles seemed akin to nurses who wait for doctors to perform consultations and prescribe
4312 medication. Additionally, she highlighted the exacerbation of male predominance in managing
4313 traditional healthcare systems. She noted that a few women were used as Matrons and given positions
4314 of power to further men's agendas, contributing to the male-dominated landscape. She conveyed that
4315 the male-dominated traditional medical world looked down upon these women Matrons due to their
4316 roles.

4317

4318 Dahl-Michelsen (2014) further points out that nursing was not the only women's health profession in
4319 the masculinization of the medical profession. The end of the Second World War emphasized services
4320 for persons with disabilities, and professions such as physiotherapy, occupational therapy, and speech
4321 and language therapy within the rehabilitation field were born. From the outset, the so-called allied
4322 health professions emphasized submissiveness and conformity to the male-dominated medical
4323 profession.

4324

4325 One female ATHP in the uGu district municipality argued that even though human beings need to be
4326 cared for to survive the different stages of life (illness, childbirth, old age, and childhood) because
4327 this work is viewed as 'women's work,' it is not given monetary value equivalent to the true value

4328 and worth. Our families, specifically women, are not remunerated according to the true value of their
4329 work. This situation is made worse by the silence of modern women, who neglect the fact that
4330 according to the African indigenous perspective, every woman is a mother to every child of the village
4331 and the world. Gogo Makanya from the uGu district municipality elaborates:

4332

4333 *“Nakuba abantu bedinga ukunakekelwa ukuze baphile ezigabeni ezihlukahlukene zokuphila*
4334 *(ukugula, ukubeletha, ukuguga nobuntwana), ngoba umsebenzi wokunakekela ubhekwa*
4335 *‘njengomsebenzi wabesifazane,’ awunikezwa inani lemali elilingana nokubaluleka*
4336 *nokufaneleka kweqiniso. Imindeni yethu, ikakhulukazi abesifazane, ayikhokhelwa*
4337 *ngokwenani langempela lomsebenzi wabo.”*

4338

4339 Gogo Makanya highlighted that despite the necessity of care for survival in different life stages like
4340 sickness, childbirth, old age, and childhood, the undervaluation of care work, often labelled as
4341 'women's work,' is not compensated adequately in monetary terms. She emphasized that families,
4342 particularly women, are not remunerated based on the genuine value of their labour.

4343

4344 Gogo Zulu, who is a client of one of the ATHPs in the Makhanyakude district, expressed her views
4345 on the issues of health, age, and gender. She argued that African women become more powerful and
4346 autonomous in old age. This is based on the view that despite their age, they can assume new roles
4347 and duties that will be conducted caring and lovingly, with expertise and experience gained through
4348 years of understanding, knowledge, and lived experience. She complained that due to the dominance
4349 of Western healthcare, the voices and contributions of older African women, especially in the rural
4350 areas, were rarely heard on issues of healthcare for family and community, as it was in the olden days.
4351 Consequently, very little research has explored how older African women contribute to their
4352 communities' health, economy, and social capital. This contribution is rarely researched or
4353 documented. For instance, in most African societies, where deaths due to AIDS are prominent, older
4354 people, specifically women, as grandmothers, have become a pillar of strength and survival to AIDS
4355 orphans. Gogo Zulu explains:

4356

4357 *“Abesifazane base-Afrika babanamandla futhi bazimele lapho sebekhulile. Ngaphezu*
4358 *kweminyaka yobudala, owesifazane angakwazi ukuthwala izindima nemisebenzi emisha*
4359 *okufanele yenziwe ngendlela yokunakekela nothando ngenxa yobuchwepheshe nolwazi*
4360 *oluzuzwe ngeminyaka yokuqonda, yolwazi, nolwazi olukhaliphile. Kodwa-ke, ngenxa*
4361 *yokubusa kokunakekelwa kwezempilo kwasentshonalanga, amazwi namagalelo abesifazane*
4362 *abadala base-Afrika, ikakhulukazi ezindaweni zasemakhaya, ayengavamile ukuzwakala*

4363 *ngezindaba zokunakekelwa kwezempilo emndenini nasemphakathini, njengoba kwakunjalo*
4364 *ezinsukwini zakudala.”*

4365

4366 Gogo Zulu asserted that African women embody strength and independence as they mature. She
4367 pointed out that apart from age, a woman can assume additional responsibilities requiring meticulous
4368 attention and affection, drawing from the expertise and insight accumulated through years of
4369 experience, learning, and sagacity. She also pointed out that the prevalence of Western healthcare
4370 practices led to limited recognition of the perspectives and input of older African women, particularly
4371 in rural settings, regarding family and community healthcare matters, akin to past times.

4372

4373 Considering the WHO's holistic approach to healthcare, the contribution made by these older African
4374 women needs to be recognized and valued as lay health experts who family and friends regularly
4375 consult. This includes a greater understanding and documentation of the knowledge of these women.
4376 The negative assumptions and perceptions about the age group, gender, and ill health in mainstream
4377 society need to be challenged. Older women's role in fostering a spirit of belonging, participation,
4378 and identification in the local community needs to be encouraged, as well as their role in promoting
4379 empowerment and change. Data on social participation indicate that older African women in rural
4380 communities are more active than older men in terms of voluntary work, group membership, and
4381 attendance at social events, including healthcare.

4382

4383 Women's dual roles as caregivers and receivers, especially those caring for people with disabilities,
4384 have been underestimated. During focus group discussions in both study areas with ATHPs and their
4385 clients, the older male participants were less vocal than their female counterparts on gender-related
4386 issues in Zulu traditional medicine and healing systems. For instance, the elderly female research
4387 participants were more articulate on the issue of the empowering role of women when describing the
4388 Zulu indigenous older women as active ritual leaders and the repositories of spiritual healing
4389 knowledge. They indicated having reared children, not necessarily their own, into adulthood and
4390 having acquired the necessary knowledge, skills, and lived experience befitting the status of ritual
4391 leaders in their respective families and communities. They revealed that through cultural and place-
4392 based ceremonies, they nurture; through their health and curing rituals, they resolve conflicts and
4393 restore social harmony; and through love rituals, they manage emotions. Thus, their major
4394 responsibility as ritual leaders is love, nature, and health. As part of their nurturing nature, they see
4395 themselves as the custodians of 'the growing up' of people and nature and maintaining the
4396 harmonious relationship between people and their natural environment. They use certain rituals to
4397 affirm their commitment and intention to 'grow up' country and kin.

4398

4399 Gogo Qwabe in uGu elaborated that during apartheid in South Africa, it was against the law to
4400 practice traditional healing. Despite these legal prohibitions, Zulu indigenous healing practices
4401 continued to thrive. The challenge now rests with integrating this knowledge into the highly
4402 developed and dominant Western medical system. Previous attempts have shown that practitioners
4403 of the Western medical system are resistant to integration, claiming that indigenous healing practices
4404 are generally dangerous; instead, they prefer to influence the traditional side to change and embrace
4405 Western medical practices. Gogo Qwabe explains:

4406

4407 *“Ngesikhathi sobandlululo eNingizimu Afrika, kwakuphambene nomthetho ukwelapha*
4408 *ngokwesintu. Ngaphezu kwalemithetho evimbelayo, izindlela zokwelapha zomdabu zamaZulu*
4409 *ziyaqhubeka nokudlondlobala.”*

4410

4411 Gogo Qwabe mentioned that traditional medicine faced prohibition under the apartheid regime in
4412 South Africa. Despite these stringent regulations, she highlighted that traditional Zulu healing
4413 practices persisted and thrived.

4414

4415 However, Kroneman et al. (2016) show that attempts to integrate the two medical systems have shown
4416 positive results in some Western countries, such as the Netherlands, Norway, and Sweden. Low
4417 maternal mortality rates were reported by the early 19th century in these countries. These were
4418 attributed to extensive collaboration between physicians and locally available midwives, especially
4419 in rural areas. However, these local community birth attendants were phased out over time due to the
4420 introduction of biomedically trained midwives.

4421

4422 Cross et al. (2019) show that similar approaches were experienced in the Guatemalan healthcare
4423 system, where health authorities tried refashion Mayan midwifery's vocational framework according
4424 to Western medical principles. The ongoing privileging of biomedical knowledge created an
4425 environment that favoured health personnel and enabled them to extend their influence on the
4426 indigenous Mayan midwives into the community. The Mayan traditional birth attendants encouraged
4427 kneeling or squatting during delivery. Nevertheless, these positions were frowned upon by Western-
4428 trained biomedical midwives. They argued that with these positions, the child descends with too much
4429 force, and the afterbirth can become stuck within the mother or be expelled onto the ground. Instead,
4430 they encouraged the lithotomic position (lying flat on the back with knees raised) or semi-reclining.
4431 However, a review of the lithotomic position showed that it was dangerous due to the following
4432 limitations:

4433

- 4434 1. it decreases the size of the pelvic outlet;
- 4435 2. it negatively affects the mother's pulmonary ventilation, blood pressure, and cardiac return,
4436 thereby lowering oxygenation to the fetus;
- 4437 3. it lends itself to the mother pushing too hard for too long and thereby becoming exhausted
4438 before accomplishing what is required, namely, the birth of the baby, which is sometimes
4439 accomplished by external measures such as forceps deliveries or episiotomies.

4440

4441 The above demonstrates the challenges of the clash of ways of knowing between indigenous and
4442 Western cultures and associated knowledge systems. Adatara et al. (2019) indicate that childbirth is
4443 not only biological but cultural as well. African young women and mothers, especially in rural and
4444 other marginalized communities, face a diversity of challenges, as the most physical, individualistic
4445 modern healthcare systems are in contradiction with traditional healthcare systems held by their
4446 parents, which are holistic, caring, and supportive. They do not only have to cope with problems of
4447 poverty and the transition from the rural to an urban environment but also have to deal with levels of
4448 frustration, mistrust, anger, and lost identities.

4449

4450 Although traditionally, Zulu people live in patrilineal and patrilocal communities, where generations
4451 are connected through the father's line, and most Western social scientists tend to argue that they still
4452 live under a patriarchy, in which men serve as heads of almost every important social, cultural, and
4453 political institution including the dominance of knowledge systems. This study demonstrates that in
4454 the context of the holistic nature of Zulu traditional medicine, women knew more than men about
4455 traditional medicinal medicines and healing systems as a knowledge system. The social and cultural
4456 division of labour in most African local communities, including the Zulu people, demonstrates this
4457 aspect.

4458

4459 Torres-Avilez et al. (2016) explain that in gender-based comparative studies of the knowledge of
4460 traditional medicinal medicines, including plants, the social roles of women and girls, who are
4461 classified as wives and daughters, are to be in charge of healthcare of the family including, diagnosing
4462 illnesses, and knowing their prognosis. They are responsible for implementing primary healthcare.
4463 On the contrary, men might be responsible for maintaining the household economy and providing
4464 resources, leading them to know more about natural resources for other family purposes. This aspect
4465 tends to be neglected in discussing Zulu indigenous traditional medicine and healing systems.

4466

4467 Gogo Mpfana, one of the ATHP research participants in the uMkhanyakude District, explains:

4468

4469

“Ubulili bubaluleke kakhulu emasikweni ethu. Kodwa-ke, inhlonipho inikezwa labo

4470

izindima nezibopho zabo ezibalulekile ebukhoneni bemindeni yabo kanye nemiphakathi³.”

4471

4472

Gogo Ntuli had the view that the issues of gender in African indigenous social practices among the

4473

Zulu people, especially in traditional medicines and healing systems, tend to be distorted by Western

4474

knowledge systems and power structures at all levels. The active role of women in traditional

4475

medicine and healing among the Zulu people is marginalized. More men as ATHPs than outsiders

4476

know women, although most of the knowledge and these practices at the family and local community

4477

level are performed by women. Gender is very important in Zulu culture. However, respect is given

4478

to those whose roles and responsibilities are important for the sustained existence of their families

4479

and communities.

4480

4481

Philisiwe Mthabela elaborates further:

4482

4483

“Phambilini abesilisa babethathwa njengabakhulu kunabesifazane kodwa manje isimo

4484

sesishintshe kakhulu. Siyabona manje ukuthi abesifazane sebenikeziwe umthwalo omningi

4485

ukwedlula obekuvunyelwe phambilini futhi banikela kakhulu emindenini yabo

4486

nasemiphakathini. Ngakho-ke, uma ngikhuluma ngokubaluleka kobulili, angibheki ubulili

4487

bakho kepha kunalokho ngibheka iqhaza lakho emphakathini⁴.”

4488

4489

Philisiwe Mthabela elaborated that in the past, there was this notion that men were more significant

4490

than women. But things have shifted significantly. Nowadays, women carry more responsibilities

4491

than before and play a greater part in their families and communities. So, when I emphasize the

4492

significance of gender, I'm not focusing on your gender specifically but rather on your societal role.

4493

The following section discusses the Marital status distribution of research participants.

4494

4495

5.4 Marital Status Distribution of Research Participants

4496

This section looks at marital status as a socio-economic, cultural, and demographic variable from the

4497

Zulu cultural perspective.

4498

³ Conversation with Gogo Mpfana, Hibiscus Coast local municipality in uGu, 14 April 2018.

⁴ Conversation with Mama uMhlabuyalingana local municipality in uMkhanyakude, 02 January 2018.

4499 In the context of African traditional medicine and healing systems, marital status refers to the
 4500 personal status of an individual concerning the marriage laws and customs of a country (United
 4501 Nations, Department of Economic and Social Affairs, Population Division, 2013). In most traditional
 4502 societies, like among Zulu local communities, one's marital status was very important. It played a
 4503 key role in both the cultural and health care system and in one's choice and reasons for choosing that
 4504 particular health care system. This was attributed to the fact that married, unmarried, divorced,
 4505 widowed, or separated people had different ways of thinking and put their beliefs in different aspects
 4506 of life, including healthcare. The cultural aspects of marital status as an important community socio-
 4507 economic, cultural, and demographic variable are not considered in Western ways of knowing and
 4508 knowledge production when investigating the socio-economic and demographic characteristics of
 4509 the ATHPs and their clients in the study areas. Table 5.5 shows the percentage marital status
 4510 distribution of the ATHP research participants in the study district municipalities in KwaZulu-Natal
 4511 province.

4512

4513 ***Table 5-5. Comparative percentage Marital Status Distribution of the African***
 4514 ***Traditional Healthcare Practitioners (ATHPs) Research Participants in study district***
 4515 ***municipalities, KwaZulu-Natal Province***

uGu District			uMkhanyakude district		
Marital Status	Frequency	Percentage	Marital Status	Frequency	Percentage
Single	12	40	Single	09	36
Married	16	53	Married	14	56
Widow/er	02	07	Widow/er	02	08
TOTAL	30	100	TOTAL	25	100

4516

4517 Table 5.5 indicates that most ATHP research participants in the uGu district municipality (53%) and
 4518 in the uMkhanyakude district municipality (56%) were married. The size of married people in the
 4519 study samples was influenced by the high regard community leaders had for married people who
 4520 were considered knowledgeable of the traditions and customs of indigenous peoples, including
 4521 indigenous knowledge about traditional medicine and healing systems in the study areas. In-depth
 4522 interviews and FGDs with ATHPs in both study areas confirmed this.

4523

4524 In-depth interviews and focus group discussions indicated that the majority of the ATHP research
 4525 participants considered marriage to be very valuable for both the youth and older adults, including
 4526 ATHPs. According to research participants, marriage gives one respect and wisdom since it forms a
 4527 significant part of the lives of community members. Hence, marriage was viewed as an important rite

4528 of passage, a great achievement for both men and women in the community, recognized by ancestors,
4529 even in performing rituals related to traditional medicine and healing practices. Gogo Makanya in the
4530 uGu district municipality elaborates:

4531

4532 *“Imindeni eminingi emphakathini yethu, eshadile noma engashadile, ithembele emithini*
4533 *yesintu kanye nokwelapheka endabeni yokunakekelwa kwezempilo. Nokho, umshado*
4534 *emphakathini wawuhlonishwa kakhulu, ngendlela yokuthi abantu abashadile kwakuba yibona*
4535 *abahlonishwa kakhulu kunabangashadile, babe nemibono, futhi balalelwa ngabaningi. Lapho*
4536 *indoda noma owesifazane oshadile akushoyo noma akwenzayo, kubaluleke kakhulu*
4537 *ngokwesiko kunalowo ongashadile.”*

4538

4539 Gogo Makanya expressed the opinion that many families in the local communities, married or not,
4540 rely on traditional medicine and healing in the case of healthcare. However, marriage in the
4541 community was highly valued, so married people were more respected, opinionated, and listened to
4542 than singles. What the married man or woman says or does is more valued culturally than what the
4543 unmarried man or woman says or does.

4544

4545 This shows that marital status in the study communities was viewed as a significant variable related
4546 to traditional medicine and healing practices. Focus group discussions involving traditional medicine
4547 and healing were mostly attended by those who were married, and most had their own families. They
4548 were seen to have the necessary experience to participate in such discussions. People in the study
4549 community believed marriage was closely connected to their ancestors and culture. This view on
4550 marital status does not exist in its Western conceptualization of a statistical socio-economic
4551 demographic variable. There were also many widows and widowers, amounting to 6% (N=2) from
4552 uGu and 8% (N=2) in uMkhanyakude district municipalities.

4553

4554 Like most African traditional communities, the Zulu people, in both the study areas, accord respect
4555 to the institution of marriage. It is highly valued and is recognized as one of the most important
4556 cultural institutions among the local communities. The institution of marriage is a rite of passage that
4557 marks the progression into adulthood and of forming a family. It is also a rite of passage that officially
4558 separates individuals from the parental unit to being parents in their own right. It also defines the
4559 inception of the socially putative time for childbearing. Among the Zulu, marriage as an institution
4560 sets childbearing for both men and women. Like in other African traditional cultural communities,
4561 the institution of marriage is established as the socially acceptable context for childbearing.

4562

4563 Marriage also assigns an important social status, especially for women as future mothers. Among the
4564 Zulu traditional communities, marriage is regarded as the institution that ascribes honour and dignity
4565 to women in their families and the wider society. Outside of marriage, the honour of women of
4566 marriageable age is highly compromised.

4567

4568 Participants in this study expressed that the Zulu, as a Nguni community, believes marriage is the
4569 first and oldest institution ever created and should, therefore, be respected—Zulu people honour,
4570 recognize and respect marriage as one of the most important socio-cultural institutions. A person is
4571 always considered a child and cannot be given certain responsibilities in the community because s/he
4572 is not married. This implies that you should get married for one to be eligible to serve the community.
4573 This implies that the institution of marriage is an important rite of passage that marks the movement
4574 and transition into adulthood among the Zulu people.

4575

4576 Rites of passage are considered as various rituals that an individual undergoes from one stage of life
4577 to another. The transition becomes smooth only once appropriate traditional rituals are performed.
4578 These rituals are considered covenants binding the couple together. They are lubricants allowing
4579 smooth movement to adulthood, said Ubaba Ngcobo, one of the traditional healer participants during
4580 the focus group discussion. He said: “*Amasiko ayizithambisi ezivumela ukunyakaza okushelelayo*
4581 *ekubeni umuntu omdala*”⁵. Translated to “Rituals are lubricants allowing smooth movement to
4582 adulthood”. It is believed among the Zulu people that marriage is not what it is without these rituals.
4583 The couple and the marriage are exposed to misfortune and troubles, such as bareness and
4584 discouragement, if traditional rituals do not occur⁶.

4585

4586 In Zulu tradition, getting married is a cultural expectation when you have reached cultural maturity.
4587 Ubaba Zikhali, a Traditional Health Practitioner from uMkhanyakude, elaborated this:

4588

4589 *“Lapha abantu abashadile baqala ukwakha umkhaya owengeziwe kunokwakha*
4590 *umuntu ngamunye. Ukugxila kuncike ekubeni umuntu ngamunye kodwa kube*
4591 *sekwakhiweni komphakathi nomphakathi wonkana.”*

4592

4593 According to Ubaba Zikhali, when you have reached the right age to get married, the family’s focus
4594 ceases to be on you as an individual but on the growth and the welfare of the family.

4595

⁵ FGD in Mtubatuba local municipality, 06 December 2017

⁶ Informal conversation with Ayanda Zikhali, Mtubatuba local municipality, 06 December 2017

4596 When probed to elaborate more on the issue of marital status in traditional medicine, Ubaba Zikhali
 4597 expressed the view that the marital status of a traditional healer plays a significant role in the
 4598 community, especially when the healer is in consultation with clients of the opposite sex. In the
 4599 traditional healing setting, marital status would impact the healer–client relationship and affect the
 4600 overall quality of healthcare delivery, particularly concerning trust issues. There is a tendency for
 4601 married traditional healers to be more trusted by their clients than their single counterparts.

4602

4603 Table 5.6 shows the comparative percentage marital status distribution of the ATHPs’ research
 4604 participants’ clients in the study district municipalities.

4605

4606 ***Table 5-6. Comparative Percentage Marital Status Distribution of the African Traditional***
 4607 ***Healthcare Practitioners’ Clients in the Study District Municipalities***

uGu District			uMkhanyakude District		
Marital Status	Frequency	Percentage	Marital Status	Frequency	Percentage
Single	46	32	Single	28	22
Married	94	63	Married	87	70
Widow/er	10	08	Widow/er	10	08
TOTAL	150	100	TOTAL	125	100

4608

4609 Table 5.6 shows that most ATHP research participants’ clients in the uGu district municipality (63%)
 4610 and in the uMkhanyakude district municipality (70%) were married. In-depth interviews and FGDs
 4611 with ATHP clients in both study areas revealed that most of the ATHP client research participants
 4612 considered marriage leading to motherhood. According to Nokwazi Mtshali, an ATHP client
 4613 participant in the uGu district, Zulu rites of passage into motherhood were usually conducted within
 4614 formally recognized marital unions. Single mothers were considered to have lost their female value
 4615 in society and were not expected to advise other women and girls on marital issues in the traditional
 4616 Zulu community. These views were equally expressed by Umama Ndlovu, a 58-year-old traditional
 4617 healer, who argued that because of having children before marriage, single mothers tended to be
 4618 perceived to have lost their responsibilities of preserving cultural values. She thus stated:

4619

4620 *“Yini ongayifunda kumuntu ohlulekile ukuba nomndeni? Ngeke umethembe umuntu onjalo*
 4621 *ngoba izeluleko zakhe zingadukisa. Sizobazi ngezithelo zabo.”*

4622

4623 Umama Ndlovu believed that one cannot learn anything from someone who failed to have a family.
 4624 Such a person cannot be trusted because her advice could be misleading.

4625

4626 The focus group discussions revealed the general opinion that one's marital status carried exclusive
4627 cultural privileges outside marriage. For instance, a woman who had a child before marriage was
4628 considered a disgrace to the family and society. Hence, she lost the respect of both the family and
4629 society. Umama Mlambo, an ATHP from uMkhanyakude, had the following to say:

4630

4631 *“Uhlonishwa emndenini wakho nomphakathini wakho kuphela uma ushadile. Uma*
4632 *kwenzeka ukuthi uhlale ungasadi noma uhlukane nomyeni/nkosikazi wakho,*
4633 *uyayeka ukuhlonishwa. Ukuze kuvikeleke isithunzi somndeni, abesifazane*
4634 *bagqugquzelwa ngabadala ukuthi babekezele, baphikelele futhi basebenzise konke*
4635 *ukugcina umshado emakhaya imile. Kuhlala kunjalo ukuthi abadala bazokutshela*
4636 *ukuthi akekho umuntu wesilisa ophelele emhlabeni, yingakho kungekho mshado*
4637 *ophelele njengomphumela. Owesifazane uzokufa ukugcina indlu yakhe iphila.*
4638 *Ngenxa yokuthatha lezozeluleko, abesifazane abaningi badonsa kanzima*
4639 *ngokomuzwa futhi balahlekelwe izimpilo zabo beshiya izingane ngemuva nje*
4640 *ngoba befuna ukufihla ihlazo lomndeni ⁷.”*

4641

4642 According to Mama Mlambo, one earns respect from family and community through marriage. It was
4643 considered a person's (male and female) rite of passage and an important societal institution. Hence,
4644 if a person remained single or was divorced or separated from a spouse, they tended to lose respect
4645 in the family and community. Hence, to protect the dignity of the marriage and family, patience was
4646 encouraged as a value in marital relations. The common advice from elders to young people during
4647 marriage preparation was that no husband or wife is perfect. Hence, a woman might endure the pains
4648 of a marriage relationship due to family expectations.

4649

4650 Tables 5.5 and 5.6 revealed that most ATHPs and their clients were married. Due to these family and
4651 community expectations on the sanctity of the marriage institutions and its challenges, young people,
4652 especially young women, were thoroughly prepared for married life. They were taught about the
4653 responsibilities of married life, including sex and procreation. Many rites and rituals were performed
4654 as part of the wedding ceremony. Of particular significance were rituals meant to purify or bless the
4655 couple. In the Zulu indigenous culture, traditional weddings are quite different and have distinctive
4656 stages. The first stage of Zulu marriage was the payment of lobola and its procedures, followed by
4657 *iZibizo*, where gifts were given to the bride's family. Then came the *uMbondo*, where the bride

⁷ Conversation with Mama Mlambo, Mtubatuba local municipality, 06 December 2017

4658 reciprocated by buying groceries for the groom's family, and lastly, the actual wedding or *uMabo*
4659 would take place.

4660

4661 Marriage rituals were very important during and after the traditional marriage ceremony. It was also
4662 after these ceremonies that the new bride was taught about the beliefs and practices of motherhood.
4663 The traditional Zulu wedding always took place at the groom's family home. The bride would leave
4664 her home early in the morning, covered in a blanket her mother gave her. The bride's father led her
4665 to her new family home. She was advised not to look back to avoid inviting bad luck. The bride's
4666 father will call out the family's clan names, telling the ancestors that his daughter is officially leaving
4667 home to join another family. On arrival at the groom's house, the bride had to walk around the house
4668 to be introduced to her husband's ancestors before entering the home through the kitchen, but nobody
4669 noticed her. The groom's family would pay a penalty for not being aware of the bride, and they should
4670 have gone to fetch her. The bride's family also came early, with the wedding ceremony starting
4671 around midday.

4672

4673 The groom traditionally bought two cows, slaughtered and eaten on the ceremony day. He also
4674 bought a goat that was slaughtered after the head of the family had spoken. The groom's father
4675 opened the ceremony by welcoming his new daughter, with the bride's father also saying some words
4676 to sign that he approved the union. After the ceremony, there was dancing and food. In comparison,
4677 gifts and money were given to the bride's family prior to the wedding. On the day of the *uMabo*, it
4678 was the bride's turn to give the gifts. The exchange of gifts symbolized forming a new bond between
4679 the two families.

4680

4681 The bride's family bought grass mats, blankets for the women, beer pots for the men, and some pieces
4682 of furniture and brooms, which were given out to guests at the wedding by the bridesmaids and sisters
4683 of the bride. The bride sat on a grass mat and refrained from talking or looking at anyone out of
4684 respect while her bridesmaids handed out the gifts. The names of the various people receiving the
4685 gifts were called out individually. The wedding guests would lie on the grass mats before
4686 being covered with a blanket by a family member from the bride's side. They then sang and danced
4687 as a sign of appreciation for the gifts. Older women would be called first, followed by the groom's
4688 sisters, and finally, the men. The groom would be the last person to be called.

4689

4690 After the groom has been called, the bride would get up and make a mock bed, then look for
4691 her husband. When she found him, she would place grass mats on the floor leading to the bed, where
4692 the groom would sit. The bride took a basin with a towel and soap and washed the groom's feet. She

4693 then would pull back the bed covers for the groom to lie down. As part of the drama, the
4694 bridesmaids and other young ladies from the bride's side would hit the groom with small sticks, after
4695 which the groom would run away.

4696

4697 ***5.4.1 Marriage as a source of blessing from God***

4698 African marriages are a spiritual and social family affair, encompassing a combination of two lives
4699 or missions, two families, and even two communities (Malesa & Sekudu, 2022). There is a diversity
4700 of marriage traditions and systems in the African continent. They might not be identical, but they all
4701 share certain core values. Traditionally, the Rite of Marriage represents not only the joining of two
4702 families and even communities but also the joining of the two missions of the new couple. This
4703 means that in addition to performing marriage rites for the coming together of male and female to
4704 procreate, perpetuate life, and join families, it is also an institution to help the husband and wife fulfil
4705 their mission and objectives in life, ensuring that they are working together towards the same goal.
4706 A very high value is placed on marriage in traditional African societies. Baloyi (2022) indicates that
4707 marriage has always been viewed within the African context as an institution that cannot be detached
4708 from cultural and traditional value systems. According to him, the meaning and significance of
4709 marriage are understood within people's cultural affiliations, and these differ from one culture to
4710 another. Every society accepts marriage as vital in maintaining and sustaining that society. It is also
4711 a means through which humans can create a chain of human existence within the parameters of
4712 African indigenous cultural value systems. It plays a central role when two families, communities,
4713 or nations negotiate and legalize a marriage.

4714

4715 Because the focus is on the collective, it is not uncommon that full social standing and adulthood can
4716 only be achieved by marriage. In some societies, marriage is not recognized fully until the wife gives
4717 birth. In Zulu tradition, as in most African societies, marriage is a rite of passage, celebrated,
4718 respected, and held in high esteem. Ogoma (2014) indicates that in the African conception of
4719 marriage and Family, marriage occupies an important position in the affairs of Africans. Without
4720 marriage, there is no family; one cannot bear children without a family. The connection between
4721 marriage and family can hardly be separated among traditional Africans. He argues that a childless
4722 marriage cannot be considered a family from an African cultural perspective because a family
4723 consists of a man, his wife, and a child or children. Since the family is the basic unit of any political
4724 and social organization, erecting it should and was given serious attention among traditional African
4725 societies, especially in rural KwaZulu-Natal. For Zulu people, marriage is the focus of existence. It
4726 is the point where all the community members meet: the departed, the living, and those yet unborn.

4727

4728 Before a wedding occurs among the Zulu, even if there is only a white wedding (Christian wedding),
4729 the bride's family offers a sacrifice, slaughters a goat for her, and burns incense ("*shisa impepho*").
4730 The oldest woman in attendance will spray "*impephu*" (closely associated with the ancestors) on the
4731 couple and other relatives to bless the new union. This is to tell the ancestors that their daughter will
4732 be a member of another family, and after the wedding, the groom's family should also welcome her
4733 with a goat. For *umabo*, the two families slaughter cows (one from each family) and exchange certain
4734 parts of the meat as part of Zulu tradition. Ayanda Zikhali, one of the research participants in
4735 Umkhanyakude District Municipality, explains:

4736

4737 *"uMabo ubalulekile kakhulu kusiko lamaZulu. Umuntu akakashadi kahle kuze kube*
4738 *kwenziwa isiko lomabo. izithandanani ezingawenzanga lomcimbi ziba nenkinga*
4739 *ebudlelwaneni babo, noma ilwele ukuba nezingane. Impilo zezingane nazo zingathinteka,*
4740 *uthi kungani abanye abantu benze lolusiko ngisho ngemuva kokushona komyeni. Izingane*
4741 *zikhwezela nabazali bazo noma ngabe abazali babo bengasekho emhlabeni. Amadlozi*
4742 *akajabuli njengoba umabo ungenziwanga futhi abamuqali umkhwenyana wabo.*
4743 *lezizithandanani kudingeka ukuthi ziqhubeke nenqubo yokuhamba kweminyaka ngemuva*
4744 *kokuhlanguka okokuqala, njengendlela yokujabulisa amadlozi. Kungokusebenzisa umabo*
4745 *kuphela ukuthi amadlozi awamukele umshado wazo⁸."*

4746

4747 Ayanda Zikhali explained that *Umabo* is a very important ritual in Zulu culture. A person is not
4748 properly married until the ritual of *umabo* is performed. Couples who do not perform this ritual will
4749 have trouble in their relationships or struggle to have children. Children's lives can also be affected,
4750 which is the reason why some people have performed this tradition even after the death of their
4751 husbands. Children perform it as well for their parents, even if their parents are dead. The ancestors
4752 are unhappy as *umabo* was not done, and do not recognise their daughter-in-law. The couple will
4753 have to go through the process of "*umabo*" years after they first get together, as this is a way of
4754 appeasing the ancestors. Only through the performance of "*umabo*" will the ancestors recognize their
4755 marriage.

4756

4757 Research participants in both study areas revealed that "*uMabo*" was considered the final and most
4758 important ritual before a Zulu couple could be considered traditionally married. It is traditionally
4759 considered in the Zulu culture that *uMabo* is a ritual that brings together families. In the process, the

⁸ Conversation with Ayanda Zikhali, Mtubatuba local municipality, 06 December 2017

4760 bride is also told what her family and in-laws expect of her. This tradition is how ancestors recognize
4761 the bride; they are believed to bring good luck. It is also a beautiful tradition where people showcase
4762 their traditional attire, sing, and dance. It brings together different elements of the Zulu culture.

4763

4764 While the role of marital status is minimal, it has more influence on becoming a traditional healer.
4765 During the qualitative interview, it was revealed that despite marital status playing a limited role, it
4766 influences client perception of traditional healers and their standing in the local community about
4767 their practice. Examining the marital status of the participants, the findings have shown that 36% and
4768 48% of traditional healer and client participants were single, respectively. There are many reasons to
4769 believe that, given the cultural beliefs of the Zulu and other African communities, single people are
4770 perceived to be young. This shows that young people are also actively involved in the study areas'
4771 cultural practices of medicine and healing systems.

4772

4773 While marital status and its role in the traditional healing profession is discussed, it is worth noting
4774 that marriage in the Zulu community, like any other African community, plays a critical role, mainly
4775 as married people are considered to have some sense of maturity and responsibility. They do play a
4776 critical role in the community's leadership. Many of the women in the study presented interpretations
4777 of marriage, which appears as an obligation to the patriarchal nature of the Zulu custom. Research
4778 participants also revealed that married men and women continue to command far greater respect than
4779 their counterparts who are not married in Zulu society. One could even argue that from the
4780 perspective of the Zulu people interviewed, a male or female only becomes a "man" or "woman" by
4781 being married. High respect for tradition, cultural pride, and the wish to live a dignified life were
4782 significant elements of Zulu manhood and womanhood. Throughout history, Zulu women who were
4783 married and bore children have received considerable recognition in the community, gained status,
4784 and were given certain domestic powers. The social and linguistic Zulu custom known as
4785 "*ukuhlonipha*" (to show respect) is directly linked to Zulu marriage. It regulates, to a large extent,
4786 the power dynamic between Zulu men and women. This is supported by Fandrych (2012). Who
4787 points out that in a patriarchal African cultural system, marriage changes the position of a woman
4788 from being the responsibility of her parents to being the responsibility of her husband and his family.

4789

4790 Participants in this study, particularly women, viewed "*ukuhlonipha*" as the desired component in
4791 marriage. Marriage is taken as a sign of "*inhlonipho*" (respect), in the sense that the bride and the
4792 groom respect their culture and each other and the parents, the extended family, and the community.
4793 Once you are married, you gain respect in the family and the community – as one married female
4794 research participant explained: When you are married, all your family and friends respect you. "*Uma*

4795 *ushadile, wonke umndeni wakho nabangane bayakuhlonipha*". One interviewee, an unmarried
4796 woman, went as far as to say that "*owesifazane ongashadile akahlonishwa*" i.e., a woman who is not
4797 married is not respected.

4798

4799 A married Zulu man and woman gain significant social status in the family and community, and this
4800 position was extremely important to all the research participants. In this context, marriage was
4801 perceived as a reward for "good" behaviour. Traditional African health practitioners have expressed
4802 having a common doctrine, which is appropriately called "*ukuhlonipha amasiko*" in Zulu, which can
4803 be loosely translated as meaning to promote and respect Zulu cultures. Traditional Health
4804 Practitioners also expressed practising and promoting "*ukuhlonipha*" when they meet, during
4805 consultations, and traditional ceremonies.

4806

4807 Female participants viewed marriage as a reward for behaving well and providing a man and woman
4808 additional value. One feature that repeatedly emerged from the data is that "*ukuhlonipha*" is seen
4809 that women assume sole responsibility for the household and childcare, regardless of whether they
4810 are themselves in paid employment as one married female explained: "*Kunezindlela eziningi*
4811 *zokubonisa inhlonipho. Umfazi olungileyo kufanele anakekele indlu. Kumele aphekele umyeni*
4812 *wakhe. Udinga ukuqiniseka ukuthi umyeni uthola ukudla okufudumele nsuku zonke*" i.e. "There are
4813 many ways to show respect. A good wife should take care of the household. She must cook for the
4814 husband. She needs to make sure that the husband has a warm meal every day". Although some
4815 Christian research participants expressed that they do not practice certain Zulu cultural rituals (such
4816 as the slaughtering of animals), marriage is widely regarded as a cultural rather than a spiritual
4817 requirement among the Zulu people. However, for most study research participants, marriage is the
4818 combination of culture and spirituality that makes the customs and religion so prominent.

4819

4820 **5.5 Religious Affiliation of Research Participants**

4821 African traditional religion is an important basis of traditional medicine. According to Manganyi and
4822 Buitendag (2013), religion refers to a meaningful relationship between the human entity and the
4823 Supreme Being, which always dovetails into traditional medicine and healing as an art of restoring
4824 and preserving health. Religious beliefs are a generalized system of ideas and values that shape how
4825 members of a religious group understand the world around them. Religion, therefore, constitutes an
4826 important part of millions of people's lives across the globe. It is an essential element of the human
4827 state and culture in particular. It is a social-cultural system of specific behaviours, practices, morals,

4828 worldviews, or organizations that relate humankind to supernatural, transcendental, or spiritual
4829 elements (Business of Religion, 2022).

4830

4831 Focus group discussions with research participants from study district municipalities revealed an
4832 understanding of the symbiotic relationship between Zulu religious belief systems and practices and
4833 the institution of Traditional medicine and healing. Research participants expressed Zulu traditional
4834 religion and healing practices as a connection to the ancestors who guided the living and provided a
4835 sense of security and order in the community. Thus, according to them, the concept of health and
4836 illness in society is filtered and interpreted through religion, culture, and indigenous worldviews of
4837 the interdependence between humans, nature, and the spiritual worlds.

4838

4839 According to them, health and illness have a broader dimension, including the religious, cultural, and
4840 ecological components. Like other African traditional communities, the Zulu people had diverse ritual
4841 practices to ensure good health, prevent danger to health, cure afflictions, remove impurities in people
4842 and homesteads, and protect people, their animals, and crops. They understood health and illness not
4843 just as physical conditions but also as being linked to the beliefs and practices of the Zulu traditional
4844 religious belief system. Hence, health and illness must be dealt with within Zulu religious-cultural
4845 traditions and practices.

4846

4847 Ubaba Sibiyi explains:

4848

4849 *“Uma ngikhuluma ngenkolo, ngibona ubudlelwano bomuntu siqu nendlela yokuphila eveza*
4850 *amasiko esintu samaZulu. Ngenkolo uyakwazi ukuqonda amasiko nezimiso zenhlalo*
4851 *yamazulu.”*

4852

4853 When I talk of religion, I see a personal relationship and a way of life that expresses Zulu
4854 human culture. Through religion, you can understand Zulu rituals and social values.

4855

4856 According to Baba Sibiyi, for a long time, religion was understood in a Western worldview, separated
4857 from the guidance of ancestors and traditional spiritual and healing systems. Research participants in
4858 both uGu and uMkhanyakude district municipalities stressed that among the Zulu people, religious
4859 beliefs have always played and continue to play an important role in many social practices, including
4860 traditional medicine and healing, agriculture, cultural ceremonies, economy, and financial matters.
4861 People prayed to their ancestors for good health, good rains and harvest, employment opportunities,
4862 and business endeavours.

4863

4864 For instance, Umama Mtshengu⁹, a Traditional Health Practitioner from the uGu district municipality,
4865 indicated that the spirit called her to be a sangoma. She referred to her calling or “*ubizo*” as an
4866 important ancestral, cultural, and religious responsibility, after which she was thrown into a state of
4867 unconsciousness for several days before she could have had strange dreams and visions forming part
4868 of her calling. When she accepted the calling, she had to undergo the “*ukutwasa*” as part of the
4869 initiation process where religious rituals were performed. The training and initiation process included
4870 performing rituals and tasks that cure that individual’s body and instruct the healing power of herbs
4871 and traditional medicine. Upon completing the initiation, a feast was held where a goat was
4872 slaughtered as a sacrifice to the ancestors. The participant could then search the ashes for an unbroken
4873 bone that became part of the sangoma’s “*dingaka*”, or oracle bones, to be used in divination. Umama
4874 Mtshengu said:

4875

4876 *“Sifunda umlando womphakathi kanye nesiko ngoba singabelaphi futhi singabagcini bolwazi*
4877 *olungcwele. ngabe senginikwa amandla nobuholi obuyimfihlakalo ngamadlozi.”*

4878

4879 Mama Mtshengu indicated that as Zulu healers and custodians of the sacred knowledge of the tribe,
4880 they had to learn and know its history and traditions, as communicated by the ancestors. This implies
4881 that Zulu’s traditional medicine and healing practices are symbiotically linked to religion and
4882 spirituality, especially the role of ancestral spirits. Interviews with the ATHP research participants
4883 showed two distinct types of sacrifice performed in Zulu culture, i.e. the thanksgiving or ‘*ukubonga*’
4884 and the scolding sacrifice “*ukuthetha*”. “*Ukubonga*” takes place when something good has happened,
4885 such as when a boy reaches puberty, when there is enough food, or when life in the “*umuzi*” or home
4886 has gone smoothly and there has been little or no sickness. Meanwhile, the “*ukuthetha*” takes place
4887 when people of the “*umuzi*” die unexpectedly or when things seem to go wrong and the individual
4888 feels victimized. Sacrifices of cattle or goats are performed according to appropriate cultural rituals
4889 and strict observations of cultural procedures and protocols. It is believed that sacrificial giving may
4890 be of no good and can bring about a family curse if all the rules and procedures are not observed.

4891

4892 Furthermore, the Zulu also believe in a supernatural being called “*Unkulunkulu*”, believed to have
4893 ‘sprang from a bed of reeds. Zulu people believe that “*Unkulunkulu*” brought humans and cattle from
4894 an area of reeds. He created everything, from land and water to man and animals. He created all wild
4895 animals, snakes, birds, water, mountains, the sun, the moon, etc. He is considered the first man and

⁹ Interview with Mama Phumla Mtshengu, Hibiscus Coast local municipality, 27 March 2018.

4896 the parent of all Zulu people. He is believed to have taught the Zulu people how to hunt, make fire,
4897 and grow food (Leeming and Leeming, 2009).

4898

4899 The ATHPs research participants revealed that according to Zulu traditional beliefs, human beings
4900 have a body “*umzimba*”, a spirit or soul “*idloz*”, the heart or feelings “*inhliziyo*”, the brain, mind,
4901 understanding “*ingqondo*” and the shadow, personality “*isithunzi*”. The “*isithunzi*” becomes the
4902 ancestral spirit after death, but only after the “*ukubuyisa*” (to reconcile with the dead)_ceremony has
4903 been performed. This is a ritual ceremony during which Zulu believe the spirit is 'brought back home'.
4904 “*Ukubuyisa*” is a Zulu traditional ceremony performed a year after death to call back the departed
4905 spirit and integrate it into the community of ancestral guardian spirits. The spirit is ritually brought
4906 back to be mysteriously present and guard all the living members of the family.

4907

4908 ***5.5.1 Spirituality as a Source of Healing in Zulu Culture***

4909 In-depth interviews and focus group discussions with the ATHP research participants revealed the
4910 interrelatedness and interdependence between Zulu traditional medicine and healing with spirituality.
4911 The Sangomas (diviners) are regarded as intermediaries between the living and the spirit world,
4912 especially the ancestral spirits. The latter are intermediaries with *Unkulunkulu* (The Greatest One).
4913 Consequently, the ancestral spirits are praised, and offerings are made to them. Should something
4914 untoward occur, the sangoma (diviner) is consulted to determine whether the event has been caused
4915 by witchcraft (in which case there is a witch-hunt) or failure to appease the spirits. In the latter case,
4916 a sacrifice is made whilst complaining at the apparent attitude of the spirit. Spirits are also thought to
4917 exist in animals in the forest and caves. A female spirit called “*inkosazana*” in Zulu is thought to
4918 make maize grow and is fêted in the spring. It is believed that all ancestors must be kept in the memory
4919 of the family through religious ceremonies; otherwise, if forgotten, they may seek to be remembered
4920 by bringing trouble to the family and the local community. For example, these are the words of
4921 Umama Sibiya, a traditional healer in the uMkhanyakude district municipality, on the dangers of
4922 “*umsamo*” or Platform for sacrifice:

4923

4924 *“Umuntu ongathembekile akayishisi impepho futhi nesilwane abamhlabisi ngoba uzocwiya*
4925 *bese aphenjule umsamo konakale izinto emndenini.”*

4926

4927 Umama Sibiya warned about the dangers of unfaithful performing rituals such as burning incense or
4928 slaughtering a sacrificial animal. This can cause danger to the family.

4929

4930 During the in-depth interviews, Umama Mabube Mnguni, a traditional healer from uMkhanyakude,
4931 shared her dream experiences at night or during the day when she was having a nap as one way of
4932 communicating with her ancestral spirits. During that moment, messages from ancestors were
4933 communicated to her, including types of medicinal herbs to use in her practice. She woke up, went to
4934 specific places, and collected the plants for healing as directed. Besides guiding her in identifying and
4935 using medicinal herbs, the ancestral spirits also indicated to her the state of the clients who would
4936 come for a consultation, even before their visit. These were her words:

4937

4938 *“Ebusuku noma emini ngangiphupha ngibone okhokho bami bekhuluma. Idlozi lingikhombisa*
4939 *isimo samaklayenti azongibona ngaphambi kokuvakasha. Idlozi lingikhombise izindawo*
4940 *nezinhlobo zezitshalo engizozisebenzisa njengomuthi wokwelapha isiguli esizayo. Idlozi*
4941 *lizongikhombisa nokuthi izitshalo zisetshenziswa kanjani noma zixutshwa kanjani.*
4942 *Ngangivuka ngiye ezindaweni ezithile ngiqoqe izitshalo ngizisebenzise njengokuyalelwa.*
4943 *Ngenxa yalokho, iziguli zizophathwa ngendlela eqondisiwe futhi ukuphulukiswa*
4944 *kuzoqinisekiswa.”*

4945

4946 Umama Mabube Mnguni indicated that she would have a dream at night or during the day and see
4947 my ancestors talking to me. The ancestor shows her the state of the clients coming for a consultation
4948 before the visit. The ancestor also showed her the locations and types of plants to use as medicine to
4949 treat the coming patient. The ancestors would also show her how to use or mix the plants. She would
4950 wake up and go to specific places, collect the plants and use them as directed. As a result, patients
4951 would be treated as directed, and healing would be certain.

4952

4953 On the issue of working with Western medicine, ATHP research participants expressed their belief
4954 that despite the divergent worldviews and the current state of global health challenges, the different
4955 healthcare systems needed one another for improved human healthcare. For them, local communities
4956 in both study areas preferred traditional medicine and healing systems to modern medicine because
4957 of their links with the ancestors who holistically guided the client’s health.

4958

4959 Table 5.7 shows the comparative percentage distribution of the religious affiliations of the research
4960 participants, African Traditional Healthcare Practitioners, in the study district municipalities.

4961

4962

4963 **Table 5-7. Comparative percentage distribution of the religious affiliations of the African**
 4964 **Traditional Healthcare Practitioners (ATHPs) research participants in study district**
 4965 **municipalities, KwaZulu-Natal Province**

uGu District			uMkhanyakude district		
Religious Affiliation	Frequency	% Distribution	Religious Affiliation	Frequency	% Distribution
Roman Catholic	02	07	Roman Catholic	01	04
Zion Christian	03	10	Zion Christian	04	16
Ibandla IamaNazaretha/ Shembe)	06	20	Ibandla IamaNazaretha/ Shembe)	02	08
African Traditional Religions	19	63	African Traditional Religions	18	72
	30	100		25	100

4966
 4967 Table 5.7 shows that most ATHP research participants in the uGu district municipality (63%) and the
 4968 uMkhanyakude district municipality (72%) were affiliated with African Traditional Religions.
 4969 African traditional religion refers to the indigenous or autochthonous religions of the African people,
 4970 particularly the Zulu (Olupona,2014). It deals with their cosmology, ritual practices, and associated
 4971 symbolism in their respective cultural communities.

4972
 4973 **Table 5-8. Comparative percentage distribution of the Religious Affiliations of the African**
 4974 **Traditional Healthcare Practitioners (ATHPs) Research Participants' Clients in the study**
 4975 **district municipalities**

uGu District			uMkhanyakude district		
Religious Affiliation	Frequency	% Distribution	Religious Affiliation	Frequency	% Distribution
Roman Catholic	20	13	Roman Catholic	16	13
Pentecostal	06	04	Pentecostal	01	01
Muslim	02	01	Muslim	00	00
Jehovah's witness	08	05	Jehovah's witness	03	02
Anglican	04	03	Anglican	03	02

Ibandla lamaNazaretha/ Shembe)	46	31	Ibandla lamaNazaretha/ Shembe)	54	43
African Traditional Religions	34	23	African Traditional Religions	37	30
No Influence	15	10	No Influence	05	05
None	15	10	None	06	05
Total	150	100	Total	125	100

4976

4977 Table 5.8 shows that the largest number of the ATHPs research participants' clients in the uGu district
 4978 municipality (31%) and in the uMkhanyakude district municipality (43%) were affiliated with the
 4979 Ibandla lamaNazaretha/Shembe. This was followed by affiliation to African Traditional Religions
 4980 (23%) in uGu district municipality and (30%) in uMkhanyakude district municipality. The Shembe
 4981 religion combines Zulu culture and Christianity based on the Old Testament.

4982

4983 Some of the clients, during in-depth interviews, expressed the fact that despite being Christians, they
 4984 still believed in preserving their African Ubuntu values, including performing their African traditional
 4985 rituals and customs, which included ritual practices such as “*ukubuyisa*”, “*imbeleko*” (ritual inclusion
 4986 of babies into the clan), “*ukwaluka*” (rite of passage into adulthood), and visiting of traditional healers
 4987 to seek guidance from ancestors. For instance, Umama Mzizi had the following to say:

4988

4989 *“NgingumKristu osanda kuzalwa. Ngaphandle kokuba yingxenywe yalenkolo, kumele*
 4990 *ngilandele isiko lamaZulu namasiko ethu. Umuntu ngeke alahle usiko lakhe namasiko akhe.*
 4991 *Yebo, ngiyakholelwa enkolweni kodwa kumele ngilandele konke okuhle ngesiko. Isibonelo,*
 4992 *inkolo yobuKristu iyenqabela ukuhambela abelaphi bendabuko. Amanye amalungu omndeni*
 4993 *wami, abangane kanye nami, asitholanga lutho olungalungile ngokuhambela abelaphi*
 4994 *ngokwesiko siyofuna izeluleko kokhokho. Ngenza yonke imicikilisho namasiko ama-zulu.*
 4995 *Ngisazijwayeza ukubuyisa, imbeleko, ukuluka...¹⁰.”*

4996

4997 Mama Mabube Mnguni indicated that although she was a born-again Christian, she was expected to
 4998 conform to Zulu cultural traditions as one could not abandon their cultural values. She had to follow
 4999 all she considered good in African values and practices. She could not just follow all that Christianity
 5000 preached. She pointed out, for example, that Christianity prohibited visiting traditional healers, but

¹⁰ Informal conversation with Ms Melody Mzizi, Umdoni local municipality, 26 March 2018.

5001 she did not find anything wrong with visiting traditional healers. All her family members and friends
5002 consulted traditional healers to seek guidance from their ancestors. She, therefore, practised the
5003 practices of “*ukubuyisa*”, “*imbeleko*”, and “*ukwaluka*”.

5004

5005 For example, during one of the FGDs in the uGu district municipality, Mama Nciki identified herself
5006 as a traditional healer and a believer in African traditional religion. During the FGD, she reacted with
5007 an ironic smile when some of the participants, also her clients, identified themselves as Christians.
5008 During in-depth interviews, Mama Nciki thus commented:

5009

5010 *“Abakholoni baletha ubuKristu nabo futhi babuphoqa kubantu bakithi ngokuguqulwa*
5011 *kokuzikhethela. Ngoba ukuguqula kungokuzikhathela, asisoze sayeka izinkolelo nemikhuba*
5012 *yethu yomdabu. Amanye amaKristu aguqukile agula ngengqondo futhi anquma ukushiya*
5013 *ngokuphelele amasiko ethu. Abasazenzi izinkambiso zamaZulu ngoba manje sebethathwa*
5014 *njengabanamadimoni. Bakhohlwa ngisho namasiko abo abazalelwe futhi abakhulela kuwo.*
5015 *Kodwa okwamanje uma beshayiwa ukugula kanye nezinkinga kugadla emakhaya abo, beza*
5016 *kithi bezothola imithi yamakhambi futhi benze imikhuba efanayo naleyo ababeyithatha*
5017 *njengokubi. Labo abazibeka njengamaKristu yibona abahlala befuna usizo kubelaphi*
5018 *bendabuko ngasese ngoba abasavikelwa okhokho bethu. Iningi lamakhasimende engiwabona*
5019 *iningi lesikhathi angamaKristu. Uma beza kimi angibaphathi ngendlela ehluke kodwa*
5020 *ngiyabamukela futhi ngikhonze ngaleso sikhathi njenganoma yiliphi elinye ikhasimende.*
5021 *Ngaso sonke isikhathi kunesidingo sokuwaxhuma kokhokho futhi ngenxa yokuxhuma*
5022 *okuxegayo okubangela ishwa isikhathi esiningi. Kunzima kwesinye isikhathi ukuziqonda,*
5023 *kodwa ngoba izinto sizitshela njengoba zinjalo futhi asifihli lutho ngoba siyaziqhenya*
5024 *ngalokho esikholelwa kukho ngokungazenzisi¹¹.”*

5025

5026 Mama Mabube Mnguni expressed the experience that some community members identified as
5027 Christians. Still, the moment misfortunes, sickness, and problems strike their homes, they go to
5028 traditional healers for assistance to get herbal medicines and perform the same rituals they were
5029 considered evil.

5030

5031 **5.6 Chapter Summary**

5032 Chapter Five presented and discussed the socio-demographic characteristics of the research
5033 participants from their Zulu cultural perspectives, with special reference to research participants from

¹¹ Discussion with Mama Nciki, Umuziwabantu local municipality, 26 March 2018.

5034 uGu and uMkhanyakude district municipalities in KwaZulu-Natal province, South Africa. The study
5035 sought to obtain the cultural meanings that the research participants, as ATHPs and their clients,
5036 attached to the socio-economic and demographic variables such as age group, gender, marital status,
5037 and religious affiliations healing in the context of traditional medicine.

5038

5039

5040 **Chapter Six: Comparative Local Community Members' Knowledge, Awareness,**
5041 **and Perceptions Regarding Indigenous Knowledge Systems and African**
5042 **Traditional Medicine Policy Landscape in South Africa**

5043 **6.1 Introduction**

5044 In 2004, the Post-apartheid government adopted the National IKS Policy. It provides an enabling
5045 framework to stimulate and strengthen the contribution of indigenous knowledge to social and
5046 economic development in South Africa. Conradie and Du Toit (2015) indicate that knowledge
5047 institutions created during and before the apartheid era are still being transformed to express an
5048 African intellectual personality. The Policy seeks to creatively advance the course of IKS within the
5049 context of complex economic, social, and cultural rights. Therefore, the main objective of the policy
5050 was to reverse the injustices of the past and ensure proper protection of African indigenous knowledge
5051 and value systems. In the past, there had been a lack of recognition of existing IKS communities of
5052 practice and a lack of understanding of the importance of IKS in sustainable community livelihood
5053 and development. This was in line with the African renewal call and its activities, which emphasizes
5054 the significance of IKS as to provide Africans with both the intellectual and raw material through
5055 which the task of reconstructing African societies along African ways of knowing, value systems,
5056 and practice can be made possible and attainable.

5057
5058 Mokhutso (2021) and Obiero et al. (2023) look at the benefits of African indigenous knowledge
5059 systems and practices by pointing out that Africans, in their specific cultural and creative ecosystems,
5060 can understand, handle, and maintain these knowledge systems and practices, better than introduced
5061 western practices and technologies. Further still, African indigenous knowledge, including traditional
5062 medicine and healing practices, draws on local resources. People and local communities depend less
5063 on outside sources, which can be costly, scarce, and irregularly available. Although it is adaptable
5064 and can interface with other knowledge systems, IK provides effective alternatives to Western
5065 technologies.

5066
5067 **6.2 Knowledge, Awareness, and Perceptions of African Traditional Health Practitioners**
5068 **(ATHPS) Research Participants on The IKS Policy (2004)**

5069 It is based on the above considerations that the study first wanted to establish from the research
5070 participants (both African Traditional healthcare Practitioners and their clients) in both study district
5071 municipalities (uGu District Municipality and uMkhanyakude District Municipality) regarding their
5072 knowledge, awareness, and perceptions on the South African National IKS Policy (2004) landscape.
5073 The comparative results are shown in Table 6.1 and Table 6.2, respectively.

5074 **Table 6-1. Comparative Percentage Distribution of Knowledge, Awareness, and Perceptions of**
 5075 **African Traditional Health Practitioners (ATHPS) Research Participants on the IKS Policy**
 5076 **(2004) in the study District Municipalities**

1. Total Number of Male ATHP Participants in uGu District Municipality (12); Total Number of Female ATHP Participants in uGu District Municipality (18); 2. Total Number of Male ATHP Participants in uMkhanyakude District Municipality (10); Total Number of Female ATHP Participants in uMkhanyakude District (15).											
uGu District Municipality						uMkhanyakude District Municipality					
Aware (n)		Aware (%)	Not Aware (n)		Not Aware (%)	Aware (n)		Aware (%)	Not Aware (n)		Not Aware (%)
Male	05	38%	Male	07	62%	Male	03	30%	Male	07	70%
Female	02	11%	Female	16	89%	Female	03	20%	Female	12	80%

5077

5078 Table 6.1 reveals that most of the ATHP research participants (male and female) in both study district
 5079 municipalities expressed the view that they were unaware of the National IKS Policy (2004). Table
 5080 6.2 shows the percentage distribution of knowledge and awareness of African Traditional Healthcare
 5081 Practitioners (ATHPs) clients on the IKS policy (2004) in the study district municipalities.

5082

5083 **Table 6-2. Comparative Percentage Distribution of Knowledge, Awareness, and Perceptions of**
 5084 **African Traditional Health Practitioners (ATHPs) Clients on the existence of the IKS Policy**
 5085 **(2004) in the study District Municipalities**

1. Total Number of Male ATHP Clients in uGu District Municipality (62); Total Number of Female ATHP Clients in uGu District Municipality (88); 2. Total Number of Male ATHP Clients in uMkhanyakude District Municipality (48); Total Number of Female ATHP Clients in uMkhanyakude District (77).											
uGu District Municipality						uMkhanyakude District Municipality					
Aware (n)		Aware (%)	Not Aware (n)		Not Aware (%)	Aware (n)		Aware (%)	Not Aware (n)		Not Aware (%)
Male	25	40%	Male	37	60%	Male	18	38%	Male	30	62 %
Female	21	24%	Female	67	76%	Female	08	10%	Female	69	90%

5086

5087 Table 6.2 reveals that most of the ATHP research participants' clients (male and female) in both study
5088 district municipalities were also unaware of the National IKS Policy (2004). During the focus group
5089 discussions and in-depth interviews in both study district municipalities, it was expressed that until
5090 now, the promotion and implementation of the National IKS Policy (2004) has been predominantly
5091 a national imperative. There are still limited, if any, provincial and local structures established to
5092 build knowledge and awareness among people at the grassroots level on the IKS National Policy
5093 (2004).

5094

5095 The study wanted to know from the research participants, both ATHPs and their clients, in both study
5096 district municipalities, their knowledge, awareness, and perceptions on why the post-apartheid
5097 government in South Africa adopted the IKS Policy in 2004. The responses were established during
5098 focus group discussions from ATHPs and their clients in both study district municipalities. It was
5099 generally indicated that the main reason for the post-apartheid government to adopt the IKS policy
5100 (2004) was to reverse the past injustices and ensure proper protection and promotion of African
5101 indigenous knowledge systems, which were marginalized in the past, limiting their contribution to
5102 sustainable development. During colonialism and apartheid, there was a lack of recognition of
5103 existing African worldviews, ways of knowing, and value systems. This included a lack of
5104 understanding of the importance of African indigenous Knowledge Systems in the sustainable
5105 community livelihood of the African people in their diversity of cultures and linguistic domains.
5106 Some participants, ATHPs, and their clients knew that the IKS Policy (2004) resulted from
5107 interdepartmental efforts to create guidelines for recognizing, understanding, integrating, and
5108 promoting South Africa's wealth of indigenous knowledge resources across cultures. The participants
5109 also expressed the reasons and benefits of protecting these local community-based knowledge
5110 systems:

5111

5112 For example, on the Equity, Gogo Gumbi, a Traditional Health Practitioner in uGu District
5113 Municipality, had the following to say in the isiZulu language:

5114

5115 *“I-Afrika yindawo lapho abantu bomdabu, kuhlanganise nami, kanye nendawo yethu yemvelo*
5116 *nengokomoya ziye zajwayelana ndawonye emakhulwini eminyaka. Abantu base-Afrika*
5117 *ngokwehlukahlukana kwabo kwamasiko nemvelo, bayaqaphela ukuthi abahlukene, kodwa*
5118 *bayingxenye yezinhlelo zemvelo ezixhumene, ezingokwenyama nezingokomoya.. Asiyona nje*
5119 *ingxenye yalezi zinhlelo ezixhumene nezincikene, kodwa sinesibopho ekugcineni lobu*
5120 *budlelwano obuseduze. Inani Lolwazi Lomdabu, ikakhulukazi ekusetshenzisweni kwalo*
5121 *ekuqondeni izinguquko zezinhlelo, liya ngokuya liqondwa kangcono umphakathi wesayensi*

5122 *waseNtshonalanga ngenxa yezimo zemvelo ezishintsha ngokushesha, ikakhulukazi*
5123 *ukushintsha kwesimo sezulu. Thina, ma-Afrika kanye nomphakathi wesayensi*
5124 *yaseNtshonalanga sinomsebenzi wokuqinisekisa ubudlelwano obulinganayo phakathi*
5125 *kwabantu nalezi zinhlelo zemvelo nezomoya ocwaningweni, isayensi, inqubomgomo, kanye*
5126 *nokubandakanya umphakathi.”*

5127

5128 Gogo Gumbi believed that indigenous people, including herself, in Africa, and indigenous natural,
5129 cultural, and spiritual environments have symbiotically adapted together for centuries. In their
5130 diversity of cultures and ecosystems, African people recognize that they are not separate from but
5131 rather a part of the interconnected natural, physical, and spiritual systems. Humans are part of these
5132 interrelated and interdependent systems and have responsibilities in maintaining this intimate
5133 relationship. The value of Indigenous Knowledge systems, particularly towards its application in
5134 understanding the dynamic and changing systems, is increasingly becoming better understood by the
5135 Western scientific community due to rapidly changing environmental conditions, especially climate
5136 change. Hence, the African and Western scientific communities must ensure equitable relationships
5137 between humans and these natural and spiritual systems in research, science, policy, and community
5138 engagements.

5139

5140 Andile Zulu, a THP’s client in uMkhanyakude said on Indigenous Knowledge and Equity:

5141

5142 *“Iqhaza elibanjwe ulwazi lwendabuko (IK) emiphakathini yethu yasendaweni*
5143 *nasemphakathini wonkana, ngeke ibukeke phansi. Ngaphandle kokuqinisa ukwehlukana*
5144 *komuntu ngamunye nomphakathi, izinkolelo nemikhuba yawo kuthiwa ibambe izibopho*
5145 *eziqinile zamasiko nezenhlalo kumalungu awo ukukhuthaza inhlalakahle. Ngesikhathi*
5146 *sobukolonyali kanye nobandlululo, imikhuba yendabuko kanye nezinhlelo zegugu ezagcina*
5147 *imiphakathi kanye nemindeni yama-Afrika ndawonye, zaqhubeka nokuwohloka, okuholele*
5148 *ekungalinganini okukhulu, ubumpofu kanye nokucekelwa phansi kwemvelo. Ukugudluzwa*
5149 *kwezinhlelo zezomnotho zoMdabu wase-Afrika kanye nokwamukelwa kwezinhlelo*
5150 *zezomnotho zongxiwankulu ezikhuthaza umuntu ngamunye futhi ezigugquzela inzuzo*
5151 *kwadala izinkinga zenhlalonhleko yezomnotho kanye nezemvelo emiphakathini yase-Afrika.*
5152 *Lokhu kungalingani kungancishiswa ngokwamukelwa kwezinqubo zezomnotho zoMdabu*
5153 *wase-Afrika kanye nezinhlelo zenani elihlobene.”*

5154

5155 According to the ATHP, Andile Zulu, the role played by Indigenous knowledge (IK) in the local
5156 communities and society as a whole cannot be underestimated. Besides strengthening the individual

5157 and community's distinctiveness, its beliefs and practices are credited for holding strong cultural and
5158 social obligations on its members to promote well-being. During colonialism and apartheid,
5159 Indigenous practices and value systems, which kept African communities and families together,
5160 continued to crumble, leading to massive inequalities, poverty, and ecological destruction. The
5161 displacement of the African Indigenous economic systems and the adopting of individualistic and
5162 profit-motivated capitalist economic systems created socioeconomic and ecological crises in African
5163 societies. These inequalities could be mitigated by adopting African Indigenous economic practices
5164 and associated value systems.

5165

5166 Gogo Madlopha, a Traditional Healer from uGu District Municipality, expressed the significance of
5167 IK holders and practitioners on IK and Biocultural and Spiritual Diversity Conservation. She argues:

5168

5169 *“Izinhlelo Zolwazi Lwendabuko Yase-Afrika zixhumeke ngaphakathi emibonweni yomhlaba*
5170 *yabanikazi bolwazi kanye nobudlelwano kanye nobudlelwano endaweni yabo yemvelo*
5171 *nengokomoya. Izindlela ezisekelwe kumalungelo ezivamile azikuyapheli lokhu kuxhumana*
5172 *ngakho zikhawulelwe ekuvikeleni ubuqotho bolwazi lomdabu. Kunesidingo sokuthi izinhlelo*
5173 *zolwazi okungezona ezase-Afrika zibone ukuthi abantu base-Afrika ngokwamasiko abo*
5174 *ahlukahlukene kanye nemvelo amakhulu eminyaka babenokuqonda kwabo ngemvelo,*
5175 *izindlela zokongiwa kwemvelo, kanye nezinhlelo zokuphatha izinsiza.”*

5176

5177 Gogo Madlopha believed that African Indigenous Knowledge Systems and the worldviews of
5178 knowledge holders and practitioners are inextricably linked to their interactions with their natural and
5179 spiritual surroundings. Because mainstream rights-based approaches do not acknowledge this
5180 interdependence, they can only be used to safeguard Indigenous Knowledge's integrity. Non-African
5181 knowledge systems must acknowledge that African people have long had unique ecological
5182 understandings, conservation strategies, and resource management systems due to the diversity of
5183 their cultures and ecosystems.

5184

5185 Ubaba Mhlongo, a Traditional healer from uMkhanyakude District Municipality, says:

5186

5187 *“Ulwazi lwendabuko lwase-Afrika kanye nokwehlukahlukana kwezemvelo nezomoya*
5188 *kuyizinto ezihambisanayo ezibalulekile ekuphileni nasekuthuthukisweni komphakathi*
5189 *esimeme. Ulwazi lwendabuko, ikakhulukazi esimweni sase-Afrika, lapho sincike kulezi*
5190 *zinhlelo zolwazi kanye nemithombo yethu yemvelo ukuze siziphilise, seluvame ukubukelwa*
5191 *phansi ekuthuthukisweni kwenqubomgomo kanye nohlelo lwezemfundo, ngamakholoni kanye*

5192 *nobandlululo. Nokho, namuhla, inani elikhulayo lohulumeni base-Afrika kanye*
5193 *nezinhlango zentuthuko yamazwe ngamazwe ziyaqaphela ukuthi lolu lwazi nezinhlango*
5194 *zasendaweni, zinikeza isisekelo sezindlela zokubamba iqhaza emazingeni aphansi*
5195 *entuthukweni engabizi kakhulu futhi esimeme. Isibonelo, ukugcinwa ngokucophelela*
5196 *nokongiwa kwemithombo yemvelo ehlukehlukehene kanye nezinhlelo zolwazi nenani elihlobene*
5197 *phakathi kwemiphakathi yase-Afrika, ikakhulukazi ngabesifazane, ezitshalweni nasezifuyweni*
5198 *ezifuywayo nezingezona ezifuywayo kuyizimpawu zezinhlelo zokulima zomdabu zase-Afrika.*
5199 *Lokhu kunikeza ithuba elibalulekile lokugcinwa ngendlela ehlelekile kwezinsiza zofuzo.”*

5200

5201 According to Ubaba Mhlongo, the development of sustainable community livelihoods depends on
5202 the complementary phenomena of biocultural and spiritual diversity and African Indigenous
5203 knowledge. Indigenous knowledge has historically been marginalized in the creation of policies and
5204 the educational system as a result of colonization and apartheid, particularly in the African context,
5205 where we rely on these knowledge systems and our natural resources for subsistence. However, many
5206 African governments and international development organizations realize today that these local
5207 organizations and knowledge offer the groundwork for sustainable and affordable grassroots
5208 participatory approaches to development. African indigenous farming, for example, is characterized
5209 by the meticulous maintenance and conservation of the diversity of bio-cultural resources and the
5210 related knowledge and value systems among African communities, particularly by women, in
5211 domesticated and non-domesticated plants and animals. This provides an important opportunity for
5212 systematic in situ-maintenance of genetic resources.

5213

5214 Gogo Qwabe from uGu District Municipality added:

5215

5216 *“Ulwazi loMdabu lwase-Afrika lunethuba lokuba ithuluzi langaphambili lokukhuthaza*
5217 *ukongiwa kwemvelo emhlabeni wonke, ngokusiza ukuqapha izingxenye ezibalulekile*
5218 *zezinhlobonhlobo zemvelo, ukusekela ukusetshenziswa okusimeme kwemithombo yemvelo*
5219 *kanye nokuphoqelela ukuphathwa ngokongiwa kwemvelo ngezinhlelo zenani zomdabu.”*

5220

5221 Gogo Qwabe indicated that African indigenous knowledge has the potential to be a tool for global
5222 conservation efforts by supporting sustainable resource use, monitoring important aspects of
5223 biocultural diversity, and enforcing conservation management through indigenous value systems.

5224

5225 In the context of the role of indigenous knowledge in the preservation of traditional practices, Thoko
5226 Gumede, one female community member in the uMkhanyakude District Municipality, said:

5227

5228 *“Ukucabangela ukuguquguquka kwesimo sezulu okusheshayo kwanamuhla, ulwazi lwendabuko*
5229 *kanye nemikhuba, kunesandla esikhulu ekuqhubekiseni phambili imibono yethu yesikhathi eside*
5230 *mayelana nemvelo yethu eguqukayo. Isibonelo, ukufakwa kokubhekwa kwendabuko kanye*
5231 *nemininingwane mayelana nesimo sezulu kanye nokushintsha kwesimo sezulu kungase*
5232 *kuhambisane nokubhekwa kwesimo sezulu samanje futhi kusize ukunweba amarekhodi emuva*
5233 *ngesikhathi. Ulwazi olunjalo nezinqubo kusiza futhi ukuchaza izinhlobonhlobo zezinketho*
5234 *umphakathi wendawo ongase uzicabangele ukuze uzivumelanise nezimo, ezifanele endaweni*
5235 *ethize yezemvelo nengokwenhlalo namasiko, futhi ezihambisana nezinto eziza kuqala,*
5236 *izindinganiso kanye nemibono yomhlaba.”*

5237

5238 Thoko Gumede considered today’s rapid climate change, traditional knowledge, and practices to
5239 contribute greatly to the need to continue indigenous long-term observations regarding the local
5240 changing environment. For instance, including indigenous observations and insights on weather and
5241 climate change could complement modern meteorological observations and help extend historical
5242 records. Such knowledge and practices also helped define the range of options that a local community
5243 might consider for adaptation, appropriate to specific ecological and sociocultural environments and
5244 conforming with its priorities, values, and worldviews.

5245

5246 In the context of the UN Sustainable Development Goals and Indigenous Knowledge, Ubaba
5247 Mazibuko, a Traditional Healer in uMkhanyakude District Municipality, had the following to say:

5248

5249 *“Ngokwamukelwa kwe-Ajenda ka-2030 Yentuthuko Esimeme, umphakathi wamazwe*
5250 *ngamazwe wazibophezela ukubhekana nezinsalelo eziningi. Kulawa ma-SDG, amanye*
5251 *abaluleke kakhulu emiphakathini yendawo yase-Afrika njengoba enomthelela ezimpilweni*
5252 *zawo zansuku zonke. Lokhu kudala ukunakekelwa kwezempilo, imfundo, ubumpofu,*
5253 *ukufinyelela kwezobulungiswa kanye nokushintsha kwesimo sezulu. Kodwa-ke, naphezu*
5254 *kokuba semseni wezinqumo zezombusazwe ezidukisayo imiphakathi yase-Afrika ayilona nje*
5255 *iqhaza emiphakathini yayo yamasiko nemvelo. Izinhlelo zolwazi abazenze amakhulu*
5256 *eminyaka zibasize ukuba baphendule ngempumelelo ezinsaleleni zemvelo nentuthuko*
5257 *okuhlanganisa nokushintsha kwesimo sezulu.”*

5258

5259 Ubaba Mazibuko believed that the international community pledged to address numerous issues when
5260 it adopted the 2030 Agenda for Sustainable Development. Given how they affect African local
5261 communities' day-to-day lives, a few of these SDGs are extremely pertinent. These contribute to

5262 poverty, access to justice, healthcare, education, and climate change. Despite being at the mercy of
5263 deceptive political decisions, African communities are not passive actors in their respective cultural
5264 and ecological communities. Thanks to the knowledge systems they have developed over centuries,
5265 they have effectively responded to ecological and development challenges, including climate change.

5266

5267 Nokwazi Mtshali, a local community member in the uGu District Municipality, added the following
5268 in a focus group discussion:

5269

5270 *“Ngaphandle komehluko phakathi kwemiphakathi yase-Afrika, ngenxa yokuhlukahluka*
5271 *kwamasiko nemvelo, kukhona ukufana okutholakala kuyo yonke imiphakathi yendawo*
5272 *etholakala ezimweni ezihlobene nemvelo okuhlanganisa ukubhekana nesimo sezulu esifanayo*
5273 *nesimo sezulu. Izimpendulo nezinqubo ezisekelwe olwazini lwendabuko kulezi zimo ezimbi*
5274 *zokuguquguquka kwesimo sezulu ezamukelwa yile miphakathi yendawo zihlanganisa: (a)*
5275 *ukuhlukahluka kwezinsiza; (b) izinguquko ezinhlobonhlobo zezitshalo nezilwane nezinhlobo*
5276 *ezisetshenziswayo; (c) izinguquko ngesikhathi semisebenzi; (d) izinguquko kumasu*
5277 *asetshenzisiwe; (e) izinguquko endaweni; (f) izinguquko ezinsizeni kanye/noma ezindleleni*
5278 *zokuphila; (g) ukushintshana namanye amaqembu; kanye (h) nokuphathwa kwezinsiza. Lawa*
5279 *maqhingana awavamisile ukusetshenziswa ngawodwana, ngoba imiphakathi yendawo ingase*
5280 *isebenzise amasu okuzijwayeza angaphezu kwelilodwa kanye kanye.”*

5281

5282 According to him, despite differences among African communities due to cultural and ecological
5283 diversities, there were similarities found across local communities located in related ecological
5284 conditions, including experiencing similar weather and climatic conditions. Indigenous knowledge-
5285 based responses and practices to these adverse climate change conditions adopted by these local
5286 communities include: (a) diversification of resources; (b) changes in the plant and animal varieties
5287 and species used; (c) changes in the timing of activities; (d) changes in the techniques used; (e)
5288 changes in location; (f) changes in resources and/or lifestyles; (g) exchange with other groups; and
5289 (h) resource management. These strategies are not usually applied in isolation because local
5290 communities may use multiple adaptation strategies concurrently.

5291

5292 Gogo Ntuli, a Traditional healer in uMkhanyakude District Municipality, lamented the following:

5293

5294 *“Emiphakathini eminingi yase-Afrika, amasiko kanye nolwazi lwethu, okusabuswa izindlela*
5295 *zaseNtshonalanga zokwazi nokubaluleka kwezinhlelo, kusewumzabalazo oqhubekayo.*
5296 *Kodwa-ke, siye sakwazi ukuphila iminyaka eminingi ngokuzivumelanisa nezimo zezulu*

5297 *ezingezinhle futhi sakhe izinhlelo zokuziphilisa ezisimeme zemindeni yethu. Amafomu ethu*
5298 *olwazi agxilile ebudlelwaneni bethu nemvelo kanye nokubumbana kwamasiko. Lobu*
5299 *budlelwano obuqinile busenze sakwazi ukugcina ukusetshenziswa nokuphatha okusimeme*
5300 *kwemithombo yethu yemvelo nengokomoya, sivikele imvelo futhi siqinise ukuqina kwethu,*
5301 *kuyilapho sibhekene nezinsesele ezintsha neziyinkimbinkimbi.”*

5302

5303 Gogo Ntuli claimed that most African communities still struggle with having their customs and
5304 knowledge dominated by Western values and ways of knowing. Nevertheless, they have persevered
5305 by developing resilient subsistence for their families and adjusting to harsh climatic circumstances in
5306 various ways. Their relationships with the environment and cultural cohesiveness are fundamental to
5307 their knowledge forms. Because of this strong relationship, they have been able to preserve the
5308 sustainable use and management of their natural and spiritual resources, safeguard the environment,
5309 and build resilience in the face of novel and difficult challenges.

5310

5311 Mama Mtshengu from uGu District Municipality complained:

5312 *“Abacwaningi nabanye abantu bangaphandle beza emiphakathini yethu yasendaweni futhi*
5313 *bathathe ulwazi lwethu lwendabuko ngaphandle kwemvume, futhi basebenzise amasiko ethu*
5314 *lapho lolu lwazi lusuka khona. Bathatha lolu lwazi kanye nezinsiza ezihlobene ngaphandle*
5315 *kokuhlomula emiphakathini yendawo.”*

5316

5317 Mama Mtshengu believed that outsiders and researchers enter their communities, steal their
5318 traditional knowledge without consent, and take advantage of the cultures from which this knowledge
5319 comes. They appropriate this information and related materials without helping the surrounding
5320 communities.

5321

5322 **6.3 Local Community Members’ Awareness and Perceptions of National and International** 5323 **Policy Frameworks on Traditional Medicine**

5324 Studies indicate that most South Africans, especially in rural and other marginalized areas and social
5325 groups, including women and children, depend on Traditional Medicine and Healing practices for
5326 primary healthcare. Mothibe and Sibanda (2019) reveal the importance of traditional medicine as a
5327 source of primary healthcare in South Africa, Africa, and the world. It was first officially recognized
5328 by the World Health Organization (WHO) in the Primary healthcare Declaration of Alma Ata (1978).
5329 It has been globally addressed since 1976 by the WHO's Traditional Medicine Program. In line with
5330 cultural values and traditional healthcare practices in Africa, Traditional medicine was recognized as

5331 having a long history before Western medicines. It encompasses a diversity of knowledge, skills, and
5332 practices based on our beliefs and experiences, which we use to maintain health and prevent,
5333 diagnose, improve, or treat physical, emotional, and mental illnesses.

5334

5335 Ms Melody Mzizi, one of the local community members in uGu District Municipality whose family
5336 depends on African Traditional Medicine and healing practices, had the following to say:

5337

5338 *“Imithi yesintu kanye nokwelapha eNingizimu Afrika akuzona izindlela zokunakekelwa*
5339 *kwezempilo ezihlukile kithina ma-Afrika, njengoba abantu baseNtshonalanga bekubeka*
5340 *ngokwezigaba. Uma sibheka imali yethu elinganiselwe yokukhokhela imithi yesimanje kanye*
5341 *nokungatholakali kwezinsiza zesimanje zokunakekelwa kwezempilo emiphakathini yethu*
5342 *yasendaweni, sincike kulezi zinsizakalo zokunakekelwa kwezempilo zendabuko ukuze uthole*
5343 *iningi lezidingo zethu zokunakekelwa kwezempilo.”*

5344

5345 Ms Melody Mzizi asserted that contrary to what Westerners may think, traditional medicine and
5346 healing in South Africa are not alternative forms of healthcare for Africans. African people rely on
5347 these traditional healthcare services for the majority of their healthcare needs because they cannot
5348 afford modern medicine and because modern healthcare services are not available in their local
5349 communities.

5350

5351 A traditional medicine trader in the district municipality looked at the significance of African
5352 traditional medicine from an income perspective. His family depends on his sales of traditional
5353 medicines for survival. This contention is supported by Mander et al. (2007), who indicate that
5354 Traditional Medicine in South Africa accounts for 26.6 million consumers, incorporating diverse age
5355 groups, cultural and racial backgrounds, educational levels, and occupations. The value of the trade-
5356 in raw medicinal plant materials in South Africa is estimated to be approximately R520 million per
5357 year (in 2006 prices), with the traditional medicinal plants and products trade in South Africa
5358 estimated to be worth R2.9 billion per year (Sobiecki,2014).

5359

5360 Focus group discussions in both study areas among Traditional Healthcare Practitioners and their
5361 clients expressed the concern that traditional knowledge related to TM, including resources
5362 appropriated, adapted, and patented by scientists and industry, with little or no compensation to the
5363 custodians of this knowledge and without their prior informed consent. A superficial observation of
5364 South Africa’s national legislation reflects the inability and deficiency of current intellectual property
5365 rights regimes to accommodate and protect indigenous knowledge fully. It is based on this

5366 consideration the National IKS Policy (2004) and the IK Act (2019) address the protection and
5367 promotion of Traditional Medicine.

5368
5369 Maluleka and Ngoepe (2019) show that the Traditional Health Practitioners Act 2007 was designed
5370 to regulate the registration, training, and practices of traditional health practitioners and serve and
5371 protect the interests of members of the public who utilize their services.

5372
5373 Umama Philisiwe Mthabela, a female traditional healer in the uMkhanyakude District Municipality,
5374 emphasized that African Indigenous knowledge systems, especially traditional medicine knowledge
5375 and practices, should be included in the teaching and learning of Western science and technology at
5376 all levels of education. She had the following to say:

5377
5378 *“Ngokucabangela ukukhula kokwakhiwa kwamasiko ahluhahlukene emakilasini*
5379 *aseNingizimu Afrika, ezweni elikhulayo lembulunga yonke, izingane zase-Afrika ezikoleni*
5380 *zingahluka kalula kulokho okufundiswa kwisayensi nobuchwepheshe baseNtshonalanga,*
5381 *kanye nendlela izifundo ezifundiswa ngayo. Ukufundisa nokufunda kweNqubo yoLwazi*
5382 *lweNdabuko yase-Afrika, okuhlanganisa Imithi Yesintu kanye nezinhlelo zokwelapha,*
5383 *kuzothuthukisa uhlaka olubanzi lokucabanga ngesimo sakithi sase-Afrika. Izonciphisa*
5384 *inkinga yokuhlanganiswa okunganele kwamasiko nezenhlalo kanye nemfundo yesayensi*
5385 *yemvelo kanye nemfundo yobuchwepheshe.”*

5386
5387 According to her, African students in schools may easily feel alienated from what is taught in Western
5388 science and technology classes and how the subjects are taught, given the increasingly multicultural
5389 makeup of South African classrooms in an increasingly globalized world. The broad framework for
5390 understanding the African local context will be improved by the teaching and learning of African
5391 Indigenous Knowledge Systems, including Traditional Medicines and healing systems. It will
5392 mitigate the problem of insufficient integration of the cultural-social and academic dimensions of
5393 natural science and technology education.

5394
5395 This was elaborated further by another female traditional healer, Umama Gamede, in the focus group
5396 discussion in the following words:

5397
5398 *“Njengengxenywe yoguquko lwezemfundo kanye nokuqedwa kwamakholoni eNingizimu Afrika*
5399 *nase-Afrika, ngokubanzi, ukufundisa nokufunda kwamasiko nemvelo ye-IKS kunciphisa*
5400 *ukucabanga okungamanga, phakathi kothisha bethu, ikakhulukazi ezifundweni zesayensi*

5401 *nezobuchwepheshe, ukuthi bonke abafundi ziyefana mayelana nobuwena kanye namandla*
 5402 *amasiko okuhlanganisa nokutholwa kolwazi. Isayensi yemvelo kanye nobuchwepheshe,*
 5403 *okufundiswa ezikoleni zethu, ngokombono waseNtshonalanga, kuthathe isiko eliqondile*
 5404 *lamandla, elivame ukubukela phansi iningi labafundi. Ukufundisa nokufunda kwezinhlelo*
 5405 *zolwazi lwendabuko lwase-Afrika okuhlanganisa nemithi yethu yendabuko kanye nezinhlelo*
 5406 *zokwelapha kuzosebenza ngamasu, kuguqule imibono yaseNtshonalanga bese kucebisa*
 5407 *othisha emkhakheni wokufundisa nokufunda wesayensi yemvelo nobuchwepheshe.”*

5408

5409 Umama Gamede claimed that the teaching and learning of the cultural and ecological specificity of
 5410 IKS mitigate the false assumptions among our educators, especially in the science and technology
 5411 subjects, that all learners are the same in terms of identity and cultural dynamics, including knowledge
 5412 acquisition. This is part of the educational transformation and decolonization in South Africa and
 5413 Africa at large. Most students are often marginalized by the natural science and technology courses
 5414 taught in our schools because they are based on Western perspectives and have an established culture
 5415 of power. African indigenous knowledge systems, including our traditional medical and healing
 5416 practices, can be taught and learned, which will strategically alter Western viewpoints and benefit
 5417 educators teaching natural science and technology.

5418

5419 The study wanted to establish from research participants (African Traditional Healthcare Practitioners
 5420 and their clients) in both study district municipalities their comparative knowledge, awareness, and
 5421 perspectives on national and international policy frameworks on traditional medicine. The results are
 5422 reflected in Tables 6.3 and Table 6.4.

5423

5424 ***Table 6-3. Comparative Percentage Distribution of Comparative Knowledge, Awareness, and***
 5425 ***Perspectives of Participant African Traditional Healthcare Practitioners (ATHPs) in The Study***
 5426 ***District Municipalities on National and International Policy Frameworks on Traditional***
 5427 ***Medicine***

1. Total Number of Male ATHP Participants in uGu District Municipality (12); Total Number of Female THP Participants in uGu District Municipality (18);	
2. Total Number of Male ATHP Participants in uMkhanyakude District Municipality (10); Total Female THP Participants in uMkhanyakude District (15).	
uGu District Municipality	uMkhanyakude District Municipality

Aware (n)		Aware (%)	Not Aware (n)		Not Aware (%)	Aware (n)		Aware (%)	Not Aware (n)		Not Aware (%)
Male	01	8%	Male	11	92 %	Male	02	20%	Male	08	80%
Female	02	11%	Female	16	89%	Female	01	07%	Female	14	93%

5428

5429 Table 6.3 shows that most of the research participants, ATHPs (male and female) in both study district
5430 municipalities, expressed the view that they were unaware of the National and International Policy
5431 and Legal Frameworks on Traditional Medicine. Table 6.4 provides their clients' comparative
5432 knowledge and awareness of these issues.

5433

5434 ***Table 6-4. Comparative Percentage Distribution of Knowledge and Awareness of the African***
5435 ***Traditional Health Practitioners (ATHPs) Clients in the Study District Municipalities on***
5436 ***National and International Policy Frameworks on Traditional Medicine***

1. Total Number of Male THP Clients in uGu District Municipality (62); Total Number of Female THP Clients in uGu District Municipality (88);											
2. Total Number of Male THP Clients in uMkhanyakude District Municipality (48); Total Number of Female THP Clients in uMkhanyakude District (77).											
uGu District Municipality						uMkhanyakude District Municipality					
Aware (n)		Aware (%)	Not Aware (n)		Not Aware (%)	Aware (n)		Aware (%)	Not Aware (n)		Not Aware (%)
Male	07	11%	Male	55	89%	Male	04	08%	Male	44	92%
Female	08	09%	Female	80	91%	Female	05	06%	Female	72	94%

5437

5438 Table 6.4 shows that most of the participant ATHP clients (male and female) in both study district
5439 municipalities expressed the view that they were unaware of the National and International Policy
5440 Frameworks on Traditional Medicine. During focus group discussions, the participant ATHPs and
5441 their clients articulated the need for capacity-building platforms and other knowledge and awareness
5442 opportunities to build their knowledge and awareness of these National and International Policies and
5443 legal Frameworks on Traditional Medicine and other related issues. Umama Nciki, a Traditional
5444 Healer from uGu District Municipality, who was aware of the National IKS Policy, had the following
5445 view:

5446

5447 *“Inqubomgomo Kazwelonke ye-IKS (2004) njengoba ngazi ukuthi iyaqaphela ukuthi izinqubo*
5448 *zethu zemithi yesintu yase-Afrika kanye nezinhlelo zokukholelwa kuyingxenye yamasiko ethu*
5449 *kanye Nezinhlelo Zolwazi Lomdabu. Badlala indima ebalulekile ekuhlinzekweni*
5450 *kokunakekelwa kwezempilo okuyisisekelo ezindaweni eziningi zasemakhaya nakweminye*
5451 *imiphakathi enganakiwe. Ukusetshenziswa kwawo okwandayo ngaphakathi nangaphandle*
5452 *kwemiphakathi yethu yasendaweni kukhulisa ukubaluleka kwawo kwezentengiselwano ukuze*
5453 *kuphile umphakathi esimeme mayelana nokwenza imali engenayo nokudala amathuba*
5454 *omsebenzi, ikakhulukazi uma kusekelwa kahle izinqubomgomo zikahulumeni.”*

5455

5456 Umama Nciki indicated that the National IKS Policy (2004) recognized African Traditional medicine
5457 practices and belief systems as part of African cultures and Indigenous Knowledge Systems. These
5458 are important in primary healthcare in most rural areas and marginalized communities. Their
5459 increasing use within and outside our local communities increases their commercial value for
5460 sustainable community livelihood in terms of income generation and employment creation, especially
5461 when well supported by government policies.

5462

5463 Ms Mbuyazi, a client of one of the traditional healers in uMkhanyakude, said:

5464

5465 *“Ukusetshenziswa nokukhuthazwa kwemithi yesintu yase-Afrika kanye nezindlela zokwelapha*
5466 *emiphakathini yakithi kusiza ukulondoloza amasiko nemikhuba yethu yesiNtu sase-Afrika.*
5467 *Enye yezinkolelo zethu zendabuko ezibaluleke kakhulu phakathi kwabantu bakithi*
5468 *ukukholelwa emadlozini angafi anethonya futhi aqondise izindaba zabaphilayo futhi*
5469 *okwenziwa kubo imikhuba yokubuyisana efana nokudla neziphuzo. Ngokwezinkolelo zethu,*
5470 *ukugula namashwa kuvela entukuthelweni yamadlozi, ubuthakathi, noma ukungcola*
5471 *okungokwesiko okuhlanganisa ubudlelwano obuphazamisekile bezenhlalo namasiko. Lezi*
5472 *zinhlelo zenani azitholakali emikhubeni yezokwelapha yaseNtshonalanga kodwa zinomthelela*
5473 *ekugondeni kwethu konke kwezempilo. Lokhu kuchaza ukuthi kungani emithini yethu*
5474 *yendabuko yase-Afrika kanye nezinqubo zokwelapha, sinezinhlobo ezimbili eziyinhloko*
5475 *zabelaphi bendabuko. Laba bangamakhambi (ngesiZulu inyanga; Xhosa ixhwele; Tsonga*
5476 *nyanga; Sotho ngaka) kanye nombhuli (okuthiwa isangoma ngesiZulu; igqirha ngesiXosa;*
5477 *mungome ngesiTsonga ; kanye selaodi ngesiSuthu).”*

5478

5479 According to Umama Nciki, the use, and promotion of traditional African medicine and healing
5480 practices in our local communities helps. One of our most important traditional beliefs amongst our

5481 people is the belief in the immortal ancestors who influence and direct the affairs of the living and to
5482 whom conciliatory practices such as food and drink are offered. We believe ill health and misfortune
5483 stem from ancestral anger, witchcraft, or ritual pollution, including disturbed social and cultural
5484 relations. These value systems are not found in Western medicine practices but impact our holistic
5485 understanding of health. This explains why we have two main types of traditional health practitioners
5486 in our African medicine and healing practices. These are the herbalist (called inyanga in
5487 Zulu; ixhwele in Xhosa; nyanga in Tsonga; and ngaka in Sotho) and the diviner (called isangoma in
5488 Zulu; igqirha in Xosa; mungome in Tsonga; and selaodi in Sotho).

5489

5490 The consensus in the focus group discussions in both study areas was that African indigenous people,
5491 in their diversity of cultures and ecosystems, building on their centuries of lived experiences
5492 combined with that of their ancestors, harbour huge knowledge about the environment and the
5493 ecological relationships within them. Tremendous educational opportunities exist where such
5494 knowledge can contribute to modern science and natural resource management within and outside
5495 Africa.

5496

5497 It was explained during focus group discussions that the diviners were considered to be the spiritual
5498 specialists of the local community. They used divination to communicate with the ancestral spirits
5499 who helped them to diagnose their patients' misfortunes or medical conditions. The diviner usually
5500 recommends the appropriate action in the form of counselling, prescribing medicines, and/or
5501 instructing on ritual ceremonies. The participants, African Traditional Health Practitioners, agreed
5502 that there is limited knowledge and awareness within and outside African societies on humans' three-
5503 dimensional and symbiotic nature, i.e., the biological, social, and spiritual being. It is based on this
5504 holistic understanding of a human being and its influence on health and wellness that the diviner will
5505 prescribe plant, mineral, or animal-based medicines, often in a ritualized context of use, either
5506 drinking, vomiting, bathing, or sprinkling around the home for physical, psychological and spiritual
5507 medicinal effects or spiritual protection. This is meant to rectify physical, spiritual, or social
5508 (interpersonal) imbalances. Contrary to biomedicine practitioners, the African traditional diviner-
5509 healer practices holistic medicine and healing, which addresses the wholeness of a person in
5510 relationship to cultural society's natural and spiritual environments. This implies that the African
5511 Traditional Healthcare practitioner plays a vital role in health care and wellness through their
5512 understanding that nature, humans, and spirits are not separate; hence, they use medicines and healing
5513 holistically to influence these interdependent forces on the physical, psychological, and
5514 spiritual/transpersonal levels.

5515

5516 During focus group discussions in both study areas, the research study was also interested in
5517 establishing the views of the ATHPs and their clients on issues related to the governance of traditional
5518 medicine within and outside their local communities. The argument stems from the observation that
5519 African rural and marginalized communities, where many people rely on indigenous knowledge
5520 systems—particularly traditional medicines—for their livelihood, feel that modern governance
5521 systems receive much more emphasis while traditional governance practices, including African
5522 traditional medicines and healing practices, receive little to no attention and remain largely
5523 undocumented. The community-based perspectives in the study areas are examined in the following
5524 sections.

5525

5526 Dumisa Dlamini, a Traditional Healer in uMkhanyakude District Municipality who indicated
5527 awareness of some of the National and International Policy and Legal Frameworks on Traditional
5528 Medicine, expressed the following concern:

5529

5530 *“Izinkinga eziningi ezingokomthetho nezingokoqobo eziphathelene nokuvikelwa kweLungelo*
5531 *Lempahla Yobuhlakani (I-IPR) zisazoqondwa futhi zixazululwe ngokugcwele. Lokhu*
5532 *kubandakanya ubunikazi obuhlangene/ukugcinwa kwemithi yesintu; inkinga yobunikazi*
5533 *nokusebenzisa amalungelo olwazi lwemithi yendabuko olukhona kuwo wonke amasiko e-*
5534 *Afrika ahlukene ezweni; izindlela ezisebenzayo zokusetshenziswa nokuphathwa*
5535 *kwamalungelo; izindlela zokusetshenziswa komthetho wesintu ekuvikelweni kwemithi yesintu;*
5536 *kanye nesidingo samazinga aphelele emibhalo, emithini yesintu. Ulwazi lwendabuko*
5537 *oluphathelene Nemithi Yesintu lukhishwe inyumbazane emnothweni wolwazi.”*

5538

5539 Dumisa Dlamini asserted that most practical and legal issues about protecting intellectual property
5540 rights (IPR) have not yet been properly recognized and resolved. This covers issues such as the need
5541 for comprehensive documentation standards for traditional medicine, the issue of ownership and
5542 exercise of rights in traditional medicinal knowledge that is present in the nation's various African
5543 cultures, practical methods for managing and exercising rights, and the application of customary law
5544 to the protection of traditional medicine. Traditional medicine-related indigenous knowledge has been
5545 marginalized in the knowledge economy.

5546

5547 Most participants (ATHPs and their clients) expressed the importance of protecting indigenous
5548 knowledge of Africa, including traditional medicine and associated resources in local communities.
5549 This is meant to guard this valuable knowledge, on which most African people have depended for
5550 sustainable livelihood against misappropriation and misuse, preservation of genetic resources and

5551 cultural goods, and protection against unfair competition. This will, in turn, ensure access and benefit
 5552 sharing for local communities. Promoting indigenous knowledge also has policy implications as it
 5553 enables policy-makers and other development agencies to comprehensively understand African
 5554 indigenous world views, cultures, the environment, the social, health, and economic conditions of
 5555 African people, and the nature of their traditional communities.

5556

5557 The study wanted to know the local community members' sources of knowledge and awareness on
 5558 national and international policy frameworks on Indigenous Knowledge about African traditional
 5559 medicine. The comparative findings are shown in Table 6.5 (Participant ATHPs) and Table 6.6
 5560 (Participant ATHPs Clients).

5561

5562 **Table 6-5. Comparative Sources of Knowledge and Awareness of Research Participant**
 5563 **ATHPs On National and International Policy Frameworks on Indigenous Knowledge**
 5564 **Concerning African Traditional Medicine**

1. Total Number of Male ATHP Participants in uGu District Municipality (12); Total Number of Female THP Participants in uGu District Municipality (18); 2. Total Number of Male ATHP Participants in uMkhanyakude District Municipality (10); Total Female THP Participants in uMkhanyakude District (15).									
uGu District Municipality					uMkhanyakude District Municipality				
Sources	Male	Sources (%)	Female	Sources (%)	Sources	Male	Sources (%)	Female	Sources (%)
Radio	01	07%	01	06%	Radio	01	01%		
TV					TV				
Newspaper					Newspaper				
Poster					Poster				
People					People				
Community Leaders	02	17%			Community Leaders			01	07%
Friend					Friend	01	01%		
Family member	01	07%			Family member				
Other places					Other places				
Could not answer	8	67%	17	94%	Could not answer	08	80%	14	93%

5565

5566 Table 6.5 shows that most of the research participants, ATHPs (male and female), in both study
5567 district municipalities, could not answer the question on sources of Knowledge and Awareness of
5568 National and International Policy Frameworks on Indigenous Knowledge concerning African
5569 Traditional Medicine. However, participants who were able to answer the question expressed that
5570 they became aware of the National and International Policy and Legal Frameworks on Traditional
5571 Medicine through the radio, community leaders, friends, and family members. Table 6.6 provides
5572 their clients' comparative source of knowledge and awareness on these issues.

5573

5574 Research findings indicate that while a portion of the respondents demonstrated familiarity with the
5575 Indigenous Knowledge Systems (IKS) Policy and various National and International Policy
5576 Frameworks, a significant majority of African Traditional Health Practitioners (ATHPs) interviewed
5577 expressed, for the first time, a lack of government engagement regarding IKS and International
5578 policies and legal frameworks about traditional medicine, which remains the primary source of
5579 healthcare for a majority of the population. Notably, some participants acknowledged that the
5580 government had previously encouraged the certification of ATHPs to legalize their practice and grant
5581 them freedom as African Traditional Health Practitioners. However, they noted the absence of
5582 government-supported programs despite the issuance of work permits. These observations align with
5583 the recommendation proposed by the IKS policy, emphasizing the need for South Africa to establish
5584 mechanisms for certifying Indigenous Knowledge holders and protecting their rights. Consequently,
5585 following the discussions, many ATHPs strongly desired to acquire further knowledge about IKS and
5586 the International policies and legal frameworks surrounding traditional medicine. This sentiment was
5587 eloquently expressed by Umama Albertina Mahlaba, one of the research participants in uGu, who
5588 exclaimed:

5589

5590 *“Lo mgomo ubukeka njengombhalo obalulekile okufanele ufinyelelwe kalula yibo bonke*
5591 *abantu, ikakhulukazi thina basemakhaya. Bengingazi nokuthi ikhona incwadi enjalo.*
5592 *Nginesiqiniseko sokuthi kunedlanzana lozakwethu namalungu omphakathi angazi ukuthi*
5593 *umgomo onjalo ukhona. Kubalulekile ukuthi uhulumeni akhuthaze ukuqwashisa*
5594 *ngeNqubomgomo ye-IKS. Umqulu wenqubomgomo udinga ukuchazwa ngokucacile,*
5595 *ikakhulukazi njengoba iningi lamalungu omphakathi wethu angafundile kodwa futhi*
5596 *angathanda ukuzuza kulo mgomo.”*

5597

5598 Umama Albertina Mahlaba indicated that the IKS policy appeared to be a crucial document to which
5599 everyone should have easy access, particularly in rural areas. She had no idea that there was even a
5600 document like that. Many coworkers and community members are likely unaware of such a policy.

5601 The IKS Policy must be promoted and more widely known by the government. Clarity in the policy
 5602 document is necessary, particularly since many members of the African community lack formal
 5603 education but would still like to benefit from it.

5604

5605 **Table 6-6. Comparative Sources of Knowledge and Awareness of Research Participant ATHPs**
 5606 **Clients on National and International Policy Frameworks on Indigenous Knowledge concerning**
 5607 **African Traditional Medicine**

1. Total Number of Male THP Clients in uGu District Municipality (62); Total Number of Female THP Clients in uGu District Municipality (88); 2. Total Number of Male THP Clients in uMkhanyakude District Municipality (48); Total Number of Female THP Clients in uMkhanyakude District (77).									
uGu District Municipality					uMkhanyakude District Municipality				
Sources	Male	Sources (%)	Female	Sources (%)	Sources	Male	Sources (%)	Female	Sources (%)
Radio	03	5%	01	1%	Radio	02	4%		
TV					TV				
Newspaper					Newspaper				
Poster					Poster				
People	02	3%			People	01	2%		
Community Leaders	02	3%	01	1%	Community Leaders	01	2%	03	4%
Friend					Friend				
Family member					Family member				
Other places					Other places				
Could not answer	55	89%	86	98%	Could not answer	44	92%	74	96%

5608

5609 Table 6.6 shows that most of the participant ATHP clients (male and female) in both study district
 5610 municipalities could not answer the question on sources of Knowledge and Awareness of National
 5611 and International Policy Frameworks on Indigenous Knowledge concerning African Traditional
 5612 Medicine. However, participants who were able to answer the question expressed that they became
 5613 aware of the National and International Policy and Legal Frameworks on Traditional Medicine

5614 through the radio, community leaders, friends, and family members. Most clients interviewed
5615 acknowledged that people in their respective communities valued IKS activities. They affirmed for
5616 the first time that despite the high value of IKS in their communities, nobody from the government
5617 had come to the community to talk and explain about IKS and International policies and legal
5618 frameworks on the same traditional medicine on which the majority of the population continue to rely
5619 on to meet their primary healthcare needs. The majority were willing to learn more about National
5620 and International Policy Frameworks on Indigenous Knowledge concerning African Traditional
5621 Medicine, including the IKS policy.

5622

5623 **6.4 Governance and Management of African Traditional Medicine and Healing Systems in** 5624 **Local Communities: Challenges and Prospects**

5625 Traditional governance practices are important in local community-based knowledge systems and
5626 practices, including traditional medicine and healing systems. They are traditionally shaped by the
5627 local communities' socio-cultural beliefs and value systems, which are inclusive and accessible. In
5628 comparison, modern governance practices are widely perceived as top-down and alien to local
5629 communities' cultural beliefs and value systems, including attitudes toward traditional medicine and
5630 healing practices. In healthcare systems, governance refers to how decisions are made and
5631 implemented concerning healthcare services (Hamra et al., 2020). From a socio-ecological and
5632 environmental viewpoint, governance refers to how collective decisions and goals are made and
5633 achieved. Key aspects of governance include transparency, participation, accountability, integrity,
5634 and capacity (OECD, 2022).

5635

5636 Hence, traditional medicine and healing systems' governance practices consist of culturally binding
5637 customs, taboos, beliefs, and informal societal regulations that silently regulate TM and are
5638 informally passed over generations.

5639

5640 Baba Cele, a traditional healer in uGu District Municipality, complained:

5641

5642 *“Ngokuvamile kugcizelelwa kakhulu ezinhlelweni zokuphatha zaseNtshonalanga futhi*
5643 *kuncane noma kunganakwa nhlobo izinqubo zethu zokuphatha ngokwendabuko, ezaziwa*
5644 *ngabantu bakithi kodwa zihlala zingabhaliwe phansi.”*

5645

5646 Baba Cele claimed that while Western governance systems are typically given a lot of attention,
5647 African traditional governance practices—which are well-known to African people but mainly
5648 undocumented—receive little to no attention.

5649

5650 Interviews and focus group discussions with traditional healthcare practitioners and their clients in
5651 both district municipalities indicated that traditional medicine practice and healing practices in local
5652 African communities have been public healthcare concerns. This is attributed to malpractices that put
5653 people's health at risk. As a result of the juxtaposing of Traditional medicine and Western medicines
5654 in the local communities, a concern was raised during a focus group discussion in uMkhanyakude
5655 District Municipality that there was widespread contamination of herbal medicine products by
5656 outsiders and increasing noncompliance with Western medications among traditional medicine users,
5657 which compromised the trust and safety of traditional medicine use. Ntate Zikhali, a client of one of
5658 the participant's Traditional Healthcare practitioners, said:

5659

5660 *“Abantu abaningi baya ekwelapheni kwesimanje kuphela uma behlulekile ukubelapha.*
5661 *Ngeshwa iningi labo alikuvezi ukusetshenziswa kwemithi yesintu kodokotela besimanje,*
5662 *ikakhulukazi ngoba odokotela bayehluleka ukubuza. Ukusetshenziswa kwemithi yesintu kanye*
5663 *nokwelapha abantu abavamile ngokuvamile kubangelwa ukutholakala kwayo kalula kanye*
5664 *nokufinyeleleka kwayo uma kuqhathaniswa nemithi yesimanje. Kukhona futhi abantu*
5665 *emphakathini abakholelwa ezimbangela zezifo ezingaphezu kwemvelo ngakho-ke bakhetha*
5666 *imithi yesintu kanye nezinqubo zokwelapha.”*

5667

5668 According to him, many people sought modern medical care only after traditional medicine could not
5669 heal them. Regretfully, most do not tell contemporary doctors that they take traditional medicines,
5670 mainly because they forget to inquire. The general public's use of traditional medicine and healing
5671 systems is frequently linked to its accessibility and affordability compared to modern medicine. There
5672 are also members of the community who believe in supernatural causes of disease and prefer
5673 traditional medicine and healing practices.

5674

5675 Past research (Mujinja and Saronga, 2022), within and outside South Africa, indicates that these
5676 malpractices include false labelling and advertising of TM products; false claims of ‘magic’ and
5677 efficacious treatment; and false self-proclaiming of ‘doctor’ title by practitioners. Raposo (2019)
5678 states that malpractice in TM might be due to imperfect information, among other factors. However,
5679 according to the views of the focus groups’ discussion participants, imperfect information exists when
5680 the practitioners, clients, and sometimes the regulators do not have full knowledge about African

5681 Traditional Medicine and healing practices, regulations, and what is being regulated. They believed
5682 imperfect information tends to cause non-adherence to and poor implementation of regulations.
5683 Suppose access to TM information is limited among the stakeholders. In that case, the practitioners
5684 may be unable to adhere to some regulations, and regulators may not be able to regulate the practice
5685 effectively.

5686

5687 One local community leader in uGu District Municipality indicated that information on TM practice
5688 is critical for public health safety because many people in the local community access TM when
5689 needing primary healthcare before accessing modern medicine or in conjunction with both. This
5690 makes accessibility of information on TM regulations among practitioners and regulators critical to
5691 public healthcare because regulations protect TM consumers against malpractice. She raised the
5692 concern that imperfect information is more noticeable in TM practice due to multiple groups of
5693 practitioners, from within and outside South Africa, practicing distinctive modes of the profession.
5694 The fragmentation is mostly due to intra-practitioner knowledge differences and the practice's origin;
5695 some have not recognized specialized training in their practice.

5696

5697 This concern is supported by (Mujinja and Saronga, 2022), who state that the professional knowledge
5698 heterogeneity in TM within practitioner groups in local communities has resulted in demand for a
5699 self-regulatory framework among different specialized groups. In addition, the intra-practitioner
5700 knowledge differences tend to contribute to the aggravation of the differences in awareness and,
5701 consequently, adherence to regulations. The existence of imperfect information in TM practice
5702 necessitates governmental regulatory action to protect customers against risky practices. Mothibe and
5703 Sibanda (2019) show that the World Health Organization (WHO) developed a Traditional Medicine
5704 strategy (2014-2023) to guide TM policies, plans, and regulatory processes. It emphasizes, among
5705 other things, that for an effective regulatory framework, there must be clear and adequate legislation,
5706 regulation, guidelines, and procedures; human and financial resources; transparency, cooperation, and
5707 collaboration between the regulating authority and other stakeholders, including the practitioners.

5708

5709 However, the Traditional Healthcare Practitioners and their clients expressed that African Traditional
5710 medicine and healing practices in the local communities also need to consider local customs and
5711 indigenous knowledge systems in their governance to have cultural relevance and acceptability. These
5712 are traditionally transferred via cultural means, including socio-cultural protocols.

5713

5714 **6.5 The Comparative Usage of African Traditional Medicines in the Study District**
 5715 **Municipalities**

5716 The study was interested in establishing the comparative usage of traditional African medicines,
 5717 including frequency of usage among the clients of the participant traditional healthcare practitioners
 5718 in the study district municipalities. The findings are reflected in Table 6.7.

5719

5720 ***Table 6-7. Comparative Percentage Distribution of Frequency of Usage of African Traditional***
 5721 ***Medicines Among the Clients of The Participant Traditional Healthcare Practitioners in the***
 5722 ***Study District Municipalities***

1. Total Number of Male ATHP Clients in uGu District Municipality (62); Total Number of Female THP Clients in uGu District Municipality (88); 2. Total Number of Male ATHP Clients in uMkhanyakude District Municipality (48); Total Number of Female ATHP Clients in uMkhanyakude District (77)								
Frequency of Usage	uGu District Municipality				uMkhanyakude District Municipality			
	Male (n)	Male (%)	Female (n)	Female (%)	Male (n)	Male (%)	Female (n)	Female (%)
Everyday	05	08%	08	09 %	03	06%	06	8%
2-6 times a Week	10	16%	47	53%	8	17%	48	62%
Once a Week	15	24%	26	30%	12	25%	18	23%
Once a Month	29	47%	05	06%	23	48%	03	04%
Don't Know	03	05%	02	02%	02	04%	02	03%
Total	62	100%	88	100%	48	100%	77	100%

5723

5724 Table 6.7 shows that most ATHPs' female clients in both study district municipalities took traditional
 5725 medicines 2-6 times a week. During in-depth interviews and focus group discussions, this was
 5726 attributed to women and children being frequently vulnerable to illnesses and consulting traditional
 5727 healthcare practitioners more frequently than men due to ease of accessibility and affordability.

5728

5729 It was also pointed out during focus group discussions that the relevance of African Traditional
 5730 Medicine in healthcare in local communities is increasing due to several factors: In the absence of
 5731 modern healthcare services, African Traditional Healthcare Practitioners (ATHPs) provided the

5732 earliest medical care in the local communities, especially for underprivileged women and their family
5733 members.

5734

5735 Mama Nciki in uGu District Municipality had the following to say on the benefits of African
5736 traditional medicines in local communities:

5737

5738 *“Izindleko ezikhulayo zokufinyelela izinsiza zemithi yesimanje ziye zaqhubeka nokuthatha*
5739 *ukunakekelwa kwezokwelapha okunjalo endaweni efinyelelekayo kubantu abaningi*
5740 *abavamile abaneholo eliphansi kakhulu. Le nkinga ibhebhethekiswa wukuntula*
5741 *kwemitholampilo eyanele futhi engenazo izinto zokusebenza, ikakhulukazi ezindaweni*
5742 *zasemakhaya kanye nokushoda kodokotela abanekhono. Kweminye imiphakathi yendawo,*
5743 *imithi yendabuko ukuphela komthombo wokulethwa kokunakekelwa kwezempilo owaziwayo,*
5744 *ofinyelelekayo, owamukelekayo, futhi othengekayo. Kushibhile futhi kufinyeleleka kalula*
5745 *kwezomnotho kubantu abavamile. Izinto ezisetshenziswa ekulungiseleleni imithi yethu yesintu*
5746 *imvamisa zitholakala endaweni kanti kwezinye zitholakala mahhala. Emiphakathini yethu*
5747 *eminingi yasemakhaya, abelaphi bendabuko bangabahlinzeki bezempilo abathenjwa kakhulu*
5748 *nabafinyeleleka kalula emiphakathini yabo.”*

5749

5750 According to Ntate Zikhali, most common people with very low incomes can no longer afford the
5751 rising costs of accessing modern medicine services. Inadequate and ill-equipped clinics, particularly
5752 in rural areas, and a lack of qualified medical professionals worsen this issue. Traditional medicine is
5753 the only known source of healthcare delivery accessible, acceptable, and reasonably priced in some
5754 local communities. It is affordable and accessible to the general public. The ingredients we use to
5755 make our traditional medicines are typically found nearby and occasionally come for free. Traditional
5756 healers are typically the most dependable and approachable medical professionals in respective rural
5757 communities.

5758

5759 These factors make traditional medicine knowledge a powerful tool for national economic growth
5760 and development, which deserves preservation and protection. The potential contribution of
5761 traditional medicine knowledge to locally managed, sustainable, and cost-effective survival strategies
5762 should be promoted in the development process. It is in recognition of the great potential of traditional
5763 medicine and its contribution to the continent’s sustainable development in the wealth and well-being
5764 of African people across cultures and regions, poverty alleviation, and job creation that the African
5765 Union declared the period of 2001-2010, as the decade for African Traditional Medicine with a
5766 directive that research on African traditional medicine be made a priority. The main objective of the

5767 plan of Action for African traditional medicine is the recognition, acceptance, development, and
5768 integration of Traditional Medicine by all Member States into the public health care system
5769 (DoHSA,2008). The World Health Organization (WHO) has also recognized this aspect, emphasizing
5770 the need to integrate traditional medicine into public healthcare.

5771

5772 Several African countries, including South Africa, have adopted this initiative and maintain specific
5773 institutions mandated to fast-track the coordination of research and development, documentation, and
5774 promotion of their traditional medicines, not only for improved healthcare delivery but also for the
5775 immense job and wealth creation potentials. Ampomah et al.(2022) note that Traditional medicine is
5776 appreciated worldwide for its holistic approach to healthcare and well-being, easy access, ready
5777 availability, cost-effectiveness, and limited side effects.

5778

5779 These attributes of traditional medicine were emphasized by Ubaba Cele, an ATHP client in the uGu
5780 District Municipality, who said:

5781

5782 *“Imithi yesintu yase-Afrika yangaphambi kwemithi yesimanje e-Afrika. Imvelo yayo ephелеle*
5783 *ekunakekelweni kwabantu inamandla kwezinye izindawo lapho imithi yaseNtshonalanga*
5784 *ingasebenzi kakhulu. Kufanele sivume ukuthi kunezinselele ezihambisana nokuphathwa*
5785 *kokunakekelwa kwezokwelapha kwendabuko njengezindaba zokulinganiswa kwemithi yakho,*
5786 *umthamo, ukulungiswa, ukubhalwa kwemibhalo, ukulondolozwa, amandla, kanye*
5787 *nokunqunywa komthelela oseceleni. Kodwa-ke, uma lokhu kushiyeke kulungiswa*
5788 *ngokuyihlanganisa nezinye izinhlelo zolwazi nobuchwepheshe, imithi yethu yendabuko yase-*
5789 *Afrika inokuningi esingakunikeza ekusindiseni izimpilo zabantu base-Afrika nangale*
5790 *kwezwekazi.”*

5791

5792 According to Ubaba Cele, African traditional medicine predated modern medicine in Africa. Its
5793 holistic nature in human care is stronger in some areas where Western medicine is ineffective. We
5794 should acknowledge that there are challenges associated with the administration of traditional medical
5795 care, such as the measurability of its drugs, dosage, preparation, documentation, preservation,
5796 potency, and determination of the side effects. However, imagine that these flaws are fixed by
5797 integrating them with other technological and knowledge-based systems. In that scenario, traditional
5798 African medicine can significantly save people's lives in Africa and beyond.

5799

5800 **6.6 Local Community Attitudes Towards Preservation, Protection, and Beneficiation of** 5801 **African Traditional Medicine**

5802 One of the basic characteristics of indigenous knowledge is its predominantly oral nature. It exists in
5803 the minds of the local people who use it daily; hence, it is an essential resource for any local
5804 community's livelihood and development process. In most African local communities, indigenous
5805 knowledge systems constitute the basis for decisions about food security, human and animal health,
5806 education, peace and security, natural resource management, and other crucial social practices.
5807 Indigenous knowledge, therefore, is an integral part of local communities' culture and history and
5808 their common asset in their effort to gain control of their own lives. This necessitates the interface of
5809 these local community-based knowledge systems with other knowledge and technology systems,
5810 including digital and artistic technologies, to improve their preservation in some permanent form and
5811 public accessibility for sustainable futures. Ubaba Tabula, a traditional healer in uGu District
5812 Municipality, emphasized the following:

5813

5814 *“Ngaphezu kokulondolozwa, ukufinyeleleka ku-inthanethi kolwazi lwemithi yendabuko kanye*
5815 *nezinye izinhlobo zolwazi lwendabuko, kunikeza ithuluzi elisebenzayo lokucwaninga*
5816 *nokusungula izinto ezintsha. Njengamanje kunokubambisana okulinganiselwe kwezinhlaka*
5817 *zikhulumeni ezehlukene, ikakhulukazi emazingeni omphakathi wezifundazwe nasekhaya,*
5818 *abambe iqhaza ekulondolozweni kolwazi lwendabuko. Ukunethezeka kolwazi lwendabuko*
5819 *nolwazi olufakwe kudijithali okungakopishwa futhi ludluliselwe kubantu, kuphakamisa*
5820 *izinkinga mayelana nekhono lemiphakathi yendawo ukuze njalo uqinisekise ubunikazi*
5821 *nobuqotho bolwazi lwayo, ngaphandle kokuyekethisa izici zayo ezingcwele.”*

5822

5823 Ubaba Tabula believed that online accessibility to traditional medical knowledge and other forms of
5824 traditional knowledge not only preserves them but also serves as a useful tool for research and
5825 innovation. A few government agencies currently work in restricted cooperative partnerships to
5826 preserve traditional knowledge, particularly at the provincial and local community levels. The ease
5827 with which people could copy and disseminate traditional knowledge and information in digital form
5828 raises concerns about how well local communities can maintain ownership and integrity of their
5829 knowledge without jeopardizing its sacred qualities.

5830

5831 The sentiment was emphasized by different indigenous knowledge stakeholders, including other
5832 community members, who participated in focus group discussions in uMkhanyakude District
5833 Municipality on the significance of interfacing traditional medicine knowledge with other knowledge
5834 and technology systems. They indicated that African traditional medicine knowledge is

5835 predominantly tacit, like other indigenous knowledge systems. It is embedded in traditional social
5836 practices and experiences of its knowledge holders and practitioners. While the transmission medium
5837 is usually through personal communication and demonstration from the teacher to the apprentice,
5838 from parents to children, the traditional channels adopted for preservation include taboos, symbols,
5839 myths/legends, rituals, poetry, and folklore. Some societies also appoint traditional gatekeepers of
5840 knowledge, such as “*imbongi*” among the Zulu and Ndebele people in Southern Africa. Thus,
5841 indigenous knowledge develops incrementally, with each generation adding to the stock, based
5842 largely on either the group or individual experience of the practitioner(s).

5843

5844 It was agreed that these traditional methods of preserving traditional medicine knowledge systems in
5845 local communities are inadequate in a complex, dynamic, and globalizing world. Since it is
5846 predominantly oral and undocumented, the knowledge tends to die with the holders of that particular
5847 knowledge if it is not shared or when the chain of transmission is broken. In most traditional African
5848 societies, the knowledge of traditional medicinal practices and healing systems tends to be
5849 concentrated in the older generation of traditional African healthcare practitioners (ATHPs). Past
5850 research studies reveal that these ATHPs are usually farmers, hunters, fishermen, etc., above 50 years
5851 of age (Ibrahim et al., 2016). The transfer of knowledge and skills of the practice is mainly through
5852 family inheritance, and only very few practitioners developed their skills through apprenticeship.

5853

5854 However, during focus group discussions in both study areas, the challenges of preservation of
5855 African traditional medicines and policy implications were critically discussed. It was argued that
5856 notwithstanding the benefits of integrating digital technologies in the preservation of traditional
5857 medicine knowledge, especially the ease with which information could be copied and transmitted,
5858 there are also challenges to the ability of local communities to continuously ensure ownership and
5859 integrity of their knowledge, especially that its sacred features are not compromised.

5860

5861 The individualistic and communal aspects of African traditional medicines and knowledge systems
5862 concerning protection were also discussed. This was based on the argument that although traditional
5863 medicinal knowledge is usually regarded as communal, aspects of this knowledge usually reside in
5864 an individual instead of a group or a community. Some participants expressed the view that it is not
5865 always proper to claim that the knowledge and skills possessed by traditional healers are all in the
5866 public domain or communal. This assertion is problematic because African traditional healers rarely
5867 reveal the secrets of their medicinal remedies and healing systems, which they individually possess.
5868 According to them, this individualistic aspect of traditional medicine knowledge reinforces the
5869 concept of “knowledge is power”. It supports the view that knowledge is a source of status and income

5870 (especially where such knowledge is uncommon). In such a situation, the knowledge holder will
5871 protect it suspiciously and may not be unwilling to share it.

5872

5873 It was also argued that local communities are hesitant to document their traditional knowledge outside
5874 their traditional oral medium for fear that it may be misused, stolen, or used against them or that they
5875 will lose claim to the knowledge after documentation, especially in the globalized world. In many
5876 cases, traditional healers' suspicions have presented challenges to successful documentation,
5877 especially the digitalization of traditional medicine knowledge. The problem becomes more
5878 complicated when the field research relating to the documentation of traditional medicines and
5879 healing systems is carried out by individuals alien to the local community.

5880

5881 Some participants in the focus group discussions raised the issue of verifying traditional medicinal
5882 knowledge. It was pointed out that when a particular plant species is alleged to cure a certain disease,
5883 there is a need to verify this claim before documentation. This was raised as a challenge when the
5884 individuals or institutions involved in the verification and documentation process are not traditional
5885 healers themselves from the local community and may have to depend on some other sources to verify
5886 the information they receive from the community. The oral nature of African traditional medicine
5887 knowledge also makes it difficult to establish the authenticity of oral sources that are often forgotten
5888 over time. It was generally agreed that verification is very important because it serves as a safety
5889 measure to counter the fatal effect that may result from applying a wrong or bogus treatment to an
5890 ailment. Based on this consideration, the South African government initiated the Recognition of Prior
5891 Learning (RPL) as part of the IK Act (2019). The verification problem could be addressed by
5892 subjecting the traditional knowledge to peer review and laboratory scrutiny. The documentation of
5893 traditional medicine knowledge is also threatened by limited collaboration among various
5894 government agencies in most African countries, especially at provincial and local community levels.
5895 In South Africa, various government departments, agencies, and even NGOs are actively involved in
5896 traditional medicine knowledge documentation. However, the initiatives are not well coordinated and,
5897 in most cases, result in waste or duplication of efforts (Christian, 2009).

5898

5899 These discussions at the local community level, involving a diversity of stakeholders, imply that the
5900 benefits of traditional medicine knowledge deserve the efforts to deal with the challenges of
5901 documentation and accessibility. This is based on the recognition that documentation of African
5902 traditional medicine knowledge in some permanent form will benefit the local communities and the
5903 common good of all by creating opportunities for innovation and development.

5904

5905 **6.6.1 Protection of African Traditional Medicines and Associated Indigenous Knowledge Systems**
 5906 **Including Local Community Beneficiation**

5907 The study wanted to establish the community knowledge and awareness of African Traditional
 5908 Medicine and associated knowledge systems on the IK Act (2019). The IK Act's regulatory function
 5909 provides the conditions for access and use of indigenous knowledge and deals with intellectual
 5910 property management. It intervenes in transboundary indigenous knowledge, such as between
 5911 neighbouring countries like Namibia, Lesotho, and Botswana, and serves as a national competent
 5912 authority. The comparative findings from the two study District Municipalities in KwaZulu-Natal
 5913 province (uGu District Municipality and uMkhanyakude District Municipalities) are reflected in
 5914 Tables 6.8 and 6.9.

5915

5916 **Table 6-8. Comparative Percentage Distribution of Research Participants African Traditional**
 5917 **Healthcare Practitioners (ATHPs) in The Study District Municipalities on the IK Act (2019)**
 5918 **Concerning Protection of African Traditional Medicine and Associated Knowledge Systems**

1. Total Number of Male ATHP Participants in uGu District Municipality (12); Total Number of Female THP Participants in uGu District Municipality (18);											
2. Total Number of Male ATHP Participants in uMkhanyakude District Municipality (10); Total Female THP Participants in uMkhanyakude District (15).											
uGu District Municipality						uMkhanyakude District Municipality					
Aware (n)		Aware (%)	Not Aware (n)		Not Aware (%)	Aware (n)		Aware (%)	Not Aware (n)		Not Aware (%)
Male	01	08%	Male	11	92%	Male	01	10%	Male	09	90%
Female	01	06%	Female	17	94%	Female	01	07%	Female	14	93%

5919

5920 Table 6.8 shows that most of the research participants ATHP (male and female) in both study district
 5921 municipalities expressed that they had no knowledge and were unaware of the IK Act (2019)
 5922 concerning the protection of African traditional medicine and associated knowledge systems. Table
 5923 6.9 provides their clients' comparative knowledge and awareness of these issues.

5924

5925

5926

5927

5928 **Table 6-9. Comparative Percentage Distribution of Knowledge and Awareness of the Traditional**
 5929 **Health Practitioners (THPs) Clients in the Study District Municipalities on IK Act (2019)**
 5930 **concerning protecting African traditional medicine and associated knowledge systems**

1. Total Number of Male THP Clients in uGu District Municipality (62); Total Number of Female THP Clients in uGu District Municipality (88); 2. Total Number of Male THP Clients in uMkhanyakude District Municipality (48); Total Number of Female THP Clients in uMkhanyakude District (77).											
uGu District Municipality						uMkhanyakude District Municipality					
Aware (n)		Aware (%)	Not Aware (n)		Not Aware (%)	Aware (n)		Aware (%)	Not Aware (n)		Not Aware (%)
Male	07	11%	Male	55	89%	Male	04	08%	Male	44	92%
Female	02	02%	Female	86	98%	Female	03	04%	Female	74	96%

5931

5932 Table 6.9 shows that most of the participant ATHP clients (male and female) in both study district
 5933 municipalities expressed that they had no knowledge and were unaware of the IK Act (2019)
 5934 concerning the protection of African traditional medicine and associated knowledge systems.

5935

5936 During focus group discussions, the participant ATHPs and their clients articulated the need for
 5937 capacity-building platforms and other knowledge and awareness opportunities to build their
 5938 knowledge and awareness of the IK Act (2019) concerning protecting African traditional medicine
 5939 and associated knowledge systems. Those who had knowledge and awareness of legal and policy
 5940 framework concerning the protection of African traditional medicine and associated knowledge
 5941 systems indicated that the applicability of conventional Intellectual Property Rights (IPR) concerning
 5942 the protection of African traditional medicine and associated knowledge systems, the concept of
 5943 copyright and individual rights to privately owned and controlled information is at odds with the
 5944 traditional notion that knowledge is collectively owned and shared. Thus, a challenge to the
 5945 application of the Western concept of IPR to African traditional medicine knowledge. This calls for
 5946 a sustainable legal framework that meets the unique characteristics of African traditional medicine
 5947 knowledge. Based on this consideration, stakeholders such as the government of South Africa
 5948 embarked on the effort to put in place a *sui generis* legislation that protects and ensures equitable
 5949 access to traditional medicine knowledge and associated resources.

5950

5951 The significance of African Traditional Medicine knowledge and associated resource protection also
5952 lies in its importance to the pharmaceutical industry, especially in drug development. Gaukroger
5953 (2016) and Unschuld (2022) reveal that Western science is gradually reaching its apex in providing
5954 new treatments for diseases afflicting humanity. Drug Discovery in the current scenario has become
5955 unproductive to the point where the economic future of the pharmaceutical industry is questionable.
5956 The Research and Development (R&D) thrust in the pharmaceutical sector is now beginning to be
5957 focused on developing new drugs, innovative processes for known drugs, and developing plant-based
5958 drugs through investigation of leads from the traditional systems of medicine. Unquestionably,
5959 traditional medicine can provide unique inputs into the drug development process and boost
5960 pharmaceutical drug discovery by a very high margin. The immense benefit of traditional medicinal
5961 knowledge in pharmaceutical drug development has given rise to bioprospecting and its illegal
5962 counterpart – biopiracy (Pramanik, 2018).

5963

5964 Munyonga (2020) indicates that the increase in cases of biopiracy is making traditional knowledge
5965 holders and practitioners in Africa and other developing countries very worried. The fear is not related
5966 to the historical trend of expropriation without compensation from pre-colonial times till to date. This
5967 is exacerbated by the growing notion by proponents of Intellectual Property Rights (IPR) that it should
5968 be applied to traditional medicinal knowledge to preserve and promote their commercial exploitation.
5969 It suffices to state, though, that IPRs, such as patents, do not primarily guarantee the commercial
5970 exploitation of knowledge rather, they are instruments whose main purpose is to exclude others from
5971 the knowledge.

5972

5973 Owiny et al. (2014) add that discussions on the challenges of the digital era tend to focus on the
5974 ownership rights of companies and individuals but with limited consideration of the plight of the
5975 underprivileged local community knowledge holders and practitioners in developing countries,
5976 including in Africa. The Western IPRS regimes tend to reward those who are in a position to patent
5977 certain kinds of innovation but do not recognize the originators of the innovations. Based on these
5978 challenges, it is argued that the Western intellectual property concept is inappropriate for traditional
5979 knowledge. Intellectual Property Rights, especially patents, as the West's primary mechanism for
5980 allocating rights over knowledge and its products, exemplify Western scientific traditions. Applying
5981 IPR to indigenous knowledge is economically detrimental to African cultural communities and can
5982 erode their community-based knowledge systems.

5983

5984 Considering their unequal position in the global knowledge economy, African countries and their
5985 indigenous knowledge holders and practitioners, including those in traditional medicine, endure the

5986 greater share of misappropriation of indigenous knowledge systems. It is argued that their main loss
5987 is not the money their indigenous population might earn from selling herbs and local seeds. Still, the
5988 true price is the induction into a system of trade where the deck is already stacked in favour of existing
5989 and highly developed proprietary interests. Long-range economic value cannot be achieved by
5990 artificially monetizing shared traditions through patenting, copyrighting, or trademarking
5991 components like medicine, genetic materials, or other processes and structures of nature incorporated
5992 into the common heritage within African countries (Christian,2009).

5993

5994 It was also reiterated during the focus discussion that applying the Western IPR regime to traditional
5995 medicine knowledge will deprive the local people of access to such knowledge as ownership of the
5996 knowledge will be vested in the patent holder. At the same time, others had the view that if traditional
5997 medicine knowledge and other indigenous knowledge systems are left without any basic form of
5998 protection, it will lead to difficulties of access as the holders will be unwilling to disclose for fear of
5999 biopiracy together the subsequent effect of expropriation without compensation. This could restrict
6000 access to local knowledge systems.

6001

6002 It was agreed that a workable legal framework should meet the diverse interests associated with
6003 traditional medicine knowledge and other community-based knowledge systems. The current trend
6004 in the globalization of knowledge, especially concerning once relatively obscure indigenous
6005 knowledge systems, requires establishing a framework that will address the fear of local communities
6006 by making their knowledge systems, including traditional medicine, accessible for beneficial use. A
6007 sustainable framework to this effect will be one that will preserve the communal rights characteristic
6008 of indigenous knowledge and enhance access to this knowledge for scientific discovery and
6009 innovation while at the same time granting local communities and their knowledge holders and
6010 practitioners equitable access to any commercial benefits arising from the use of such knowledge.
6011 Umama Tabula, a traditional healer in uGu District Municipality who was aware of some of the
6012 indigenous knowledge policy and legal framework concerning African traditional medicine
6013 knowledge and associated resources, said:

6014

6015 *“Ukumane unikeze ilungelo lobunikazi, ukusetshenziswa, kanye nokuxhashazwa kolwazi*
6016 *lwendabuko kanye nemithombo yemvelo emiphakathini yendawo nakubantu ngabanye*
6017 *(njengoba kungaba njalo) akwanele ikakhulukazi uma kubhekwa iqiniso lokuthi iningi lalaba*
6018 *bantu abafundile kahle futhi isikhundla esingcono kakhulu sokuxoxisana ngezinkontileka*
6019 *eziyinkimbinkimbi noma izivumelwano maqondana nokuxhashazwa ngolwazi lwabo*
6020 *lwendabuko noma izinsiza. Kunesidingo sokusungula izinhlaka zomthetho ezigunyazwe*

6021 *ukusebenza egameni lemiphakathi yendawo ekusebenziseni amalungelo ayo maqondana*
6022 *nokuxhashazwa kwezinhlelo zayo zolwazi lwendabuko kanye nemithombo yebhayoloji. Lokhu*
6023 *kungasebenza ekuxoxisaneni kwezinkontileka nasekunikezeni ilungelo lokufinyelela”.*

6024

6025 According to Umama Tabula, it was insufficient to merely grant local communities and individuals
6026 (as applicable) the ownership, use, and exploitation rights of indigenous knowledge and biological
6027 resources. This is because most of these individuals lack formal education and are, therefore, ill-
6028 equipped to negotiate intricate contracts or agreements pertaining to commercializing their
6029 indigenous knowledge or resources. Legal frameworks that have the authority to represent local
6030 communities in exercising their rights regarding exploiting their biological resources and indigenous
6031 knowledge systems must be established. This can be relevant when negotiating contracts and granting
6032 access rights.

6033

6034 It was pointed out during focus group discussions by those who are aware of the South African
6035 National Recordal System on indigenous knowledge systems, including traditional medicines, that
6036 currently, access to indigenous biological resources and associated knowledge systems in any local
6037 community is subject to the grant of written prior informed consent by the local community and
6038 traditional leadership. Using and exploiting indigenous knowledge and biological resources without
6039 the legal right of access gives rise to criminal and civil liabilities.

6040

6041 However, it was further elaborated during the discussions that the sheer grant of the right of access
6042 does not award the absolute proprietary right to the grantee, nor does it deprive the local community
6043 of all rights concerning its indigenous knowledge of the biological resource and associated knowledge
6044 system. The grantee is prevented from applying for any intellectual property rights over the resources
6045 or associated knowledge without the prior informed consent of the legal frameworks and the local
6046 community or recognized individual(s). Even then, where the indigenous knowledge leads to an
6047 innovation or discovery, the relevant local community or individual providing the knowledge leading
6048 to the innovation or discovery shall be entitled to a share of the earnings arising from there and, in
6049 addition, shall be acknowledged in all publications, patents and other intellectual property rights
6050 documentation arising from the discovery or innovation.

6051

6052 In addition, the IK Act (2019) envisages a process whereby indigenous knowledge may result in
6053 patentable innovation or discovery. Still, it falls short of clearly defining the rights concerning a patent
6054 arising from there. If the discovery or innovation is to be patented, the issue then is who has the patent
6055 – is the community or the grantee? The research participants wanted clarification on this issue because

6056 of the effect of a patent in depriving the community of its traditional rights. Hence, one would have
6057 envisaged a legal framework whereby the patent is held in trust for the local community. Furthermore,
6058 some research participants had the view that the legal framework should explicitly provide that the
6059 issuance of a patent to a grantee should not deprive the local communities of their customary rights
6060 concerning the use and exploitation of the indigenous knowledge system or biological resources in
6061 dealing with their local health and socio-economic situations.

6062

6063 This comparative study believes that the Western conventional concept of intellectual property rights
6064 does not fit the unique characteristics of African indigenous knowledge systems. The growing global
6065 interest in indigenous knowledge systems due to their potential benefits, especially in the area of
6066 bioprospecting and drug development, will continue to generate serious debates. This is based on the
6067 argument that access to indigenous knowledge will continue to be problematic until an equitable legal
6068 framework that addresses the legitimate diverse interests of all the parties in this disagreement is
6069 implemented. It is hoped that this comparative study contributes to the ongoing discussions to
6070 establish the appropriate framework that will adequately protect the basic characteristics of
6071 indigenous knowledge while at the same time ensuring access to this important knowledge, which
6072 the majority of African people still depend on for sustainable livelihood and development.

6073

6074 Gogo Ntuli, a prominent Traditional Healer in uMkhanyakude District Municipality, said:

6075

6076 *“Sengineminyaka engaphezu kwamashumi amane ngibambe iqhaza emithini yethu yesintu*
6077 *kanye nokwelapha kwesintu. Ngayithatha kubaba. Kuyingxenye yesiko lethu nolwazi*
6078 *lwabantu bethu oluhlobene kodwa olungagcini nje ngokusetshenziswa kwezitshalo nezinye*
6079 *izinsiza zemvelo ekwelapheni izimo ezihlobene nempilo. Kusukela kudala, izitshalo kanye*
6080 *nemikhiqizo ehambisana nazo ibisetshenziswa ekwelapheni izifo ezahlukahlukene*
6081 *emiphakathini yethu. Yakhelwe phezu kwesayensi yethu yomdabu, yaqalwa ngokubheka*
6082 *nokuhlola izinhlobo zezitshalo zendawo ukuze kutholakale ezidliwayo, ezokwelapha,*
6083 *nezinobuthi.”*

6084

6085 Gogo Ntuli indicated over forty years of experience with African traditional medicine and healing
6086 practices. His father taught him. It was a part of their culture and people's knowledge that had to do
6087 with, but was not limited to, using plants and other natural resources to treat medical ailments. In
6088 African communities, plants and related products have long been used to treat various illnesses. Its
6089 foundation was indigenous science, which started with testing and observing local plant species to
6090 distinguish between poisonous, medicinal, and edible ones.

6091

6092 She emphasized that Traditional medicine knowledge goes beyond knowledge of what plant species
6093 (s) are used to treat a particular ailment. This is based on the consideration that to transform a plant
6094 into a medicine, one must know the current species and its location. Moreover, since some plant
6095 species are toxic at certain times of the year, one also has to know the proper time for collection and
6096 the part to be used (some parts of a plant could have beneficial medicinal use while another part of
6097 the same plant could constitute a deadly combination), including how to prepare it as well as the
6098 dosage (posology).

6099

6100 **6.7 The National Recordal System: A Framework for Digitalization of African Indigenous** 6101 **Knowledge Systems in African Local Communities in South Africa**

6102 The preservation and dissemination of Indigenous Knowledge Systems (IKS) are integral to
6103 preserving cultural heritage and fostering sustainable development. In the contemporary digital era,
6104 the terms "digitalization" and "digitization" often emerge in discussions regarding the documentation
6105 and archiving of IKS. Understanding the nuances between these two concepts is crucial in
6106 comprehending their impact on the National Recordal System and documentation centres dedicated
6107 to IKS in South Africa.

6108

6109 Digitization involves converting analog information into digital formats, such as scanning written
6110 documents, photographs, or recordings into electronic versions (Amechi, 2015). This process
6111 facilitates easier storage, retrieval, and sharing of IKS within digital platforms (Balogun, 2023).
6112 Conversely, digitalization encompasses a broader scope, integrating digital technologies and
6113 infrastructure into various aspects of IKS management, including collection, preservation, analysis,
6114 and dissemination (Brennen and Kreiss, 2016; Terras, 2015).

6115

6116 Presently, within the National Recordal Systems and documentation centres worldwide, a
6117 combination of digitization and digitalization efforts exists concerning the archiving and
6118 dissemination of AIKS. Digitization initiatives predominantly focus on converting physical records,
6119 artifacts, and oral traditions into digital formats. This facilitates easier access and preservation, aiding
6120 in conserving invaluable cultural knowledge. However, integrating digital technologies into the
6121 management and utilization of IKS—constituting digitalization—is gaining traction, especially in
6122 South Africa (Oguamanam, 2021). This involves leveraging advanced technologies like Artificial
6123 Intelligence (AI), machine learning, and big data analytics to enhance the accessibility, analysis, and
6124 utilization of IKS. Digitalization initiatives aim to preserve and empower communities by utilizing

6125 IKS for sustainable development, healthcare, environmental conservation, and education (Chigwada
6126 and Ngulube, 2023).

6127

6128 Within the National Recordal System and documentation centres in the South African context, the
6129 ongoing efforts predominantly focus on digitization, ensuring the preservation of IKS in digital
6130 formats. However, there's a growing recognition of the potential of digitalization in revolutionizing
6131 how IKS is utilized and integrated into contemporary systems. Oguamanam (2021) explains that the
6132 National Recordal System (NRS) is a large fingerprint initiative of the Department of Science and
6133 Innovation (DSI), designed as a defensive anti-biopiracy strategy to ward off appropriation of IK in
6134 their undocumented forms. It is meant to document, record, and store indigenous knowledge systems
6135 for the benefit of the local communities in South Africa. It uses multimedia platforms for recording
6136 and documenting IK, especially those relating to traditional medicine. The objective is to protect,
6137 preserve, and promote South Africa's indigenous knowledge systems, including traditional medicines
6138 and healing systems, by documenting and recording them.

6139

6140 Contrary to other cultures whose history has been documented, South Africa's rich Indigenous
6141 Knowledge and value systems rely on the spoken word – a tradition carried over from generation to
6142 generation for millennia. However, as communities become more sophisticated and urbanized, much
6143 of this IK is lost, misappropriated, or misused. Therefore, launching the National Recordal System
6144 (NRS) in Moruleng village, in the North West, the then Minister of Science and Technology, Derek
6145 Hanekom, told the community of Bakgatla-Ba-Kgafela, which has been participating in the project
6146 initiative, that it was urgent to document IKS as South Africa was rapidly losing its respected elders.
6147 He cited the saying, “When an old person dies in Africa, a whole library disappears; the National
6148 Recordal System (NRS) is therefore imminent”.

6149

6150 ***6.7.1 The National Recordal System Process***

6151 The NRS was established in response to the Indigenous Knowledge Systems (IKS) Policy adopted
6152 by the Cabinet in 2004. The policy directed the need to establish a record system in which local
6153 communities, guilds, and other IK holders can record their knowledge systems to assist their interest
6154 in future economic benefits and social good based on IK. The NRS initiative addressed issues related
6155 to the individualistic nature of intellectual property regimes that create complications when applied
6156 to local communities. The system secures rights for communities, guilds, and other IK holders that
6157 record their knowledge holdings, ensuring the protection of their interests and educational and
6158 economic benefits in the future knowledge economy.

6159

6160 Central to NRS's success was the National Indigenous Knowledge Management System (NIKMAS),
6161 an information and communication technology platform. This is supposed to be a secure multimedia
6162 digital repository that supports the NRS processes, which include IK holder cataloguing, recording,
6163 verification, classification, and authentication. The system is unique because it records African IK in
6164 its original oral format, links it to a complex metadata schema, and provides positive and defensive
6165 protection mechanisms. The system comprises several subsystems that are combined in an
6166 encompassing integration architecture supporting the following features:

- 6167 • A semantic digital repository with custom-developed metadata schemata.
- 6168 • A geographic positioning system (to document the locations of IK holders, communities, and
6169 plants).
- 6170 • A sophisticated security model to preserve and protect IK.
- 6171 • An advanced semantic search engine to aid intelligent searching across several possibly
6172 related IK entries.
- 6173 • An IK holder cataloguing facility.

6174

6175 The NRS currently supports IK on African traditional medicine and indigenous foods. It will be
6176 developed later to include arts, crafts, and farming practices. Most importantly, it enables local
6177 communities to secure their knowledge and transform it into economic and social benefits while
6178 saving it for posterity. It was envisaged that it would be achieved through establishing provincial IKS
6179 Documentation Centres (IKSDC), where the collection, documentation, storage, and dissemination
6180 of indigenous knowledge and related activities will occur. Communities can record and update
6181 information about their knowledge of NIKMAS at these IKSDCs.

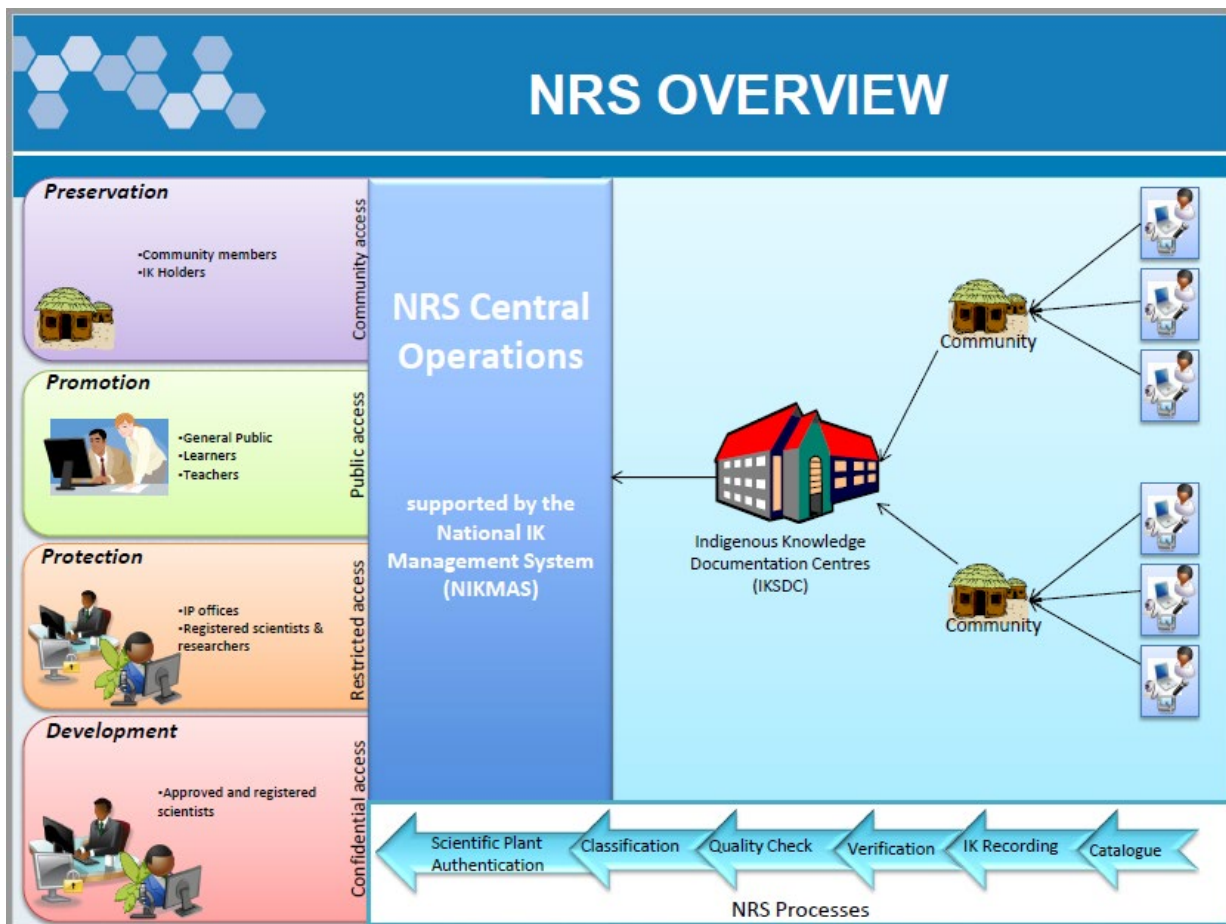
6182

6183 Indigenous Knowledge Systems Documentation Centres (IKSDCs) are pivotal in preserving,
6184 managing, and accessing IK. They are established as local-level vehicles for capturing IKS wealth in
6185 various communities. Established IKSDCs will provide services to communities, local government,
6186 national government, and the general public regarding indigenous knowledge systems captured in the
6187 National Recordal System (NRS). The information will be obtained from community elders,
6188 traditional healers, leaders, and other relevant sources. In addition to being a repository for collecting
6189 and organizing informational materials, the IKSDC and the communities involved will actively seek
6190 to produce productively shared, disseminated, and distributed information.

6191

6192 Presently, 21 local community members have been equipped with computers and cameras and are
6193 being trained to facilitate the NRS recording activities in their communities. Community elders verify

6194 the data before submitting it to the central NIKMAS mechanism, where it is classified, and the
 6195 necessary security access levels are set according to strict criteria. Currently, IKS documentation
 6196 Centres have been established at the University of KwaZulu-Natal, Vuwani Science Centre in
 6197 Limpopo, Tsengiwe in the Eastern Cape, Thaba Nchu in the Free State, and Tshwane in
 6198 Gauteng. Figure 6.1 below shows the process of the National Recordal System in South Africa.
 6199
 6200



6201
 6202 **Figure 6.1. The National Recordal System process**

6203 Source: Adopted from Seleti Y. (2014, August, 20). *Department of Science and Technology on its*
 6204 *role and responsibility in implementing the Indigenous Knowledge Systems policy*. Presentation to
 6205 PPC meeting. <https://static.pmg.org.za/140720pcscience.pdf>

6206
 6207 The process of the National Recordal System establishment follows a holistic approach to capture
 6208 IKS characterized by involving the following elements:

- 6209 • Consider and support the complete IKS ecosystem;
- 6210 • Addresses both socio and economic challenges in communities and ensure community buy-
 6211 in;
- 6212 • Supports legislation and the benefit-sharing framework;

- 6213 • Follows a living lab approach to the project;
- 6214 • Standards – Dublin Core (extended), International Classification of Diseases, International
- 6215 Patent Classification Codes

6216

6217 The National Recordal System considers the recording of unrecorded IK in various multimedia

6218 formats for promoting community Indigenous Knowledge Systems, including Traditional medicines.

6219 It proposes both positive and defensive protection of these knowledge systems by collecting

6220 grassroots community experiences in local languages. The process is supported by the National

6221 Indigenous Knowledge Management System (NIKMAS), which comprises a semantic digital

6222 repository with custom-developed metadata schemata and a sophisticated security model to protect

6223 and preserve IK, an advanced semantic search engine, catalogue system and an overarching

6224 integration architecture that combines the subsystems into a coherent, fit for the purpose system.

6225

6226 **6.7.2 Local Community Knowledge and Awareness of The National Recordal System (NRS)**

6227 The study wanted to establish the knowledge, awareness, and perspectives of the Participant African

6228 Traditional Healthcare Practitioners (ATHPs) and their clients in the Study District Municipalities on

6229 the National Recordal System and the IKS Documentation Centre at the University of KwaZulu-Natal

6230 (UKZN). The results are reflected in Table 6.10 and Table 6.11, respectively.

6231

6232 **Table 6-10. Comparative Percentage Distribution of Knowledge, Awareness, and Perspectives of**

6233 **Participant African Traditional Healthcare Practitioners (ATHPs) in The Study District**

6234 **Municipalities on the National Recordal System and The IKS Documentation Centre at UKZN**

1. Total Number of Male ATHP Participants in uGu District Municipality (12); Total Number of Female THP Participants in uGu District Municipality (18); 2. Total Number of Male ATHP Participants in uMkhanyakude District Municipality (10); Total Female THP Participants in uMkhanyakude District (15).											
uGu District Municipality						uMkhanyakude District Municipality					
Aware (n)		Aware (%)	Not Aware (n)		Not Aware (%)	Aware (n)		Aware (%)	Not Aware (n)		Not Aware (%)
Male	09	75%	Male	03	25%	Male	08	80%	Male	02	20%
Female	14	78%	Female	04	22%	Female	11	73%	Female	04	27%

6235 Table 6.10 shows that most of the research participants ATHP (male and female) in both study district
 6236 municipalities expressed that they were aware of the IKS Documentation Centre at the University of
 6237 KwaZulu-Natal.

6238

6239 **Table 6-11. Comparative Knowledge, Awareness, and Perspectives of Participant African**
 6240 **Traditional Healthcare Practitioners (ATHPs) Clients in The Study District Municipalities on the**
 6241 **National Recordal System and The IKS Documentation Centre at UKZN**

1. Total Number of Male THP Clients in uGu District Municipality (62); Total Number of Female THP Clients in uGu District Municipality (88); 2. Total Number of Male THP Clients in uMkhanyakude District Municipality (48); Total Number of Female THP Clients in uMkhanyakude District (77).											
uGu District Municipality						uMkhanyakude District Municipality					
Aware (n)		Aware (%)	Not Aware (n)		Not Aware (%)	Aware (n)		Aware (%)	Not Aware (n)		Not Aware (%)
Male	55	89%	Male	07	11%	Male	44	92%	Male	04	08%
Female	80	91%	Female	08	09%	Female	73	95%	Female	04	05%

6242

6243 Table 6.11 shows that most of the participant ATHP clients (male and female) in both study district
 6244 municipalities expressed their awareness of the IKS Documentation Centre at the University of
 6245 KwaZulu-Natal.

6246

6247 Coordinators of the IKS Documentation Centre at the University of KwaZulu-Natal have, since its
 6248 inception in 2013, been travelling around local communities, organizing local community members'
 6249 knowledge and awareness meetings on the work of the Documentation Centre and the role of
 6250 community involvement for its success and sustainability. A Provincial Steering Committee has been
 6251 established to guide the process of IKS documentation and community mobilization. It comprises
 6252 representatives of African Traditional Healthcare Practitioners, community members, and traditional
 6253 leadership. The IKS recorders are also recruited from the local communities through the Steering
 6254 Committee's and traditional leadership's assistance.

6255

6256 6.8 Chapter Summary

6257 This chapter examined the knowledge, awareness, and perceptions of local community members,
 6258 specifically African Traditional Health Practitioners (ATHPs) and their clients, regarding Indigenous

6259 Knowledge and the policy landscape surrounding African Traditional Medicine at national and
6260 international levels. The research aimed to investigate the knowledge, awareness, and perceptions of
6261 ATHPs and their clients who participated in the study regarding the Indigenous Knowledge Systems
6262 (IKS) Policy adopted by the South African Cabinet in November 2004. Furthermore, the study aimed
6263 to understand the perspectives of ATHPs and their clients regarding the governance and management
6264 of traditional medicine within their local communities and beyond. Additionally, the research sought
6265 to determine the frequency of traditional medicine usage and its comparative usage among clients in
6266 the district municipalities under study. Furthermore, the study sought to assess community knowledge
6267 and awareness of African Traditional Medicine and the associated knowledge systems concerning the
6268 IK Act of 2019. Finally, the research explored the attitudes of the local community towards the
6269 preservation, protection, and utilization of traditional medicine, as well as the National Recordal
6270 System, serving as a framework for digitalizing and archival preservation of African Indigenous
6271 Knowledge Systems within local communities across South Africa.
6272
6273

6274 **Chapter Seven: Local Community Members' Perceptions on the Integration of**
6275 **African Traditional Medicine into the Public Health Care System in South**
6276 **Africa**

6277 **7.1 Introduction**

6278 The previous chapters discussed the benefits of consulting African Traditional Health Practitioners
6279 (ATHPs) and using traditional medicine for people and local communities. These include being more
6280 affordable than conventional treatments, easier to obtain than prescription drugs, stabilizing hormones
6281 and the metabolism, strengthening the overall immune system, and there are often few to no side
6282 effects. It was also revealed from local community perspectives in the study areas that ATHPs serve
6283 many roles, including custodians of African traditional cultural and spiritual value systems, educators
6284 of culture, counsellors, social workers, and psychologists. They constitute a significant source of care
6285 and provide a belief system that is complementary to individuals' cultural beliefs in terms of the
6286 causes of mental health problems and, as a result, the right therapy for them.

6287
6288 Despite the important role African traditional medicine and healing systems play in the primary
6289 healthcare system of South Africa and Africa at large, especially in the rural and other marginalized
6290 communities, very few studies have been conducted to solicit the views of African traditional health
6291 practitioners (ATHPs) and their clients on the integration of African traditional medicine into the
6292 public healthcare system in South Africa. This aspect is articulated in the following sections with
6293 special reference to uGu and uMkhanyakude District Municipalities in KwaZulu-Natal province. The
6294 previous Chapter discussed their knowledge, awareness, and perceptions of indigenous knowledge
6295 and the African traditional medicine policy landscape. The purpose was to interrogate how they
6296 perceived the integration of the two healthcare systems, i.e., traditional and Western medical systems,
6297 as indigenous healthcare providers and as clients of the African traditional healthcare providers,
6298 respectively. The literature review in chapter two revealed that African traditional medicine and its
6299 healing practices were prohibited under the pretext of witchcraft in South Africa by the British
6300 colonial and later the apartheid governments. This led to secrecy in the practice and a lack of
6301 infrastructural planning to support it. As a result, traditional healthcare and healing practices are still
6302 predominantly informal and unregulated. This raises issues around accessibility and patient safety, as
6303 well as the accountability of the healers. Ozioma & Chinwe (2019) indicate that traditional African
6304 health practices use symbolic rituals and natural products, including local plants. They also follow
6305 certain cultural rules about privacy, and they require specific spatial qualities in terms of scale,
6306 sequencing, light, and materials.

6308 Traditional healthcare providers and their clients participated in the study to solicit their comparative
6309 views. The results are presented and discussed in the following sections. Furthermore, one client who
6310 happened to be a modern healthcare practitioner was also interviewed as Ms Xulu stated that patients
6311 generally believe that the two types of healthcare systems found in African communities have
6312 different limitations and strengths related to healthcare delivery in terms of costs, accessibility, the
6313 accuracy of diagnosis and treatment, ability to treat certain diseases, and practitioners' understanding
6314 of patients' cultural and linguistic backgrounds. Canaway (2017) elaborates that patients can decide
6315 whether to use traditional or modern medicine by weighing these strengths and limitations. NASEM
6316 (2019) further indicates that patients would like healthcare providers to understand both types of
6317 medicine and healthcare to play a greater role in integrating the two systems for improved local
6318 community healthcare delivery. Umama Mzizi, one local community member in the uGu District
6319 Municipality, stated:

6320

6321 *“Nakuba iziguli njengamanje zibona isidingo sazo zombili izinhlobo zezinhlelo*
6322 *zokunakekelwa kwezempilo, abahlinzeki bezokunakekelwa kwempilo, ikakhulukazi odokotela*
6323 *besimanje, kungase kudingeke baphushwe ukuze kufinyelelwe ekuqondeni isidingo*
6324 *sokusungulwa kwemithi yendabuko ngabakhi bezinqubomgomo.”*

6325

6326 Umama Mzizi believed that while many patients already recognized the value of both kinds of
6327 healthcare systems, policymakers may need to exert pressure on healthcare professionals, particularly
6328 Westerners, to acknowledge the necessity of institutionalizing traditional medicine.

6329

6330 The above statement suggests that African traditional health practitioners and their clients recognize
6331 the significance of embracing both healthcare paradigms and have advocated for the formal inclusion
6332 of traditional medicine. Nevertheless, their opinions regarding the amalgamation of these two healing
6333 systems in the two study regions remain unknown. The following section delves into a comparative
6334 examination of their views and willingness to integrate traditional medicine and Western medical
6335 practices.

6336

6337 **7.2 Comparative Willingness of Research Participants to Integrate African Traditional** 6338 **Medicine and Western Medical Care Systems**

6339 African and Western medical systems serve different but necessary functions in the South African
6340 public healthcare systems. Their strengths and limitations differ based on various factors such as
6341 affordability, accessibility, effectiveness for certain illnesses, patient comfort, and diagnosis and

6342 treatment. Eighty-two percent (82%) of the interviewed local community members in uGu District
6343 Municipality and Eighty-five percent (85%) of those in uMkhanyakude District Municipality revealed
6344 that they consulted both a traditional healer and Western healthcare provider when they were sick.
6345 During focus group discussions in both study areas, they articulated that the difference between the
6346 two healthcare systems is how patients combine them. They believed that the two healthcare systems
6347 treat different illnesses most effectively. However, traditional medicine tended to be cheaper, easily
6348 accessible, and less of a hassle, and traditional healers were more caring than their Western
6349 counterparts. Most traditional health practitioners interviewed in both study areas (>90%) indicated
6350 that Western medicine had the advantage of modern technologies for quick diagnosis and controlled
6351 treatment.

6352

6353 On differences in illness treatment, the majority of the interviewed community members (72% in uGu
6354 District Municipality and 87% in uMkhanyakude District Municipality) were able to name the
6355 diseases that were treated better by traditional medicine and which were treated better by Western
6356 medicines. Most local community research participants in both study areas indicated that Western
6357 medicine was better with anything that required surgery and severe illnesses that required emergency
6358 care. Traditional medicine and healing systems were effective in diseases, which were mystic
6359 ailments in the form of mental illnesses. They described mystic illnesses as when a person is sick, but
6360 none of the Western diagnostic tests can discover the cause of the illness.

6361

6362 The local community research participants in both study areas also expressed the view that traditional
6363 and Western medicine served different patient populations due to differences in cost/affordability and
6364 accessibility. For instance, people outside urban areas usually had no choice but to see traditional
6365 healers because there were no Western healthcare services. The proximity of a Western healthcare
6366 facility also played a role in influencing a patient's choice of where to seek medical services. Some
6367 local research patients said they went to a clinic because it provided better services and was close to
6368 home. Some women in uMkhanyakude indicated they went to a Western clinic only when the local
6369 community's traditional health practitioner was unavailable. One traditional health practitioner in uGu
6370 revealed that when diagnosed patients, he gave them the choice of using traditional or Western
6371 medication, as he saw both were effective. However, most of his patients chose traditional medicine
6372 because it was cheaper and locally available.

6373

6374 *7.2.1 Comparative Patient Care*

6375 During in-depth interviews and focus group discussions, local community members' research
6376 participants believed that the ease and comfort of a patient seeing a healthcare provider influenced
6377 how long they would wait before they sought treatment. For instance, as articulated before,
6378 affordability and accessibility were two factors that influenced patients to seek treatment from
6379 traditional or Western medicine. These factors influence why patients often wait before the clinic
6380 only when an illness has reached a rather acute stage. On the other hand, a patient might be willing
6381 to see a THP at the very first symptoms of an illness as they are more accessible and comparatively
6382 cheaper. According to the research participants, another factor influencing patients to consult a
6383 healthcare provider (traditional or Western) early is how comfortable they are during the visit with
6384 the type of healthcare provider.

6385

6386 It was expressed, especially by most female research participants, that in most Western healthcare
6387 facilities, patients often wait a long time to see the healthcare provider. Many research participants
6388 expressed the experience of having to wait for hours to get the opportunity to talk to a doctor or nurse
6389 for a few minutes. They would wait outside the facility, often on the ground, since there were not
6390 enough benches. Whereas those who visited THP rarely had to wait to be seen. They usually waited
6391 inside, seated on mats or chairs if they did. The difference in waiting time was partly attributed to the
6392 ratio of patients to medical staff. In the rural areas of KwaZulu-Natal province, traditional medical
6393 practitioners significantly outnumber modern healthcare practitioners. According to estimates, the
6394 ratio of THPs to medical doctors highlights a considerable disparity, with approximately 250,000 to
6395 400,000 THPs compared to 28,000 medical doctors in South Africa (Zuma et al., 2016). One of the
6396 research participants expressed that she believed that the unwelcoming attitude of modern or Western
6397 healthcare practitioners was mostly reserved for less affluent patients, especially women. Umama
6398 Nozipho, one research participant from uMkhanyakude, said:

6399

6400 *“Ngiyasigwema isibhedlela uma ngikwazi, ngoba odokotela ababonisi umusa kwabampofu,*
6401 *ikakhulukazi abesifazane.”*

6402

6403 Umama Nozipho indicated that she tried to avoid going to the hospital since the doctors did not treat
6404 the underprivileged well, especially the women.

6405

6406 In addition to the hospital staff being overworked, another possible reason for the perceived
6407 unsympathetic attitude of the doctors to patients in rural and other marginalized areas was language
6408 and cultural differences between the doctors and the patients. One woman research participant,

6409 Umama Noluthando, had the following to say on the issue of language and cultural differences
6410 regarding Western-trained doctors in the local communities in uGu District Municipality:

6411

6412 *“Abanye odokotela nabahlengikazi emiphakathini yakithi kaningi abaveli kule ndawo, kodwa*
6413 *basuka kwezinye izindawo eNingizimu Afrika noma kwamanye amazwe. Babuye bafundiswe*
6414 *phesheya. Abaningi abasikhulumi isiZulu, futhi abaqondi zonke izici zesiko leziguli zabo.*
6415 *Ngaphezu kwalokho, odokotela bangase bangamukeli ngaso sonke isikhathi ukuhlukana*
6416 *kwamasiko nenkolo njengokwenqaba kwabesifazane abaningi ukukhumula ukuze bahlolwe*
6417 *udokotela.”*

6418

6419 She believed that some doctors and nurses in the local communities were often not originally from
6420 the areas but from elsewhere in South Africa or other countries. They were also often educated abroad.
6421 Many did not speak IsiZulu or understand all aspects of their patients’ cultures. In addition, doctors
6422 might not always accept cultural and religious differences, such as many women’s refusal to undress
6423 for a medical examination.

6424

6425 These sentiments were also expressed in focus group discussions with the research participants,
6426 indicating that the linguistic and cultural differences between patients and doctors, patient’s
6427 perception of hospital staff as being unsympathetic, waiting time to see a doctor or nurse at the
6428 hospital, and the time and distance constraints for seeing a doctor can all make a trip to the hospital
6429 uncomfortable and challenging for a patient. The decision is often made to wait until an illness is
6430 more severe before seeking treatment from a hospital, while the decision to see a traditional healer
6431 might be made at the first symptoms.

6432

6433 ***7.2.2 Comparative Different Methods of Diagnosis and Treatment***

6434 The study also interviewed some THP clients who happened to be Western-trained medical
6435 practitioners to solicit their views on the differences between traditional and Western healthcare
6436 systems, especially on the issues of diagnosis and treatment of patients. It was alluded that Western
6437 medicine generally uses laboratory tests for diagnosis. In contrast, diagnoses by a traditional healer
6438 were a simple clinical diagnosis by judging the patient's symptoms or done through seeing, where a
6439 healer uses mystic methods to tell what a patient is suffering from, usually using a tool such as sand,
6440 bones, or cowry shells.

6441

6442 The remedies used to treat diseases were also tested differently. Traditional remedies have been tested
 6443 by the traditional healers and patients using them and seeing them work over generations. In contrast,
 6444 modern medications have been scientifically tested to know their effectiveness and how they combat
 6445 the pathogen on a molecular level. The dosage of Western medicine could be carefully controlled.
 6446 When medications are processed, the active compounds can be measured exactly. However, this was
 6447 not possible with traditional remedies, and the dosage varied greatly.

6448

6449 The differences in diagnosis and treatment of traditional and Western medicines led some patients to
 6450 utilize the two healthcare systems differently. Some patients would go to the hospital for a diagnosis
 6451 and later go to a traditional healer for treatment as well, based on the belief that the hospital had the
 6452 strength of technology and science for an accurate diagnosis, but was at the same time seen as more
 6453 expensive and less effective for certain diseases.

6454

6455 Based on past discussions, the study wanted to establish the comparative willingness of the research
 6456 participants, African traditional health practitioners (ATHPs), to integrate African traditional
 6457 medicine and the Western medical healthcare system. The findings are reflected in Table 7.1.

6458

6459 ***Table 7-1. Comparative Percentage Distribution of the Willingness of African Traditional Health***
 6460 ***Practitioners (ATHPS) Research Participants to Integrate Traditional Medicine and Western***
 6461 ***Healthcare System***

1. Total Number of ATHP Participants in uGu District Municipality (Male=12); Total Number of ATHP Participants in uGu District Municipality (Female =18); 2. Total Number of ATHP Participants in uMkhanyakude District Municipality (Male=10); Total Number of ATHP Participants in uMkhanyakude District Municipality (Female=15)											
uGu District Municipality						uMkhanyakude District Municipality					
Willing (no.)		Willing (%)	Not Willing (n)		Not Willing (%)	Willing (n)		Willing (%)	Not Willing (n)		Not Willing (%)
Male	10	83%	Male	02	17%	Male	09	90%	Male	01	10%
Female	16	89%	Female	02	11%	Female	12	80%	Female	03	20%

6462

6463 Table 7.1 reveals that most ATHP research participants (male and female) in both study district
 6464 municipalities expressed their willingness to integrate traditional African medicine and the Western
 6465 healthcare system. This willingness and desire for collaboration with Modern Health Practitioners

6466 (MHPs) and the integration of African traditional medicine are expressed in the following statement
6467 in IsiZulu by Ubaba Mhlongo, a Traditional healer from uMkhanyakude District Municipality:

6468

6469 *“Abelaphi bendabuko base-Afrika imvamisa yibona kuphela insiza yezempilo etholakalayo*
6470 *noma ethengekayo emphakathini wami. Kodwa kubalulekile ukuthi sisebenzisane nodokotela*
6471 *besimanje ukuqinisekisa ukuthi iziguli zithola ukunakekelwa kwezempilo okungcono kakhulu.*
6472 *Sifuna ngempela ukusebenza nodokotela nabahlengikazi besimanje. Ngicabanga ukuthi*
6473 *kuwumthwalo kahulumeni ukusondeza abelaphi bendabuko base-Afrika kodokotela*
6474 *nabahlengikazi besimanje ukuze sisebenzisane futhi sesekane ekuxazululeni izinkinga*
6475 *eziphathelene nempilo yomphakathi emiphakathini yethu. Uhulumeni kumele aqinisekise*
6476 *ukuthi ulwazi lweNdabuko luyavikeleka kumasela. Kunezifo ezithile esingeke sikwazi*
6477 *ukuzelapha njengabasebenzi bezempilo bendabuko base-Afrika. Ngakho-ke, singathembela*
6478 *Kubasebenzi Bezempilo Banamuhla.”*

6479

6480 The above statement from Ubaba Mhlongo indicated that traditional African healers are often the
6481 only healthcare service available or affordable to the local community. Traditional healers recognize
6482 that certain diseases could be well treated by modern medicine. Hence, there is a need for the two
6483 healthcare systems to work together with modern healthcare practitioners for improved and effective
6484 local community healthcare. It is the government's responsibility to bring these two healthcare
6485 systems closer. However, the government should ensure that traditional healthcare knowledge is not
6486 stolen.

6487

6488 This sentiment was reiterated by Gogo Gumbi, a Traditional Health Practitioner in uGu District
6489 Municipality, who said:

6490

6491 *“Kukhona ukushoda kwabasebenzi bezempilo abaqeqeshwe emazweni aseNtshonalanga*
6492 *ezibhedlela zikahulumeni nasemitholampilo eNingizimu Afrika, ikakhulukazi ezindaweni*
6493 *zasemakhaya kanye neminye imiphakathi enganakiwe. Abelaphi bendabuko baningi*
6494 *ezindaweni zasemadolobheni nasemakhaya. Sicela ukuhlanganiswa kokwelapha kwendabuko*
6495 *kanye nokunakekelwa kwezempilo kwaseNtshonalanga. Siyajabula ukuzwa ukuthi uhulumeni*
6496 *waseNingizimu Afrika uyaweseka lo mbono wokuhlanganisa lezi zinhlelo ezimbili*
6497 *zokunakekelwa kwezempilo futhi sekunezinhlaka zenqubomgomo kulokhu.”*

6498

6499 Gogo Gumbi had the view that in South African state hospitals and clinics, there was a dearth of
6500 medical professionals with Western training, particularly in rural and other marginalized areas. There

6501 are many traditional healers in the nation's rural and urban locations. We are advocating for the
6502 integration of Western medicine with traditional healing. She was pleased to learn that the South
6503 African government supports integrating the two healthcare systems and that appropriate policy
6504 frameworks have already been established.

6505

6506 During focus group discussions in both study areas, it was articulated by the participant ATHPs that
6507 there are various ways in which individual healthcare practitioners, both traditional and modern, could
6508 work together to integrate the two types of healthcare systems for the benefit of the public. For
6509 instance, they could send patients to practitioners of the other healthcare system when they think that
6510 the other might be able to treat a patient more effectively; they could share and learn certain healthcare
6511 techniques and value systems from the other, such as ATHPs learning about hygiene and the
6512 importance of accurate dosage; they could also learn about the remedies of both, either to use both or
6513 to avoid any negative interactions between treatments.

6514

6515 It was expressed that their healthcare providers' understanding of both healthcare systems could lead
6516 to knowledge and awareness of when the other system could best treat patients. Healthcare providers
6517 from each system could send patients to each other when one could not treat a patient or the other
6518 could treat the patient more efficiently. This was based on the realization that sometimes patients
6519 often decide to see one type of practitioner when the other has not helped, but would generally prefer
6520 if the healthcare providers understood better when patients could or should see the other type of
6521 practitioner.

6522

6523 It was also revealed, from the ATHPs' experiences, that patients usually had a positive view of
6524 traditional health practitioners who sent people to the hospital when they believed they were unable
6525 to treat them. This view was expressed by participant patients who mentioned that it was common for
6526 ATHPs to send people to modern doctors.

6527

6528 During the focus group discussion with the participant, ATHPs from both study municipalities on the
6529 challenges of mixing medications from the two medical systems, as it could have negative effects on
6530 the patient due to toxicity and render the treatment ineffective. It was argued by the participant, who
6531 happened to be a Western medical healthcare practitioner, that because there was limited information
6532 on the chemical characteristics and composition of traditional medications, none of the doctors could
6533 describe any specific interactions, including the prospects and challenges of their efficacy. For
6534 instance, one participant who was also a medical doctor in the uGu District Municipality indicated

6535 that he would sometimes treat a patient without any improvement, only to discover that the patient
6536 had been using a traditional remedy that interfered with modern medication.

6537

6538 It was emphasized during the discussions that other than understanding each other’s strengths and
6539 limitations. The ATHPs had the view that patients would like traditional and modern practitioners to
6540 learn from each other’s techniques in medical and healthcare delivery—most specifically, patients
6541 believed it is important for traditional healers to learn hygiene practices and to learn to be careful with
6542 dosage of medications.

6543

6544 The study was also interested in establishing the comparative views of the research participants'
6545 ATHP clients regarding integrating African traditional medicine and the Western healthcare system.

6546 The findings are reflected in Table 7.2

6547

6548 ***Table 7-2. Comparative Percentage Distribution of the Willingness of African Traditional***
6549 ***Healthcare Practitioners (ATHPs) Research Participants’ Clients to Integrate African***
6550 ***Traditional Medicine and Western Healthcare Systems***

<p>1. Total Number of ATHP’s Clients in uGu District Municipality (Male= 62); Total Number of ATHP’s Clients in uGu District Municipality (Female =88);</p> <p>2. Total Number of ATHP’s Clients in uMkhanyakude District Municipality (Male=48); Total Number of ATHP’s Clients in uMkhanyakude District Municipality (Female=77).</p>											
uGu District Municipality						uMkhanyakude District Municipality					
Willing (no.)		Willing (%)	Not Willing (n)		Not Willing (%)	Willing (n)		Willing (%)`	Not Willing (n)		Not Willing (%)
Male	54	87%	Male	08	13%	Male	41	85%	Male	07	15%
Female	80	91%	Female	08	09%	Female	75	97%	Female	02	03%

6551

6552 Table 7.2 indicates that most of the ATHP research participants’ clients (male and female) in both
6553 study district municipalities reflected their willingness to integrate traditional African medicine and
6554 Western healthcare systems. During in-depth interviews and focus group discussions, they expressed
6555 the opinion that incorporating traditional medicine with Western health care would improve the health
6556 care of many South Africans. Building on African traditional medicine and healing practices, which
6557 are local, community-based, accessible, culturally acceptable, and affordable, will make public
6558 healthcare more effective and sustainable.

6559

6560

6561

6562 Gogo Madlopha, a Traditional Health Practitioner from the uGu District Municipality, said:

6563

6564 *“Imithi yesintu ibilokhu iwumthombo othembekile, owamukelekayo, othengekayo, futhi*
6565 *ofinyelelekayo kithina ma-Afrika amakhulu eminyaka. Imithi yesimanje izosebenza kakhulu*
6566 *futhi yamukelwe emiphakathini yakithi uma yamukela futhi isebenza ngolwazi lwethu*
6567 *lwendabuko nezindlela zokwelapha.”*

6568

6569 Gogo Madlopha expressed that Africans relied on traditional medicine for ages as reliable, socially
6570 acceptable, cost-effective, and easily available healthcare. If modern medicine acknowledges and
6571 incorporates our traditional knowledge and healing methods, it will be more effective and well-
6572 accepted in our local communities.

6573

6574 The participant ATHPs’ clients had divergent views on the issue of the two healthcare systems
6575 working together. More than 80% of them in both study areas favoured the two systems working
6576 together. Various suggestions were articulated on the use of the two systems. Some believe that if a
6577 person chooses to use both remedies, it is better to use one after the other treatment is completed.
6578 Others thought that using the two together simultaneously could be more effective than using one
6579 another; another suggestion was for the patients to ask their medical doctor or traditional health
6580 practitioner if they could use them together. Others indicated that the medical doctors and healers do
6581 not even understand the impact of the interactions.

6582

6583 It was pointed out during focus group discussions that the patient’s lack of understanding of the risks
6584 of mixing medications when the chemical properties of some are not known, and their faith in health
6585 care providers to know and warn them of any risks, implies that both systems need to understand the
6586 other’s remedies, as well as their own. The participant ATHPs’ clients expressed the need to consult
6587 a medical doctor or traditional healer who knew and used traditional and modern remedies. They
6588 believed using both would be the best approach to effective public healthcare. Modern medicine uses
6589 laboratories to get an accurate diagnosis. However, when it comes to treatment, patients have the
6590 choice for some illnesses, whether they would rather take a traditional or modern remedy. Then,
6591 patients can use whichever they are more comfortable with or take the traditional medication if they
6592 cannot afford the modern alternative.

6593

6594 **7.3 Research Participants' Opinions on the Two-Way Referral System of Patients between**
6595 **ATHPs and MHPs**

6596 Several African Traditional Health Practitioners (ATHPs) from both district municipalities
6597 recognized some limitations of the traditional healing system. They were of the view that patients
6598 with symptoms of mental health, HIV/AIDS, cancer, or TB should first be treated by healthcare
6599 workers at clinics or hospitals and then the ATHPs' clinics in cases where there was no improvement.
6600 This was elaborated during one of the focus group discussions by Mama Busisiwe, one of the ATHPs
6601 from the uGu district municipality, who exclaimed in isiZulu:

6602
6603 *“Ngidlulisela iziguli zami ezinezimpawu zempilo yengqondo, i-HIV/AIDS, umdlavuzo, noma*
6604 *i-TB ezikhungweni zezempilo eziseduze. Ngokubona kwami, ngicabanga ukuthi noma yisiphi*
6605 *isiguli esinezimpawu ezinjalo kufanele siqale siyiswe ezikhungweni zezempilo ukuze sihlolwe*
6606 *ngokwesayensi njengoba ngenza. Ezimweni lapho odokotela bengaboni noma yiluphi uphawu*
6607 *lwezifo ezinjalo, khona-ke kunesidingo sokubambisana.”*

6608
6609 Mama Busisiwe indicated that she referred her patients with symptoms of mental health, HIV/AIDS,
6610 cancer, or TB to the nearest healthcare facilities. In her opinion, any patient with such symptoms
6611 should first be taken to healthcare facilities to be scientifically tested. In cases where doctors do not
6612 see any sign of such illnesses, collaboration is needed.

6613
6614 ATHPs made numerous suggestions for facilitating referrals, collaboration with, and integration into
6615 MHP, with the theme of increasing respect for ATHPs and economic barriers. This was expressed in
6616 isiZulu by Ubaba Ngcobo, one of the ATHPs from the uMkhanyakude district municipality:

6617
6618 *“Igalelo lami ukuthi ukuze kwakhiwe ubudlelwano obuqinile, kungcono ukuthi uhulumeni*
6619 *abeke izindlela zokudlulisela kanye nokuhlanganisa ezizosiza ukudlulisela iziguli phakathi*
6620 *kwama-MHP nama-ATHP. Abasebenzi basesibhedlela bathola imiholo yanyanga zonke*
6621 *kungakhathaliseki ukuthi bayelapha iziguli noma cha, uhulumeni kufanele futhi acabange*
6622 *ukusibekela iholo elincane njengabelaphi bendabuko base-Afrika njengoba kithi iziguli*
6623 *imiholo yethu. Uma singaziboni iziguli, asinawo umholo. Lokhu kungase kwenze abanye*
6624 *bethu bathande imali kunempilo yeziguli zethu kanti abanye bangase bangabaze ukuthumela*
6625 *isiguli esibhedlela, ngoba bangase besaba ukulahlekelwa umholo.”*

6626
6627 According to Ubaba Ngcobo, the government should establish referral and integration systems to
6628 facilitate patient transfers between MHPs and ATHPs to foster a solid working partnership. In

6629 addition, as hospital employees were paid every month whether or not they treated patients, the
6630 government ought to consider setting a minimum pay for ATHPs, given that ATHPs' patients were
6631 the sources of ATHPs' income. Because of this, some ATHPs might put their financial security before
6632 the patient's health, and others might be hesitant to send patients to the hospital out of concern for
6633 their income.

6634
6635 One of the fundamental beliefs in African traditional medicine is that illness is caused by imbalances
6636 in the individual's relationship with the environment, ancestors, and the divine (Che et al., 2024).
6637 Karanja (2019) states that ATHPs use various methods to restore balance and promote healing,
6638 including divination, plant-based medicines, spiritual healing, and ritual practices. These methods are
6639 often accompanied by specific cultural practices, such as using specific plants or animal parts in
6640 medicines, purification rituals, and offerings to ancestors or deities (Ozioma & Chinwe, 2019). These
6641 beliefs and practices are deeply embedded in the cultural traditions of the communities that use them
6642 and are often passed down from generation to generation. However, these beliefs and practices can
6643 also create barriers to the recognition and use of IKS in the wider health system. Some ATHPs were
6644 hesitant to engage with Modern medicine or the formal health system due to perceived conflicts with
6645 their cultural beliefs and practice, leading to a lack of integration between traditional and Western
6646 medical practices and a lack of understanding of the potential benefits of incorporating IKS into the
6647 health system. Umama Hlengiwe, an African Traditional Health Practitioner (ATHP) from the uGu
6648 district municipality, recommended explicitly identifying specific doctors to whom ATHPs should
6649 refer their patients. These were her words in isiZulu:

6650
6651 *“Ngeke ngithande ukuthumela iziguli zami kunoma yimuphi uDokotela. Ngizithumela kuphela*
6652 *kulabo dokotela nabahlengikazi abakholelwa ekusebenzeni kwemithi yesintu yase-Afrika.*
6653 *Kufanele ngiphathise iziguli zami kudokotela osondelene kakhulu nomphakathi*
6654 *esihlanganyela nawo izinkolelo nezindlela zamasiko ezifanayo.”*

6655
6656 She preferred not to refer any of her patients to a doctor. She only referred them to medical
6657 professionals who shared her belief in the efficacy of African traditional medicine. She had to give
6658 her patients to a physician who practised medicine closest to the community and had similar cultural
6659 practices and beliefs.

6660
6661 Most ATHP participants in both district municipalities acknowledged that they cannot diagnose all
6662 sicknesses. In cases where they cannot diagnose, they would first refer patients to the nearest hospitals
6663 and clinics to confirm the diagnosis or diagnose them before commencing treatment and for further

6664 treatment when their treatment has failed. This was reflected in words from Ubaba Ndlovu, one of
6665 the ATHPs in the uMkhanyakude district municipality, who exclaimed in isiZulu:

6666

6667 *“Njengengxenywe yokuqeqeshwa kwethu, siyalelwe ukuthi sidlulisele iziguli esibhedlela.*
6668 *Nakuba singakwazi ukwenza ukuxilongwa kokuqala ngokusekelwe kuzimpawu zesiguli,*
6669 *siyayiqonda imikhawulo yokuhlinzeka ngemithi ngokusekelwe ekuxilongweni kwethu. Kuyoba*
6670 *kungasebenzi ukunikeza ukwelashwa okusekelwe kuphela ekuhloleni kwethu, njengoba*
6671 *kungase kube nezinye izimo eziyisisekelo okudingeka zicatshangelwe. Ngakho-ke,*
6672 *kubalulekile ukuba sithumele iziguli esibhedlela, lapho kungatholakala khona ukuxilongwa*
6673 *okufanele, kuhlanganise nanoma yiziphi izifo ezengeziwe ezingase zibe khona. Lokhu*
6674 *kuqinisekisa ukunakekelwa kwezokwelapha okuphelele nokunembile kwesiguli.”*

6675

6676 He revealed that he had been taught to refer patients to the hospital as part of his training. He
6677 recognized the limitations of prescribing medication based only on his diagnosis, even though he
6678 might be able to get a preliminary diagnosis based on the patient's symptoms. As other underlying
6679 conditions might need to be considered, it would be ineffective to administer treatment based only on
6680 our assessment. As a result, ATHPS must send patients to the hospital so that a complete diagnosis,
6681 including any coexisting diseases, could be made. This guarantees the patient receives thorough and
6682 precise medical care.

6683

6684 When further addressing the referral issue, many ATHPs reported that their first preference is often
6685 given to fellow ATHPs believed to be more powerful with access to more specialized kinds of “muti”
6686 (of the medicine used to treat patients). They expressed a clear belief that there were sicknesses caused
6687 by God and others by evil spirits. These were the words of Ubaba Simeon, an ATHP from the uGu
6688 district municipality:

6689

6690 *“Emiphakathini yami, izinga lokukhethekile nolwazi lwabasebenzi bezempilo bendabuko*
6691 *base-Afrika luyehluka. Sinabo odokotela bemithi nababhuli abakwazi ukwelapha izinhlobo*
6692 *ezahlukene zezifo. Ezinye izifo kukholakala ukuthi zibangelwa ubuthakathi noma imimoya*
6693 *emibi kanti ezinye ziyimbangela yemvelo. Ezimeni lapho ngingeke ngikwazi ukuxilonga isiguli*
6694 *esiza kimi ukuze sithole ukwelashwa, ngiyoqala ngithumele isiguli enyangeni eyisipesheli*
6695 *ngezifo ezibangelwa ukuthakathwa, noma enyangeni enolwazi kakhulu kunami. Uma*
6696 *ehluleka, angadlulisela isiguli emtholampilo noma esibhedlela.”*

6697

6698 He indicated that the experience and specialization of traditional African health practitioners varied
6699 in local communities. Some herbalists and diviners could cure various illnesses. While some illnesses
6700 were thought to have natural causes, others were attributed to witchcraft or evil spirits. When a patient
6701 came to him for treatment and was unable to diagnose them, he first referred them to another ATHP
6702 who was more experienced than him or who specialized in illnesses caused by, say, witchcraft. He
6703 may refer the patient to the clinic or hospital if he cannot help them.

6704

6705 Ubaba Funani, one of the ATHPs from uMkhanyakude, also indicated that patients sometimes
6706 referred themselves between the ATHPs and modern clinics or hospitals due to individual preference
6707 and choice of treatment:

6708

6709 *“Ngihlale ngiluleka iziguli zami ukuthi zisebenzise abelaphi abazithandayo. Kodwa-ke,*
6710 *angibakhuthazi ekuhlanganiseni imithi yokwelapha ephuma kokubili ama-ATHP kanye nama-*
6711 *MHP.”*

6712

6713 He indicated that he always recommended my patients use their chosen healers. However, he
6714 discouraged them from combining treatments from both ATHPs and MHPs.

6715

6716 The examination of ATHPs’ opinions regarding the two-way referral system between ATHPs and
6717 MHPs underscores the complexity and multifaceted nature of healthcare collaboration in the two
6718 research areas. The insights gleaned from this analysis shed light on the complex interplay between
6719 cultural beliefs, holistic approaches to health, and the advancements of modern medicine.

6720

6721 ATHPs’ perspectives on the two-way referral system reflect diverse attitudes shaped by cultural,
6722 historical, and individual factors. The willingness of some ATHPs to engage in referrals can be seen
6723 as indicative of their recognition of the potential benefits that medical interventions can offer patients,
6724 particularly in acute or advanced illnesses. Concurrently, the hesitancy or resistance exhibited by
6725 other ATHPs may stem from concerns related to the perceived erosion of traditional practices, the
6726 fear of subjugation to the biomedical model, or skepticism regarding the efficacy of conventional
6727 treatments.

6728

6729 The potential benefits of a collaborative referral system between ATHPs and medical doctors are
6730 evident. Such a system can harness the strengths of both traditional and modern healing practices,
6731 offering patients a comprehensive spectrum of care that addresses their physical, psychological, and
6732 cultural needs. Moreover, establishing respectful and inclusive partnerships between these

6733 practitioners can foster mutual understanding, facilitate knowledge exchange, and enhance the overall
6734 quality of healthcare delivery.

6735

6736 **7.4 The Exchange of Knowledge Between ATHPs and MHPs**

6737 During the focus group discussions and interviews, participants were asked what they would like to
6738 learn from modern medicine. The exchange of knowledge between African Traditional Healthcare
6739 Providers (ATHPs) and Modern Healthcare Providers (MHPs) emerged as a prominent theme. The
6740 majority of participants emphasized the importance of this knowledge exchange. ATHPs expressed
6741 that they are interested in gaining knowledge of the diagnosis and treatment methods used in modern
6742 medicine. Ubaba Thembeka, an ATHP from the uGu district municipality, had the following to say in
6743 isiZulu:

6744

6745 *“Ngicabanga ukuthi kumele sifunde komunye nomunye. Engifuna ukukufunda kubasebenzi*
6746 *bezempilo mayelana nokuxilongwa kwesayensi; bazibona kanjani izinhlobo ezihlukahlukene*
6747 *zezifo besebenzisa izindlela zesayensi zokuhlola isiguli.”*

6748

6749 He indicated that he believed that people must learn from one another. He wanted to know how
6750 medical professionals diagnosed diseases scientifically—that is, how they used scientific methods of
6751 patient examination to identify various types of illnesses.

6752

6753 During focus group discussions, several other ATHPs from both district municipalities wished to
6754 learn about techniques and technologies used in modern medicine. These were their words in IsiZulu:

6755

6756 *“Ngingathanda ukufunda kodokotela besimanje mayelana nendlela yokubona izimpawu*
6757 *nokwelashwa kwezifo ezinjenge-HIV/AIDS, umdlavuza, noma isifo sofuba, umfutho wegazi,*
6758 *isifo sikashukela.”*

6759

6760 They expressed the need to learn from modern doctors about how to detect symptoms and treatments
6761 for sicknesses such as HIV/AIDS, cancer, Tuberculosis, high blood pressure, and diabetes.

6762

6763 *“Singafunda futhi odokotela banamuhla ukuthi bampontshelwa kanjani igazi noma bangasiza*
6764 *kanjani umuntu ukuthi aphelelwe amanzi emzimbeni noma ahlole izinga likashukela.”*

6765

6766 The view was expressed that ATHPs could also learn from modern doctors how to do blood
6767 transfusions, help dehydrate someone, or check sugar levels.

6768

6769 *“Ngingafunda imikhuba enempilo yokuzivikela ezifweni ezithathelwanayo futhi ngivimbele*
6770 *amagciwane nezifo ezithathelwanayo ukuba zingasakazeki.”*

6771

6772 ATHPs could also learn healthy practices to protect themselves from contagious diseases and prevent
6773 germs and infectious diseases from spreading.

6774

6775 *“Ngifuna ukufunda amasu esimanje okugcinwa kwemithi kanye nendlela yokumaketha*
6776 *imikhiqizo yami yemithi yesintu yase-Afrika ukuze ngiqwashise kabanzi lolu lwazi ezweni*
6777 *lonke nasemhlabeni jikelele.”*

6778

6779 They expressed the importance of learning modern medicine preservation techniques and how to
6780 market their traditional African medicine products to raise more awareness of this knowledge,
6781 nationally and internationally.

6782

6783 *“Kunzima kwesinye isikhathi ukubheka emehlweni esiguli ubone ukuthi siphethwe yini.*
6784 *Isizathu sokuthi kungani ngingathanda ukufunda ukusebenzisa ubuchwepheshe besimanje*
6785 *bezempilo njengemishini ukuze ngikwazi ukubona kalula ezinye izifo. Lokhu kungasisiza*
6786 *ukuthi sithuthukise umsebenzi wethu.”*

6787

6788 There was an indication that it was sometimes difficult to look into a patient's eyes and detect the
6789 sickness. They would, therefore, like to learn how to operate modern health technologies such as
6790 machines to detect other sicknesses easily. This could help improve ATHPs' work.

6791

6792 While many ATHPs believed that there is a lot that Traditional Medicine has to learn from modern
6793 medicine, few ATHPs reported that they don't see a need to learn from MHPs because the medication
6794 used in hospitals comes from traditional medicine. Ubaba Mbube, an ATHP from uMkhanyakude
6795 district municipality, had the following to say in isiZulu:

6796

6797 *“Akukho engingakufunda kodokotela besimanje. Sekuyiminyaka ngisebenza kahle kakhulu*
6798 *ngaphandle kwemithi yesimanje. Kungani ngingasizwa isidingo sokufunda kubo, ikakhulukazi*
6799 *ngoba imithi esetshenziswa ezibhedlela iphuma emithini yesintu? Iningi lolwazi lokhokho*
6800 *bethu lasetshenziswa kabi ngabakhangisi ukuze benze imithi yesimanje esetshenziswa*

6801 *ezibhedlela nasemitholampilo. Uyaqonda ukuthi kungani ngingakwazi ukufunda imithi*
6802 *ecutshungulwe elabhorethri. Ngisebenzisa umuthi wokuqala. Ngicabanga ukuthi sidinga*
6803 *ukugodla ulwazi olubalulekile ngemithi yethu yesintu yase-Afrika.”*

6804

6805 He indicated that he had nothing to learn from modern medical doctors. He had been working very
6806 well without modern medicine for years. After all, the medications used in hospitals emanated from
6807 traditional medicine. Pharmaceuticals misappropriated the indigenous knowledge of African
6808 forefathers to make the modern medicine used in hospitals and clinics. He was against learning about
6809 medication that had been processed in the laboratory. He used the original medicine.

6810

6811 Despite their interest in gaining knowledge of the diagnosis and treatment used by modern medicine,
6812 ATHPs expressed the view that as much as they have to learn, MHPs had also a lot to learn from
6813 ATHPs. Responses to the question of what modern medicine can learn from ATMs are depicted
6814 below as isiZulu statements from ATHPs in both district municipalities:

6815

6816 *“Ngicabanga ukuthi abahlengikazi nodokotela kumele bafunde kabanzi mayelana namasu*
6817 *esiwasebenzisa emithini yethu yendabuko ukuhlonza izifo ezingelapheki esibhedlela noma*
6818 *emtholampilo.”*

6819

6820 They indicated that nurses and doctors needed to learn more about the techniques used in traditional
6821 medicine practices to identify diseases that cannot be cured at the hospital or clinic.

6822

6823 *“Ngicabanga ukuthi bangafunda kithi ukwenza/ukuxuba amakhambi emvelo ukuze kwenziwe*
6824 *imithi yesintu. Bangathola ulwazi lwendabuko esinalo njengabelaphi bendabuko futhi*
6825 *balusebenzisele umgomo ofanayo wokwelapha abagulayo. Laba bangafunda ukusebenzisa*
6826 *amakhambi athile ase-Afrika lezo zinhlelo ezimbili zezokwelapha ezingase zisetshenziswe*
6827 *ukwelapha izifo ezizophola phakade njengomuthi wesimanje.”*

6828

6829 The view was expressed that conventional medical practitioners could learn from ATHPs how to
6830 make/mix natural herbs to make traditional medicine. ATHPs could get the indigenous knowledge
6831 that ATHPs had and use it for the common goal of healing the sick.

6832

6833 *“Kubalulekile ukuthi odokotela nabahlengikazi bazi kahle ukuthi umuthi uvelaphi ukuze*
6834 *bakhethe lokho abangenakho futhi bakufake emisebenzini yabo. Isibonelo, kungase*
6835 *kungadingeki benze “umuthi” ube amaphilisi kodwa bangasebenzisa umuthi ngendlela yawo*

6836 *yemvelo. Ngale ndlela umuthi uzosebenza kakhulu ekwelapheni ukugula ngoba uluhlaza*
6837 *kunalapho usuxutshiwe wagaywa ezimbonini.”*

6838

6839 The ATHPs indicated the importance of doctors and nurses knowing exactly where the medicine
6840 comes from so that they can choose what they do not have and incorporate it into their practices. For
6841 example, they may not need to make the “*muthi*” into pills, but they could use the medicine in its
6842 natural form. In this way, the medicine would be more effective in healing the sickness because it is
6843 still natural than when mixed and processed in industries.

6844

6845 *“Bangase bafunde izindlela zethu ezahlukene zokwelapha ezinjengokwethemba uNkulunkulu*
6846 *nokuthandazela isiqondiso lapho sisiza iziguli. Akuyona yonke into eyisayensi, ezinye izifo*
6847 *zidinga umthandazo olula kuphela futhi umuntu uyasinda. Lezi yizintambo okumele bazi*
6848 *odokotela nabahlengikazi ukuze abantu bakithi bangalahlekelwa yimpilo yabo ezibhedlela*
6849 *nasemitholampilo ngenxa yokungazi kodokotela nabahlengikazi.”*

6850

6851 According to the ATHPs, conventional healthcare practitioners could also learn the different healing
6852 methods, such as trusting God and praying for guidance when helping patients, from ATHPs. This
6853 was based on the argument that not everything was science; some sicknesses only required a simple
6854 prayer, and the person got well. These were the things that doctors and nurses needed to know so that
6855 people do not lose their lives in hospitals and clinics because of ignorance on the part of doctors and
6856 nurses.

6857

6858 *“Bangafunda ukuthi bangasithola kanjani isifo noma babhekane nembangela yenkinga*
6859 *ngaphandle kokubuza imibuzo eklayentini noma kumuntu ogulayo.”*

6860

6861 They can learn how to detect the disease or deal with the root cause of the problem without even
6862 asking the client or sick person questions.

6863

6864 *“Baningi odokotela nabahlengikazi abangafunda kithi uma nabo bezimisele ukusicobelela*
6865 *ngolwazi lwabo. Ngicabanga ukuthi ngeke bafunde lutho uma bengafuni ukubambisana nathi*
6866 *mayelana nokwabelana ngolwazi nemishini yabo.”*

6867

6868 The ATHPs believed that if conventional healthcare practitioners were willing to share their
6869 knowledge with them, many physicians and nurses could benefit from what ATHPs could teach them.

6870 The following section looks at what research participants in both research sites had to say about the
6871 concurrent use of traditional and modern medicine.

6872

6873 **7.5 Research Participants' Opinions on The Concurrent Use of African Traditional and** 6874 **Modern Medicines**

6875 The discourse surrounding the concurrent use of traditional and modern medicine among the research
6876 participants has shed light on this complex and multifaceted topic. The opinions expressed by these
6877 participants reflect a range of perspectives, revealing both the perceived benefits and inherent risks
6878 associated with the simultaneous utilization of these two treatment models. There was much concern
6879 about the physical health risks of combining traditional and modern medicines. It was also felt that
6880 this risk would be reduced through collaboration and integration of the two healthcare systems. This
6881 view was expressed in the following statement by Ubaba Kgabu, an ATHP from the uMkhanyakude
6882 district:

6883

6884 *“Ngizotshela iziguli zami ukuthi zingasebenzisi kanyekanye imithi yesintu neyesimanje.*
6885 *Inkinga enkulu ukuxuba imithi lapho angazi ukuthi yimuphi umuthi owanikezwa udokotela*
6886 *esibhedlela noma emtholampilo. Uma kukhona ukubambisana, singavimbela okubi ukuthi*
6887 *kungenzeki.”*

6888

6889 He expressed the view that he would tell his patients not to simultaneously use traditional and modern
6890 medicine. A major challenge was mixing the medication when he did not know which medication the
6891 doctor gave in the hospital or clinic. If there were collaboration, it would be beneficial for the patients.

6892

6893 However, ATHPs interviewed recognized that some traditional African medicines could not be
6894 combined with modern treatments because of incompatibility. So, asking clients whether they have
6895 visited the hospital and clinic and are using any modern medication is important. Gogo Isisa, an
6896 ATHP from the uGu district municipality, had the following to say in isiZulu:

6897

6898 *“Ngisakholelwa ekutheni kwezinye izimo imithi yesintu neyesimanje ingasebenza kanyekanye.*
6899 *Isibonelo, ngingasebenzisa imithi yesintu kuyilapho udokotela ehileleke ekwelashweni*
6900 *okungezona ezomuthi, ukwelapha okufana nokwelulekwa noma ukwelapha. Lokhu kungase*
6901 *kube njalo esimweni lapho isiguli sidinga umthandazo ngakolunye uhlangothi kanye nemithi*
6902 *yesimanje ngakolunye. Kunesidingo sokugquguzela.”*

6903

6904 Gogo Isisa believed that, in some cases, traditional and modern medicine could work concurrently.
6905 For example, she could use traditional medicine while the doctor was involved in treatments that were
6906 not in the form of medicines. This involved treatments such as counselling or therapies. This was also
6907 the case in an event where the patient required prayer on one hand and modern medicine on the other.
6908 She emphasized the need to foster communication and cooperation between the two healthcare
6909 systems to improve public healthcare in South Africa.

6910
6911 Furthermore, the participant AHTPs also recognized that their patient's beliefs about their illness and
6912 the degree of healing influenced the healthcare system they would seek to use. This was expressed in
6913 isiZulu by Gogo Khethiwe, an AHTP from the uGu district municipality:

6914
6915 *“Ukholo endleleni yokwelapha noma uhlelo lunomthelela omkhulu njengoba kuyisihluthulelo*
6916 *ekwelapheni kwamaklayenti ami kanye nokululama ngokushesha ezifweni zawo. Ngike ngaba*
6917 *nezimo lapho amakhasimende eza kimina avuma ukuthi ake afika esibhedlela noma*
6918 *emtholampilo kodwa abengakaphili. Babike ukuthi bayakholelwa emithini yesintu yokubasiza*
6919 *ukuthi balulame ezifweni zabo.”*

6920
6921 Gogo Khethiwe believed that faith in a healing method or system had a great influence because it was
6922 key to her clients' healing and quick recovery from their sicknesses. She indicated cases where clients
6923 came to her and confessed that they had been to the hospital or clinic but were still ill. They reported
6924 having faith in traditional medicine to help them recover from their sicknesses.

6925
6926 However, Gogo Lerato, an AHTP from the uGu district municipality, expressed that implementing a
6927 two-way referral system faced challenges that warrant attention. These were her words in isiZulu:

6928
6929 *“Isistimu yokudluliselwa kwezindlela ezimbili inezinselele ezihlobene nokuzwela Kwamasiko,*
6930 *izithiyo zokuxhumana, kanye nomehluko kumafilosofi okuxilonga nawokwelapha. Lezi*
6931 *zinselele zingavimba ukusebenzisana okuphumelelayo phakathi kwethu.”*

6932
6933 She indicated several challenges with a two-way referral system because of cultural sensitivity,
6934 communication problems, and divergent treatment and diagnosis philosophies. These difficulties
6935 could prevent the two healthcare systems from working together effectively.

6936
6937 The discussions in the research process underscored a prevalent concern among participants regarding
6938 the potential physical health risks that might arise from the amalgamation of traditional and

6939 biomedical treatments. This apprehension was rooted in these two approaches' distinctive
6940 methodologies and underlying principles, which could lead to adverse interactions, contraindications,
6941 or unintended side effects when combined without careful consideration. The apprehension about
6942 potential health risks was warranted and reflected the need for a cautious approach to concurrently
6943 using traditional and modern medicines.

6944

6945 However, a notable consensus among the participants is that collaborative efforts and integrating
6946 traditional and modern medical practices can mitigate the identified risks. A more comprehensive and
6947 holistic patient care model can be established by fostering communication and cooperation between
6948 practitioners of both modalities. This collaborative approach would enable healthcare professionals
6949 to draw upon the strengths of both traditional and modern medicine, ensuring that treatments are
6950 tailored to individual patient needs while minimizing the potential risks associated with combining
6951 these approaches.

6952

6953 The insights gained from this research underscore the importance of a well-informed and balanced
6954 approach to concurrently using traditional and modern medicine. As healthcare systems evolve and
6955 diversify, practitioners, researchers, and policymakers must collaborate to develop guidelines and
6956 protocols prioritizing patient safety and well-being. By acknowledging the benefits and risks of both
6957 treatment modalities and fostering integration within a framework of evidence-based practice,
6958 healthcare providers can enhance the quality of patient care, seeking a harmonious blend of traditional
6959 and modern medical approaches.

6960

6961 While the past section interrogated the prospects and challenges of the two healthcare systems
6962 working together, the following section examines research participants' views about integrating the
6963 two healthcare systems within South African public healthcare.

6964

6965 **7.6 Research Participants' Views on Integration of African Traditional Medicine into Public** 6966 **Healthcare System in South Africa**

6967 Ampomah et al. (2023) reveal that the World Health Organization (WHO) includes the following
6968 three approaches to describe the way traditional medicine could be successfully integrated into the
6969 public health care system: (i) in an “integrative system”, traditional medicine (TM) is “officially
6970 recognized and incorporated into all areas of health care provision. This implies that TM is included
6971 in the relevant country’s national healthcare policy; TM healthcare providers and products are
6972 registered and regulated; TM therapies are available at hospitals and clinics (both public and private);

6973 treatment with TM is reimbursed under health insurance; relevant research is undertaken; and
6974 education in TM is available; (ii) an “inclusive system” implies that “ultimately, countries operating
6975 an inclusive system can be expected to attain an integrative system; and (iii) a “tolerant system” on
6976 TM is one in which “the national health care system is based entirely on allopathic medicine, but
6977 some TM practices are tolerated by law.”

6978
6979 South Africa could be categorized under an “inclusive system” that recognizes TM but has not yet
6980 fully integrated it into all aspects of public health care, be this in health care delivery, education and
6981 training, or regulation. TM is not yet available at all health care levels, health insurance might not
6982 cover treatment with TM, official education in TM might not be available at the tertiary level, and
6983 regulation of TM providers and products might be lacking or only partial. However, policy
6984 frameworks on TM and its healthcare providers' regulation, practice, health insurance coverage,
6985 research, and education are underway. Complete institutionalization of traditional medicine in South
6986 Africa would prevent problems of charlatanism of traditional healers, provide ATHPs with training,
6987 and allow for increased collaborative scientific research of traditional remedies.

6988
6989 Both the research participants, ATHPs, and their clients, expressed concern about charlatans who
6990 were pretending to know about traditional medicine and healing but were only trying to make money
6991 while potentially causing harm to innocent people. One ATHP client in the uGu District Municipality
6992 explained that when people talk about traditional medicine, there are two things that they are talking
6993 about: charlatans and actual healers. Real healers have studied and know the medicines, including
6994 plants and other ingredients used to treat patients. Charlatans do not know actual traditional remedies.
6995 This also occurs among Western doctors. He felt that the government needed to set statutory bodies
6996 and license healers so that charlatans would no longer be able to treat and deceive patients. He
6997 indicated that associations of traditional healers, as in modern medical Professions that already exist
6998 in South Africa, are a good starting point because they are already checking up on each other to be
6999 sure that all members are competent. An example of the TM Association given in KwaZulu-Natal
7000 province by the research participants was the African National Healers Association, founded in 1989.
7001 It has over 2000 members, including several allopathic doctors interested in traditional healing
7002 methods. Its main objectives include: (i) The setting -and maintaining of mandatory standards of
7003 traditional healing in South Africa through Cultural Heritage; (ii) Establishing a working relationship
7004 with private organizations and companies with the like-minded objective of promoting traditional
7005 medicine and traditional healing in South Africa; (iii) To develop and manage knowledge-and
7006 management systems in South Africa.

7007

7008 The Association has served as a consultant for numerous Academic Institutions as well as private
7009 companies in numerous research, educational, and traditional medicine development projects,
7010 including the hosting of the Eight Fact-Finding Workshop on behalf of the Producers of the S.A
7011 Traditional Healers handbook, Published in 1997. The sharing of knowledge among traditional
7012 healers by hosting seminars was also encouraged.

7013

7014 Based on the above consideration, the IK Act (2019) Clause 14 is on Recognition of Prior Learning
7015 (RPL). It outlines the purpose of the accreditation of assessors and sets out an application process.
7016 Clause 15 on Certification of IK Practitioners allows persons wishing to register their designations as
7017 indigenous knowledge practitioners and be certified and recorded in the Register of Designations.

7018

7019 The study wanted to find out the views of the research participants on the significance of research
7020 pertaining to TM as part of facilitating its integration into public healthcare in South Africa. During
7021 focus group discussions in both study areas, it was expressed by both participant ATHPs and their
7022 clients that for modern medical practitioners to be educated on the significance of TM, especially
7023 effectiveness in public healthcare, and the potential negative interactions, research would need to be
7024 conducted on traditional remedies. However, the research participants raised the concern that while
7025 they recognize that research into TM is essential for ensuring access to safe and effective treatments
7026 and that the knowledge of indigenous TM practices and products gained by researchers can be a
7027 source of substantial benefits to companies and research institutes, the traditional knowledge and
7028 associated resources of TM harvested from local communities is being appropriated, adapted and
7029 patented by scientists and industry, with little or no compensation to its original custodians, and
7030 without their informed consent. Therefore, while research on TM could be supported at the local
7031 community level, the government needs to protect the intellectual property rights of traditional healers
7032 and other local community knowledge holders.

7033

7034 It was similarly indicated that collecting research data for preparing traditional remedies from
7035 medicinal plants is extremely important. The information is essential for identifying active
7036 ingredients and intake of relevant amounts of drugs.

7037

7038 Despite the desire to work and collaborate with MTHPs, most ATHPs believe that modern doctors
7039 hypocritically use the media to express the existing collaboration between traditional and modern
7040 health practices because of socio-political pressure. However, according to the participant ATHPs,
7041 most conventional doctors did not want to work with traditional healers because they did not view
7042 them as effective and valuable health professionals. They perceived AHTPs as being inferior. This

7043 viewpoint was summarized in the words of Ubaba Mandla, one ATHP participant from
7044 uMkhanyakude district who said:

7045

7046 *“Kade sizama ukusebenzisana nabo kodwa kubukeka sengathi asamukelekile. Odokotela*
7047 *banamuhla bathi abantu akufanele basebenzise abelaphi bendabuko ngoba bona abafuni*
7048 *ukufunda nokuqonda izindlela zethu zokwelapha. Emakhamera, bahlale bethi bafuna*
7049 *ukusebenza nathi kodwa empeleni abasithathi njengabantu abalinganayo. Eqinisweni,*
7050 *abawunaki umsebenzi wethu. Ngikholwa wukuthi usemkhulu umsebenzi osazokwenziwa*
7051 *endaweni yokusebenzisana. Baqeqeshwe kakhulu njengathi. Lapho isiteshi sokusebenzisana*
7052 *sivulwa ngokusemthethweni futhi sisebenza ndawonye, yilapho bezobona khona ukuthi*
7053 *siqeqeshelwe ukwelapha izinhlobo ezahlukene zezifo.”*

7054

7055 He believed that despite the ATHPs' best efforts to work with conventional healthcare practitioners,
7056 it did not appear that they had accepted ATHPs attempts to collaborate. Since modern doctors were
7057 unwilling to learn and comprehend ATHP healing methods, they advised their patients against using
7058 traditional opinion, and there was still more to be done in integrating the two healthcare systems.

7059

7060 In addition, there were some ATHP research participants, such as herbalists and diviners, who were
7061 against the idea of collaborating with MHPs and integrating the two healthcare systems. The main
7062 reason for their unwillingness to integrate the two healthcare systems was the belief in the efficacy
7063 of their practices and healing system and the ineffectiveness of modern medicine to cure their patients.
7064 This point of view was articulated by Ubaba Amahle, one of the ATHPs from the uGu district, who
7065 said:

7066

7067 *“Angicabangi ukuthi kufanele sisebenzisane nodokotela nabahlengikazi besimanje. Izindlela*
7068 *zethu nezindlela zokwelapha ziyehluka. Nginguchwepheshe futhi sekuyiminyaka ngelapha*
7069 *izifo eziningi kule miphakathi. Siyakhula isibalo sabantu abashona ezibhedlela ngoba*
7070 *odokotela besimanje abakwazi ukwelapha. Ukuthumela iziguli kuzo kungaba wumgomo*
7071 *wokuzibulala kanye nobungozi ezimpilweni zeziguli.”*

7072

7073 He expressed the concern that the practices, worldviews, ways of knowing and value systems of the
7074 two healthcare systems differed. He was talking from the position of an expert in African traditional
7075 medicine and healing practices, who had dealt with a great deal of illnesses in the local communities
7076 for many years. According to his long experience, hospital mortalities were rising due to modern
7077 doctors' inability to heal holistically, considering the complexity of increasing health challenges.

7078

7079 Another reason for the unwellness to integrate the two healthcare systems was raised by Ubaba
7080 Bhekizizwe, one of the ATHPs from uMkhanyakude District Municipality, i.e., the fear of misuse
7081 and misappropriation of African traditional knowledge.

7082

7083 *“Asikwazi ukusebenzisana ngoba odokotela bezokwelapha bacabanga ukuthi bafunde*
7084 *kakhulu, bahlakaniphe kakhulu futhi bahlakaniphe kunathi. Laba dokotela besimanje akumele*
7085 *bantshontshe ulwazi lwethu lwesintu baqale ukudayisa imikhiqizo okungeyona eyabo.”*

7086

7087 He reiterated that medical doctors were used to steal indigenous knowledge systems in medicine for
7088 pharmaceutical companies. Some participant ATHPs expressed the willingness to integrate the two
7089 healthcare systems on condition that appropriate measures were in place to ensure that their traditional
7090 knowledge was protected from misuse and misappropriation. They emphasized the importance of
7091 understanding certain symptoms and referring patients to clinics or hospitals for treatment when
7092 necessary. ATHPs in both district municipalities expressed the view that MHPs harboured feelings
7093 of mistrust towards ATHPs and were unwilling to form a partnership.

7094

7095 Apart from the few research participants against collaboration, most ATHP participants highlighted
7096 that collaboration between African Traditional Health Practitioners and Public Health Care Providers
7097 in South Africa had some added advantages. For example, Gogo Gumbi, a Traditional Health
7098 Practitioner in uGu District Municipality, had the following to say in the isiZulu language:

7099

7100 *“Inhloso yethu yokubambisana iwukuba ndawonye ngoba sobabili sinenhloso eyodwa -*
7101 *okuwukusiza abantu. Sekuyisikhathi eside abezempilo bendabuko kanye nabasebenzi*
7102 *bezempilo bakahulumeni besebenza ngokuzimela emiphakathini yethu. Lokhu kube kubi*
7103 *kweziguli zethu. Lokhu kubambisana kuzosihlanganisa futhi kusenze sazane kangcono futhi*
7104 *sisebenze njengeqembu. Sonke siyadingana ukuze siphumelele. Uma sisebenza*
7105 *ngokubambisana, kuyosisiza ukuthi sikwazi ukudlulisela amaklayenti kusenesikhathi lapho*
7106 *edinga ukunakekelwa kwezokwelapha kwesimanje futhi okuphambene nalokho.”*

7107

7108 He expressed the opinion that the two healthcare systems have worked independently in local
7109 communities for an extended period. This has been to the disadvantage of patients. Hence, their
7110 integration would bring practitioners from both systems together, allowing them to know each other
7111 better and work as a team. It would help them to refer clients promptly in cases where they require
7112 modern medical attention and vice versa.

7113

7114 It was generally indicated that the main reason for the current push for integrating traditional medicine
7115 into public health care was the inability of modern health facilities in South Africa and the
7116 accessibility, acceptability, and affordability of traditional medicine. In both study groups, there was
7117 a diversity of views on this issue during in-depth interviews and focus group discussions.

7118

7119 Mr. Sizwe Mbhele, a local community member in uGu District Municipality, who was a client of one
7120 of the ATHPs, had the view that the current push for integration of traditional medicine into public
7121 health care by different stakeholders, including local communities, is due to the inability of the
7122 modern health facilities to meet the healthcare needs of the people, especially the marginalized social
7123 groups such as women and children in local communities. Traditional medicine plays a crucial role
7124 in providing socio-economic, cultural, and environmental benefits, and supports the livelihoods of
7125 local communities, particularly where formal public facilities are lacking. This is especially important
7126 given the growing African population.

7127

7128 Ms. Thoko Gumede from uMkhanyakude District Municipality attributed the growing interest in TM
7129 to the challenges the public healthcare system faces in treating some chronic diseases and conditions
7130 using modern medicine. According to him, the popularity of herbal medicines was also due to the
7131 broader cultural belief that people were closer to nature, their accessibility, and affordability. Mr
7132 Thabo Qwabe, an ATHP's client in uMkhanyakude said:

7133

7134 *“Intshisekelo evuselelwe ku-TM emiphakathini yendawo yase-Afrika idonsela umfutho*
7135 *ekwandeni kwesibalo sabantu emiphakathini yase-Afrika okuhlanganisa nokushintsha indlela*
7136 *yokuphila kanye nokucabanga phakathi kwabantu abaku-TM kanye nokwelapha. Imithi*
7137 *yamakhambi ithokozela ukwamukelwa okuphezulu phakathi kwemiphakathi yendawo*
7138 *okuhlanganisa nentsha, ngoba ithathwa njengeshibhile futhi ixhumene kakhulu namasiko.”*

7139

7140 In his view, the renewed interest in TM in local African communities drew impetus from the
7141 increasing human population in African communities, including changing lifestyles and mindsets
7142 among people on TM and healing. Herbal medicines enjoyed high acceptability among local
7143 communities, including young people, because they were considered cheap and of intense cultural
7144 attachment.

7145

7146 **7.6.1 Opinions on Creating ATHPs' Facilities in Clinics and Hospitals**

7147 The suggestion to establish ATHP rooms in clinics and hospitals emerged as a crucial consideration
7148 during most focus group discussions and interviews with ATHPs and their clients in both district
7149 municipalities. This step was viewed as essential for facilitating integration.

7150

7151 The majority of ATHPs interviewed were supportive of the integration of ATMs into modern
7152 healthcare facilities. They welcomed the idea of having a designated room for their practice within
7153 clinics and hospitals as the opportunity to integrate their healing practices into these health facilities.
7154 They believed integrating traditional healing practices into a hospital setting has an added advantage
7155 since it can provide them with better access to a broader patient population who may benefit from
7156 their expertise. In addition, they view this integration as an opportunity to collaborate with medical
7157 professionals, share their knowledge, and contribute to patients' overall well-being.

7158

7159 ATHPs often possess extensive knowledge of herbal remedies, spiritual healing, and other traditional
7160 modalities passed down through generations (Che et al., 2024). ATHPs in both research sites believed
7161 that by working alongside medical professionals, they could contribute their unique perspectives and
7162 approaches to patient care in South Africa. Furthermore, they expressed the view that having
7163 dedicated rooms in clinics and hospitals would give them easy access to modern diagnostic tools and
7164 technologies that clinics and hospitals provide, which can enhance their ability to assess and treat
7165 patients. ATHPs who supported this idea see it as a validation of their skills and an acknowledgement
7166 of the value of traditional medicine within the broader healthcare system. Gogo Uluthando, an ATHP
7167 from uGu District municipality, had the following to say in isiZulu:

7168

7169 *“Ngicabanga ukuthi kumele kube negumbi eliyisipesheli elinikezelwe abelaphi bendabuko*
7170 *base-Afrika emitholampilo nasezibhedlela. Lokhu kuzothuthukisa ukusebenzisana*
7171 *nokubambisana okufanele. Kungenza uhlelo lwereferensi lube lula njengoba iziguli*
7172 *zizodluliselwa kwelinye igumbi ziye kwelinye ngaphandle kokumosha isikhathi.”*

7173

7174 She believed a special room must be dedicated to African traditional health practitioners in clinics
7175 and hospitals. This would foster proper collaboration and partnership. It could make the reference
7176 system easy since patients would be referred from one room to another without wasting time.

7177

7178 *“Igumbi emtholampilo noma esibhedlela elinikezelwe kuma-ATHP lizosikhuthaza ukuthi*
7179 *sifunde komunye nomunye. Iziguli ezingakaze zisebenzise imithi yesintu yase-Afrika ngenxa*
7180 *yenkolelo yazo zingase zinikezwe ithuba futhi zikhuthazwe ukuthi zisebenzise ukwelashwa*

7181 *kwesintu noma umthandazo lapho kudingeka ngoba indawo ye-ATHP ingaphakathi*
7182 *kwesikhungo sasesibhedlela.”*

7183

7184 It was indicated that the room at the clinic or hospital dedicated to ATHPs would encourage
7185 practitioners of each system to learn from each other. Patients who have never used traditional African
7186 medicine because of their beliefs might also be given the opportunity and encouraged to use
7187 traditional treatment or healing when needed because the ATHP’s facility would be within the
7188 hospital facility.

7189

7190 *“Umqondo wokuba namagumbi anikezelwe kithi emtholampilo noma esibhedlela uzosinika*
7191 *ukufinyelela okulula kumathuluzi esimanjemanje okuxilonga kanye nobuchwepheshe*
7192 *obuhlinzekwa yimitholampilo nezibhedlela, obungathuthukisa ikhono lethu lokuhlola*
7193 *nokwelapha iziguli.”*

7194

7195 Having rooms dedicated to us at the clinic or hospital will give us easy access to modern diagnostic
7196 tools and technologies that clinics and hospitals provide, which can enhance our ability to assess and
7197 treat patients.

7198

7199 *“Umqondo wokuba namagumbi anikezelwe kithi emtholampilo noma esibhedlela ubonisa*
7200 *ngempela ukuqinisekiswa kwamakhono ethu. Lokhu kuwukuvuma ukubaluleka kwemithi*
7201 *yesintu ohlelweni lokunakekelwa kwezempilo olubanzi ezweni.”*

7202

7203 The participant, ATHP in both study areas, believed that having rooms dedicated to them at the clinic
7204 or hospital would demonstrate the validation of their knowledge and skills. For some of the participant
7205 ATHPs, integrating ATM into modern healthcare facilities is about cultural recognition and
7206 preservation of African medicine and healing systems. They believed that TM practice was essential
7207 to their cultural heritage and identity. Integrating their healing methods into clinics and hospitals
7208 affirmed their expertise and the importance of traditional medicine and healing practices. In addition,
7209 it would show respect for African cultural traditions and help keep ancestral knowledge alive by
7210 providing an opportunity for ATHPs to pass down their knowledge and skills to future generations.
7211 These sentiments were articulated in isiZulu by participant ATHPs in both study district
7212 municipalities:

7213

7214 *“Ubuchwepheshe bethu buzothathwa njengobusemthethweni futhi busemthethweni lapho*
7215 *izindlela zethu zokwelapha zethulwa emitholampilo nasezibhedlela.”*

7216

7217 Our expertise will be considered official and legal when our healing methods are introduced in clinics
7218 and hospitals.

7219

7220 *“Uma ngempela sifinyelela ezingeni lokuthi sibe namagumbi ethu ezibhedlela, kuzoba*
7221 *wubufakazi bokuhlonipha amasiko nezimiso zethu zaseNingizimu Afrika. Lokhu kuzosinikeza*
7222 *ithuba lokudlulisa ubuhlakani nobungcweti bethu ezizukulwaneni ezizayo ukuze sigcine*
7223 *ulwazi lokhokho bethu luphila.”*

7224

7225 The above means that if ATHPs got their rooms in hospitals and clinics, it would be proof of respect
7226 for their cultural traditions and values in South Africa. This would allow them to pass down their
7227 wisdom and expertise to future generations to keep the ancestral knowledge alive. Gogo Thandie said
7228 the following in IsiZulu:

7229

7230 *“Kumina, umbono wokuba namagumbi anikezelwe kithi emtholampilo noma esibhedlela*
7231 *yithuba lethu lokufundisa abanye ngemikhuba yamasiko. Lokhu kuzothuthukisa ukwazisa*
7232 *nokuqonda phakathi kodokotela neziguli.”*

7233

7234 According to her, having rooms dedicated to ATHPs at the clinic or hospital allowed them to educate
7235 others about cultural practices. It would promote appreciation and understanding of traditional
7236 medicine and healing practices among doctors and patients.

7237

7238 Another group of participant ATHPs viewed integrating traditional medicine and healing practices
7239 into clinics and hospitals as an opportunity for enhanced collaboration with conventional medical
7240 professionals. They advocated for collaboration between the two healthcare systems to offer more
7241 holistic care. Working together, ATHPs and doctors could provide comprehensive and patient-centred
7242 care. They recognize that each system has its strengths and limitations and believe combining them
7243 can improve patient outcomes. ATHPs can share their knowledge and expertise by working alongside
7244 medical professionals, contributing to a comprehensive and personalized approach to healthcare. This
7245 will help create a more holistic public healthcare system. They emphasized the importance of
7246 addressing not only the physical elements but also the emotional, spiritual, and social aspects of a
7247 person's well-being. Participant ATHPs from both district municipalities expressed the following in
7248 isiZulu:

7249

7250 *“Ukuhlangukiswa kwezinqubo zokwelapha zendabuko emitholampilo nasezibhedlela*
7251 *kuyithuba lokuthuthukisa ukusebenzisana nabahlengikazi nodokotela. Bakhuthaza*
7252 *ukubambisana phakathi kwezinhlelo zezokwelapha zendabuko nezesimanje.”*

7253

7254 The integration of traditional healing practices into clinics and hospitals would provide an opportunity
7255 to improve collaboration between ATHPs with nurses and doctors:

7256

7257 *“Ukusebenzisana nodokotela nabahlengikazi kunganikeza ukunakekelwa okuphelele,*
7258 *okugxiliswe esigulini, nokubandakanya konke emiphakathini yethu.”*

7259

7260 Working with doctors and nurses would provide local communities with more comprehensive,
7261 patient-centred, and all-inclusive care.

7262

7263 *“Asiphelele, sinamandla athile kanye nobuthakathaka. Odokotela nabahlengikazi nabo*
7264 *banamandla abo kanye nobuthakathaka babo. Ngicabanga ukuthi ukuhlangukiswa*
7265 *kwezinhlelo zethu ezimbili zezokwelapha kungaholela ekubhekaneni hhayi nezimpawu*
7266 *zomzimba kuphela kodwa nezici ezingokomzwelo, ezingokomoya, nezenhlalo zenhlalakahle*
7267 *yesiguli.”*

7268

7269 The above implies that both healthcare systems have some strengths and weaknesses. Hence, their
7270 integration would lead to a holistic patient health and wellness approach.

7271

7272 ATHP participants suggested that exploring ways to integrate traditional medicine into existing
7273 healthcare facilities, such as hospitals and clinics, was one of the critical considerations and steps that
7274 could be taken to facilitate the integration of traditional African medicine into public healthcare in
7275 South Africa. They suggested that this can involve creating specialized units or departments within
7276 healthcare institutions that offer traditional medicine services alongside modern treatments. However,
7277 some ATHPs expressed that setting up ATHPs’ rooms in clinics and hospitals can pose operational
7278 challenges. Among these challenges are concerns about assimilation and authenticity. ATHPs had
7279 expressed concerns about their practices being assimilated, diluted, or altered to fit within a hospital
7280 environment or structures of medical institutions. The worry is that Western medical practices could
7281 overshadow their unique cultural practices. Traditional practices will lose their authenticity and
7282 cultural significance if they become part of a mainstream healthcare system. These ATHPs advocated
7283 for maintaining the authenticity and integrity of their healing methods outside the hospital setting,

7284 preserving their traditional knowledge and rituals passed down through generations. These were some
7285 of their words in isiZulu:

7286

7287 *“Ukubeka indawo yegumbi elikhethekile elinikezelwe kuma-ATHP esibhedlela kungase kube*
7288 *inselele. Iningi labantu bakithi likholelwa ekwelashweni kwesintu futhi bebeqala basithinte*
7289 *ngaphambi kokuvakashela odokotela nabahlengikazi besimanje. Odokotela nabahlengikazi*
7290 *banamuhla bangase bazizwe besongelwa ukuba khona kwethu ikakhulukazi lapho iziguli*
7291 *ziqala ekamelweni lethu ngaphambi kokubonisana nazo.”*

7292

7293 The ATHPs expressed the concern that putting a special room dedicated to traditional medicine in
7294 the hospital may be challenging. The majority of African people believe in traditional medicine and
7295 healing. They would first consult the ATHPs before visiting modern doctors and nurses. Modern
7296 doctors and nurses might feel threatened by the ATHPs's presence, especially when patients start
7297 from their rooms before consulting them.

7298

7299 *“Lokhu kungase kube yinto enhle ukuyenza. Kodwa izinselele zingase ziphakame lapho*
7300 *sinezimo lapho imbangela yesifo sithathwa njengokuhlasela kwemimoya emibi noma*
7301 *iziqalekiso. Imihlatshelo nokuhlanzwa okungokomoya kungase kudingeke ukuze kushwelezwe*
7302 *unkulunkulu. Kungase kudingeke ngenze i-Exorcism noma umkhuba wokuxosha amademoni*
7303 *noma imimoya emibi. Indawo yasemtholampilo noma yasesibhedlela ingase ingabi mnandi*
7304 *ngoba eminye yale mikhuba ingase idingeke ukuba yenziwe endaweni ethile njengokuyala*
7305 *konkulunkulu.”*

7306

7307 They believed that integration might be a good thing to do, but challenges might arise when there are
7308 cases where the cause of the disease is perceived to be an attack from evil spirits or curses. Sacrifices
7309 and spiritual cleansings could be required to appease the spirits. The ATHP might need to perform
7310 exorcism or the practice of expelling demons or evil spirits. The clinic or hospital environment might
7311 not be conducive because some of these practices could be required at specific places as commanded
7312 by the spirits.

7313

7314 ATHPs who were cautious about integrating the two systems also expressed their concerns about the
7315 standardization and regulation of their practices. They were worried about the potential for
7316 misrepresentation or misunderstanding of their healing methods within a hospital environment.
7317 Hence, they emphasized the need for proper regulation and ethical guidelines before any integration
7318 could take place. They expressed a good understanding of the importance of ensuring patient safety

7319 and quality of care. These ATHPs expressed the need for clear guidelines, ethical frameworks,
7320 training, certification, and appropriate licensing so that those practicing traditional healing within
7321 hospitals have the necessary skills and knowledge. This is to help ensure a safe and effective
7322 integration of traditional healing practices into hospitals. These were some of their words in isiZulu:

7323

7324 *“Izindlela zethu zokwelapha zigxile ngokujulile emasikweni amasiko, izindlela eziphelele,*
7325 *kanye nokuqonda okujulile kokuxhumana kwengqondo nomzimba. Kodwa-ke, ohlelweni*
7326 *lwesimanje lokunakekelwa kwezempilo, kungase kube nokuhlanekezela amaqiniso noma*
7327 *ukungaqondi kahle izindlela zethu zokwelapha, ikakhulukazi phakathi kwezilungiselelo*
7328 *zesibhedlela.”*

7329

7330 The concerned ATHPs believed their healing methods were deeply rooted in cultural traditions, based
7331 on holistic approaches and a profound understanding of the mind-body connection. However, within
7332 the conventional healthcare system, there can often be misrepresentation or misunderstanding of
7333 ATHP healing methods, especially within hospital settings.

7334

7335 *“Izenzo zethu ziyingxenye ebalulekile yamagugu ethu amasiko, adluliselwa ezizukulwaneni*
7336 *ngezizukulwane. Izindlela zethu zokwelapha zigxile kakhulu ezinkolelweni zomphakathi,*
7337 *ezimisweni nasezinkambisweni zikamoya. Esimeni sasesibhedlela esamukela kakhulu imithi*
7338 *yaseNtshonalanga, izinqubo zethu zokwelapha zisengcupheni yokubukelwa phansi noma*
7339 *zikhishwe njengezingasebenzi. Lokhu kuhlanekezela kabi kungase kucekele phansi ubunikazi*
7340 *bamasiko nesithunzi sama-ATHP, okuholela ekulahlekelweni ukwethenjwa kanye nethuba*
7341 *elilahlekile lokunakekelwa kwesiguli okuphelele.”*

7342

7343 The sentiment was that their healing practices were integral to the cultural heritage passed down
7344 through generations. These were deeply rooted in the community's beliefs, values, and spiritual
7345 traditions. In a hospital setting that predominantly embraces Western medicine, ATHP healing
7346 practices might be at risk of being marginalized or dismissed as ineffective. This misrepresentation
7347 could erode the cultural identity and dignity of ATHPs, leading to a loss of trust and a missed
7348 opportunity for holistic patient care.

7349

7350 *“Njengabelaphi bendabuko, sithatha indlela ephela yokwelapha, singabheki nje kuphela*
7351 *izimpawu zenyama kodwa futhi nenhlalakahle engokomzwelo, yenhlalo, kanye nengokomoya*
7352 *yamakhasimende ethu. Sikholelwa ukuthi ukugula ngokuvamile kuwumphumela*
7353 *wokungalingani kuzo zonke lezi zici zempilo yomuntu nokuthi ukuphulukiswa kudinga*

7354 *ukubuyisela ukuzwana nokulinganisela. Kodwa-ke, ngaphakathi kwesilungiselelo*
7355 *sasesibhedlela, lapho kugxilwe khona ngokuyinhloko esifweni somzimba, ukuhlakanipha*
7356 *okujulile kwama-ATHP kungase kunganakwa noma kuqondwe kabi. Lokhu kungakhawulela*
7357 *ukusebenza.”*

7358

7359 As traditional healers, they took a holistic approach to healing, considering not only the physical
7360 symptoms but also the emotional, social, and spiritual well-being of our clients. The ATHPs believed
7361 that illness was often the result of an imbalance in all these aspects of a person's life and that healing
7362 requires restoring harmony and balance. However, within a hospital setting, where the focus is
7363 primarily on the physical aspects of the disease, the profound wisdom of ATHPs might be overlooked
7364 or misunderstood. This could limit the effectiveness of treatment and prevent patients from
7365 experiencing comprehensive care.

7366

7367 *“Izinqubo zethu zemithi yendabuko zivame ukusekelwe emasikweni adluliselwa ngomlomo*
7368 *futhi adluliselwe kwesinye isizukulwane kuya kwesinye. Kuzoba nzima komunye umuntu*
7369 *ongeyena i-ATHP ukuthi akwazi ukuqonda indlela yokubhala kanye nokuhlanganisa ulwazi*
7370 *lwethu, njengokusetshenziswa kwezitshalo zokwelapha, izindlela zokuxilonga zendabuko,*
7371 *izinqubo zokwelapha zendabuko, kanye nezinye izindlela zokwelapha zendabuko, ukuze*
7372 *londoloza ulwazi lwendabuko futhi alwenze lufinyeleleke ekuqeqeshweni nasekucwaningeni.”*

7373

7374 Doctors and nurses are always reluctant to undergo training and be educated in traditional medicine
7375 because they consider the education they have gained at school more valuable than traditional
7376 medicine training. Together, we can develop educational programs and courses to teach traditional
7377 medicine knowledge and skills in a structured manner. This can help ensure that doctors and nurses
7378 get a certain level of competence and adhere to standardized practices.

7379

7380 *“Kunesidingo sokulawulwa okufanele neziqondiso ezicacile, izinhlaka zokuziphatha,*
7381 *ukuqeqeshwa, ukunikezwa izitifiketi, kanye nokunikezwa kwamalayisensi afanele ukuze labo*
7382 *abelapha ngokwesintu emitholampilo nasezibhedlela babe namakhono nolwazi oludingekayo.*
7383 *Lokhu kuqinisekisa ukuhlanganiswa okuphephile nokusebenzayo kwezinqubo zokwelapha*
7384 *zendabuko ezibhedlela.”*

7385

7386 The view was that there was a need for proper regulation and clear guidelines, ethical frameworks,
7387 training, certification, and appropriate licensing so that those practicing traditional healing within

7388 clinics and hospitals could have the necessary skills and knowledge. This would ensure a safe and
7389 effective integration of traditional healing practices into hospitals.

7390

7391 Another concern for ATHPs interviewed was the lack of cultural sensitivity and patient autonomy
7392 within clinics and hospitals. ATHPs from both district municipalities expressed the following in
7393 isiZulu:

7394

7395 *“Imikhuba yethu yokwelapha ihilela ukusebenzelana eduze neziguli zethu. Sibheka izinkolelo,*
7396 *izintandokazi, kanye nesimo samasiko amaklayenti ethu. Kodwa-ke, esimweni sasesibhedlela,*
7397 *iziguli zingase zizwe ziphoqelekile ukuba zihambisane nephethini yezokwelapha evelele,*
7398 *okuholela ekunqanyulweni kobunikazi bazo bamasiko kanye nemikhuba yokwelapha*
7399 *yendabuko. Lokhu kungaphumela ebuhlotsheni obunzima phakathi kukadokotela nesiguli*
7400 *futhi kuvimbe inhlalakahle yesiguli iyonke.”*

7401

7402 They emphasized that their healing practices involved close collaboration with the patients. The
7403 ATHPs considered their clients' beliefs, preferences, and cultural context. However, in a hospital
7404 setting, patients might feel pressured to conform to the dominant medical pattern, leading to a
7405 disconnection from their cultural identity and traditional healing practices. This could result in a
7406 strained doctor-patient relationship and hinder the patient's well-being.

7407

7408 *“Izinqubo zethu zemithi yendabuko zivame ukusekelwe emasikweni adluliselwa ngomlomo*
7409 *futhi adluliselwe kwesinye isizukulwane kuya kwesinye. Kuzoba nzima komunye umuntu*
7410 *ongeyena i-ATHP ukuthi akwazi ukuqonda indlela yokubhala kanye nokuhlanganisa ulwazi*
7411 *lwethu, njengokusetshenziswa kwezitshalo zokwelapha, izindlela zokuxilonga zendabuko,*
7412 *izinqubo zokwelapha zendabuko, kanye nezinye izindlela zokwelapha zendabuko, ukuze*
7413 *londoloza ulwazi lwendabuko futhi alwenze lufinyeleleke ekuqeqeshweni nasekucwaningeni.”*

7414

7415 They indicated that traditional medicine practices were often based on oral traditions and passed from
7416 generation to generation. It would, therefore, be difficult for someone else who was not an ATHP to
7417 be able to understand how to document and codify this indigenous knowledge system, involving
7418 aspects such as the use of medicinal plants, traditional diagnostic methods, traditional treatment
7419 protocols, and other traditional healing techniques, to preserve the indigenous knowledge and make
7420 it accessible for training and research.

7421

7422 Most ATHP clients also had diverse views and opinions regarding establishing a room for THPs in
7423 clinics and hospitals to integrate ATMs into modern healthcare facilities. Some clients were
7424 supportive of the integration of the two healing systems. They supported having a designated room
7425 for ATHPs within clinics and hospitals. They thought it was a positive step towards integrating
7426 traditional and modern healthcare systems. They believed that ATHPs offer valuable insights that can
7427 enhance patient care and well-being. For them, integrating traditional healing practices into clinics
7428 and hospitals is a way to combine the strengths of both systems. They believed that ATHPs possess
7429 valuable knowledge and expertise that can complement modern medical treatments. These
7430 individuals expressed that they have personally experienced the benefits of traditional medicine and,
7431 therefore, view it as a holistic approach to healthcare. They expressed that by establishing a room for
7432 ATHPs in clinics and hospitals, patients can access a broader range of treatment options and benefit
7433 from a more comprehensive approach to healing. These were their expressions in the isiZulu
7434 language:

7435

7436 *“Amagumbi okusetha anikezelwe ama-ATHP ethu ayisinyathelo esihle ngempela*
7437 *ekuhlanganiseni imithi yendabuko neyesimanje ngoba ama-ATHP anikeza imininingwane*
7438 *ebalulekile engathuthukisa ukunakekelwa kwethu nokuphila kahle.”*

7439

7440 The expressed view was that setting rooms dedicated to ATHPs was a positive step towards
7441 integrating traditional and modern medicine. ATHPs offered valuable insights that could improve our
7442 care and well-being. Ubaba Ndlovu from the uGu District municipality expressed this from the uGu
7443 District municipality:

7444

7445 *“Ngicabanga ukuthi ukuhlanganiswa kwemithi yesintu yase-Afrika emitholampilo*
7446 *nasezibhedlela kuyindlela yokuhlanganisa amandla emithi yesintu kanye nemithi yesimanje.”*

7447

7448 He believed that integrating African traditional medicine into clinics and hospitals was a way to
7449 combine traditional and conventional medicine strengths.

7450

7451 *“Lapho imithi yethu yesintu ibuthaka, imithi yesimanje ingasetshenziswa ukuze selaphe*
7452 *kanjalo.”*

7453

7454 Where ATHP traditional medicine was weak, conventional medicine could be used to cure people
7455 and vice versa:

7456 *“Ngibe nokuhlangenwe nakho komuntu siqu ngezinzuzo zemithi yendabuko yase-Afrika.*
7457 *Ngicabanga ukuthi ukusungula igumbi lama-ATHP emitholampilo nasezibhedlela kuzonikeza*
7458 *zonke iziguli ukufinyelela ezinhlobonhlobo zezinketho zokwelapha futhi zizuze.”*

7459

7460 Ubaba Ndlovu indicated a personal experience of the benefits of African traditional medicine. He
7461 thought establishing a room for ATHPs in clinics and hospitals would give all patients access to
7462 various treatment options and benefit from a more comprehensive approach to healing.

7463

7464 For some other ATHPs, this was about cultural preservation since their practices were deeply rooted
7465 in their cultural heritage. They believed traditional healing methods carried the wisdom and
7466 knowledge passed down through generations and should be respected and preserved. They felt it was
7467 essential to preserve and promote traditional healing practices and see integrating them into hospitals
7468 as a positive step towards cultural inclusivity in healthcare. They believed that having a designated
7469 room for ATHPs in clinics and hospitals would be a significant step towards cultural inclusivity and
7470 recognizing the value of traditional medicine within their community. These individuals viewed this
7471 integration of cultural practices and traditional healing approaches to promote diversity and honour
7472 their cultural identity within the healthcare system. These were their expressions in the isiZulu
7473 language by Ubaba Kgabu:

7474

7475 *“Izindlela zokwelapha zendabuko zase-Afrika ziphethe ukuhlakanipha nolwazi oludluliswa*
7476 *ezizukulwaneni ngezizukulwane futhi kufanele zihlonishwe futhi zilondolozwe.”*

7477

7478 He says traditional African healing methods carry the wisdom and knowledge passed down through
7479 generations and should be respected and preserved.

7480

7481 *“Kubalulekile ukulondoloza nokukhuthaza izindlela zokwelapha zendabuko. Ukuba negumbi*
7482 *elikhethekile lama-ATHP emitholampilo nasezibhedlela kuthathwa njengesinyathelo*
7483 *esiholela ekuhlanganisweni kwezamasiko kanye nokuqashelwa kokubaluleka kwemithi*
7484 *yendabuko emiphakathini yethu.”*

7485

7486 It was important to preserve and promote traditional healing practices. A designated room for ATHPs
7487 in clinics and hospitals was thus seen as a step towards cultural inclusivity and recognition of
7488 traditional medicine's value within our communities.

7489

7490 The participant clients of the ATHPs interviewed also expressed the idea of Accessibility and Choice.
7491 They believed some individuals might appreciate choosing between modern medical treatments and
7492 traditional healing methods. They believed that having room for ATHPs in clinics and hospitals
7493 provides patients with a broader range of healthcare options, allowing them to make informed
7494 decisions about their treatment and healing journey. These were some of their expressions in the
7495 isiZulu language:

7496

7497 *“Ukuba namakamelo anikezelwe i-ATHP emitholampilo nasezibhedlela kunikeza iziguli*
7498 *ithuba lokukhetha phakathi kwezindlela zokwelapha zesimanje nezindlela zokwelapha*
7499 *zendabuko.”*

7500

7501 The above meant that having rooms dedicated to ATHP in clinics and hospitals would allow patients
7502 to choose between modern medical treatments and traditional healing methods.

7503

7504 *“Ukuba namakamelo anikezelwe i-ATHP emitholampilo nasezibhedlela kunikeza*
7505 *ukufinyelela ngokushesha kukho kokubili imithi yesintu kanye nemithi yesimanje*
7506 *okubavumela ukuba bakhethe kalula indlela yokwelashwa kanye nohlelo lokuphulukisa*
7507 *abazoluthatha.”*

7508

7509 Having rooms dedicated to ATHP in clinics and hospitals provided patients with immediate access
7510 to traditional and modern medicine, allowing them to choose their treatment and healing system
7511 easily.

7512

7513 It is important to note that the opinions of ATHPs regarding establishing a room for African Health
7514 Practitioners in clinics and hospitals encompassed a range of perspectives. One group of ATHPs was
7515 eager to integrate their practices into the healthcare system, while others had some reservations
7516 because of potential assimilation or dilution. Another group of ATHPs was also cautious about
7517 integrating the two systems. They were concerned about the standardization and regulation of their
7518 practices because of misrepresentation or misunderstanding of their healing methods and the lack of
7519 cultural sensitivity and patient autonomy within a hospital environment. Collaboration, mutual
7520 respect, and open dialogue between ATHPs, medical professionals, and healthcare institutions were
7521 vital to navigating the complexities of integrating traditional healing practices into clinics and
7522 hospitals while preserving cultural heritage and ensuring patient well-being.

7523

7524 The opinions of ATHPs' clients regarding establishing a room for African Health Practitioners in
7525 clinics and hospitals was that integrating cultural practices and traditional healing approaches would
7526 promote diversity and honour African cultural identity within the healthcare system. Clients believed
7527 that dedicated ATHP rooms within modern hospitals and clinics would provide patients with a
7528 broader range of healthcare options, allowing them to make informed decisions about their treatment
7529 and healing journey. They also view integrating traditional healing practices into clinics and hospitals
7530 as a way to combine the strengths of both systems.

7531

7532 Finally, it is worth noting that the opinions regarding establishing a room for ATHPs in clinics and
7533 hospitals varied greatly depending on cultural backgrounds, personal experiences, and beliefs of
7534 research participants from both district municipalities. Public opinion on the matter was diverse and
7535 was influenced by factors such as exposure to different healthcare systems' governance and individual
7536 preferences. It was, therefore, essential to consider these diverse factors when discussing integrating
7537 traditional healing practices within modern healthcare systems.

7538

7539 **7.7 Research Participants' Views on African Traditional Medicine and Government Policies**

7540 African nations have undergone transformative socio-political changes, leading to healthcare policies
7541 evolving to integrate traditional medicine within the broader healthcare framework (AU, 2016).
7542 Recognizing traditional medicine's potential to complement modern medical practices has catalyzed
7543 discussions about integrating traditional medicine into the healthcare system, garnering attention from
7544 governments, healthcare professionals, and researchers alike. This juncture of traditional healing
7545 practices and evolving healthcare policies creates a complex discourse involving various stakeholders
7546 with diverse perspectives.

7547

7548 This section explores the views held by ATHPs and their clients regarding African traditional
7549 medicine and the associated government policies. It seeks to unravel the multifaceted dynamics that
7550 govern the relationship between ATHPs, African traditional medicine, and the prevailing healthcare
7551 policies. The perspectives of ATHPs, as custodians of indigenous healing knowledge, offer invaluable
7552 insights into the challenges, opportunities, and aspirations that shape the integration of traditional
7553 medicine into the contemporary healthcare landscape.

7554

7555 While governments have traditionally prioritized science and technology as crucial components of
7556 growth and development plans worldwide, ATHPs believe that scientific expertise is often only

7557 recognized when it adheres to Western, standardized, and homogeneous practices. UBaba Ntshangase
7558 commented on this phenomenon:

7559

7560 *“Ngokuyisisekelo, ulwazi lwethu lugxile emsebenzini wesayensi osuselwe emiphakathini*
7561 *yasemaphandleni kanye nezizukulwane ngezizukulwane. Nakuba ihlukile ohlelweni*
7562 *lwaseNtshonalanga lwe-empirical oluzinze kumalabhorethri, ulwazi lwethu lwendabuko*
7563 *lusebenza ngokulinganayo futhi lusebenza kakhulu. Lolu wulwazi oluthuthuke kusukela*
7564 *ekuqondeni nasekubhaleni izinqubo emvelweni. Ukuphindwaphindwa kwezinqubo*
7565 *ngokuhamba kwesikhathi kuye kwaholela emikhiqizweni nasezinqubweni ezisekelwe kuzimiso*
7566 *zesayensi eziphusile. Kuyadabukisa ukuthi ubungcweti babonwa njengobusayensi kuphela*
7567 *uma buseNtshonalanga. Ubungcweti besayensi obuthuthukiswe kumasiko ethu behlisiwe futhi*
7568 *bashaywa indiva iminyaka eminingi. Izindaba ezinhle ukuthi ukwethulwa kwenqubomgomo*
7569 *kanye noMthetho we-IKS kulethe ukukhanya ekugcineni komhubhe ukuze kuqinisekiswa*
7570 *ukuthi ulwazi lwethu luhlangana nezinye izinhlelo zolwazi ngaphandle kokubandlulula.”*

7571

7572 He indicated that the ATHPs' knowledge focused on scientific work based in rural and local
7573 communities for generations. Although it differed from the Western empirical system based in
7574 laboratories, our traditional knowledge is equally valid and very effective. This knowledge has
7575 developed from understanding and documenting the processes in nature. An iteration of practices
7576 over time has led to products and processes based on sound scientific principles. Unfortunately,
7577 expertise was recognized as scientific only if it was Western. The scientific expertise developed in
7578 our cultures has been discounted and ignored for many years. The good news is that the introduction
7579 of the IKS policy and Act brought a light at the end of the tunnel to ensure that our knowledge
7580 interfaces with other knowledge systems without discrimination.

7581

7582 African Traditional Health Practitioners interviewed also believed that there is a need to harmonize
7583 the African traditional medicine systems of governance with the government-formulated policies and
7584 legal frameworks passed at different levels of government. On the issue of the sustainability of TM,
7585 Ubaba Mbotho from the uGu district Municipality had the following to say:

7586

7587 *“Izikhungo zezimakethe zendawo kanye nokuhweba nge-TM kuyanda. Kodwa-ke, ubukhulu*
7588 *balokhu kuhwebelana kule miphakathi kanye nezinhlelo zayo zokuphatha akukacaci futhi*
7589 *akukacaci kahle futhi akunamaphepha. Kukhona ukuvuna okusimeme okulinganiselwe*
7590 *kokunikezwa njalo kwemithi yesintu. Lokhu kungafezwa ngokugqugquzela kanye*
7591 *nokuphoqelela izinqubo ezisimeme emiphakathini yendawo kusukela ekongiweni kwemvelo,*

7592 *ukulima, ukuvuna okufanele, ukuhwebelana okulawulwayo, kanye nokusetshenziswa*
7593 *okulawulwayo. Lokhu kudinga uhlelo lokubusa oluzinzile oluhlelekile oluhlanganisa*
7594 *ukubandakanywa kobuholi bendabuko.”*

7595

7596 Local market centres and trade on TM are increasing. However, the magnitude of this trade in these
7597 communities and their governance systems is still unclear and remains largely undocumented. There
7598 is limited sustainable harvesting for a regular supply of traditional medicines. This can be achieved
7599 through promoting and enforcing sustainable practices in the local communities, ranging from
7600 conservation, cultivation, proper harvesting, regulated trade, and controlled use. This required a well-
7601 structured sustainable governance system, including the active involvement of traditional leadership.

7602

7603 Ubaba Funani, one of the THPs’ clients who happened to be also an Official from the KZN provincial
7604 government, indicated:

7605

7606 *“Ngokuhambisana nemithetho yamazwe ngamazwe ye-Nagoya Protocol ka-2010, emayelana*
7607 *nokuphathwa kwezinsiza zokwelapha zeNdabuko kanye nezakhi zofuzo, eyakhelwe phezu kwe-*
7608 *Convention on Biological Diversity (CBD) ekhuthaza ukuhwebelana nokwabelana ngolwazi*
7609 *lwendabuko oluphethwe imiphakathi yendawo futhi iyaqaphela. ukubaluleka kokwabelana*
7610 *ngokulinganayo nokulinganayo kwemithombo yofuzo etholakalayo. I-Nagoya Protocol*
7611 *ikhuthaza intuthuko esimeme kanye nokongiwa kwezinhlobonhlobo zezinto eziphilayo futhi*
7612 *ngaphezu kwalokho, ibona ukubaluleka komthetho wesintu kanye nemvume enolwazi*
7613 *kusengaphambili yamalungu emiphakathi yendawo eyimithombo eyinhloko yolwazi*
7614 *lwendabuko noma ulwazi lwendabuko. I-Nagoya Protocol isungula uhlaka olusiza*
7615 *abacwaningi ukuthi bafinyelele izinsiza zofuzo zocwaningo lwe-biotechnology,*
7616 *ukuthuthukiswa, neminye imisebenzi, ukuze bathole isabelo esifanelekile sanoma yiziphi*
7617 *izinzuzo ekusebenziseni kwabo. imiphakathi yendawo ingathola izinzuzo ngohlaka lomthetho*
7618 *oluhlonipha ukubaluleka kolwazi lwendabuko oluhlobene nemithombo yofuzo.”*

7619

7620 According to him, in line with international protocols on the Nagoya Protocol of 2010 on the
7621 governance of Traditional medicinal and genetic resources, which builds on the Convention on
7622 Biological Diversity (CBD), advocates for the exchange and sharing of indigenous knowledge held
7623 by local communities and acknowledges the importance of fair and equitable sharing of available
7624 genetic resources. The Nagoya Protocol promotes sustainable development and conservation of
7625 biological diversity and recognizes the importance of customary law and prior informed consent of
7626 members of local communities who are key sources of indigenous or traditional knowledge. The

7627 Nagoya Protocol establishes a framework that helps researchers access genetic resources for
7628 biotechnology research, development, and other activities in return for a fair share of any benefits
7629 from their use. Indigenous and local communities may benefit from a legal framework that respects
7630 the value of traditional knowledge associated with genetic resources.

7631

7632 Ubaba Kgabu, one of the ATHPs from uMkhanyakude, who was familiar with the IKS policy (2004)
7633 and IKS Act (2019), said in IsiZulu:

7634

7635 *“Njengomsebenzi wobuciko bethu bokuphulukisa okhokho, ngibona ukuthi iNqubomgomo*
7636 *Yezinhlelo Zolwazi Lomdabu waseNingizimu Afrika (2004) kanye noMthetho Wezinhlelo*
7637 *Zolwazi Lomdabu (No. 6 ka-2019) ithinta ngokujulile ingqikithi yesiko lethu. Lezi zindaba*
7638 *eziyingqophamlando zenqubomgomo, emehlweni ami, zikhombisa ukuvumelana ngamabomu*
7639 *kanye nemibono eyamukelwa yi-Nagoya Protocol yowezi-2010 - ikhampasi yomhlaba wonke*
7640 *eqondisa ubuphathi bethu kanye nokusetshenziswa kwezinsiza zethu zokwelashwa*
7641 *kwendabuko kanye nezofuzo osekuhlonishwe isikhathi eside.”*

7642

7643 He believed that as a practitioner of ancestral healing arts, he understood that the South African
7644 Indigenous Knowledge Systems Policy (2004) and Indigenous Knowledge Systems Act (2019)
7645 resonate deeply with the essence of African traditions. These policy and legal frameworks mirrored
7646 a deliberate harmony with the ideals embraced by the Nagoya Protocol 2010. This global compass
7647 guides the utilization of Traditional Medicinal and Genetic Resources.

7648

7649 It was evident above that the recognition of scientific expertise had historically been limited to
7650 Western, standardized, and homogeneous knowledge systems, neglecting the vast body of knowledge
7651 developed in diverse societies and cultures. This knowledge, called indigenous knowledge, has been
7652 accumulated over generations of scientific work conducted in rural and tribal communities. Despite
7653 being different from the Western system of empirical, lab-based science, indigenous knowledge is
7654 equally valid and effective, having been developed through understanding and documenting natural
7655 processes and iterating practices over time based on sound scientific principles. The Indigenous
7656 Knowledge Systems (IKS) Policy (2004) provides a framework to promote and enhance the
7657 contribution of indigenous knowledge to social and economic development in the country. One of the
7658 main drivers of IKS Policy in South Africa is its interface with other knowledge systems. For
7659 example, indigenous knowledge is used with modern biotechnology in the pharmaceutical and other
7660 sectors to accelerate innovation. The placement of the IKS policy under the DSI is intentional and
7661 appropriate since it is responsible for scientific research in South Africa, including space programs.

7662

7663 From the research participants point of view, it was evident that the South African Indigenous
7664 Knowledge Systems Policy (2004) and the IK Act (2019) reflect a strategic alignment with the
7665 principles enshrined in the Nagoya Protocol of 2010, which serves as a pivotal international
7666 instrument governing the management and utilization of Traditional Medicinal and Genetic
7667 Resources. The Nagoya Protocol provides a comprehensive framework that facilitates the responsible
7668 exploration of genetic resources for biotechnological research and development. It also emphasizes
7669 the necessity of ensuring a just and equitable distribution of benefits resulting from their exploitation.

7670

7671 At its core, the Nagoya Protocol represented a collective effort to address the historical imbalances
7672 and potential exploitation that have often characterized the interaction between researchers,
7673 biotechnological enterprises, and indigenous and local communities possessing invaluable traditional
7674 knowledge and genetic resources. It stands as a testament to the international community's recognition
7675 of the intrinsic value of indigenous knowledge systems and genetic resources, emphasizing the
7676 importance of respecting and honouring the rights and interests of these communities.

7677

7678 One fundamental tenet of the Nagoya Protocol was the establishment of a fair and equitable sharing
7679 of benefits from using genetic resources. This concept acknowledges that using genetic resources,
7680 often for commercial purposes, should not occur at the expense of indigenous and local communities
7681 who have safeguarded these resources and associated traditional knowledge for generations.
7682 Accordingly, the Protocol calls for the negotiation of mutually agreed terms between the parties
7683 involved, ensuring that the benefits derived from the utilization of genetic resources are shared in a
7684 manner that is not only just but also recognizes the cultural and societal contributions of the
7685 indigenous and local communities.

7686

7687 The Indigenous Knowledge Systems Act (No. 6 of 2019) is an essential legislation that seeks to
7688 protect and promote indigenous knowledge in South Africa. The act recognizes the value of African
7689 traditional medicine and aims to promote its use while ensuring that it is safe and effective.
7690 Establishing the Traditional Health Practitioners Council is a significant step towards regulating
7691 traditional health practitioners, including those who practice African traditional medicine. The
7692 promotion of African traditional medicine is crucial in the preservation of indigenous knowledge and
7693 cultural heritage.

7694

7695 The alignment of the South African IKS policy and Act with the principles of the Nagoya Protocol
7696 reinforces the country's commitment to fostering a more equitable and harmonious relationship

7697 between the scientific community, biotechnological entities, and indigenous and local communities.
7698 The policy underscores the importance of respecting and protecting traditional knowledge and genetic
7699 resources, preserving cultural heritage, biodiversity, and sustainable development. Section 1.4 of the
7700 Indigenous Knowledge Systems (IKS) Policy expounds on integrating IKS with other knowledge
7701 systems. Such integration provides crucial opportunities for developing novel products and services,
7702 which should not be underestimated (IKS Policy, 2004:15).

7703

7704 The confluence of the South African Indigenous Knowledge Systems Policy and the Nagoya Protocol
7705 underscores a progressive and forward-looking approach that recognizes the need to balance scientific
7706 advancement with preserving African cultural identity and community well-being. This symbiotic
7707 relationship has the potential to pave the way for collaborative research endeavours that honour the
7708 principles of mutual respect, fairness, and shared benefits, ultimately contributing to the broader goals
7709 of global sustainability and intercultural understanding.

7710

7711 **7.8 Chapter Summary**

7712 This chapter presented and discussed the views of the research participants and local community
7713 members, both ATHPs and their clients, about integrating African traditional medicine into the public
7714 healthcare system in South Africa. Moreover, the chapter examined the perspectives of community
7715 members at the local level regarding African traditional medicine and government policy and legal
7716 frameworks.

7717

7718 Despite its prevalence, African traditional medicine often operates outside the formal healthcare
7719 system, creating regulation, standardization, and collaboration challenges. The opinions expressed by
7720 the research participants highlight the complex nature of integrating traditional and modern medicine
7721 and underscore the need for cautious collaboration. While concerns about physical health risks were
7722 valid, the avenue of collaboration and integration presents an opportunity to harness the strengths of
7723 both approaches and provide patients with a more comprehensive and effective healthcare experience.

7724

7725 The opinions of ATHPs concerning the two-way referral system illuminated the complicated tapestry
7726 of healthcare perceptions and practices. The coexistence of traditional healing practices and modern
7727 medical interventions underscores the need for a nuanced and flexible approach to healthcare
7728 delivery. Integrating traditional and modern medical practices within a comprehensive referral system
7729 can shape a more inclusive, culturally sensitive, and holistic healthcare landscape by fostering
7730 collaboration, understanding, and a shared commitment to patient well-being. However,

7731 implementing a two-way referral system faces challenges that warrant attention. Cultural sensitivities,
7732 communication barriers, and differences in diagnostic and treatment philosophies could impede
7733 effective collaboration. To navigate these challenges, it is imperative to engage in cross-disciplinary
7734 dialogue, develop culturally competent training programs, and establish guidelines for ethical and
7735 respectful cooperation between traditional healers and medical doctors.

7736

7737 Integrating African traditional medicine into the public health care system in South Africa requires
7738 comprehensive policies that reflect community perspectives, ensure legal recognition, and promote
7739 collaboration between ATHPs and biomedical practitioners. By incorporating traditional medicine
7740 into existing healthcare frameworks, South Africa can foster a more inclusive and culturally sensitive
7741 healthcare system that respects and integrates the diverse healing traditions of its communities.
7742 Through research, education, and collaboration, South Africa can create a balanced and effective
7743 healthcare system that improves health outcomes and promotes the well-being of all its citizens.

7744

7745 The opinions of users of traditional medicine in South Africa demonstrate diverse perspectives on the
7746 governance practices of both traditional medicine and Western medicine. While traditional medicine
7747 governance fosters cultural relevance, trust, and accessibility and has improved traditional health
7748 practitioners' credibility and safety, it faces integration and standardization challenges. In contrast,
7749 Western medicine governance provides evidence-based practices and specialized expertise, but some
7750 users perceive it as culturally detached and financially inaccessible.

7751

7752 The two systems need increased collaboration and understanding to achieve a more holistic healthcare
7753 approach, encouraging mutual respect. By recognizing the strengths of traditional and Western
7754 medicine governance practices and addressing their shortcomings, South Africa can foster a more
7755 inclusive and effective healthcare system for all its citizens. Additionally, increasing government
7756 investments in education and research for traditional medicine can enhance its governance practices,
7757 promoting a more holistic approach to healthcare for all citizens. Ultimately, a balanced and
7758 respectful coexistence between traditional and Western medicine is crucial for ensuring the well-
7759 being of South Africa's diverse population.

7760

7761 African Traditional Health Practitioners offer a unique perspective on healthcare, providing valuable
7762 insights into holistic healing practices deeply rooted in cultural traditions. It is, therefore, essential to
7763 bridge the gap between traditional healing methods and the modern healthcare system, recognizing
7764 and respecting the contributions of traditional healers. By promoting collaboration, cultural
7765 sensitivity, and patient autonomy, hospitals can embrace a more inclusive approach to patient care,

7766 enhancing overall health outcomes and fostering a deeper appreciation for our world's rich diversity
7767 of healing practices. As the healthcare landscape evolves, further research and dialogue will be crucial
7768 in shaping informed practices and policies prioritising patient well-being.
7769
7770

Chapter Eight: Conclusion and Recommendations

7771

8.1 Introduction

7772

7773 This is the concluding chapter of the research study. It presents the research purpose, findings,
7774 conceptual and methodological contributions of the study to African Indigenous Knowledge Systems
7775 on African traditional medicine and healing systems and the recommendations regarding
7776 implementing the Indigenous Knowledge Systems Policy (2004) within the context of African
7777 Traditional Medicine in the case study areas. Following a participatory and case study methodological
7778 framework, based on uGu and uMkhanyakude District Municipalities in KwaZulu-Natal province,
7779 South Africa, the study investigated the following comparative aspects: the cultural significance of
7780 socio-economic and -demographic variables of research participants from the Zulu people's
7781 perspective in the two ecologically different study areas; the local community members' knowledge,
7782 awareness, and perceptions on indigenous knowledge systems in the context of the African traditional
7783 medicine (ATM) policy landscape in south Africa including their awareness and perceptions of
7784 international policy frameworks on traditional medicine; local community members' perceptions on
7785 the integration of African traditional medicine into the public health care system in South Africa. The
7786 study findings and recommendations are outlined below.

7787

8.2. The Study Findings

7788

7789 The concluding aspects of the findings were based on the comparative study as outlined and discussed
7790 in the following sections.

7791

8.2.1 African Traditional Medicine and Healing Systems as Culturally and Ecologically Specific

7792

7793 An investigation into the comparative socio-economic and demographic variables, i.e., age group,
7794 gender, marital status, and religious affiliations variables, etc. of the participant ATHPs and their
7795 clients, from the Zulu cultural perspectives in the two municipal districts of KwaZulu-Natal province
7796 revealed the following concluding aspects from the study:

7797

7798 The majority of the ATHPs research participants in both district municipalities were in the age groups
7799 of 50-59 and above. Most of their clients in both districts were in the age groups of 40-49 and below.
7800 This implies that the ATHPs clients were mostly younger than the ATHPs' research participants.
7801 Higher age in ATHP was associated with wisdom and experience in the profession of traditional
7802 medicine and healing practices. Elderly ATHPs were considered by both as custodians of these
7803 community-based knowledge systems. The gender distribution of the ATHP research participants and

7804 their clients showed that the majority of them, in both district municipalities, were female. In the case
7805 of the ATHPs, this was attributed to the fact that the identification and selection of the ATHPs were
7806 not limited to those who are professionally known at the community level. It included others who
7807 were predominantly women.

7808

7809 Most of the participant ATHPs' clients in both district municipalities were females. Women were the
7810 local community caregivers, and in a situation of limited conventional healthcare services, they
7811 depended on traditional medicine for family members' healthcare.

7812

7813 The majority of the ATHP research participants and their clients were married. The high-regard
7814 community leaders influenced the size of married people in the study samples for married people who
7815 were considered knowledgeable of the local communities' traditions, customs, and value systems,
7816 including appreciation of indigenous knowledge about traditional medicine and healing systems.
7817 Marriage gave one respect in the community as a rite of passage in one's life. It was culturally viewed
7818 as an outstanding achievement for both men and women in the community, recognized by ancestors,
7819 even in rituals related to traditional medicine and healing practices. It defined the inception of the
7820 socially putative time for childbearing. Among the Zulu, marriage as an institution sets childbearing
7821 for both men and women. Like in other African traditional cultural communities, the institution of
7822 marriage is established as the socially acceptable context for childbearing. This perspective on marital
7823 status does not exist in the Western conceptualization of marriage as a statistical socio-economic
7824 demographic variable. Among the Zulu traditional communities, marriage is regarded as the
7825 institution that ascribes honour and dignity to women in their families and the wider society. Outside
7826 of marriage, the honour of a woman of marriageable age is highly compromised. The study also
7827 looked at the issue of the religious affiliation of the research participants. This was based on the
7828 consideration that traditional religion is an integral part of African spirituality, traditional medicine,
7829 and healing practices.

7830

7831 ***8.2.2 Local Community Members' Knowledge and Awareness of National and International*** 7832 ***Traditional Medicine Policy Landscapes***

7833 The comparative examination of the local community members' knowledge, awareness, and
7834 perceptions regarding indigenous knowledge systems and the African traditional medicine policy
7835 landscape in South Africa revealed the following concluding remarks:

7836

7837 Most of the ATHP research participants and their clients (male and female) in both study district
7838 municipalities were unaware of the National IKS Policy (2004). It was expressed that the National
7839 IKS Policy (2004) promotion and implementation has been predominantly a national imperative.
7840 There were still limited, if any, provincial and local structures established to build knowledge and
7841 awareness of the IKS National Policy among people at the grassroots level (2004). Furthermore, they
7842 were unaware of the International Policy and Legal Frameworks on Traditional Medicine. There was
7843 the concern expressed by both participant ATHPs and their clients that despite the high value of AIKS
7844 placed by community members, especially on the significance of ATM, nobody from the government
7845 had come to the community to talk and explain about IKS and International policies and legal
7846 frameworks on the same traditional medicine on which the majority of the population continue to rely
7847 on to meet their primary healthcare needs. The majority were willing to learn more about National
7848 and International Policy Frameworks on Indigenous Knowledge about African Traditional Medicine,
7849 including the IKS policy and legal frameworks.

7850

7851 ***8.2.3 Governance and Management of African Traditional Medicine and Healing Systems in*** 7852 ***Local Communities***

7853 On governance and management of African traditional medicine and healing systems in the study
7854 areas, especially on their challenges and prospects, the following: Traditional medicine and healing
7855 systems governance practices were important in local community-based knowledge systems and
7856 practices. They were culturally and traditionally shaped by the local communities' socio-cultural
7857 beliefs and value systems, which were inclusive and accessible. In contrast, conventional Western
7858 medical practice governance systems and practices were top-down and alien to local communities'
7859 cultural beliefs and value systems, including attitudes towards traditional medicine and healing
7860 practices.

7861

7862 Most participant ATHPs' male and female clients in both study district municipalities used traditional
7863 medicines. This was attributed to the relative ease of access and affordability compared to
7864 conventional medicines. Women and children were frequently vulnerable to illnesses and consulted
7865 traditional healthcare practitioners more frequently than men due to ease of accessibility and
7866 affordability. The significance and relevance of traditional African medicine in local communities'
7867 healthcare increased due to the absence of modern healthcare services. Hence, African Traditional
7868 Healthcare Practitioners (ATHPs) provided the earliest medical care in the local communities,
7869 especially for underprivileged women and their family members.

7870

7871 The study looked at the local community attitudes toward the preservation, protection, and
7872 beneficitation of traditional medicine. This was based on the fact that one of the fundamental
7873 characteristics of indigenous knowledge is its predominantly oral nature and exists in the minds of
7874 the local people who use it daily. In most African local communities, indigenous knowledge systems
7875 constitute the basis for decisions about food security, human and animal health, education, peace and
7876 security, natural resource management, and other crucial social practices. However, most of the
7877 participant ATHPs and their clients (male and female) in both study district municipalities were
7878 unaware. They did not know the IK Act (2019) concerning protecting African traditional medicine
7879 and associated knowledge systems. The study was also interested in establishing the knowledge and
7880 awareness of the participant ATHPs and their clients on The National Recordal System: A Framework
7881 for Digitalization of African Indigenous Knowledge Systems in African Local Communities in South
7882 Africa. The study found that most of the research participants, ATHP (male and female) in both study
7883 district municipalities, were aware of the IKS Documentation Centre at the University of KwaZulu-
7884 Natal and its functions.

7885

7886 ***8.2.4 Integration of African Traditional Medicine into The Public Health Care System: Local*** 7887 ***Community Perspectives***

7888 An investigation into the comparative willingness of research participants to integrate African
7889 traditional medicine and Western medical care systems revealed the following: Most of the research
7890 participants consulted both a traditional healer and a Western healthcare provider when sick. They
7891 believed that the two healthcare systems treated different illness categories most effectively.
7892 Traditional medicine and healing systems were effective in mystic diseases in the form of mental and
7893 emotional conditions. The cultural and linguistic differences associated with Western medicine made
7894 African cultural communities, especially women, prefer African traditional medicine and healing
7895 systems. The differences in diagnosis and treatment of traditional and Western medicines led some
7896 patients to utilize the two healthcare systems differently. Some patients would go to the hospital for
7897 a diagnosis and later go to a traditional healer for treatment as well, based on the belief that the
7898 hospital had the strength of technology and science for an accurate diagnosis, but was at the same
7899 time seen as more expensive and less effective for certain diseases.

7900

7901 ATHPs who were cautious about integrating the two healthcare systems expressed their concerns
7902 about the standardization and regulation of their practices. They were worried about the potential for
7903 misrepresentation or misunderstanding of their healing methods within a hospital environment.
7904 Hence, they emphasized the need for proper regulation and ethical guidelines before any integration

7905 could take place. They expressed a good understanding of the importance of ensuring patient safety
7906 and quality of care. These ATHPs expressed the need for clear guidelines, ethical frameworks,
7907 training, certification, and appropriate licensing so that those practicing traditional healing within
7908 hospitals have the necessary skills and knowledge. This is to help ensure a safe and effective
7909 integration of traditional healing practices into hospitals.

7910

7911 However, some ATHPs believed their healing practices were deeply rooted in cultural and spiritual
7912 traditions and holistic approaches, including a profound understanding of the mind-body connection.
7913 They believed that illness was often the result of an imbalance in all these aspects of a person's life
7914 and that healing requires restoring harmony and balance. This holism of health and illness tended to
7915 be absent in the conventional medicinal systems. Therefore, within a hospital setting, where the focus
7916 is primarily on the physical nature of a disease, the profound wisdom of ATHPs may be overlooked
7917 or misunderstood. Hence, integration might misrepresent or misunderstand ATM and healing
7918 systems, especially in hospitals.

7919

7920 Furthermore, traditional medicine tended to be cheaper, easily accessible, and less of a hassle, and
7921 traditional healers were more caring than their Western counterparts. This is even though Western
7922 medicine had the advantage of modern technologies for quick diagnosis and controlled treatment.
7923 Western medicine was considered better with health challenges that required surgery and severe
7924 illnesses that required emergency care.

7925

7926 However, some ATHPs expressed that setting up ATHPs' rooms in clinics and hospitals could pose
7927 operational challenges. Among these challenges was that their practices could be assimilated, diluted,
7928 or altered to fit within a hospital environment or structures of medical institutions dominated by
7929 Western medical practices. The worry was that their indigenous, unique cultural practices associated
7930 with ATM and healing practices, which are holistic and culturally sensitive, could be overshadowed
7931 by Western medical practices. Traditional practices will lose their authenticity and cultural
7932 significance if they become part of a mainstream public healthcare system. These ATHPs advocated
7933 for maintaining the authenticity and integrity of their healing methods outside the hospital setting,
7934 preserving their traditional knowledge and rituals passed down through generations.

7935

7936 **8.3 Conceptual and Methodological Contribution of the Study to Indigenous Knowledge on**
7937 **African Traditional Medicine**

7938 The study's primary objective was to contribute to the emerging scholarly body of knowledge on IKS
7939 policy challenges and prospects in promoting African Traditional Medicines (ATM) and Healing
7940 practices (HPs).

7941

7942 This research adopted a methodology that prioritized their active participation as subjects rather than
7943 passive objects to underscore the significance of African Indigenous knowledge systems and the
7944 involvement of Zulu indigenous knowledge custodians, particularly African Traditional Health
7945 Practitioners, alongside their clients who use traditional medicine. Employing interactive mixed
7946 research methods such as interviews and focus group discussions constituted the primary means of
7947 data collection. These methods facilitated direct engagement, allowing knowledge custodians and
7948 practitioners to actively interact and express their insights and perspectives to the researcher.

7949

7950 The study also brought a new cultural-specific approach to conceptualizing research participants'
7951 socio-economic and demographic characteristics, such as age groups, gender, marital status, and
7952 religious affiliations. These have always been investigated as statistical variables without looking at
7953 their cultural significance to the research community about the research problem. In the context of
7954 exploring the challenges and prospects of the South African National IKS Policy (2004) with a special
7955 focus on Traditional Medicine and Healing Practices (TMHP) among the Zulu people of KwaZulu-
7956 Natal South Africa, the socioeconomic and demographic information of the research participants does
7957 not merely serve to provide information about them but endeavours to uncover the indigenous cultural
7958 meanings attached to these characteristics in the research community. As such, this study interpreted
7959 the demographic information from the Zulu cultural perspective, thereby incorporating the socio-
7960 cultural and spiritual meanings attached to the variables.

7961

7962 The study employed several interconnected theoretical frameworks to promote African scholarship
7963 on AIKS, focusing on ATM and healing practices, including social cognitive learning, mythology,
7964 and policy implementation. These concepts work together to ascertain the significance of cultural and
7965 ecological diversity in African Traditional Medicine, supporting traditional medicine practices in
7966 South Africa. These conceptual and theoretical frameworks were chosen for the study to investigate
7967 their application and relevance to Zulu's local community-based worldviews, ways of knowing, value
7968 systems, and approaches to knowledge production in the context of ATM and healing practices.

7969

7970 Hence, this integrated framework helps inform the development of policies and programs that support
7971 the preservation, recognition, and integration of traditional medicine into modern healthcare systems.
7972 It can also contribute to a better understanding of traditional healing practices' cultural and historical
7973 foundations, enhancing their acceptance and effectiveness. Additionally, involving traditional healers
7974 and local communities in policymaking can help bridge the gap between traditional medicine and
7975 modern healthcare, leading to more holistic and culturally sensitive healthcare services. This
7976 comparative study contributes to ongoing discussions aimed at establishing an appropriate framework
7977 that effectively protects the fundamental features of indigenous knowledge while ensuring access to
7978 this vital resource, upon which most African people rely for healthcare and sustainable livelihoods.
7979 Such an inclusive framework would ultimately strike a balance between protecting indigenous
7980 knowledge and promoting its responsible utilization for the benefit of all parties involved.

7981

7982 **8.4 Recommendations**

7983 Because substantial numbers of ordinary people in African local communities, including the study
7984 areas, consulted ATHPs for primary healthcare, this study suggests the great need for more
7985 comparative, culturally and ecologically specific research studies to understand the significance of
7986 this healthcare and associated local community-based knowledge systems, as part of advancing
7987 healthcare, social and epistemic justice.

7988

7989 The limited knowledge and awareness of the different stakeholders, including ATHPs in policy
7990 frameworks related to IKS and ATM, calls for a deeper investigation of specific challenges commonly
7991 encountered by ATHPs and their clients throughout South Africa. This investigation should include
7992 the implications for policy development and implementation. A critical review of existing legislation
7993 and active engagement with relevant policymakers on the challenges of integrating African traditional
7994 medicine into the public healthcare system is recommended for future studies.

7995

7996 The significance of protecting African indigenous knowledge, including Traditional Medicine,
7997 associated resources, and knowledge systems, was emphasized. This was meant to guard this valuable
7998 knowledge system as a knowledge domain in its own right. The majority of people in marginalized
7999 communities depend on it for sustainable livelihood. It needed to be protected against
8000 misappropriation, misuse, and unfair competition. This will, in turn, ensure access and benefit sharing
8001 for local communities. Promoting indigenous knowledge also has policy implications and epistemic
8002 justice imperatives, as it enables policy-makers and other development agencies to comprehensively

8003 understand African indigenous world views, cultures, the environment, and the social, health, and
8004 economic conditions of African people and the nature of their traditional communities.

8005

8006 The acceptance of local communities to integrate African traditional medicine and Western healthcare
8007 systems implies the need for the two healthcare systems to work together for improved and effective
8008 local community healthcare. The government is responsible for developing strategies, including
8009 knowledge awareness, to bring these two healthcare systems closer. However, the government should
8010 ensure that the associated indigenous knowledge systems of the local communities are protected and
8011 preserved for sustainable futures. Local community members articulated several suggestions as
8012 ATHPs and their clients if the two systems are to work together for improved public healthcare:

8013

8014 (i) Healthcare providers from both systems could send patients to practitioners of the other
8015 healthcare system when they think the other might be able to treat a patient more
8016 effectively. This could provide opportunities for both systems to share and learn specific
8017 healthcare techniques and value systems from each other. For instance, ATHPs learn about
8018 hygiene and the importance of accurate dosage to use both or avoid negative interactions
8019 between treatments. Hence, we must understand each other's strengths and limitations in
8020 providing public healthcare to local communities. This includes conventional medical
8021 practices building on traditional African medicine and healing practices in terms of being
8022 local, community-based, accessible, culturally acceptable, and affordable, making
8023 conventional medicine more effective, culturally relevant, and sustainable.

8024

8025 (ii) It was suggested that if a person chooses to use remedies from both systems, it would be
8026 better to use one after the other treatment was completed. However, due to divergent views
8027 on the issue, further research was recommended since the impact of the interactions of the
8028 medicines from the two systems was still not even understood by the medical doctors and
8029 ATHPs themselves.

8030

8031 (iii) Fostering communication and cooperation between practitioners of both healthcare
8032 systems allows one to establish a comprehensive and holistic patient care model of public
8033 healthcare. This collaborative approach would enable healthcare professionals to draw
8034 upon the strengths of both traditional and modern medicine, ensuring that treatments are
8035 tailored to individual patient needs while minimizing the potential risks associated with
8036 combining these approaches.

8037

8038 (iv) The insights gained from this research underscore the importance of a well-informed and
8039 balanced approach to concurrently using traditional and modern medicines. As healthcare
8040 systems evolve and diversify, practitioners, researchers, and policymakers must
8041 collaborate to develop guidelines and protocols prioritising patient safety and well-being.
8042 By acknowledging the benefits and risks of both treatment modalities and fostering
8043 integration within a framework of evidence-based practice, healthcare providers can
8044 enhance the quality of patient care, seeking a harmonious blend of traditional and modern
8045 medical approaches. The associations of traditional healers that already exist in South
8046 Africa, as was the case in conventional medical professions, were a good starting point
8047 because they enable ATHPs to check on each other to be sure that all members are
8048 competent. The RPL would enhance this contained in the IK Act (2019).

8049

8050 However, the ATHP research participants raised the concern that while they recognized that research
8051 into ATMs was essential for ensuring access to safe and effective treatments, the knowledge of
8052 indigenous ATM practices and products gained by researchers could be a source of substantial
8053 benefits to companies and research institutes. The indigenous knowledge and associated resources of
8054 ATM were being harvested from local communities, appropriated, adapted, and patented by these
8055 institutions and industries, with little or no compensation to its original custodians and without their
8056 informed consent. Therefore, while research on ATM could be supported at the local community
8057 level, the government needs to protect the intellectual property rights of the ATHPs and other local
8058 community knowledge holders.

8059

8060 It was similarly indicated that collecting research data for preparing traditional remedies from
8061 medicinal plants was extremely important. The information was essential for identifying active
8062 ingredients and the intake of relevant amounts of drugs. Setting up ATHP rooms in clinics and
8063 hospitals was recommended as a critical consideration and step that could be taken to facilitate the
8064 integration of the two healthcare systems.

8065

8066 Integrating traditional healing practices into a hospital setting would have an added advantage since
8067 it could provide ATHPs with better access to a broader patient population who may benefit from their
8068 expertise. In addition, it provides a valuable opportunity for the two systems to collaborate, share
8069 knowledge, and contribute to patients' overall well-being. The ATHPs often possess extensive
8070 knowledge of herbal remedies, spiritual healing, and other traditional modalities passed down through
8071 generations. ATHPs, working alongside conventional medical professionals, provide an opportunity
8072 to contribute their unique perspectives and approaches to patient care in South Africa. Furthermore,

8073 having dedicated rooms in clinics and hospitals would give ATHPs easy access to modern diagnostic
8074 tools and technologies that clinics and hospitals provide, which can enhance their ability to assess
8075 and treat patients. The opportunity provides patients with a broader range of healthcare options,
8076 allowing them to make informed decisions about their treatment and healing journey. For some
8077 patients, this is about cultural preservation since their understanding of healthcare is deeply rooted in
8078 their cultural and spiritual heritage.

8079

8080 The ATHPs who supported this idea saw it as an affirmation of their skills and an acknowledgement
8081 of the value of traditional medicine within the broader healthcare system. This would demonstrate
8082 respect for their cultural traditions and help keep their ancestral knowledge alive by allowing ATHPs
8083 to pass down their wisdom and expertise to future generations. The ATHPs suggested that the process
8084 could involve creating specialized units or departments within healthcare institutions that offer
8085 traditional medicine services alongside modern treatments.

8086

8087 It was expressed that conventional healthcare providers, including doctors and nurses, tended to be
8088 reluctant to be educated on ATM practices and value systems. They considered their education from
8089 formal medical institutions more valuable and superior to ATM. It was, therefore, suggested that the
8090 government should initiate educational programs and courses to teach traditional medicine knowledge
8091 and skills in a structured manner to conventional healthcare providers, as was done in China and other
8092 countries. This would create the necessary cultural environment to integrate the two healthcare
8093 systems. This could include proper regulation and clear guidelines, ethical frameworks, training,
8094 certification, and appropriate licensing so those practicing traditional healing within clinics and
8095 hospitals have the necessary skills, knowledge, and cultural understanding of healthcare.

8096

8097 On the issue of ATM governance and government policy frameworks, it was recommended that there
8098 was a need to harmonize the African traditional medicine systems of governance with the
8099 government-formulated policies and legal frameworks passed at different levels of national
8100 governance. This was based on the concern that the local market centres and trade on ATMs were
8101 increasing. The magnitude of this trade in the local communities and their governance systems was
8102 still unclear, and it remained largely undocumented and not legally regulated. This compromised the
8103 sustainable harvesting of medicinal resources for a regular supply of traditional medicines in local
8104 communities. Therefore, this called for enforcing sustainable practices in the local communities,
8105 ranging from conservation, cultivation, proper harvesting, regulated trade, and controlled use. This
8106 required a well-structured sustainable governance system, including the active involvement of
8107 traditional leadership.

8108

8109 The recommendation was in line with international protocols on the Nagoya Protocol of 2010 on the
8110 governance of Traditional medicinal and genetic resources, which builds on the Convention on
8111 Biological Diversity (CBD), advocates for the exchange and sharing of indigenous knowledge held
8112 by local communities and acknowledges the importance of fair and equitable sharing of available
8113 genetic resources. The Nagoya Protocol promotes sustainable development and conservation of
8114 biological diversity and recognizes the importance of customary law and prior informed consent of
8115 members of local communities who are key sources of indigenous or traditional knowledge. The
8116 Nagoya Protocol established a framework that helps researchers access genetic resources for
8117 biotechnology research, development, and other activities in return for a fair share of any benefits
8118 from their use. Indigenous and local communities may benefit from a legal framework that respects
8119 the value of traditional knowledge associated with genetic resources.

8120

8121 The alignment of the South African IKS policy (2004) and IK Act (2019) with the principles of the
8122 Nagoya Protocol reinforces the country's commitment to fostering a more equitable and harmonious
8123 relationship between the scientific community, biotechnological entities, and indigenous and local
8124 communities. The policy underscores the importance of respecting and protecting traditional
8125 knowledge and genetic resources, preserving cultural heritage, biodiversity, and sustainable
8126 development. Section 1.4 of the Indigenous Knowledge Systems (IKS) Policy expounds on
8127 integrating IKS with other knowledge systems. Such integration provides crucial opportunities for
8128 developing novel products and services, which should not be underestimated (IKS Policy, 2004:15).

8129

8130 It was also suggested that despite being different from the Western medical system, which is lab-
8131 based science, indigenous knowledge is equally valid and effective. It has been developed through
8132 understanding and documenting natural processes and iterating practices over time based on sound
8133 scientific principles. The Indigenous Knowledge Systems (IKS) Policy provided a framework to
8134 promote and enhance the contribution of indigenous knowledge systems to social and economic
8135 development in the country. Therefore, Indigenous knowledge of ATMs should be interfaced with
8136 other knowledge and technology systems to enhance their excellence and meet contemporary health
8137 challenges in local communities. Therefore, placing the IKS policy (2004) under the DSI is
8138 intentional and appropriate since it is responsible for scientific research in South Africa, including
8139 space programs.

8140

8141 **8.5 Limitations of the study**

8142 The study has certain limitations to acknowledge. Firstly, it concentrated on just two of the ten district
8143 and metropolitan municipalities in KwaZulu-Natal, South Africa. This decision was driven by
8144 budgetary and time constraints, leading to a more contained scope. Additionally, the research is
8145 constrained in its ability to generalize findings related to the investigation of challenges and
8146 opportunities associated with the South African National Indigenous Knowledge Systems (IKS)
8147 Policy of 2004, specifically concerning the advancement and integration of African Traditional
8148 Medicines (ATM) and Healing Practices (HPs) within the intricate sociocultural and ecological
8149 context of KwaZulu-Natal province, South Africa.

8150

8151 The responses from the selected African Traditional Health Practitioners (ATHPs) and their clients
8152 reflect challenges commonly encountered by traditional health practitioners and their clients
8153 throughout South Africa. However, it's important to note that these broader issues were not
8154 extensively pursued, as they were not the primary focus of the study. Nevertheless, a nationwide
8155 research initiative would provide a more comprehensive understanding of African Traditional Health
8156 Practitioners and their clients.

8157

8158 **8.6 Chapter Summary and Implications**

8159 This chapter comprehensively summarises the primary research findings about the study's guiding
8160 research questions. Furthermore, the findings are thoroughly examined within the context of the
8161 theoretical frameworks that underpin the study. Notably, the study delineates the practical
8162 ramifications of its findings about policy and practical application.

8163

8164 In summary, the study concludes that the endeavours to advance and safeguard traditional medicine
8165 within the uGu and uMkhanyakude districts manifest alignment with the objectives outlined in the
8166 South African Indigenous Knowledge System (IKS) policy of 2004, as well as the subsequent
8167 legislation, the Indigenous Knowledge Systems Act (No. 6 of 2019).

8168

8169 Nonetheless, it becomes evident that the successful implementation of various social policies is
8170 frequently impeded by the formidable challenges posed by historical legacies rooted in the apartheid
8171 and colonial eras. Thus, it is posited that, despite the commendable ideals enshrined within the IKS
8172 policy of 2004 and the IKS Act of 2019, many existing challenges necessitate meticulous scrutiny
8173 and remediation to ensure the effective promotion and safeguarding of traditional medicine in the
8174 South African context.

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APPENDICES

Appendix 1: Informed Consent in English

Dear Participant,

My name is Wilondja Muzumbukilwa (*student number: 205525431*). I am a PhD student studying at the University of KwaZulu-Natal, Howard College campus. The title of my research is: Challenges and Prospects of the National Indigenous Knowledge Systems (IKS) Policy in promoting African Traditional Medicine (ATM) in KwaZulu-Natal, South Africa. The aim of the study is to interrogate the challenges and prospects facing the implementation of the National IKS Policy (2004) with special reference to African Traditional Medicine in KwaZulu-Natal province, South Africa. You've been purposively selected due to your knowledge and experience of ATM in the local community. I would like to interview you so as to share your knowledge and experiences on the status of ATM in the community in relation to the implementation of the National IKS Policy adopted by government in 2004.

Please note that:

- Your participation in this study is very important and voluntary. I rely on you to provide me with accurate information. The information that you provide will be used for scholarly research only.
- You have a choice to participate, not to participate, or to withdraw your participation in the research at any given time. You will not be penalized for taking such an action.
- Your views in this interview will be presented anonymously. Neither your name nor identity will be disclosed in any form in the study.
- The interview will take about 30 to 45 minutes.
- The record as well as other items associated with the interview will be held in a password-protected file accessible only to myself and my supervisors. After a period of 5 years, in line with the rules of the university, it will be disposed by shredding and burning.
- You don't have to answer any question you don't want to answer (I will skip that question and continue with the following questions).
- I would greatly appreciate your help in responding to this interview and your honest answers are very important for the research project.
- If you agree to participate please sign the declaration attached to this statement (a separate sheet will be provided for signatures)

I can be contacted at: School of Social Sciences, University of KwaZulu-Natal, Howard College Campus, Durban. Email: muzumbukilwaw@ukzn.ac.za; Cell: 0837349635

My supervisor is Professor Hassan Kaya who is located at the DST- NRF Centre in Indigenous Knowledge Systems, Westville Campus, University of KwaZulu-Natal. Contact details: email kaya@ukzn.ac.za , phone number: 0312607237

The Humanities and Social Sciences Research Ethics Committee contact details are as follows: Ms Phumelele Ximba, University of KwaZulu-Natal, Research Office, Email: ximbap@ukzn.ac.za, Phone number +27312603587.

Thank you for your contribution to this research.

Appendix 2: Informed Consent in isiZulu

Umhlanganyeli othandekayo,

Igama lami nguWilondja Muzumbukilwa (inombolo yomfundi: 205525431). Ngingumfundi we-PhD esikhungweni semfundo ephakeme eNyuvesi yaKwaZulu-Natali, e-Howard College. Isihloko socwaningo lwami yi: Izinselele kanye Nezifiso Zenqubomgomo Kazwelonke Yolwazi Lwemvelo (IKS) ekukhuthazeni i-African Traditional Medicine (ATM) KwaZulu-Natali, eNingizimu Afrika. Inhloso yocwaningo ukucubungula izinselelo namathemba abhekene nokuqaliswa kweNqubomgomo kaZwelonke ka-IKS (2004) ngokubhekiselele ngokukhethekile eMnyangweni wezoMdabu wase-Afrika esifundazweni saKwaZulu-Natali, eNingizimu Afrika. Ukhethiwe ngokuzikhethela ngenxa yolwazi lwakho nolwazi lwe-ATM (African Traditional Medicine) noma imithi yendabuko yase-Afrika emphakathini wendawo. Ngingathanda ukuxoxa nawe ukuze wabelane ngolwazi lwakho kanye nolwazi lwakho ngesimo se-ATM noma imithi yendabuko yase-Afrika emphakathini mayelana nokuqaliswa kweNqubomgomo kazwelonke ye-IKS eyamukelwe nguhulumeni ngo-2004.

Sicela wazi ukuthi:

- Ukuhlanganyela kwakho kulolu cwaningo kubaluleke kakhulu futhi ngokuzithandela. Ngithembele kuwe ukuthi unginike ulwazi olunembile. Ulwazi olunikezayo luzosetshenziselwa ucwaningo lwabafundi kuphela.
- Unelungelo lokubamba iqhaza, ukungabambi iqhaza noma ukuhoxisa ukuhlanganyela kwakho ocwaningweni nganoma yisiphi isikhathi. Ngeke ujeziswe ngokuthatha isenzo esinjalo.
- Imibono yakho kule ngxoxo izonikezwa ngokungaziwa. Igama lakho noma ubunikazi bakho ngeke kudalulwe nganoma yisiphi isimo esifundweni.
- Le ngxoxo izothatha imizuzu engama-30 kuya ku-45.
- Irekhodi kanye nezinye izinto ezihlotshaniswa nalolu daba kuzobanjwa efayeleni elivikelwe iphasiwedi elifinyeleleka kuphela kimi nakubamnenja bami. Ngemuva kweminyaka engama-5, ngokuhambisana nemithetho yunivesithi, izobe isetshenziswe ngokushisa nokushisa.
- Akudingeki uphendule noma yimuphi umbuzo ongafuni ukuwuphendula (Ngizokweqa lo mbuzo futhi uqhubeke nemibuzo elandelayo).
- Ngingayithanda kakhulu usizo lwakho ekuphenduleni le ngxoxo futhi izimpendulo zakho eziqotho zibaluleke kakhulu kulolu cwaningo locwaningo.
- Uma uvuma ukubamba iqhaza sicela usayine isimemezelo esixhunywe kulesi sitatimende (ishidi elihlukile lizohlinzekwa ngamasignesha)

Ngiyakwazi ukuxhumana naku: Isikole Sesayensi Yezenhlalakahle, iNyuvesi yaKwaZulu-Natali, i-Howard College Campus, eThekwini. I-imeyili: muzumbukilwaw@ukzn.ac.za; Iseli: 0837349635

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Imininingwane yokuxhumana yeKomidini yokuHlaliswa koLuntu neZenzhlalakahle yilezi zilandelayo: Nks. Phumelele Ximba, University of KwaZulu-Natali, Ihhovisi Lokucwaninga, I-imeyili: ximbap@ukzn.ac.za, Inombolo yocingo +27312603587.

Siyabonga ngomnikelo wakho kulolu cwaningo.

Appendix 3: Declaration (isiCelo)

I, (Full name/s and surname of participant) hereby confirm that I understand the contents of this document and the nature of the research project, and I consent to participating in the research project.

I understand that I am at liberty to withdraw from the project at any time, should I so desire. I understand the intention of the research. I hereby agree to participate.

Mina,

.....
..... (Igama/amakama nesibongo somhlanganyeli) ngalokhu ngiyakuqinisekisa lokho Nginyaqonda okuqukethwe kule dokhumenti kanye nemvelo yocwaningo lokucwaninga, futhi ngiyavuma ukuhlanganyela kulo msebenzi wocwaningo.

Nginyaqonda ukuthi nginelungelo lokuhoxa kwiphrojekthi nanoma yisiphi isikhathi, uma ngifisa. Nginyaqonda inhloso yocwaningo. Ngiyavuma ukuhlanganyela.

SIGNATURE OF PARTICIPANT
DATE (D/M/Y)
isignesha yomhlanganyeli

Usuku(Usuku/Inyanga/ Unyaka

.....
...../...../.....

Appendix 4: Focus Group Discussion Guide in English

The aim of this study is to interrogate the challenges and prospects facing the implementation of the National IKS Policy (2004) with special reference to African Traditional Medicine in KwaZulu-Natal province, South Africa.

The purpose of the National IKS Policy is to ensure that indigenous knowledge contributes to bringing about sustainable solutions to developmental challenges facing local communities. In the context of African Traditional Medicine (ATM), it is to ensure that IKS contributes to the improvement of public health care in terms of acceptability, accessibility, affordability, and availability.

We want to share your experiences and establish your views on the three themes below:

A. Status of ATM in public healthcare

1. What is the status of public health care in your local community? I.e. availability and accessibility to public health care services for community members.
2. What is the role of African Traditional Medicine in your Community? I.e. its contribution to public health care.
3. What are your views on ATM compared to Western/Modern Medicine with regard to public health care in the community: acceptability, accessibility, affordability, and availability?
4. How can the two health care systems work together to improve public health care in the community?

B. Community knowledge and perceptions toward the National IKS policy and its subsequent legislation

1. Does the community receive any support from the government and other organizations on promoting community-based knowledge systems (IKS) such as ATM ?
2. What is the community's knowledge and awareness about the National IKS Policy and its subsequent legislation?
3. How could the National IKS Policy and its subsequent legislation help the community to preserve, protect, and promote community-based knowledge systems such as ATM for improved livelihood including public health care?

C. Ecology, environment, climate, and ATM

1. How does the ATM in the community differ from that of other communities in KZN?
2. How does the ecology/environment/climate of the area impact on the specific type of ATM and healing found in your area?

3. What are the threats to ATM in the area/community?
4. What does the community do to protect ATM in the area?
5. What can the government do to assist in the preservation, protection, and promotion of ATM for improved public health care in the area?
6. What are your views about the governance and management of traditional medicine within and outside your local communities?
7. Is there anything else you want to add? (Here you can write any additional or anything else you wish to add)

THANK YOU FOR TAKING YOUR TIME TO TALK TO US.

Appendix 5: Focus Group Discussion Guide in isiZulu

IZIKHONO ZEMIBUZO UMSEBENZI WOKUXHUMANA

Inhloso yalolu cwaningo ukuhlolisisa izinselelo namathemba abhekene nokuqaliswa kweNqubomgomo kaZwelonke ka-IKS (2004) ngokubhekisela ngokukhethekile kuMnyango WezeMpilo wase-Afrika esifundazweni saKwaZulu-Natali, eNingizimu Afrika.

Inhloso yeNqubomgomo kaZwelonke ye-IKS ukuqinisekisa ukuthi ulwazi lwendabuko lunikeza ukuletha izixazululo ezizinzile ezinselele zokuthuthukiswa ezibhekene nemiphakathi yasendaweni. Kumongo we-African Traditional Medicine (i-ATM), ukuqinisekisa ukuthi i-IKS inikela ekwenzeni ngcono ukunakekelwa kwempilo yomphakathi ngokuvumelana nokwamukelwa, ukutholakala, ukutholakala nokutholakala.

Sifuna ukwabelana ngokuhlangenwe nakho kwakho bese usungula imibono yakho kulezi zihloko ezintathu ezizwakalayo:

A. Isimo se-ATM ekunakekelweni kwempilo yomphakathi

1. Isiphi isimo sokunakekelwa kwempilo yomphakathi emphakathini wakini? I.e. ukutholakala nokutholakala kwezinsizakalo zokunakekelwa kwezempilo zomphakathi kumalungu omphakathi.
2. Iyiphi indima ye-African Traditional Medicine emphakathini wakho? I.e. umnikelo wayo ekunakekelweni kwempilo yomphakathi.
3. Uyini imibono yakho nge-ATM uma kuqhathaniswa neMithi YaseNtshonalanga / Yamanje mayelana nokunakekelwa kwempilo yomphakathi emphakathini: ukwamukelwa, ukufinyeleleka, ukukhokhela nokutholakala?
4. Lezi zihlelo ezimbili zokunakekelwa kwempilo yomphakathi emphakathini? zingasebenza kanjani ndawonye ukuthuthukisa ukunakekelwa kwempilo yomphakathi emphakathini?

B. Ulwazi lomphakathi nemibono mayelana nenqubomgomo kazwelonke ye-IKS kanye nomthetho wayo olandelayo

1. Ingabe umphakathi uthola noma yikuphi ukusekelwa okuvela kuhulumeni nakwezinye izinhlangano ekukhuthazeni izinhlelo zokufunda umphakathi (IKS) njenge-ATM?
2. Luthini ulwazi nokuqwashiswa kwabantu emphakathini mayelana nenqubo mgomo kazwelonke ye-IKS kanye nomthetho wayo olandelayo?
3. Inqubomgomo kazwelonke ye-IKS kanye nomthetho wayo olandelayo ingasiza kanjani umphakathi ukuba ulondolozwe, uvikele futhi ukhuthaze izinhlelo zokwazisa umphakathi ezifana ne-ATM ukuze kuthuthukiswe ukuphila okubandakanya ukunakekelwa kwempilo yomphakathi?

C. Ecology, imvelo, isimo sezulu kanye ne-ATM

1. I-ATM emphakathini ihluke kanjani komunye wemiphakathi e-KZN?
2. I-ecology / imvelo / isimo sezulu yendawo ingathinta kanjani uhlobo oluthile lwe-ATM nokuphulukiswa okutholakala endaweni yakini?
3. Yiziphi izinsongo ku-ATM endaweni / komphakathi?

4. Yini umphakathi owenzayo ukuvikela i-ATM endaweni?
5. Uhulumeni angenzani ukuze asize ekuvikelweni nasekukhuthazeni i-ATM ukuze kuthuthukiswe ukunakekelwa kwempilo yomphakathi endaweni?
6. Uthini umbono wakho ngokubusa nokuphathwa kwemithi yesintu ngaphakathi nangaphandle kwemiphakathi yangakini?
7. Noma yini enye ofuna ukuyengeza? (Lapha ungabhala noma yikuphi okunye okufisa ukufaka khona)

SIYABONGA NGOKUTHATHA ISIKHATHI SAKHO UKUKHULUMA NATHI.

**Appendix 6: Questionnaire for Traditional Healers (English) and Imibuzo
Kubaphili/Inyanga Bendabuko (isiZulu)**

Questionnaire identification number (Inombolo yokuhlonza umbuzo):
 Date (dd-mm-yyyy) Usuku(Usuku/Inyanga/ Unyaka:
 Site/Community/District (Indawo / Umphakathi / Wesifunda)
 Language (Ulimi):
 Recording (Ukurekhoda):
 Remarks (Amazwi):

Signature of the interviewer that a verbal/written consent was obtained (Isiginesha somuntu obuza imibuzo ukuthi kutholakale imvume yokubhala / ebhaliwe)

SECTION I: SOCIO-DEMOGRAPHIC CHARACTERISTICS OF TRADITIONAL HEALER / ISIGABA I: IMIPHAKATHI ZABAPHILI/YEZINYANGA ZENDABUKO

Q.N	QUESTION UMUBUZO	CODING CATEGORIES IZIGABA ZOKUBHALA IKHODI	SKIP YEQA
Q1	Gender Ubulili	Male (Owesilisa)1 Female(Owesifazane).....2	
Q2	What meaning or importance does a person's gender have in your culture? Kuyini ukubaluleka kobulili bomuntu emasikweni akho?		
Q3	Marital status Isimo somshado	Single (Ongashadile).....1 Married (Oshadile).....2 Widow/er ongumfelokazi/ umfelokazi.....3 Divorced/Separated(ohlukanisile).....4	
Q4	What meaning or importance does a person's marital status have in your culture? Ngabe isimo somshado womuntu sisho ukuthini noma kubaluleke kangakanani emasikweni akho?		
Q5	Age group Iqembu lobudala	30 to 39.....1 40 to 49.....2 50 to 59.....3 60 to 69.....4 70 to 79.....5 80 to 89.....6 90 and above (90 nangaphezulu).....7	
Q6	What meaning or importance does a person's age group have in your culture? Ngabe udala bomuntu busho ukuthini noma kubaluleke kangakanani emasikweni akho?		
Q7	Name of District Igama lesifunda	Ugu.....1 UMkhanyakude.....2	

SECTION II: STATUS OF INDIGENOUS KNOWLEDGE SYSTEMS (IKS) IN THE COMMUNITY AND NATIONAL IKS POLICY: TRADITIONAL HEALERS' PERSPECTIVES

ISIGABA II: ISIMO SEZINHLELO ZOLWAZI LWENDABUKO (IKS) EMPHAKATHINI KANYE NENQUBOMGOMO KAZWELONKE YAMA-IKS: IMIBONO YABAPHILI/YEZINYANGA ZENDABUKO

The term Indigenous Knowledge Systems (IKS) is a systematic bodies of knowledge, skills, innovations, technologies and belief systems produced locally and traditionally transmitted orally from one generation to the next for livelihood.

In 2004 the Government of South Africa adopted the National Indigenous Knowledge Systems (IKS) Policy. The main aim of IKS policy was to reverse the injustices of the past and ensure a proper recording, documentation, preservation, protecting, and promotion of IK including African traditional medicine (ATM). The policy aspires to improve the quality of life of the poor people using their own ways of knowing and value systems such as African Traditional Medicine.

Igama elithi I-Indigenous Knowledge Systems (IKS) liyiqembu elisebenzayo lelwazi, amakhono, izinqubo ezintsha, ubuchwepheshe kanye nezinhlelo zokukholelwa ezikhiqizwa emphakathini futhi zidluliselwa ngomlomo ngezizukulwane ezivela kwesinye izizukulwane kuya kwesinye isikhathi sokuphila.

Ngonyaka ka-2004 uHulumeni waseNingizimu Afrika wamukela iNqubomgomo kaZwelonke yoLwazi lwaMdabu (IKS). Inhloso eyinhloko yenkambiso ye-IKS kwakuwukuguqula ukungabi nabulungisa kwangesikhathi esidlule nokuqinisekisa ukurekhodwa okufanelekile, imibhalo, ukulondolozwa, ukuvikela nokukhuthazwa kwe-IK kubandakanya nemithi yendabuko yase - Afrika (ATM). Inqubomgomo izimisele ukuthuthukisa izinga lempilo yabampofu abantu basebenzisa izindlela zabo zokwazi nokwazisa izinhlelo ezifana nemithi yendabuko yase-Afrika.

Q.N	QUESTION UMUBUZO	CODING CATEGORIES IZIGABA ZOKUBHALA IKHODI	SKIP YEQA
Q1	What are the IKS-based activities that exist in this community? Yiziphi izenzo/izinhlelo ze-IKS ezisekelwe kulo mphakath?		
Q2	How much do these IKS-based activities including traditional medicine contribute to the livelihood in the community? Imisebenzi enhle ye-IKS ihlanganisa kangakanani imishanguzo yendabuko inomthelela empilweni yomphakathi?		
Q3	Do you think people in the community value the IKS-based activities/practices such as African Traditional Medicine (ATM)? Ucabanga ukuthi abantu emphakathini bayayazisa imisebenzi eyenziwe nge-IKS / imikhuba efana nemithi yendabuko yase-Afrika (ATM)?	Yes (Yebo)1 No (Cha).....2	

Q4	If they still value them, why? Uma besayazisa, kungani?		
Q5	If they do not value them, why? Uma bengayazisi, kungani?		
Q6	Which of these IKS-based practices including ATM, is supported by government or other organizations from outside the community? Yiyiphi yale mithuba esekelwe kwi-IKS kuhlanganise nemithi yendabuko yase-Afrika (ATM) isekelwa uhulumeni noma ezinye izinhlangano ezivela ngaphandle komphakathi?		
Q7	Have you heard about the National IKS Policy? If the answer is “no”, then go to Q16 Uke wezwa mayelana nenqubomgomo kazwelonke ye-IKS (National IKS Policy)? Uma impendulo ingu "cha", yiya ku-mbuzo 16	Yes (Yebo)1 No (Cha).....2	
Q8	If “yes”, where did you obtain information regarding the National and International Policy Frameworks related to Indigenous Knowledge in the context of African Traditional Medicine? Uma impendulo yakho ithi “yebo”, ulutholephi ulwazi mayelana neNqubomgomo Kazwelonke kanye Nezinhlaka Zenqubomgomo Yamazwe Ngamazwe ezihlobene Nolwazi Lwendabuko kumongo Wemithi Yendabuko Yase-Afrika?	Mass media (Imidiya enkulu) Radio (iRadio).....1 TV/Video (I-TV / Ividiyo).....2 Newspaper (Iphephandaba).....3 Poster/pamphlet(Iphosta / ipheshana).....4 People (Abantu).....5 Community leaders(Abaholi bomphakathi).....6 Friend(Umngane).....7 Family member (Ilunga lomndeni).....8 Other places (Ezinye izindawo) School (Isikole).....9 Place of workshop(Indawo yomhlangano).....10 Public meeting (Umhlangano womphakathi).....11 Seminar (I-Semina).....12 Others(ezinye).....13 Specify (ucacise)	
Q9	What do you know about it? Yini oyaziyo ngakho?		
Q10	What are its advantages and limitations in relation to your work as a traditional healer in this community? Yiziphi izinzuzo kanye nokulinganiselwa kwawo		

	ngokuphathelene/ ngokuhlobene nomsebenzi wakho njengumulaphi/njenginyanga wendabuko kulo mphakathi?		
Q11	Did anybody from government come to the community to explain about the IKS policy? If the answer is “No”, move to section III Ingabe ukhona ovela kuhulumeni oza emphakathini ukuchaza ngenqubomgomo ye-IKS (IKS Policy)? Uma impendulo ingu “cha”, yiya kumbuzo-III	Yes (Yebo)1 No (Cha).....2	
Q12	If “yes”, how is this policy implemented in your local community? Uma impendulo yakho ithi “yebo”, le nqubomgomo isetshenziswa/ iqaliswe kanjani emphakathini wangakini?		
Q13	Who is involved in the implementation of IKS policy? Ubani obandanyekayo ekusebenziseni/ ekuqalisweni kwenqubomgomo ye-IKS?		
Q14	How is he involved? Ubandakanyeka kanjani?		
Q15	Why do you think he is involved? Ucabanga ukuthi kungani ebandakanyeka?		
Q16	If you have not heard about it, would you like to know about it? If the answer is “No”, then go to the next section. Uma ungazange uzwe ngakho, ungathanda ukwazi ngakho? Uma impendulo ithi “Cha”, yiya kwisigaba esilandelayo	Yes (Yebo)1 No (Cha).....2	
Q17	Are you familiar with the National Recordal System and The IKS Documentation Centre at UKZN?	Yes (Yebo)1 No (Cha).....2	

	Ingabe uyayazi iNational Recordal System Kanye ne- IKS Documentation Centre e- UKZN?		
Q18	Are you familiar with the National Indigenous Knowledge Systems (IK) Bill? Ingabe uyawazi uMthethosivivinywa Kazwelonke Wezinhlelo Zolwazi Lomdabu (i-IK)?	Yes (Yebo)1 No (Cha).....2	

SECTION III: STATUS OF TRADITIONAL MEDICINE IN THE LOCAL COMMUNITY: TRADITIONAL HEALERS' PERSPECTIVES

ISIGABA III: ISIMO SOMUTHI WENDABUKO EMPHAKATHINI WENDAWO: IMIBONO YABAPHILI/YEZINYANGA ZENDABUKO

Q.N	QUESTION UMUBUZO	CODING CATEGORIES IZIGABA ZOKUBHALA IKHODI	SKIP YEQA
Q1	Where did you learn your profession as a traditional healer from? Ufundephi umsebenzi wakho njengomlaphi wendabuko?		
Q2	How long have you been practicing as a traditional healer in this community? (in years) Sekuyisikhathi esingakanani usebenza njengomlaphi wendabuko kulomphakathi? (iminyaka)	Less than a year (Ngaphansi konyaka)1 01-10.....2 11-20.....3 21-30.....4 31 and above (31 nangaphezulu).....5 No answer (Akunampendulo).....6	
Q3	What materials do you use for your traditional medicine and healing? Yiziphi izinto ozisebenzisayo zemithi yakho yendabuko nokulapha?	Animal source (Umthombo wezilwane).....1 Animal product + herbal medicine for treatment (Umkhizozo wezilwane + imithi yemithi yokwelashwa).....2 Minerals (Amaminerali).....3 Herbo - minerals (Imifino -amaminerali).....4 Other (ogunye).....13 Specify (ucacise)	
Q4	Where do you get your traditional medicines from? Uyithola kuphi imithi yakho yendabuko?		
Q5	Are there any traditional medicines which are only found in this area? Ikhona yini imithi yendabuko etholakala kule ndawo kuphela?	Yes (Yebo)1 No (Cha).....2	
Q6	If yes, give some examples Uma kunjalo, nikeza ezinye izibonelo If no, why do you think so? Uma ingekho, kungani ucabanga kunjalo?		
Q7	Does the environment and climate of this area influence the common diseases or illnesses in the area/community ? Ingabe imvelo nesimo sezulu		

	kule ndawo kuthonya izifo ezivamile noma izifo endaweni / emphakathini?		
Q8	Does the environment and climate of this area make your traditional medicine and healing practices different from other parts of KwaZulu-Natal or South Africa ? Ingabe imvelo nesimo sezulu salendawo kwenza imithi yakho yendabuko nemikhuba yokulapha ihluke kwezinye izingxenywe zakwaKwaZulu-Natali noma eNingizimu Afrika?	Yes (Yebo)1 No (Cha).....2	
Q9	If this is the case, can you explain what, how and why is it different? Uma kunjalo, ungachaza ukuthi yini, kanjani nokuthi kungani khlukile?		
Q10	What are the common illnesses among the people in this area? Yiziphi izifo ezivamile ukuphatha abantu kule ndawo?		
Q11	Can you treat all the illnesses or clients come to you for specific illnesses? Ungakwazi yini ukulapha zonke izifo noma amaklayenti/ amakhasimende eza kuwe ngezifo ezithile?		
Q12	Where do most of your clients come from? Avela kuphi amaklayenti akho amangingi?		
Q13	Why do you think they come to you? Ucabanga ukuthi kungani beza kuwe?		
Q14	Do you refer some of your clients to other healers or modern medicines? Ingabe uyawadlulisela yini amaklayenti akho kwabanye abelaphi bendabuko noma imithi yanamuhla?	Yes (Yebo)1 No (Cha).....2	

Q15	If Yes, when do you refer them to other healers or modern medicines? Uma kunjalo (yebo), ubadlulisela nini kwabanye abelaphi noma imithi yanamuhla?		
Q16	Do other healers also send their clients to you? Ingabe abanye abelaphi bayawathumela amakhasimende abo kuwe?	Yes (Yebo)1 No (Cha).....2	
Q17	Do you have cases whereby modern doctors refer patients to you? Ingabe zikhona izimo lapho odokotela banamuhla (nomtholampilo wesimanje) bethumela khona iziguli kuwena?	Yes (Yebo)1 No (Cha).....2	
Q18	If Yes, which are these cases? Uma kunjalo (yebo), yiziphi lezi zimo?		
Q19	Do you have cases where patients from modern medicines come to you for help? Ingabe unazo izimo lapho iziguli ezivela emtholampilo ziza kuwena zifuna usizo?	Yes (Yebo)1 No (Cha)2	
Q20	How many clients come to you for treatment per month? Mangaki amakhasimende eza kuwena ezokwelashwa ngenyanga?	01-05.....1 06-10.....2 11-15.....3 16 -20.....4 21 - 25.....5 26 and above (26 nangaphezulu).....6 No answer (Akunampendulo).....7	
Q21	How many clients did you consult last year? Mangaki amaklayenti owabonana nawo ngonyaka odlule?	01- 20.....1 21- 40.....2 41- 60.....3 61 - 80.....4 81 - 100.....5 101 and above (101 nangaphezulu).....6 No answer (Akunampendulo).....7	
Q22	Occupation of the majority of your clients Ukusebenza kweningi lamaklayenti akho	Not mentioned (Akukhulunywanga).....1 House wife (unkosikazi ongasebenzi)2 Student(umfundi).....3 Farmer (Umlimi).....4 Others (Businessmen, Teachers, Auto drivers, Labors, Factory workers, etc.) Abanye (Abamabhizinisi, Bomabhizinisi, Othisha, Abashayeli Bokuzivocavoca, Abasebenzi, Abasebenzi basefemini, njalo njalo).....5	

Q23	<p>What are your views about ATM working together with modern/western medicine for the betterment of clients, especially in the rural areas where most people live ?</p> <p>Yimiphi imibono yakho mayelana ne-ATM esebenzisana nemithi yesimanje / entshonalanga yokuthuthukisa amaklayenti, ikakhulukazi ezindaweni zasemaphandleni lapho abantu abaningi behlala khona?</p>		
Q24	<p>What do you think the modern medicine can learn from ATM?</p> <p>Ucabanga ukuthi yini engafundwa abelaphini besimanje ku- imithi yendabuko yase-Afrika (ATM)?</p>		
Q25	<p>What do you need to learn from modern medicine?</p> <p>Yini okudingeka uyifunde kubelaphi besimanje (umtholampilo wesimanje)?</p>		
Q26	<p>What makes the working together of the two medical systems difficult?</p> <p>Yini eyenza ukusebenza ngokubambisana kwelezinhlelo ezimbili zezokwelapha kubenzima?</p>		
Q27	<p>How can the relationship between the two medical systems be improved for a better public health care?</p> <p>Ubuhlobo obuphakathi kwalezi zinhlelo ezimbili zezokwelapha bungathuthukiswa kanjani ukuze uthole ukunakekelwa kwezempilo okungcono komphakathi?</p>		

THAT IS THE END OF THE QUESTIONNAIRE. THANK YOU FOR TIME TAKING TO ANSWER MY QUESTIONS. I APPRECIATE YOUR HELP.

LOKHO KUWUKUPHELA KWEMIBUZO. SIYABONGA NGESIKHATHI SAKHO SOKUPHENDULA IMIBUZO YAMI. NGIYAZISA USIZO LWAKHO.

**Appendix 7: Questionnaire For Traditional Healers' Clients (English) and
Imibuzo Amaklayenti/Amakhasimende (isiZulu)**

Questionnaire identification number (Inombolo yokuhlonza umbuzo):
 Date (dd-mm-yyyy) Usuku(Usuku/Inyanga/ Unyaka:
 Site/Community/District (Indawo / Umphakathi / Wesifunda):
 Language (Ulimi):
 Recording (Ukurekhoda):
 Remarks (Amazwi):

Signature of the interviewer that a verbal/written consent was obtained (Isiginesha somuntu obuza imibuzo ukuthi kutholakale imvume yokubhala / ebhaliwe)

SECTION I: SOCIO-ECONOMIC AND DEMOGRAPHIC CHARACTERISTICS OF TRADITIONAL MEDICINE CLIENTS

ISIGABA I: IZINDLELA ZEMISEBENZI-IZINDABA YAMAMAKLAYENTI

Q. N	QUESTION UMUBUZO	CODING CATEGORIES IZIGABA ZOKUBHALA IKHODI	SKIP YEQA
Q1	Gender Ubulili	Male (Owesilisa)1 Female (Owesifazane).....2	
Q2	What meaning or importance does a person's gender have in your culture? Kuyini Kubaluleka kobulili womuntu ophikisayo emasikweni akho?		
Q3	Marital status Isimo somshado	Single (Ongashadile).....1 Married (Oshadile).....2 Widow/er ongumfelokazi/ umfelokazi.....3 Divorced/Separated(ohlukanisile).....4	
Q4	What meaning or importance does a person's marital status have in your culture? Ngabe isimo somshado womuntu sisho ukuthini noma kubaluleke kangakanani emasikweni akho?		
Q5	Age group Iqembu lobudala	20 to29.....1 30 to 39.....2 40 to 49.....3 50 to 59.....4 60 to 69.....5 70 to 79.....6 80 to 89.....7 90 and above (90 nangaphezulu).....8	
Q6	What meaning or importance does a person's age group have in your culture?		

		Specify (ucacise)	
Q13	<p>What meaning or importance does a person's religious affiliation have in your culture?</p> <p>Ngabe Inkolo yomuntu yisho ukuthini noma kubaluleke kangakanani emasikweni akho?</p>		
Q14	<p>How does religious affiliation influence a person's belief in Traditional or modern /western Medicine?</p> <p>Ngabe inkolo iyishintsha kanjani inkolelo yomuntu emithini yendabuko kumbe yesimanje?</p>		
Q15	<p>Occupational Status</p> <p>Isimo sokusebenza</p>	<p>Employed (Iqashwe).....1</p> <p>Unemployed (Ayisebenzi).....2</p> <p>Self-employed(Oziqashile).....3</p> <p>Others(ezinye).....4</p> <p>Specify (ucacise).</p>	
Q16	<p>What meaning or importance does a person's occupational status have in your culture?</p> <p>Yisiphi isimo sokubaluleka kwesimo somsebenzi womuntu esesikweni sakho?</p>		
Q17	<p>If employed, where do you work?</p> <p>Uma uqashwe, usebenza kuphi?</p>	<p>Business/Trade (Ibhizinisi/ ukuhweba)1</p> <p>regular job or Service (Umsebenzi ovamile noma Isevisi)2</p> <p>Labor/wage earning (Umsebenzi /umholo ohola)3</p> <p>Support from Relatives (Ukusekelwa kusuka kwilizihlobo)4</p> <p>Support from friends (Ukusekelwa kusuka kubangani)5</p> <p>Pension (Ipensheni)6</p> <p>Livestock (Imfuyo)7</p> <p>Field Harvest/Farming (Isivuno sezithelo / Ukulima)8</p> <p>Informal work (Umsebenzi ongahlelekile).....9</p> <p>Child Support Grant (Isibonelelo Sokusekelwa Kwabantwana)10</p> <p>Fishing (Ukudoba)11</p> <p>Brewing beer (Ukubheja ubhiya)12</p> <p>Farming (Ukulima).....13</p> <p>Others (ezinye)14</p> <p>Specify (ucacise).</p>	
Q18	<p>How long have you been depending on this/se sources of income? (In years)</p> <p>Sekuyisikhathi esingakanani</p>	<p>0 to 5.....1</p> <p>6 to 10.....2</p> <p>11 to 15.....3</p> <p>16 to 20.....4</p> <p>21 to 25.....5</p> <p>26 to 30.....6</p> <p>31 to 35.....7</p>	

	uphila ngalomthombo wemali engenayo? (Iminyakeni)	36 and above (36 nangaphezulu).....8	
Q19	How would you describe your financial position? Ungasichaza kanjani isimo sakho sezezimali?	Very good (Kuhle kakhulu).....1 Good (Kuhle).....2 Reasonable (Kuyaqondakala).....3 Bad (Okubi).....4 Very bad(Okubi Khakhulu).....5	

SECTION II: STATUS OF INDIGENOUS KNOWLEDGE SYSTEMS IN THE LOCAL COMMUNITY: TRADITIONAL MEDICINE CLIENTS' PERSPECTIVES

ISIGABA II: ISIMO SEZINHLELO ZOLWAZI LWENDABUKO (IKS) EMPHAKATHINI KANYE NENQUBOMGOMO KAZWELONKE YAMA-IKS: IMIBONO YAMAMAKLAYENTI/KHASIMENDE

The term Indigenous Knowledge Systems (IKS) is a systematic bodies of knowledge, skills, innovations, technologies and belief systems produced locally and traditionally transmitted orally from one generation to the next for livelihood.

In 2004 the Government of South Africa adopted the National Indigenous Knowledge Systems (IKS) Policy. The main aim of IKS policy was to reverse the injustices of the past and ensure a proper recording, documentation, preservation, protecting, and promotion of IK including African traditional medicine (ATM).The policy aspires to improve the quality of life of the poor people using their own ways of knowing and value systems such as African Traditional Medicine.

Igama elithi I-Indigenous Knowledge Systems (IKS) liyiqembu elisebenzayo lelwazi, amakhono, izinqubo ezintsha, ubuchwepheshe kanye nezinhlelo zokukholelwa ezikhiqizwa emphakathini futhi zidluliselwa ngomlomo ngezizukulwane ezivela kwesinye izizukulwane kuya kwesinye isikhathi sokuphila.

Ngonyaka ka-2004 uHulumeni waseNingizimu Afrika wamukela iNqubomgomo kaZwelonke yoLwazi lwaMdabu (IKS). Inhloso eyinhloko yenkambiso ye-IKS kwakuwukuguqula ukungabi nabulungisa kwangesikhathi esidlule nokuqinisekisa ukurekhodwa okufanelekile, imibhalo, ukulondolozwa, ukuvikela nokukhuthazwa kwe-IK kubandakanya nemithi yendabuko yase - Afrika (ATM) .Inqubomgomo izimisele ukuthuthukisa izinga lempilo yabampofu abantu basebenzisa izindlela zabo zokwazi nokwazisa izinhlelo ezifana nemithi yendabuko yase-Afrika.

Q. N	QUESTION UMUBUZO	CODING CATEGORIES IZIGABA ZOKUBHALA IKHODI	SKIP YEQA
Q1	What are the IKS-based activities that exist in this community? Yiziphi izezo ze-IKS ezisekelwe kulo mphakath?		
Q2	How much do these IKS-based activities including traditional medicine contribute to the livelihood in the community? Imisebenzi ye-IKS esekelwe kulomphakathi nemishanguzo yendabuko inomthelela ongakanani empilweni yomphakathi?		
Q3	Do you think people in the community value the IKS-based activities/practices such as African Traditional Medicine (ATM)? Ucabanga ukuthi abantu emphakathini bayayazisa imisebenzi eyenziwe nge-IKS / imikhuba efana nemithi yendabuko yase-Afrika (ATM)?	Yes (Yebo)1 No (Cha).....2	

Q4	If they still value them, why? Uma besawazisa, kungani?		
Q5	If they do not value them, why? Uma bengayazisi, kungani?		
Q6	Which of these IKS-based practices including ATM, is supported by government or other organizations from outside the community? Yiyiphi yale mikhuba esekelwe kwi-IKS kuhlangukise nemithi yendabuko yase-Afrika (ATM) isekelwa uhulumeni noma ezinye izinhlangano ezivela ngaphandle komphakathi?		
Q7	Have you heard about the National IKS Policy? If the answer is “no”, then go to Q16 Uke wezwa mayelana nenqubomgomo kazwelonke ye-IKS (National IKS Policy)? Uma impendulo ingu "cha", yiya kumbuzo-16	Yes (Yebo)1 No (Cha).....2	
Q8	If “yes”, where did you obtain information regarding the National and International Policy Frameworks related to Indigenous Knowledge in the context of African Traditional Medicine? Uma impendulo yakho ithi “yebo”, ulutholephi ulwazi mayelana neNqubomgomo Kazwelonke kanye Nezinhlaka Zenqubomgomo Yamazwe Ngamazwe ezihlobene Nolwazi Lwendabuko kumongo Wemithi Yendabuko Yase-Afrika?	Mass media (Imidiya enkulu) Radio (iRadio)1 TV/Video (I-TV / Ividiyo)2 Newspaper (Iphephandaba)3 Poster/pamphlet (Iphosta / ipheshana)4 People (Abantu)5 Community leaders (Abaholi bomphakathi).....6 Friend (Umngane).....7 Family member (Ilunga lomndeni).....8 Other places (Ezinye izindawo) School (Isikole).....9 Place of workshop (Indawo yomhlangano)10 Public meeting (Umhlangano womphakathi)11 Seminar (I-Semina)12 Others (ezinye)13 Specify (ucacise)	
Q9	What do you know about it? Yini oyaziyo ngakho?		
Q10	What are its advantages and limitations in relation		

	<p>to your work as a traditional healer in this community?</p> <p>Yiziphi izinzuzo kanye nokulinganiselwa kwawo ngokuphathelene/ ngokuhlobene nomsebenzi wakho njenginyanga wendabuko kulo mphakathi?</p>		
Q11	<p>Did anybody from government come to the community to explain about the IKS policy?</p> <p>If the answer is “No”, move to section III</p> <p>Ingabe ukhona ovela kuhulumeni oza emphakathini ukuchaza ngenqubomgomo ye-IKS (IKS Policy)?</p> <p>Uma impendulo ingu “cha”, yiya kumbuzo-III</p>	<p>Yes (Yebo)1 No (Cha)2</p>	
Q12	<p>If “yes”, how is this policy implemented in your local community?</p> <p>Uma “yebo”, le nqubomgomo isetshenziswa/ iqaliswe kanjani emphakathini wangakini?</p>		
Q13	<p>Who is involved in the implementation of IKS policy?</p> <p>Ubani othintekayo ekusebenziseni/ ukuqaliswa kwenqubomgomo ye-IKS?</p>		
Q14	<p>How is he involved?</p> <p>uthinteka kanjani?</p>		
Q15	<p>Why do you think he is involved?</p> <p>Ucabanga ukuthi kungani ethinteka?</p>		
Q16	<p>If you have not heard about it, would you like to know about it? If the answer is “No”, then go to the next section.</p> <p>Uma ungazange uzwe ngakho, ungathanda</p>	<p>Yes (Yebo)1 No (Cha)2</p>	

	ukwazi ngakho? Uma impendulo ingu "Cha", yiya kwesigaba esilandelayo		
Q17	Are you familiar with the National Recordal System and The IKS Documentation Centre at UKZN? Ingabe uyayazi iNational Recordal System Kanye ne-IKS Documentation Centre e-UKZN?	Yes (Yebo)1 No (Cha).....2	
Q18	Are you familiar with the National Indigenous Knowledge Systems (IK) Bill? Ingabe uyawazi uMthethosivivinywa Kazwelonke Wezinhlelo Zolwazi Lomdabu (i-IK)?	Yes (Yebo)1 No (Cha).....2	

SECTION III: STATUS OF TRADITIONAL MEDICINE IN THE LOCAL COMMUNITY: TRADITIONAL MEDICINE CLIENTS' PERSPECTIVES

ISIGABA III: ISIMO SOMUTHI WENDABUKO EMPHAKATHINI WENDAWO: IMIBONO YAMAMAKLAYENTI/YAMAKHASIMENDE

Q. N	QUESTION UMUBUZO	CODING CATEGORIES IZIGABA ZOKUBHALA IKHODI	SKIP YEQA
Q1	What is your first point of call when you get sick? Ikuphi ukwenza kuqala uma ugula?	Modern clinic (umtholampilo)1 Traditional healer (Udokotela wendabuko)2	
Q2	How many times did you consult a traditional healer/doctor last year? Zingaki izikhathi oye waxhumana nomhlengikazi wendabuko / udokotela ngonyaka odlule?	None (Akukho).....1 Once (Kanye).....2 Two to three times (Izikhathi ezimbili kuya kathathu)3 Four to six times (Izikhathi ezine kuya kweziyisithupha)4 More than six times (Izikhathi ezingaphezu kwesithupha)5	
Q3	Why do you consult a traditional healer? Kungani uxhumana nomdokotela wendabuko?	I want a traditional medicine for healing purpose (Ngifuna umuthi wendabuko ngenhloso yokuphulukisa).....1 I could not be cured at the clinics(Angikwazi ukuphulukiswa emitholampilo).....2 There are no clinics close to where I live(Ayikho imitholampilo eduze nendawo engihlala kuyo).....3 Other medicines are too expensive(Iminye imithi iyabiza kakhulu).....4 Other (Okunye).....5	
Q4	Where do you get information about ATM? Ulutholaphi ulwazi mayelana ne-ATM (umuthi wendabuko imithi yendabuko yase-Afrika) ?	Mass media (Imidiya enkulu) Radio (iRadio).....1 TV/Video (I-TV / Ividiyo).....2 Newspaper (Iphephandaba).....3 Poster/pamphlet (Iphosta / ipheshana).....4 People (Abantu).....5 Community leaders (Abaholi bomphakathi).....6 Friend (Umngane).....7 Family member (Ilunga lomndeni).....8 Other places (Ezinye izindawo) School (Isikole).....9 Place of workshop (Indawo yomhlangano).....10 Public meeting (Umhlangano womphakathi).....11 Seminar (I-Semina)12 Others (ezinye).....13 Specify (ucacise)	

Q5	Do other members of your family also consult traditional healers? Ingabe amanye amalungu omndeni wakho abuye axhumane nabelaphi bendabuko?	Yes (Yebo)1 No (Cha).....2	
Q6	Have the number of times that you or your family members consulted a traditional healer changed in the three years ? Ngabe inani lezinkathi lapho wena noma amalungu omndeni wakho exhumane nomlaphi wendabuko zishintshile eminyakeni emithathu eyedlule?	I now go more often (Manje ngiyahamba kaningi)1 I now go less often (Manje ngiyahamba kancane kancan.....2 I now go the same as before (Manje ngiyafana nanjengaphambili)3	
Q7	If you have changed your use of ATM, explain why? Uma ishintshile indlela osebenzisa ngayo imithi yendabuko yase-Afrika (i-ATM), chaza ukuthi kungani?		
Q8	Where are the traditional healers you consult located? Batholakala kuphi abelaphi bendabuko obasebenzisayo/obahamba yo?		
Q9	Do you ever consult both ATM and modern clinic? Ingabe uke uthintane nolaphi wendabuko (ATM) Kanye nomtholampilo wesimanje Kanye Kanye?	Yes (Yebo)1 No (Cha).....2	
Q10	If, yes, what are the advantages and limitations of each? Uma, yebo, yiziphi izinzuzo kanye nobubi?		
Q11	What specific illnesses do you consult each of them? Iziphi izifo ezithile ozibonisana nazo?		
Q12	Are there any modern clinic in your local community? Ingabe kukhona imitholampilo yanamuhla emphakathini wangakini?	Yes (Yebo)1 No (Cha).....2	

Q13	If, no, where is the nearest clinic located? Uma, cha, ukuphi umtholampilo oseduze?		
Q14	How do you get there? Ufika kanjani lapho?	Walk.....1 Taxi (Itheksi).....2 Bus (Ibhasi).....3 Train (Isitimela).....4 Others (ezinye).....5 Specify (ucacise)	
Q15	If you walk, how long does it take you? Uma uhamba ngezinyawo, kuthatha isikhathi esingakanani?	Less than 10 minutes (Ngaphansi kwemizuzu engu-10)1 10 to 20 minutes (Imaminithi engu-10 ukuya kwangu-20)2 More than 20 minutes (Imaminithi engaphezu kwengu-20)3	
Q16	If you catch a taxi, train or bus how much does it cost you (return fare)? Uma ugibela itekisi, isitimela noma ibhasi kukubiza malini (ukuya nokubuyela emuva)?	[R.....]	
Q17	How much do you estimate that you have spent on modern medicine in the past one year? Ungayilinganisela kumalini imali oyichithe ekwelashweni kwesimanje ngonyaka odlule?	[R.....]	
Q18	Are there any traditional healers in your local community? Ngabe bakhona yini abanye abelaphi bendabuko emphakathini wangakini?	Yes (Yebo)1 No (Cha).....2	
Q19	If yes, how many? Uma kunjalo, bangaki?		
Q20	Are most of the traditional healers in the community men or women? Ingabe iningi labelaphi bendabuko elithokalaka emaphakathini wakini lingamadoda noma amakhosikazi?	Men (Amadoda)1 Women (Abesifazane).....2	
Q21	How do you explain this situation? Ungasichaza kanjani lesi simo?		

Q22	<p>If they are located outside your local community, how do you travel there?</p> <p>Uma zikhona ngaphandle komphakathi wangakini, uhamba kanjani lapho?</p>	<p>Walk.....1 Taxi (Itheksi).....2 Bus (Ibhasi).....3 Train (Isitimela).....4 Others (ezinye).....5 Specify (ucacise)</p>	
Q23	<p>If you walk, how long does it take you?</p> <p>Uma uhamba ngezinyawo, kuthatha isikhathi esingakanani wena?</p>	<p>Less than 10 minutes (Ngaphansi kwemizuzu engu-10)1 10 to 20 minutes (Imaminithi engu-10 ukuya kwangu-20)2 More than 20 minutes (Imaminithi engaphezu kwengu-20)3</p>	
Q24	<p>If you catch a taxi, train or bus how much does it cost you (return fare)?</p> <p>Uma uthola itekisi, isitimela noma ibhasi kukubiza kangakanani (ukuya nokubuyela emuva)?</p>	<p>[R.....]</p>	
Q25	<p>How much do you estimate that you have spent on ATM in the past one year?</p> <p>Uchabanga ukuthi imalini oyisebenzisile emithini yendabuko (ATM) ngonyaka odlule?</p>	<p>[R.....]</p>	
Q26	<p>What particular aspects of ATM would you have wished to be available in western medicine?</p> <p>Yiziphi izinxenye ezithile Zemithini yendabuko (ATM) ongafisa zitholakale emithi yasentshonalanga?</p>		
Q27	<p>Does anybody supervise/guide you in the ATM you use?</p> <p>Ingabe ukhona umuntu oqondayo / okusizayo ngendlela osebenzisa ngayo i-ATM?</p>	<p>Yes (Yebo)1 No (Cha).....2</p>	
Q28	<p>Identify the statement that best describes your health care practices. (Check only one option)</p> <p>Thola isitatimende esichaza kahle izindlela zakho zokunakekelwa kwezempilo. (Hlola inketho eyodwa kuphela)</p>	<p>I use ATM only (Ngisebenzisa i-ATM(umuthi wendabuko imithi yendabuko yase-Afrika) kuphela).....1 I use ATM with treatments given to me by my medical doctor (Ngisebenzisa i-ATM ngemithi enginikezwe udokotela wami).....2</p>	
Q29	<p>Identify the statement that best describes your level of involvement with ATM provider. (Check only one option)</p>	<p>I do not see ATM providers (Angiboni abahlinzeki be-ATM)1 I see ATM providers on a daily basis(Ngibona abahlinzeki be-ATM nsuku zonke).....2</p>	

	Thola isitatimende esichaza kahle izinga lakho lokuzibandakanya nomhlinzeki we-ATM. (Hlola inketho eyodwa kuphela)	I see ATM providers on a weekly basis (Ngibona abahlinzeki bama-ATM ngesonto onke)3 I see ATM providers on a monthly basis(Ngibona abahlinzeki bama-ATM njalo ngenyanga).....4 I see ATM providers once a year(Ngibona abahlinzeki be-ATM kanye ngonyaka).....5 I see ATM providers less than once a year (Ngibona abahlinzeki be-ATM ngaphansi kanye konyaka).....6 Others (ezinye).....7 Specify (ucacise)	
Q30	Would you give recommendation of ATM? Ungabeka ukusikisela kwe-ATM(umuthi wendabuko imithi yendabuko yase-Afrika)?	Yes (Yebo)1 No (Cha)2	
Q31	Why? Kungani?		
Q32	If you could get treated at a clinic, is it more expensive or cheaper than a traditional healer? Uma ungathola ukwelashwa emtholampilo, ingabe iyabiza noma ishibhile kunokwelapha wendabuko?	Cheaper (Engabizi).....1 Same (Ibiza ngokufana).....2 More expensive (Ibiza kakhulu).....3	
Q33	If you had the choice between going to a clinic and going to a traditional healer, what would you choose? (Your first choice, forgetting about the cost) Uma ngabe ukhetha phakathi kokuya emtholampilo nokuya kumnakekeli wendabuko, ungakhetha ini? (Ukukhetha kwakho kokuqala, ukukhohlwa izindleko)	Go to a traditional healer (Yiya kumphilisa wendabuko)1 Go to a clinic(Yiya emtholampilo).....2 It depends on what treatment I need (Kuncike kokwelashwa engikudingayo).....3 Do not know (Angazi).....4	
Q34	Why this choice? Kungani lokhu kukhetha?		
Q35	If the answer is (1), what factor(s) influence(s) the choice of healer to consult? i.e., why do you choose healer A rather than B? Uma impendulo iwukuthi (1), yiziphi izinto (ama) ezithonya (s) ukukhetha kokwelapha ukubonisana? ngukuthi ukhetha ukwelapha/Inyanga A kunokuba B?		

Q36	Do you think that you will use more or less traditional medicines in the future? Ucabanga ukuthi uzosebenzisa imithi yendabuko esikhathini esizayo?	More (Okuningi).....1 Less(Ngaphansi).....2 The same (Okufanayo)3 Do not know (Angazi)4	
Q37	If a clinic was closer to your house, would you use traditional medicines more or less often? Uma umtholampilo usondelene nendlu yakho, ungayisebenzisa kaningi imithi yendabuko?	More (Okuningi)1 The same as before (Kufana nanjengaphambili)2 It depends on what treatment I need(Kuncike kokwelashwa engikudingayo).....3	
Q38	If traditional medicines were more expensive, would you use them less often? Uma imithi yendabuko yayibiza kakhulu, ingabe uyayisebenzisa kaningi?	Use them less(Sebenzisa kacane).....1 Use them the same as before (Zisebenzise ngendlela efanayo nangaphambili)2	
Q39	Have you obtained any particular benefit from the traditional medicine you used? Uke wathola yini inzuzo kusuka umithini wendabuko oyisebenzisayo?	Yes (Yebo)1 No (Cha)2	
Q40	How satisfied are you with the performance of the traditional medicine you used? Uneliseke kangakanani ngokusebenza kwemithi yendabuko oyisebenzisayo?	Very satisfied (Inelisekile kakhulu)1 Satisfied (Inelisekile)2 Disappointed (Ukudangala)3	
Q41	Have you had to abandon conventional treatment for traditional medicine? Ingabe kwadingeka ulahle imithi yesimanje okuvamile emithi imithi yendabuko yase-Afrika?	Yes (Yebo)1 No (Cha)2	
Q42	If yes, what were your reasons for abandoning western treatment for traditional medicine? Uma kunjalo (yebo), yiziphi izizathu zakho zokushiya ukwelashwa entshonalanga kwemithi yendabuko?		
Q43	Have you ever mention to the doctor in charge in your clinic/hospital that you	Yes (Yebo)1 No (Cha).....2	

	<p>have used/are using African Traditional Medicine?</p> <p>Wake wake wakhuluma nodokotela ophetheyo emtholampilo wakho / esibhedlela oye wasebenzisa / usebenzisa umuthi wendabuko yase-Afrika?</p>		
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THAT IS THE END OF THE QUESTIONNAIRE. THANK YOU FOR TIME TAKING TO ANSWER MY QUESTIONS. I APPRECIATE YOUR HELP.

LOKHO KUWUKUPHELA KWEMIBUZO. SIYABONGA NGESIKHATHI SAKHO SOKUPHENDULA IMIBUZO YAMI. NGIYAZISA USIZO LWAKHO.

Appendix 8: Ethical Approval from the University of KwaZulu-Natal Humanities and Social Sciences Research Ethics Committee



24 July 2024

Wilondja Muzumbukilwa 205525431
School of Social Sciences
Howard College Campus

Dear W Muzumbukilwa

Protocol reference number: HSS/1145/017D

Project title: Challenges and prospects of the National Indigenous Knowledge Systems (IKS) Policy in promoting African Traditional Medicine (ATM) in KwaZulu-Natal, South Africa

Amended title: Challenges and prospects of the National Indigenous Knowledge Systems policy in integrating African Traditional Medicines into the public healthcare system in South Africa.

Degree: PhD

Approval Notification – Amendment Application

This letter serves to notify you that your application and request for an amendment received on 19 July 2024 has now been approved as follows:

- Change in title

Any alterations to the approved research protocol i.e. Questionnaire/Interview Schedule, Informed Consent Form; Title of the Project, Location of the Study must be reviewed and approved through an amendment /modification prior to its implementation. In case you have further queries, please quote the above reference number.

PLEASE NOTE: Research data should be securely stored in the discipline/department for a period of 5 years.

HSSREC is registered with the South African National Health Research Ethics Council (REC-040414-040).

Best wishes for the successful completion of your research protocol.

Yours faithfully



.....
Professor Dipane Hialele (Chair)

/dd

Humanities & Social Sciences Research Ethics Committee
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