



Article

Voices in Motion: Using I-Poems to Uncover Undergraduate University Students' Psychosocial Journey and Physical Activity Behaviours

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Abstract: Physical inactivity is a pervasive global public health concern, yet there is limited qualitative research exploring the psychosocial dimensions of physical activity (PA) among undergraduate students at a South African university. Therefore, this study aimed to explore students' PA participation, by providing insights into the psychosocial factors that shape their experiences. Interviews were conducted with 18 undergraduate university students between July and August 2023. I-poems, a creative qualitative method, were created from interview transcripts by isolating sentences featuring the pronoun "I" and arranging them into poetic stanzas without altering their sequence. This approach amplifies the participants' voices, offering an authentic window into their lived experiences. Data was coded using the Atlas Ti v.8 software and thematically analysed to generate common themes. The I-poems revealed rich, layered insights from students regarding the psychosocial aspects of PA, highlighting themes such as mental health, motivation and social support. By centring the participants' "I" narratives, the method foregrounded their voices, enabling a deeper exploration of their embodied PA experiences. This study highlights the potential of I-poems as a creative qualitative method to explore the intricacies of students' PA journeys. The findings highlight the importance of considering psychosocial factors in understanding PA engagement, offering valuable subjective perspectives for designing contextually relevant and university student-tailored interventions that are suitable.

Keywords: physical activity; psychosocial factors; I-poems; university; students; South Africa



Academic Editors: Isabella
Giulia Franzoi and Gloria Guidetti

Received: 24 April 2025

Revised: 3 June 2025

Accepted: 3 June 2025

Published: 5 June 2025

Citation: Johannes, C.; Reid, J.; Roman, N. Voices in Motion: Using I-Poems to Uncover Undergraduate University Students' Psychosocial Journey and Physical Activity Behaviours. *Int. J. Environ. Res. Public Health* **2025**, *22*, 901. <https://doi.org/10.3390/ijerph22060901>

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1. Introduction

1.1. Physical Activity and Psychosocial Factors Among Undergraduate Students

Physical activity (PA) during university years plays a pivotal role in establishing habits for lifelong PA in adulthood [1]. However, PA participation continues to decline across universities globally. For example, students attending a university in South Africa (SA) were found to have high rates of being overweight (20%) and obese (9.5%) [2]. Similarly, another South African study reported that 110 female undergraduate students were categorised as sedentary, with high rates of overweight (37.3%) and obesity levels (17.3%) [3]. Similarly, a Canadian study reported that students are not meeting the World Health Organisation (WHO) PA Recommendations [4,5], which suggests that young adults, such as undergraduate university students, should participate in at least 150 min of moderate or 75 min of vigorous PA per week [6]. Nevertheless, participation in PA is a complex health behavioural process consisting of many psychosocial factors [7,8]. Psychosocial factors such as mental

health, motivation and social support have previously been researched as having a significant relationship with PA engagement among undergraduate university students [9,10]. One study reported that PA was positively related to stress ($r = 0.11, p < 0.05$) and anxiety ($r = 0.10, p < 0.05$), motivational factors were positively related to psychological condition and others' expectations [$r = 0.10, p < 0.05$] as well as depression and others' expectations ($r = 0.11, p < 0.05$) [10]. Similarly, a recent study indicated that mental health concerns, such as depression (23.2%) and anxiety (40.6%), were extremely severe and limited PA behaviour, whereas social support, social media and recognition from others were facilitators [10]. This suggests that the psychosocial journey of an undergraduate university student influences their health behaviours and should be explored in future research [11]. Psychosocial factors among undergraduate students, especially within South African tertiary institutions, are multifaceted due to the diverse student population [12]. Therefore, many South African universities are not prepared to cater to the diverse needs of their students [13]. Scant research has been conducted focusing on students' psychosocial vulnerable factors and how these vulnerable factors impact other aspects of life, such as their overall well-being [14]. Despite the recognised importance of these psychosocial factors for PA engagement, and ultimately the enhancement of holistic well-being, there is a lack of research focused on their influence on undergraduate university students in Africa [15]. Previous studies have been conducted in high-income and Western countries within different social contexts [16]. This ultimately limits the generalisability of their findings to African settings. Furthermore, the literature has placed priority on physical health over psychosocial factors [17]. Regardless of these challenges, there is a growing recognition of the need for psychosocial research in SA, particularly to inform public health strategies and improve health outcomes among young adults, such as undergraduate university students [18]. One way of understanding PA engagement and the psychosocial factors that influence health enhancing behaviour among undergraduate university students is through creative methodologies.

1.2. The Use of Creative Methodologies

Creative methodologies have been considered instrumental for enhancing the understanding of embodied experiences [19]. Poetry, specifically, has increasingly been recognised as a legitimate research method, with poetic inquiry valued both as a tool for conducting research and as a meaningful outcome of the research process [20]. For example, a recent systematic review of arts-based methods used to explore young adults' psychosocial needs and experiences found that creative approaches not only empower participants to express their personal narratives but also help reduce stigma and foster a sense of agency [21]. The review further identified mental health as the most common psychosocial issue and emphasised that creative methods enable a deeper understanding of such challenges by allowing participants to share their embodied experiences [21]. Similarly, another study focusing on health behaviours, emphasised the value of research poetics, particularly "I" poems, in health promotion by offering deeper insight into the health behaviours of individuals [22]. Their results indicated that by capturing the personal narratives in poetic form, researchers were able to explore how relationships—with family, peers and healthcare providers—shaped their health choices. This suggested that not only does this type of approach enrich the data analysis but also uncover hidden tensions and inequities, leading to more effective and empathetic health promotion strategies [22]. Thus, to fathom the experience of health behaviours among undergraduate university students, the Listening Guide serves as a powerful tool for generating I-poems, which enable the students' voices and uncover the complex, relational dimensions of their PA engagement levels and accompanying psychosocial factors.

1.3. The Listening Guide Approach for the Current Study

In 1982, Carol Gilligan's *In a Different Voice* highlighted the need to incorporate women's voices into psychological research, particularly in developmental and moral psychology [23]. Through her studies on topics such as abortion and moral judgments, she observed that psychology was dominated by male perspectives, which were often generalised to women [23,24]. This led to the development of the feminist 'Listening Guide' method, which focuses on understanding the individual's subjective experience through active listening and contextual analysis [25]. The 'Listening Guide' leads the focus by assessing the psychological features of the subject, how they navigate the specific terrain of inquiry and what parts of their subjective experience speaks to the researcher's explorations. This 'Guide' is a way of engaging with the participant and their data through close listening, active responding and contextual positioning [26]. Where both the 'Listening Guide' and the I-poem were used informally in *'In a Different Voice'*, they have now been considered a more creative and participatory mode of inquiry [27]. The 'Listening Guide' and the use of I-poems, where each line starts with "I", emerged to better capture personal voices [26,28]. I-poems are created through a flexible, systematic approach that allows for a creative, emotional engagement with data, offering qualitative insights that quantitative methods cannot [29]. This approach enables the capture of a 'felt sense'—the emotional responses participants experience, which are conveyed in their words [24,30]. These words in the form of poetry take this 'felt sense' a step further, reaching parts of the human psyche that simple prose, and certainly quantitative research, cannot [20,31]. By highlighting the emotional dimensions of PA, I-poems enable a more focused analysis of how undergraduate university students' emotions intersect with health and well-being behaviours. This ultimately sheds light on the intricate psychosocial factors that motivate or impede participation in exercise and influence a student's holistic well-being.

Although the use of creative arts-based methods has become a novel research method within qualitative research, limited evidence exists on how these methods have been employed to understand undergraduate university students' PA participation and the psychosocial factors that shape their engagement experiences. Previous studies have either focused on (1) young people's emotions during COVID-19 [27], (2) disabled cyclists [32], or (3) adventurous play among children [33]. Furthermore, few have studied the health behaviours of university students through poetic inquiry [21,34]. Thus, a gap in the research exists regarding the application of creative arts-based methods to explore undergraduate university students' PA participation and the psychosocial factors influencing their engagement, particularly in the context of university settings [18]. Therefore, through the use of the 'Listening Guide', this study aimed to explore students' PA participation by providing insights into the psychosocial factors that shape their experiences.

2. Materials and Methods

2.1. Study Design and Location

This study qualitatively explored students' PA participation, by providing insights into the psychosocial factors that shape their experiences. This study was conducted among students at a University in the Western Cape province of SA. Online interviews via Google Meet were used to ensure that all students, regardless of whether they were on or off campus, had an equal opportunity to participate in this research study. This enabled the researcher to reach a broader and more diverse student group.

2.2. Sampling and Recruitment

This study was part of a broader mixed-methods research project investigating the relationship between psychosocial factors and PA participation [9]. For the purpose of

this study, only the qualitative findings are presented. Eighteen undergraduate students ($n = 18$) were conveniently sampled after completing a quantitative survey in the larger study and voluntarily consented to participate in online interviews. Eligibility criteria required participants to be full-time registered university students at a university situated in the Western Cape province of SA. Students were excluded if they were under 18 years of age, registered for part-time or semester-based courses or if they declined to provide written informed consent. Prior to data collection, all participants received an information sheet outlining the study's objectives, potential risks and benefits and the researcher's contact information.

2.3. Interview Instrument

The semi-structured interview questions were formulated based on a review of the relevant literature [5,8,11] and findings from a previous study that adopted a mixed-methods approach [9]. The primary researcher compiled the semi-structured interview schedule (Table 1), which included questions concerning PA.

Table 1. Interview schedule.

Category	Interview Questions and Probe Questions
PA	<ol style="list-style-type: none"> 1. What do you understand by the term PA? 2. What is the daily/everyday lifestyle of a university student? 3. Is being physically active a positive or negative aspect? Why? 4. What influence do you think PA has on your life? (What type of influence is that, do you think, for example, good or bad?) 5. Are you physically active? If not, why not? If yes, what helps you to be physically active? 6. If you are physically active, what type of activities would you participate in? Why? If you are not physically active, what would you like to participate in? 7. What are the barriers to being physically active? (What restricts you from being physically active?) 8. What are the facilitators of being physically active? (What enables you to be physically active?)

Note: PA = physical activity.

2.4. Data Collection

Individual interviews were conducted online in English, the primary language of instruction at the institution. Prior to the main data collection, a pilot study was carried out in July 2023 with two undergraduate students who were not part of the final sample. The pilot study aimed to assess the duration of the interviews and test the research methods [35]. To preserve the integrity of the main study's findings, data from the pilot participants were excluded from the analysis. From July to August 2023, a total of 18 interviews were conducted via the Google Meet platform, with each session lasting between 45 and 60 min. Interviews were audio-recorded with the consent of the participants. The interview process followed a structured format, including introduction and rapport building, questioning, probing, summarisation, and concluding remarks. Participants were asked open-ended questions concerning PA and its influencing psychosocial factors (such as 'What does PA mean to you? What influences your engagement in PA?'). Saturation was reached after the 18th participant, as no new themes or insights emerged from the data. Data were analysed (verbatim) immediately after each interview. The interview transcripts were transcribed by the primary researcher and subsequently sent to participants for member checking. This provided participants with the opportunity to review and supplement any missing or

overlooked details. Participants were asked to confirm the accuracy of the transcripts and the information provided. Data analysis was initiated once the member checking process was completed (where participants were provided with their transcripts to review and verify the accuracy of their information, allowing them to offer corrections or clarifications as part of the member checking process).

2.5. Data Analysis Steps in 'The Listening Guide' Approach of Qualitative Research

A reflexive thematic analysis approach was adopted for this current study [36]. An inductive approach was employed, ensuring that the analysis was driven entirely by the data, instead of being guided by existing theories or frameworks [37]. The transcribed interview recordings were uploaded to the qualitative analysis software, namely Atlas Ti., V8. To ensure anonymity, the participants' names were replaced with pseudonyms. Moreover, previous research employing the same Listening Guide approach for qualitative studies was adapted and utilised [30] (Figure 1). Due to the anonymised and online nature of the current study and the large number of participants, the process of each step was adapted to suit these circumstances. The 'listensings' were instead 'readings', and active responding was not possible [30]. This approach involved four steps. Step 1 focused on transcribing the data. In this study, all participants' interviews were transcribed verbatim to ensure that all verbal expressions, pauses and notable emotional tones were captured to preserve the authenticity of the students' voices. Transcriptions were maintained in a clean and well-organised format to facilitate easier reading and analysis. Step 2 focused on reading for the plot. In this stage, researchers asked the questions, 'What is the story that is being told?', 'What are the students' experiences?' Key events and emotionally significant moments were highlighted. Themes related to PA participation and the influence of psychosocial factors emerged. Attention was paid to metaphors, symbols and emotionally charged language, which provided deeper insights into the students' experiences. Step 3 focused on reading for the 'I'; this included how participants positioned themselves within their narratives. 'I-statements' from the transcriptions were identified and highlighted, capturing how students expressed their feelings, thoughts and actions concerning PA engagement and their psychosocial factors. Expressions of agency, as well as instances where participants described feeling limited or constrained, were documented. This analysis provided insight into participants' self-perceptions and their engagement with PA. Lastly, Step 4 focused on creating the 'I' poem, generated from the transcriptions, to highlight participants' inner voices. The 'I-statements' were extracted from the transcripts and arranged into poetic stanzas. The original order of the statements was preserved to maintain the rhythm and authenticity of each participant's narrative. The resulting I-poems captured the personal journeys, struggles and triumphs of the students, offering an intimate representation of their PA and psychosocial experiences.

Furthermore, the I-poems were thematically analysed. Thematic analysis was selected due to its effectiveness in identifying patterns across the data, reflecting the participants' lived experiences and perspectives [37]. This thematic process followed the four phases of theme development, namely initialisation; construction; rectification; and finalisation [38].

In the initialisation phase, the transcriptions were carefully reviewed, with meaning units highlighted and codes generated, alongside the recording of reflective notes (for instance, MH for mental health, PA for physical activity: for example, "I feel anxious when I skip the gym" was coded as MH(A) for anxiety, and "I lose motivation when I'm alone" as M(L) for loneliness influencing motivation). In this phase, the Listening Guide was applied, which focuses on understanding the participants' voices and perspectives through a nuanced, multi-layered analysis. Each participant's narrative was considered not only for content but for tone, emotion and emphasis, capturing the depth of their experience. In

the construction phase, the focus shifted to categorising the data by comparing the codes for similarities and differences relevant to the research questions, and assigning labels that accurately represented the participants' perspectives. The Listening Guide approach further supported this process by examining the participants' varying layers of meaning, such as their affective and relational expressions, helping to ensure the themes were grounded in the lived experiences of the participants. The codes were then grouped into themes, reflecting both the content and emotional undertones present in the data (for instance, MH(A) for anxiety and MH(D) for depression were grouped under the main theme: Mental health and the subtheme "Mental health challenges"). During the rectification phase, a self-correcting process was applied, where the researchers distanced themselves from the data to ensure consistency between the methodology and the findings. This phase included revisiting the Listening Guide's framework to reassess the interpretations and ensure the themes remained true to the participants' voices. This iterative process enabled the researchers to navigate between the data and the study's objectives, ensuring alignment and coherence while respecting the complexity of the participants' experiences. Once the themes were established and cross-referenced with the literature, thematic statements were formulated. Throughout this process, the Listening Guide was used to ensure that the themes reflected not only the content but also the emotional and relational aspects of the participants' narratives. This approach allowed the researchers to capture the full complexity of the themes, ensuring that the subtleties of tone, emotion and emphasis were integrated into the thematic statements. In the finalisation phase, the researchers developed a narrative that connected the themes to address the study's objectives. This narrative was informed by the Listening Guide, ensuring that the final interpretation honoured the participants' voices and perspectives. Subsequently, the themes were organised into a thematic table, which was reviewed and revised by the co-researchers. Sub-themes were merged where similar contexts or emotional undertones were shared, ensuring coherence across the findings. The table underwent multiple revisions, incorporating the feedback and refining the connections between themes, before the final main themes and sub-themes were agreed upon by the researchers [9].

I-poems were chosen as an analytical tool to complement the traditional thematic analysis by centring students' voices in a more personal, affective and embodied way [30]. While thematic analysis effectively identifies patterns across data, it may sometimes distance the reader from the emotional depth and individuality of participants' experiences. I-poems preserve the participants' language, rhythm and emotional cadence [29]. This method is inherently reflective, offering participants the opportunity to explore their thoughts and emotions surrounding their PA experiences. Through this reflective process, students are able to express not only their successes but also the internal struggles they may face [29], such as battling with motivation or coping with social pressures that influence their commitment to exercise. It is through I-poems that these complex emotional layers come to the surface, allowing participants to articulate moments of self-doubt, joy, frustration or accomplishment. These reflections provide a more holistic view of health behaviours, one that acknowledges both the highs and the lows that form the foundation of an individual's PA journey. The poetic form amplifies the affective dimensions of their psychosocial journeys, such as vulnerability, resilience and self-discovery, that might be diluted in traditional coding processes. Traditional research methods, such as surveys, often focus on broad measures that may overlook these emotional cues [34,39]. Therefore, by humanising the data and making student voices more audible and impactful, I-poems provided an additional interpretive layer that enriched both the analysis and the practical applications of the findings [29].

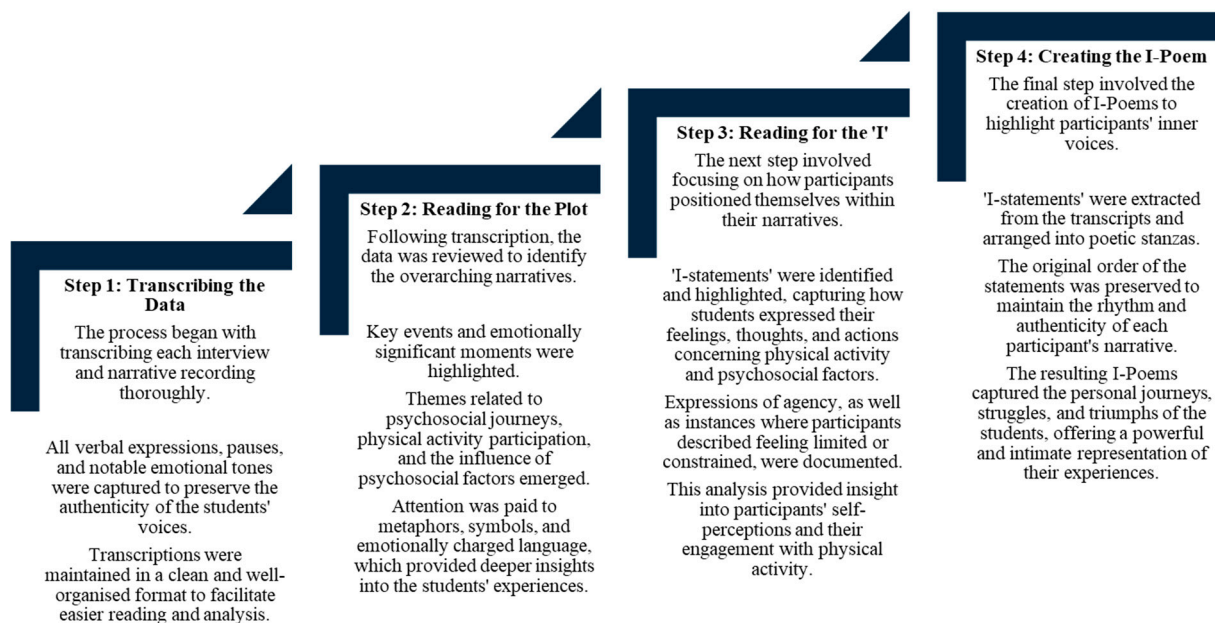


Figure 1. Data analysis steps in 'The Listening Guide' approach of qualitative research.

2.6. Reflexivity and Trustworthiness

Reflexivity and trustworthiness are essential in qualitative research to ensure objectivity and credibility. Reflexivity requires researchers to reflect on how their personal assumptions may influence the research process [40]. In this study, the researchers examined their biases and consulted with co-researchers for peer review, ensuring objectivity and reporting in the third person. Trustworthiness may be established through credibility, transferability, and confirmability [41,42]. Credibility was ensured through triangulation and member checking, while transferability was achieved through thick description to make findings applicable to similar populations. Confirmability was maintained by being transparent about biases and documenting decisions in audit notes [43].

2.7. Ethical Considerations

Ethics approval for this study was obtained from the Humanities and Social Sciences Research Ethics Committee at the University of the Western Cape (Reference: HS21/10/24) prior to its commencement. Permission was also granted by the Registrar's Office to recruit students for participation. Participation in this study was entirely voluntary, and students who agreed provided electronic informed consent. Following consent, the researcher and participants arranged interviews at mutually convenient dates, times and locations. Participants had the right to withdraw from this study at any time without any consequences and were informed that they could skip any questions they preferred not to answer. This study adhered to the principle of non-maleficence, ensuring that no harm was caused during the interview process. To maintain confidentiality and anonymity, pseudonyms were used in place of participants' real names.

3. Results

3.1. Demographics

Table 2 shows the demographic information of the students who participated in this study. The majority of participants were female (9 out of 11), with ages ranging from 19 to 23 years. This study spans across various academic disciplines, including Sport, Recreation and Exercise Science, Physiotherapy, English and Sociology, Social Work, Biotechnology, Nursing, Industrial Psychology, and Sociology. Most participants were in their second

($n = 4$) or third ($n = 4$) year of study, with one participant in their first year and two in their fourth year.

Table 2. Demographic information of participants.

POEM NUMBER	PSEUDONYM	GENDER	AGE	YEAR OF STUDY	DEPARTMENT STUDENT IS STUDYING IN
1	Cassidy	Female	21	3	Sport, recreation and exercise science
2	Nozi	Female	21	2	Physiotherapy
3	Chelsea	Female	20	2	English and sociology
4	Zanele	Female	23	3	Social work
5	Gabby	Female	20	2	Sport, recreation and exercise science
6	Rose	Female	19	2	Biotechnology
7	John	Male	21	3	Physiotherapy
8	Zinzi	Female	19	3	Nursing
9	Matthew	Male	20	1	Social work
10	Aphiwe	Female	21	4	Industrial psychology
11	Thandi	Female	22	4	Industrial psychology

3.2. Thematic Categories and I-Poems

Table 3 presents the main and sub-thematic categories derived from the participants' narratives. Four key themes, PA, mental health, motivation and social support, were identified, each with four corresponding subthemes. An I-poem was created for each of the 18 undergraduate university students in this study. However, for the purpose of this research article, only 11 I-poems were included. This was due to the need to focus on a manageable subset of data that most effectively represented the key themes and experiences relevant to the study's objectives. The selected 11 participants were chosen based on the diversity of their responses, ensuring that a broad range of perspectives on PA and its influence on psychosocial factors were captured. Mental health as a psychosocial factor was a prominent topic among the student participants, which ultimately determined their health behaviours. The participants' I-poems spoke about mental health, such as anxiety, depression and stress and its role on determining their health behaviours.

Table 3. Themes generated from the I-poems.

Main Theme	Subtheme(s)
PA	<ul style="list-style-type: none"> Types of activities Consistency and barriers to participation The role of enjoyable and accessible activities Influence of physical activity on overall fitness and routine Mental health challenges (depression, anxiety, stress)
Mental health	<ul style="list-style-type: none"> PA as a coping mechanism for mental health Influence of body image and self-esteem on motivation to be active Emotional regulation and mood improvement through PA Setting goals and accountability structures
Motivation	<ul style="list-style-type: none"> Influence of external motivators Barriers influencing motivation Use of digital resources and self-reliance in maintaining motivation Importance of friends, family and peers for encouragement and accountability
Social Support	<ul style="list-style-type: none"> Role of social groups and clubs in fostering PA participation Feelings of isolation and trust issues hindering social support Influence of social media and peer networks on motivation and connection

Note: PA = physical activity.

Poem 1 shows Cassidy's view (Figure 2). The participant reflected on their engagement with PA, describing it primarily as intense exercise, although they also participated in Pilates and set smaller, achievable goals such as reaching 5000 steps per day. They acknowledged the connection between PA and mental health, noting that it served as a crucial outlet for managing high-functioning depression and attention-deficit/hyperactivity disorder (ADHD). She emphasised the importance of social support in motivating PA, expressing that being part of a sports club would provide a space for both social connection and motivation. Family dynamics and societal pressures, particularly regarding body image, also played a significant role in their motivation to stay active, although they recognised the potential for toxic encouragement within these influences.

I FEEL UNHAPPY

Cassidy – Poem 1

I identify as a female.

I'm 21 years old.

I'm in third year.

I study, come home, do my regular stuff, sleep late.

I have time or not.

I think physical activity is intense exercises.

I mean, there's different types of students.

I mean, I do pilates.

I haven't been happy with my body.

I get to a point when I am at rock bottom.

I feel unhappy.

I have to be at that stage where I am really unhappy for the discipline, motivation to kick in.

I think it would be easier for me to just fall into a physical lifestyle with other people.

How can I imitate that?

I have depression.

I'm high-functioning depression.

I think having an outlet to do certain stuff.

I think it's very important.

I think if you were to join a sports club, that's where your friends are.

I think being motivated is important.

I know not everybody comes from privilege.

I think that's important, to be in a space where that's encouraged.

I come from a white school.

I feel that is instilled in me.

I think people would like to participate to be the stereotypical sportsperson.

I don't know.

I think my family, which is coloured, there is a lot of pressure for a girl to be thin.

I think that personally motivates me to be physically active.

I would go to someone who does sports.

I see the toxic encouragement.

I mean it could help for certain people.

I think small exercises and small things can change throughout your life.

I'm ADHD.

I like having something I can see.

I set the goal beforehand.

I want to see rewards.

I'm almost there to 5,000 steps in the day.

Figure 2. Poem 1.

Poem 2 showcases Nozi's perceptions (Figure 3). She reflected on her daily routine, acknowledging the challenges she faced in balancing PA with academic life while living off-campus. They expressed interest in physical activities such as yoga and joining the gym, but struggled with consistency, often finding it difficult to maintain regular exercise. Nozi highlighted the role of social support, suggesting that having a friend to exercise with would increase their motivation. They mentioned being influenced by social media but felt that PA did not necessarily help them physically; instead, it benefited their mental health by reducing overthinking. Nozi recognised the importance of mental health and the impact of exercise on their well-being, though they also felt isolated in terms of social connections, citing trust issues and difficulty in making friends. Cultural factors were mentioned as a potential barrier to PA, but Nozi expressed interest in exploring different sports through platforms like YouTube.

I'VE BEEN STRUGGLING

Nozi – Poem 2

*I wake up early.
I need to wake up early.
I don't know how my day will go.
I stay off campus.
I either have to wake up early or stay late.
I think on campus it's the same.
I don't think we're sedentary.
I think maybe not getting into a sports team.
I'm the only one at home.
I don't live on campus.*

*I learned that there's a hiking club.
I didn't know.
I feel like there's not a lot of information.
I know a lot of students enjoy the swimming lessons.
I know that they offer free swimming.
I don't think a lot of students are aware.
I want to join the gym.
I think the gym fee.
I don't think there are any barriers.
I do it at my place.
I'm not as consistent.*

*I can be consistent, say for a week.
I'll just forget about it.
I'll just move on with my life.
I feel bad about it.
I'll do it again in three weeks.
I just have a bad week.
I feel like if I just do some yoga, I'll be fine.
I don't do it in front of people.
I don't want to exercise in front of people.
I think it's far better.
I think maybe if I had a friend to do it with, that would motivate me.*

*I see people exercising on social media.
I'm just scrolling.
I see somebody working.
I'm like, okay.
I don't think physically it helps me.
I think of mental health.
I think not overthinking a lot.
I was once told by someone that your brain produces a lot of thoughts.
I think that piece of information was impactful.
I think it can help you with direction.
I mean, if you do it at the end of the day, it just adds to the exhaustion.*

*I think waking up in the morning, I'm doing something.
I'm just not at school.
I'm also going to the gym.
I think social support is more: are you being heard?
I've been struggling.
I'm still struggling.
I'm really struggling to get friends.
I'm still holding onto people.
I don't know; I just have trust issues.
I didn't train.*

*I just want to be part of the experience.
I think it does play a big role.
I think it's quite beneficial.
I don't know if I'm motivated or if it's pressure.
I think it's a mix of both.
I'm also doing it; I'm also working out.
I think that's the impact it has.
I think also moving from class to class.
I think it depends on the type of family you come from.
I'm not sure about culture.*

*I don't think that's applicable in my culture.
I've never heard of anything like that, culture leading to physical inactivity.
I think that's where I would possibly turn to.
I can't go out and run; I'm scared.
I think maybe it's safer for males.
I go with like three men; I won't do it alone.
I found out about YouTube.
I could find different people.
I think it exposes you to various forms of sports.*

Figure 3. Poem 2.

Poem 3 delves into Chelsea's experiences (Figure 4). The participant reflected on their past engagement with PA, acknowledging the importance of moving and sweating for overall well-being, though they struggled with consistency due to a decline in their fitness and mental health. They expressed a sense of self-consciousness and low self-esteem, especially regarding body image, which was influenced by family genetics and social comparisons with media portrayals. Chelsea highlighted the connection between mental health and PA, noting that exercise, particularly strength training and yoga, improved their sense of capability and well-being. The participant mentioned social support, recognising the positive influence of friends, holding them accountable and providing camaraderie, which motivated them to engage in PA. Despite this, they expressed concerns about body image issues, body shaming and the unrealistic portrayals in the media, calling for more body neutrality. They also suggested that better advertising of group activities and sports could encourage more students to get involved.

Poem 4 shows Zanele's journey (Figure 5). She expressed a desire to be physically active, though they felt they were currently in the middle, neither highly active nor sedentary. They reflected on the importance of mental health before PA, emphasising that mental well-being was foundational to engaging in exercise. Zanele shared past experiences in team sports such as hockey and softball, which served as a form of escape from academic and personal stresses. They acknowledged the social support they received from peers, which played a crucial role in their motivation to engage in PA, though they often felt that they needed an external push and accountability to stay active. Despite recognising their own ability to plan and organise, the participant admitted that they struggled to maintain motivation without others to encourage them. They also mentioned the impact of body image, comparing themselves to peers and feeling pressure as they approached their mid-20s. Their PA was further hindered by an injury, which had contributed to a more sedentary lifestyle. The participant stressed the importance of external motivation, especially from family or a social network, in maintaining an active routine. Although they expressed frustration with balancing academics and sports, they recognised that having a plan and being pushed by others, such as their mother, helped them stay on track with their fitness goals.

Poem 5 focuses on the reflections of Gabby (Figure 6). She expressed concern about living in a dangerous area, which prevented outdoor activity. She mentioned struggling with low self-esteem and depression, believing these factors hindered motivation for exercise. Gabby wanted to improve her mindset and felt that better mental health would lead to better motivation. While she recognised the importance of motivation and discipline, she often felt too lazy or scared to exercise, citing financial constraints like not being able to afford a gym membership. She was interested in beginner exercises, particularly walking and nature activities, and preferred exercises she enjoyed. Gabby also valued social support and thought an accountability buddy would help. She was studying sports science and planned to join a university gym if she didn't start exercising before graduation, hoping to improve her physical and mental health.

Poem 6 delves into Rose's experiences (Figure 7). She communicated a desire to stay physically active, particularly through gym workouts, but faced challenges with motivation, especially when feeling sad or tired. Rose acknowledged the importance of motivation in her routine, often relying on external sources like programs and the internet to stay engaged. Financial constraints, such as the cost of a gym membership and time management between academic work and PA also posed barriers, but she aimed for a balance between the two. Social support appeared to play a minor role, as she sometimes relied on others at the gym for encouragement. Despite setbacks like lack of energy or distractions, Rose continued to strive to incorporate PA into her routine, recognising it as an essential part of her well-being.

I USED TO BE MORE FIT
Chelsea – Poem 3

*I think any form of moving and sweating is good.
 I guess.
 I think some form of moving helps.
 I hope so.
 I don't know.
 I know there are active students.
 I feel the majority are just trying to get their assignments done.
 I used to be more fit.
 I feel like my mental health kind of took a dip.
 I feel like it goes hand in hand.
 I do know that.*

*I'm not fit anymore.
 I don't know.
 I was online for a while.
 I don't know anyone really.
 I know maybe five people.
 I think I'd be really self-conscious.
 I don't know, self-esteem-wise.
 I just feel like I'm not there.
 I suppose genetics plays a role.
 I feel my family are mostly big people.
 I don't know.
 I suppose that's genetics for me.*

*I first started gymming.
 I quite like weights—like lifting.
 I feel very capable when I do it.
 I don't like cardio.
 I think it's just the strength training I like.
 I love yoga.
 I think yoga is great.
 I feel like being physically active helps.
 I need to be motivated to get up.
 I don't get much done without it.*

*I think a lot about when my friends are physically active.
 Maybe I can do it too.
 I think mental health is the well-being of your psyche.
 I mean, you have your disorders.
 I feel like your physical body and mental health intertwine.
 I feel if one is healthy, it helps the other.
 I think so.
 It makes me feel really good when I am active.
 I think they work hand in hand.*

*I feel like when I'm physically active, it makes me feel capable.
 I get home.
 I feel like I've run a marathon.
 I'm on campus.
 I've always thought about trying out the gym.
 I've never actually been there.
 I think.
 I don't know.
 I know what helps me is when friends hold me accountable.*

*I think it would be mental health support.
 I think of social support.
 I feel there's a sense of camaraderie.
 I feel like friends make me feel good about myself.
 I feel like there are often double standards.
 I think that makes me feel uncomfortable.
 I think the media for sure.
 I want to look like this.
 Why don't I look like this?
 I feel the media and body shaming.
 I suppose young people can't decipher between real and attainable.
 I think it's the cons of body positivity.
 I feel we need more body neutrality.*

*I feel like food is such a big part of our culture.
 I feel like for my family, it's everything.
 I think my number one person would be my brother.
 I don't know.
 I dislike this hierarchy.
 I'd go to my brother or my friends.
 I think I'd go to them.*

*I used to run religiously.
 I find it very therapeutic.
 I also found it really scary.
 I feel now, I'm not as fit.
 I won't be running that fast.*

*I feel like people are always on their phones.
 I feel like more people would be keen to get involved.
 I said before, it's unattainable.
 I think it would be cool for students.
 I know there are groups already.
 I feel like if there were more advertised groups, I would be keen.
 I think it's nice when there's a team involved.
 I can help out with that.*

Figure 4. Poem 3.

Poem 7 shows John's perspectives (Figure 8). He reflected on his evolving relationship with PA, initially sceptical about its importance, but later recognising its benefits for stress relief and overall well-being. John acknowledged the crucial role of social support, both from peers and trainers, in staying active and motivated, emphasising that he was motivated not just for himself but also for others. Peer pressure and social pressure influenced his participation in activities such as joining the gym, though he viewed these pressures as both positive and negative. Despite challenges such as low motivation and

health constraints related to type 1 diabetes, he remained committed to his health journey, engaging in activities like Zumba and strength training. John also noted the importance of having the right tools and information, sometimes seeking resources like articles for guidance. His experience suggested that motivation, social support, and peer influence were key factors in sustaining an active lifestyle.

I'M IN THE MIDDLE

Zanele – Poem 4

*I think there are some students that are very physically active.
I'm in the middle.
I'm in the middle.
I want to be physically active.*

*I'll do some things.
I'll get myself busy.
I'm in the middle.
I'm more... let me sit down.
I don't think I need physical activity.
I had to be active.
I would play a sport.
I'm more of a team sport player.*

*I need some people to motivate me.
I don't think I can be motivating enough for myself.
I feel like a team.
I've always loved tennis.
I had a problem with my leg.
I also don't really do much because of my injury that I had.
I'm just at home.
I'm doing nothing.
I'm just on the phone.
I'm just in the kitchen.
I want to go and eat something.*

*I'm going to do it today.
I'm going to go to the gym.
I'm going to take a little walk.
I'm going to run.
I'm just going to do something.
I just end up being on the bed.
I feel like having someone to push you.*

*I know there are times when my mom would push me.
I have to draw up a whole plan.
I have to like strategise.
I wake up.
I hit the gym.
I walk.
I do something.
I'm cleaning.*

*I can't balance, to be honest.
I have to have one focus.
If I'm doing sport, it will only be sport.
If I'm doing academics, it will only be academics.
I'm tired.
I don't want to do it.*

*I feel like a lot of people know what mental health is.
I feel like before physical, there has to come the mental.
I feel like you cannot just go,
I feel like before the physical comes the mental.*

*I used to play sports.
I used to balance my school and sports.
I found it as a way to escape.
I found it as a way to just put aside all the stress.
I'm playing hockey, my mind is not on school or the stresses of home.
I'm going through it, personally.
I'm here.
I'm playing hockey.
I'm playing softball.*

*I feel like the majority of students prefer sports.
I think it just depends on the type of students.
I've noticed the gym.
I would say people go for the gym.*

*I can say that, my perception... I'm cared for.
I have assistance.
I have the support.
I'm actually part of a social supportive network.
I think it is important.*

*I'm the only one that's not physically active.
I feel like that speech doesn't work for me.
I will snooze it off.
I don't want to do it.
I'll only do it when having that constant push.
I need someone.*

*I can do things on my own.
I can plan.
I can strategize.
I can, you know, organize.
I can do things on my own.
I need someone to push me.*

*I'm seeing them all.
I see them.
I'm looking at myself.
I'm turning 24.
I look at another 24-year-old.
I'm happy with my body.
I'm just like, damn, okay.*

*I think my peers do push me.
I would say, the majority.
I would say it plays a big role.
I'm getting old.
I need to start getting into physical activity.*

Figure 5. Cont.

I think my peers do push me.
I would say, the majority.
I would say it plays a big role.
I'm getting old.
I need to start getting into physical activity.

I'm always in bed.
I've been going out.
I have been going out.
I've been at home.
I was doing sports.
I think she wants me to gain back that motivation.
I had the body I wanted.
I put on a little bit of weight.
I'm not complaining.

I need to know how to maintain my body.
I did stress eat.
I think that pertained to the weight.
I couldn't control my eating habits.
I need something in my mouth.
I need to eat.
I'm not quite sure.
I think that's also demotivating.

I'm more focused.
I actually went, like, on Pinterest.
I got some home exercise techniques.
I'm going to do it.
I don't do it.

Figure 5. Poem 4.

Poem 8 delves into Zinzi's journey (Figure 9). She discussed her experience with PA, identifying as active through rugby but also feeling that many people were sedentary. Zinzi highlighted the calming effects of dance and the importance of having a goal to stay motivated. She shared how PA had contributed to her mental health, describing herself as feeling mentally healthier and better able to cope. Zinzi expressed a desire for social support, acknowledging that she could improve in this area and preferred not to be active alone. Motivation played a key role in her engagement, with rugby serving as a consistent reference point for her goals, although she also expressed challenges in staying fully motivated and improving.

Poem 9 shows the perspectives gathered from Matthew (Figure 10). He reflected on his PA journey, noting that while he had once enjoyed going to the gym, his motivation declined due to financial challenges and a lack of stability, leading to a decrease in activity. Matthew expressed a desire to return to the gym, recognising the positive effects exercise had on his mental health, such as feeling calmer and more focused. Despite currently being less active, he had planned to resume exercising and was motivated by the prospect of improving his well-being. The participant emphasised the importance of having social support for staying active, though he remained uncertain about how external factors like religion influenced his PA. He relied on self-directed learning through resources such as Google and YouTube to inform his fitness journey, valuing the convenience and accessibility of online information.

IDON'T EXERCISE**Gabby – Poem 5**

*I live in an area that's considered dangerous.
I'm scared.
I might just get robbed.
I probably won't walk outside.
I obviously can walk.
I want to walk.
I'd walk.
I'll walk a kilometer.
I want to walk 500 meters today.
But I most probably won't because it's dangerous.*

*I don't exercise.
I don't exercise.
I don't exercise.
I'm too lazy.
I'm scared.
I don't like gym pain.
I don't have a gym membership.
I can't spend most of my NSFAS on a gym membership.*

*I told myself I do want to join the gym.
I'll most probably join the gym.
I'll join the university gym.
I think it's a good thing.
I'll find the time to do a gym session.
If I don't start exercising by the time I graduate,
then there's a problem.*

*I think physical activity is like, actually exercising.
I don't know if I'm right.
I like walking.
I'll walk a lot.
I like nature.
I'll most probably, like, go to exercise parks.
I would stick to exercises I enjoy.
I would always try my best to have a buddy.*

*I'm a social person.
I thrive off being social.
I'd most probably always have someone exercising with me.
I have an accountability buddy.
I think an accountability buddy would help me.*

*I've seen a lot of students struggling with depression.
I think depression, and low self-esteem, could stop you.
I have low self-esteem.
I'm constantly comparing myself.
If I change my self-esteem, I change my mindset.
I want to be happier.
I want to exercise to feel better.
I feel better.*

*I've seen a lot of students struggling with depression.
I think depression, and low self-esteem, could stop you.*

*I have low self-esteem.
I'm constantly comparing myself.
If I change my self-esteem, I change my mindset.
I want to be happier.
I want to exercise to feel better.
I feel better.*

*I think motivation helps.
I think discipline takes over.
I told myself the other day,
I don't really want to exercise.
I think my body's fine.*

*I job-shadowed at a gym.
I saw there were athletes.
I didn't see people with disabilities.
I think self-esteem is a barrier.
I've noticed by job shadowing,
I saw him progress.
I saw some improvements.
I didn't nurture those relationships.*

*I feel like before the physical comes the mental.
I think discipline.
I mean motivation.
I'm studying sports science now.
I'm learning.*

*I would exercise to improve my sleep.
I'd like to do full-body exercises.
I'd like beginner full-body exercises.
I'm a beginner person.
I'm a personal trainer.*

*I was helping someone with his exercise programme.
I found an app.
I've seen a couple of social media influencers have their own app.
I think technology is very important.
I'd go to the gym.
I'd consider it.*

*I'm trying to improve my social, my soft skills.
I put myself under a challenge.
I came across a lot of people.
I'm just going to exercise.
I'll get to my goal eventually.*

Figure 6. Poem 5.

I'M OF THE 50%**Rose – Poem 6**

*I just like being active and going to the gym.
I drive to campus.
I get back from campus.
I try to do it two days a week.
I go to the gym.*

*I have my academic side.
I have my physical activity.
I think it's 50/50.
I'm of the 50%.
I try to show up.
I don't get home too late.
I need to hand in something.
I'd rather do the academic part.*

*I still have to go to the gym.
I could be finishing something else.
I feel like gyming.
I tried getting a gym membership.
I feel like 90% motivation.
I would say motivation plays a big role.
It's cold.
I'm too late.
I'm tired.
I need a whole preparation.
I'm going to go gym at 10 o'clock.*

*I'm ready.
I'm easily thrown off.
I think the T-shirt isn't fitting my shoes.
I'm like, it's not meant to be.
I want to know what I'm going to do.
I have a program.
I want a program.
I think that would keep me motivated.*

*I get there.
What do I do now?
I can leave now.
I can try three sets tomorrow.
I saw that.
I'm going to help you.
I'm going to do three sets.
I get to the second set.
I felt tired.
I'm telling myself, 'Okay, I'm tired.'*

*I'm feeling sad.
I don't like getting out of bed.
I don't feel like doing anything.
I can always catch up with my work later.
I want to do leg day.
I want to do arms.
I'd look for what I can do.
I can just go to the internet.
I'm so used to it now.*

*I'm feeling sad.
I don't like getting out of bed.
I don't feel like doing anything.
I can always catch up with my work later.
I want to do leg day.
I want to do arms.
I'd look for what I can do.
I can just go to the internet.
I'm so used to it now.*

*I'm currently at Virgin Active.
I feel like it's expensive for a student.
I'm not on campus.
I'm at home.
I would want to go the gym.
I think of how we're moving away from books.
I don't need to go to the library.
I feel like it's linked to motivation.*

*I'm not going to go read things.
I was doing research.
I realized it didn't help.
I engage in a program.
I like programs.
I started doing it.
I'm going to start doing it too.*

Figure 7. Poem 6.

I REALLY ENJOYED THAT**John – Poem 7**

*I don't think students are active.
I don't think physical activity plays such an
important role.*

*I think of some of the barriers I had in first year.
I think people don't have the correct tools.
I think that's a constraint.*

*I'm already behind.
I'm referring to a gym now.
I mean, let's say Zumba.
I think that's a constraint.*

*I'm on my health journey.
I wouldn't say athlete fit.
I am somewhere in between.
I'm doing a strength-type programme.
I think it's like toning.
I try to minimise my body fat.*

*I also partake in cardio.
I think the most enjoyable point is...
I think it's an adjunct to actually living a better
lifestyle.
I'm already on my health journey.
I want to strive forward.*

*I think that's the joy of actual physical activity.
I think that's what's enjoyable.
I think that is very joyful.
I really enjoy that.*

*I really enjoy Zumba.
I really enjoyed that.*

*I feel like it plays the most important role.
I have type 1 diabetes.
I wasn't very physical in primary school.
I got to high school.
I had to start being active.
I had low motivation.
I have to manage my blood glucose.
I think if you don't have the motivation, you won't
be consistent.*

*I'm actually seeing the benefits.
I feel like physical activity is a release for stress.
I think social support is everyone that plays an
important role.
I get support from them to stay fit.
I'm not only doing it for myself.
I'm doing it for them.*

*I'm actually seeing the benefits.
I feel like physical activity is a release for stress.
I think social support is everyone that plays an
important role.
I get support from them to stay fit.
I'm not only doing it for myself.
I'm doing it for them.*

*I think that's our type of fun.
I think there are many social and peer pressures.
I'm not able to actually highlight it.
I just think that social and peer pressure can
make or break a student.
I got peer pressured.*

*I was physically active.
I wasn't actually a gym member, I was actually
pressured into joining the gym.
I was social.
Was pressured into that.*

*I see this person doing this.
I also want to try and see if I'm capable.
I would refer to Google.
I would ask my personal trainer first.*

*I think that actually pressurizes everyone to join
the gym.
I think it can be positive.
I can extend my lifespan.*

*I start with moderate or high-intensity physical
activity.
I think social pressure plays a role.
I think it's more like an enhancer of our lives.
I think the gadgets really improve certain
functions of people.*

*I think social media's role is more on education.
I wouldn't necessarily use social media.
I won't use social media to get information.
I would use it sometimes.*

*I want to see an article.
I want it to be structured.
I want the information.
I want to see a typed-out article.
I would want the information to be relayed to me.*

Figure 8. Poem 7.

Poem 10 (Figure 11) focuses on Aphiwe's experiences as a sportsperson, balancing academic and PA commitments. She acknowledged a decline in fitness after being out for over a year but still viewed herself as generally fit. The participant integrated her training through the gym and running, motivated by the need to stay fit for sports. She highlighted the importance of motivation in maintaining her PA routine. While she typically relied on self-reliance, she also sought social support from a physiotherapist and peers when needed. Aphiwe was open about her struggles with depression, recognising its potential to worsen, but remained committed to working out and staying active to improve her mental health.

I LEARNED TO COPE**Zinzi – Poem 8**

*I feel like a lot are a bit sedentary.
I don't want to see everyone as a collective.
I am active.
I do play rugby.
I will always think of myself as a bit in the middle.*

*I feel like a lot of people, they're scared.
I said I like dance.
I feel like a lot of people go into that because it's calming.
I'm not comparing myself to anyone.
I don't have that time of doubt.*

*I've become mentally healthier.
I learned to cope.
I'm playing.
I'm healthier.
I feel like you must have a little bit of a goal.
I'll always reference rugby.
I really have to go.
I don't really think about life.
I don't know.
I'll have some time to think.*

*I feel a lot.
I mean social support.
I feel like in that aspect, I should improve on that.
I feel it's a little bit better.
I'm trying.*

*I struggle.
I feel like I could be better.
I would like to improve.
I don't really like being active alone.
I can't do that.*

Figure 9. Poem 8.**I'M NORMALLY SELF-RELIANT****Matthew – Poem 9**

*I'm more the sportsperson.
I'm not struggling on the academic side.
I work on the academics and on the sports field.
I've been out for over a year.
I'm not as fit.
I say that on a regular basis I am fit.*

*I would gym.
I also run.
I integrate my training.
I'll just say it's motivation.
I need it in order to play.*

*I normally turn to my physio.
I surround myself with people.
I'll ask them.
I've become a touch lazy.
I'm normally self-reliant.
I know my goals.*

*I suffer from depression.
I know that they can take a turn for the worse.
I'll say it's a negative.*

*I work out.
I'm more physically active.*

Figure 10. Poem 9.

Poem 11 shows Thandi's perspective (Figure 12). The participant expressed a fluctuating relationship with PA, noting that she had previously enjoyed exercising, particularly at the gym, but had recently struggled with motivation due to financial constraints and a lack

of stability. She highlighted the importance of social support and mental health in staying active, believing that having access to support could enhance PA engagement. Thandi had used resources like Google and YouTube for fitness information, showing a preference for self-reliance in learning and motivation. She reflected on the positive impact of exercise on her mental health, feeling calmer and more able to think clearly when active. Despite current challenges, Thandi was determined to return to the gym, motivated by the positive effects it had had on her physical and mental well-being in the past.

Based on the findings derived from the I-poems, a word cloud was generated [using [WordArt.com](https://www.wordart.com/), 2009 (accessed on 12 February 2025)] (Figure 13) in order to show the prominent words that were generated across the 11 I-poems.

I'M GOING BACK
Aphiwe – Poem 10

*I'm living.
I would say exercising.
I know.
I can't say exactly why.
I say laziness.*

*I was active.
I was going to the gym.
I kind of slowed down.
I lacked motivation.
I enjoyed going to the gym.
I didn't have a bursary.
I wasn't financially stable.
I couldn't go.*

*I enjoyed going to the gym.
I kind of lost motivation.
I wasn't motivated enough.
I loved going to the gym, just doing outside exercises.
I didn't enjoy that.
I just enjoyed going to the gym.*

*I could go back to the gym.
I would be motivated.
I would go to the gym every week.
I just have to talk to my inner self.
I could wake up.
I just need to be motivated enough.*

*I was using videos.
I'm not physically active this year.
I was physical last year.
I was going to the gym.*

*I've decided on the first of July,
I'm going back.
I need to focus.
I'm going back.
I know.
I have to go back.*

*I liked it.
I enjoyed how I felt, how I looked.
I want to go back.
I kind of know now what works for me.
I could decide to wake up and do it.
I can actually do it.*

*I think that would be exciting.
I think it improves my mental health.
I'm calm.
I can think things through.
I'm not always on edge.
I think that improves mental health.*

*I'm not sure about social support.
I was trying to be on a fitness journey.
I need some things for exercising.
I was exercising at home.*

*I think if you have social support, you can be physically active.
I don't see how religion could influence you against physical activity.
I don't think they have any effect.*

*I do a lot of research.
I just listen to me, what I enjoy most.
I can't just put everything on them.
I feel like google has every answer.
I can google what exercises.
I can also search the best diet.*

*I think that you need to know.
I want to know.
I could just search.
I would say it is convenient.*

*I lost weight in one month.
I think just having the necessary information.
I think that would be useful.
I think it would be YouTube.
I would like to read.*

*I'm five minutes away from campus.
I think it's accessible.
I just have to pay the gym fee.
I can go in.
I can walk to the gym.
I can walk to campus.
I cannot jog.
I could walk.*

*I think it's better.
I think the rates for students are cheaper.
I would say social support or mental health.*

Figure 11. Poem 10.

I NEED TO MOVE**Thandi – Poem 11**

*I was really active.
I prioritised.
I saw.
I lost a lot of weight.
I was just like, 'no let me stop.'
I didn't come to campus.
I was always just telling myself,
'I need to move.'
I was just like, 'let me prioritise.'*

*I saw.
I prioritised.
I walk to school four times a week.
I walk a lot around campus.
I wouldn't say academics.
I mean, my schedule is not hectic (challenging).*

*I think stress.
I know people's schedules are busy.
I'm not doing good.
I think when you're feeling down, you don't want to do anything.
I feel once you get out of that state, it becomes easier.
I mean, it's proven.*

*I think some are already doing it.
I was going to gym.
I wouldn't necessarily be going to get support.
It's me doing what I want to do.
I want support, it goes back to motivation.
I'm going to get motivated.*

*I see other people getting a gym trainer:
I like my legs.
I walk.
I walk long distance.
I won't be tired all the time.
I don't want to become complacent, where I am sitting all the time.
I'll be fine.*

*I would like to embark on this journey.
I'll join you when I can.
I'm like, 'Guys we don't necessarily have money.'
I feel like the main one is where you belong.*

Figure 12. Poem 11.

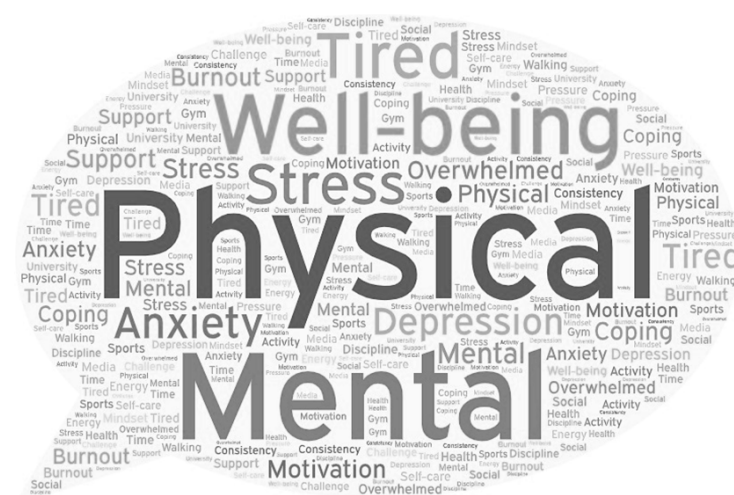


Figure 13. Common keywords derived from the I-poems.

4. Discussion

This study aimed to explore undergraduate university students' PA participation by providing insights into the psychosocial factors that shaped their experiences. The I-poems provided a unique way for undergraduate university students to articulate their personal journey with PA, which ultimately captured their subjective experiences and emotional responses. Based on the findings derived from this study, four major themes were generated, namely, PA and students' perceptions thereof, the influence of mental health, the role of social support and motivation as a source of encouragement. Psychosocial factors such as mental health, motivation and social support have been classified as determinants of health by various researchers [14,44] and either promote or hinder regular PA levels [10]. Therefore, these psychosocial factors must be subjectively understood in order to enhance PA health behaviours among undergraduate university students.

4.1. Physical Activity

Physical activity (PA) has been proven to be beneficial in several ways, namely, physical health, psychological well-being, body image and enhanced quality of life [45,46]. Participants from this study expressed diverse experiences with PA, with many engaging in activities such as gym workouts, sports [like rugby] and dance. They noted that these activities contributed positively to their physical well-being, helping them feel healthier, more energetic, and capable of managing stress ($n = 7$ out of 11, 64%). Aligned with previous research, PA has been proven to be beneficial for holistic well-being, including decreased obesity, reduced hypertension, improved mental health, greater support networks and a heightened sense of motivation [47–49]. Nevertheless, PA participation among young people is not sufficient to maintain an active lifestyle [5] as research indicated that students are not meeting the recommended PA guidelines [50]. Based on the findings derived from this study, students provided plausible reasons for this decline in PA. Some mentioned PA barriers such as external factors like financial instability and the lack of time, particularly when they were unable to afford gym memberships or were overwhelmed with the academic workload. Despite these challenges, many participants showed a desire to return to more regular exercise, with some even setting clear goals, such as going back to the gym or engaging in home workouts. This suggests that students recognise the benefits of a healthy lifestyle and are willing to take proactive steps to enhance their holistic well-being (with an emphasis on their mental health as a starting point).

4.2. Mental Health

Mental health emerged as a dominant theme across all the I-poems, as students consistently linked their PA levels to their emotional and psychological well-being. Students expressed feelings of stress, anxiety and exhaustion, which influenced their engagement in health-enhancing activities, while others struggled with consistency due to a lack of mental energy and motivation ($n = 9$ out of 11, 82%). However, the I-poems revealed a strong self-awareness among students regarding the link between their mental and physical health. Previous studies have indicated that positive mental health, characterised by lower levels of depression, anxiety and stress, has been researched as enhancing PA engagement, as individuals have more energy and desire to be physically active [51,52]. Similarly, this study found that the link between PA and mental health was frequently highlighted, with participants reporting improvements in their mood, stress levels and overall mental well-being due to engaging in physical activities. Regular exercise was seen as a means of alleviating stress, improving clarity of thought, and reducing feelings of being on edge. For some, the act of exercising provided a mental break from academic or personal pressures, allowing them to clear their mind and regain focus. In alignment with additional

authors, PA has been regarded as a coping mechanism to delay the onset of mental health challenges [10]. Despite these benefits, mental health challenges as cited in this current study, such as feelings of isolation, fear of judgment, laziness, anxiety or depression, were also mentioned, with some participants noting that these obstacles hindered their ability to stay consistent with their PA routines. These results aligned with previous authors who reported that mental health disorders account for over 12% of the global disease burden, where depression affects 322 million people globally, representing 4.4% of the population and anxiety impacts approximately 260 million individuals or 3.6% of the global population [53]. Thus, poor mental health can deter individuals from participating in PA, creating a negative cycle of well-being and demotivation [54,55]. Additionally, this study found that maintaining a structured health routine was seen as important for both mental stability and physical well-being, but many found it difficult to balance academic responsibilities, social life and self-care. These results align with previous studies, which reported that academic pressure is a major source of stress, consequently discouraging university students from being physically active [56,57]. The I-poems revealed a strong self-awareness among students regarding the link between their mental and physical health. Therefore, mental health as a prominent psychosocial factor should be considered when developing student-tailored interventions [10,58]. However, mental health is not a standalone psychosocial factor that determines health behaviour. Additional aspects such as social support and motivation have been considered as intertwined elements that determine whether a student will engage in health-enhancing activities [10].

4.3. Social Support

Numerous studies have considered social support as a social determinant of human behaviour, particularly engagement in leisure-time PA among university students [59,60]. Social support networks such as family and peers have been regarded as PA facilitators based on their ability to provide encouragement, accountability and a sense of belonging [61]. Participants ($n = 9$ out of 11, 82%) in this study cited that social support played a significant role in their ability to remain engaged in PA. Many participants highlighted the importance of friends, family or peers in encouraging them to stay active, with some explicitly stating that they were motivated to exercise not just for themselves but for the sake of their support networks. Peer pressure was also mentioned, both as a positive motivator and as a source of pressure to conform to certain fitness activities, such as joining a gym. While some participants ($n = 4$ out of 11, 36.3%) expressed uncertainty about the influence of social support on their PA, others acknowledged ($n = 8$, 73%) that it was a crucial factor in maintaining motivation and consistency in their fitness journey. The importance of receiving social support from interpersonal relationships has been well-documented in research [62,63]. Specifically, researchers have investigated the impact of social support on the PA behaviours of individuals and reported that individuals with higher social support had higher mean PA scores compared to individuals with lower support networks [64,65]. Similarly, previous studies have reported that exercising with others was found to increase students' sense of belonging, accountability, enjoyment and motivation [56]. Additionally, receiving social support and encouragement from others to be physically active played a significant role in shaping students' values towards PA and enhancing their motivation [56]. This highlights the importance of social support structures for enhancing PA participation and having a positive influence on psychosocial well-being.

4.4. Motivation

Motivation, as a psychosocial factor, plays an important role in determining human behaviour, particularly when being physically active [47]. Both types of motivation, i.e.,

internal [intrinsic] such as belief within oneself and external [extrinsic] such as social rewards, influence PA levels [66]. This current research study found that motivation was a central theme throughout the reflections, with participants discussing how difficult it was to maintain motivation over time. Participants ($n = 7$ out of 11, 64%) expressed varying types of motivation toward PA. Those with intrinsic motivation described a personal desire to stay active and achieve fitness goals for reasons such as enjoyment, self-discipline and a sense of accomplishment. Others ($n = 6$ out of 11, 55%) demonstrated extrinsic motivation, relying on factors such as praise from peers, feedback from coaches or structured support systems to remain committed. The role of self-motivation was also highlighted, with participants indicating that once they acknowledged the positive impacts of exercise on their lives, they could motivate themselves to return to regular PA. These results are similar to previous studies where it was reported that demotivation among young adults stemmed from apprehension about PA, laziness, lack of interest, negative emotions such as resentment and a dislike of being observed while being physically active or exercising alone [67]. In addition to this, the lack of social support from friends and family was reported as a prevalent factor contributing to demotivation [62]. However, students from this study mentioned that online resources, such as fitness videos or articles, were frequently cited as convenient sources of information that helped participants stay engaged with their fitness goals. A plausible reason for this may be because social networking sites [such as YouTube, TikTok and Instagram] are popular among young adults such as undergraduate university students [68]. Social media is a beneficial tool for mass communication and thus, students are motivated to be physically active when viewing exercise content online [69]. Therefore, it is important to place the focus on motivation as a psychosocial factor that could either enhance or hinder PA participation and consequently develop interventions that are relevant and suitable to the contemporary student [18,70].

4.5. Strengths and Limitations

This study aimed to explore students' PA participation, by providing insights into the psychosocial factors that shape their experiences. A core strength of the use of I-poems, as a methodological approach within qualitative research, is the ability to highlight the multi-dimensionality of the subjective experiences of undergraduate university students. Each participant's experience was brought to life through the use of an I-poem. The poems depict positive, negative and neutral feelings of the subjective experiences of the students regarding PA engagement and psychosocial factors. This ultimately provides a deeper understanding of 'what is actually going through a student's mind and how they are feeling'. This approach is beneficial, as other types of research methodologies, such as quantitative studies, would not have been able to replicate it. However, this research study is not without faults and thus, limitations need to be acknowledged. Firstly, this study included a convenient sample of 18 undergraduate students from a single South African university. While the use of I-poems provided deep insights into students' psychosocial journeys and PA behaviours, the sample size and institutional context may restrict the generalisability of the findings. Thus, the experiences captured may not fully reflect those of students in other universities or socio-cultural environments. A limitation of this study is the predominance of female participants, as well as a substantial representation of students from sport-related departments. Future research should aim to include students from different departments to capture a broader and more diverse range of perspectives on PA. Additionally, since I-poems focus on the personal experiences of individual participants, the findings from this study may not be generalisable to larger populations. The insights gained are specific to the participants involved, limiting the broader applicability of the results. To address this limitation, future researchers could expand the sample size and include participants

from different demographic backgrounds or institutions, increasing the potential for more widely applicable insights while maintaining the depth of personal experience provided by I-poems. Secondly, the analysis of I-poems in this study was time-consuming and complex, requiring a detailed, in-depth examination of individual expressions. This process involved identifying patterns across multiple participants' subjective experiences, which could be resource-intensive and challenging to manage effectively. Future researchers could consider employing a team of analysts to help manage the volume of data and provide diverse perspectives in the interpretation of the I-poems, potentially making the analysis process more efficient and comprehensive. Future studies wishing to conduct similar research should consider exploring I-poems in conjunction with other research methodologies to provide a more robust explanation of students' PA participation and psychosocial factors [30].

4.6. Practical Applications and Recommendations

The findings of this study offer valuable implications for university policies and student support services aiming to enhance participation in PA. Institutions should consider implementing student-centred and emotionally responsive interventions that integrate both physical and mental health components. For example, structured programmes such as “Mindful Movement” sessions—which combine light PA with reflective practices like guided journaling or group discussions—can address students' psychosocial needs alongside promoting PA. In addition, peer-led initiatives, where trained student ambassadors co-design and facilitate activities that resonate with their peers' lived experiences, may foster greater engagement. Embedding psychosocial support within PA initiatives, such as incorporating mindfulness techniques, breathing exercises or informal mental health check-ins, can further support students who experience stress, anxiety or emotional fatigue. Finally, campus-wide campaigns that feature student narratives, including excerpts from I-poems, can help cultivate a supportive culture around mental wellness and physical activity. These recommendations provide a foundation for universities to align health promotion strategies with the lived realities and expressed needs of their undergraduate student population.

5. Conclusions

This study aimed to explore students' PA participation, by providing insights into the psychosocial factors that shaped their experiences. By employing the Listening Guide and generating I-poems from the qualitative data, undergraduate university students' subjective experiences and perspectives were explored. This study underscores the utility of I-poems as an innovative qualitative approach for exploring the psychosocial factors of PA among undergraduate students. By focusing on the participants' voices, the findings offer insights into the complex interplay of mental health, motivation and social support in shaping the PA journey of a student. The results highlight the importance of incorporating psychosocial considerations into the design of contextually relevant, student-focused interventions to foster sustained PA participation. These findings contribute to advancing qualitative inquiry in PA research and provide valuable perspectives for health promotion strategies targeting young adults. This ultimately contributes to advancing Sustainable Development Goal 3, which focuses on good health and well-being.

Author Contributions: Conceptualization, C.J.; methodology, C.J. and J.R.; software, C.J.; validation, C.J.; formal analysis, C.J.; investigation, C.J.; resources, C.J.; data curation, C.J.; writing—original draft preparation, C.J.; writing—review and editing, C.J., J.R. and N.R.; visualization, C.J.; supervision, N.R.; project administration, C.J.; funding acquisition, C.J. All authors have read and agreed to the published version of the manuscript.

Funding: This work was supported by the Sasakawa Young Leaders Fellowship Fund [Sylff] from the Tokyo Foundation, the Ernst and Ethel Trust, as well as the University of the Western Cape: Deputy Vice-Chancellor Research and Innovation.

Institutional Review Board Statement: This study was conducted in accordance with the Declaration of Helsinki, and approved by the Institutional Ethics Committee] of University of the Western Cape (Humanities and Social Sciences Research Ethics Committee reference number: HS21/10/24, ending December 2024).

Informed Consent Statement: Informed consent was obtained from all subjects involved in this study.

Data Availability Statement: The data and supportive information are available within the article.

Acknowledgments: The participating undergraduate students are thanked for their contribution.

Conflicts of Interest: The authors declare no conflicts of interest.

Abbreviations

The following abbreviations are used in this manuscript:

ADHD	Attention-deficit/hyperactivity disorder
COVID-19	Coronavirus-19
PA	Physical Activity
SA	South Africa
WHO	World Health Organisation

References

- Essiet, I.A.; Baharom, A.; Shahar, H.K.; Uzochukwu, B. Application of the Socio-Ecological Model to predict physical activity behaviour among Nigerian University students. *Pan Afr. Med. J.* **2017**, *26*, 110. [[CrossRef](#)] [[PubMed](#)]
- Chukwudi, A. The Determinants of Obesity among Students of the University of Venda, Limpopo Province of South Africa. *J. Obes. Weight Loss Ther.* **2016**, *6*, 324.
- Gradidge, P.J.-L.; Cohen, E. Body mass index and associated lifestyle and eating behaviours of female students at a South African university. *South Afr. J. Clin. Nutr.* **2018**, *31*, 89–91. [[CrossRef](#)]
- Tulchin-Francis, K.; Stevens, W., Jr.; Gu, X.; Zhang, T.; Roberts, H.; Keller, J.; Dempsey, D.; Borchard, J.; Jeans, K.; VanPelt, J. The impact of the coronavirus disease 2019 pandemic on physical activity in U.S. children. *J. Sport Health Sci.* **2021**, *10*, 323–332. [[CrossRef](#)]
- Burton, N.W.; Barber, B.L.; Khan, A. A qualitative study of barriers and enablers of physical activity among female Emirati university students. *Int. J. Environ. Res. Public Health* **2021**, *18*, 3380. [[CrossRef](#)]
- WHO. 2020 WHO guidelines on physical activity and sedentary behavior. *Sports Med. Health Sci.* **2020**, *3*, 115–118.
- Meredith, S.J.; Cox, N.J.; Ibrahim, K.; Higson, J.; McNiff, J.; Mitchell, S.; Rutherford, M.; Wijayendran, A.; Shenkin, S.D.; Kilgour, A.H.M.; et al. Factors that influence older adults' participation in physical activity: A systematic review of qualitative studies. *Age Ageing* **2023**, *52*, afad145. [[CrossRef](#)]
- Zhang, T.; Lee, J.; Zhang, X.; Gu, X. Social-Ecological Factors Predict College Students' Physical Activities and Sedentary Behavior. *Sustainability* **2022**, *14*, 12873. [[CrossRef](#)]
- Johannes, C.; Roman, N.; Onagbiye, S.; Titus, S.; Leach, L. Physical Activity is Personal: A Mixed-Methods Study of Undergraduate Students at a South African University. *Phys. Act. Health* **2024**, *8*, 116–136. [[CrossRef](#)]
- Johannes, C.; Roman, N.V.; Onagbiye, S.O.; Titus, S.; Leach, L.L. Relationship between Psychosocial Factors and Physical Activity among Undergraduate Students from a South African University. *Int. J. Environ. Res. Public Health* **2024**, *21*, 441. [[CrossRef](#)]
- Pellerine, L.P.; Bray, N.W.; Fowles, J.R.; Furlano, J.A.; Morava, A.; Nagpal, T.S.; O'Brien, M.W. The Influence of Motivators and Barriers to Exercise on Attaining Physical Activity and Sedentary Time Guidelines among Canadian Undergraduate Students. *Int. J. Environ. Res. Public Health* **2022**, *19*, 12225. [[CrossRef](#)] [[PubMed](#)]
- Van Breda, A.D. Students are humans too: Psychosocial vulnerability of first-year students at the University of Johannesburg. *South Afr. J. High Educ.* **2017**, *31*, 246–262. [[CrossRef](#)]
- Brown, V.; Pather, S.; Lawack, V. A Re-Imagined Institutional Student Retention and Success Framework to Enhance Holistic Student Support. *Proc. Int. Conf. Futur. Teach. Educ.* **2023**, *1*, 59–69. [[CrossRef](#)]
- Denis, F.; Mahalli, R.; Delpierre, A.; Romagna, C.; Selimovic, D.; Renaud, M. Psychobiological Factors in Global Health and Public Health. *Int. J. Environ. Res. Public Health* **2022**, *19*, 6728. [[CrossRef](#)]

15. Draper, C.E.; Cook, C.J.; Redinger, S.; Rochat, T.; Prioreschi, A.; Rae, D.E.; Ware, L.J.; Lye, S.J.; Norris, S.A. Cross-sectional associations between mental health indicators and social vulnerability, with physical activity, sedentary behaviour and sleep in urban African young women. *Int. J. Behav. Nutr. Phys. Act.* **2022**, *19*, 82. [\[CrossRef\]](#)
16. Siegrist, J. Psychosocial Occupational Health—A Priority for Middle-Income Countries? *Healthcare* **2023**, *11*, 2988. [\[CrossRef\]](#)
17. Lawrence, K.C.; Mambetalina, A.S.; Baigabylov, N.O. Psychosocial-Spiritual Factors Associated With Well-being of Older Population in Africa. *J. Educ. Community Health* **2023**, *10*, 62–70. [\[CrossRef\]](#)
18. Johannes, C.; Roman, N.V.; Onagbiye, S.O.; Titus, S.; Leach, L.L. Consensus in Action: Context-Specific Physical Activity Guidelines for Undergraduate Students at a South African University. *Int. J. Environ. Res. Public Health* **2024**, *21*, 1651. [\[CrossRef\]](#)
19. Beagle, A. Creative interventions: Integrating arts-based approaches in a university access programme. *Educ. Chang.* **2021**, *25*, 23. [\[CrossRef\]](#)
20. Faulkner, S. *Developing Qualitative Inquiry—Poetics Inquiry: Craft, Method and Practice*, 2nd ed.; Routledge: Oxfordshire, UK, 2020; 6p.
21. Nathan, S.; Hodgins, M.; Wirth, J.; Ramirez, J.; Walker, N.; Cullen, P. The use of arts-based methodologies and methods with young people with complex psychosocial needs: A systematic narrative review. *Health Expect.* **2023**, *26*, 795–805. [\[CrossRef\]](#)
22. Nichols, T.R.; Biederman, D.J.; Gringle, M.R. Using research poetics “responsibly”: Applications for health promotion research. *Int. Q. Community Health Educ.* **2015**, *35*, 5–20. [\[CrossRef\]](#) [\[PubMed\]](#)
23. Johnson, M.M.; Gilligan, C. In a different voice: Psychological Theory and Women’s Development. *Contemp. Sociol. A J. Rev.* **1983**, *12*, 448. [\[CrossRef\]](#)
24. Gilligan, C. In a different voice. *J. Fem. Stud. Relig.* **2018**, *34*, 93–96.
25. Brown, L.M.; Gilligan, C. Meeting at the Crossroads: Women’s Psychology and Girls’ Development. *Fem. Psychol.* **1993**, *3*, 11–35. [\[CrossRef\]](#)
26. Gilligan, C. The Listening Guide method of psychological inquiry. *Qual. Psychol.* **2015**, *2*, 69–77. [\[CrossRef\]](#)
27. Scott, S.; McGowan, V.; Bradley, A.; Visram, S. ‘How I’m feeling today, I probably won’t be feeling tomorrow’. Using I-Poems to explore young people’s changing emotions during the Covid-19 pandemic—A qualitative, longitudinal study. *SSM—Qual. Res. Health* **2023**, *3*, 100239. [\[CrossRef\]](#)
28. Gilligan, C.; Eddy, J. Listening as a path to psychological discovery: An introduction to the Listening Guide. *Perspect. Med. Educ.* **2017**, *6*, 76–81. [\[CrossRef\]](#)
29. Edwards, R.; Weller, S. Shifting analytic ontology: Using I-poems in qualitative longitudinal research. *Qual. Res.* **2012**, *12*, 202–217. [\[CrossRef\]](#)
30. Nicolaou, A.M.; Eloff, I. The Utility of I-Poems to Explore Subjective Well-Being in Children and Adolescents with ADHD. *Int. J. Qual. Methods* **2024**, *23*, 1–18. [\[CrossRef\]](#)
31. Freeman, M. The Hermeneutical Aesthetics of Thick Description. *Qual. Inq.* **2014**, *20*, 827–833. [\[CrossRef\]](#)
32. Inckle, K. Poetry in motion: Qualitative analysis, I-poems and disabled cyclists. *Methodol. Innov.* **2020**, *13*, 1–13. [\[CrossRef\]](#)
33. Coen, S.E.; Tillmann, S.; Ergler, C.R.; McGuire, C.; Gilliland, J.A. Playing with Poetry: Poetic Representation of Research in Children’s Geographies of Nature and Adventurous Play. *GeoHumanities* **2018**, *4*, 557–575. [\[CrossRef\]](#)
34. Parsons, L.T.; Pinkerton, L. Poetry and prose as methodology: A synergy of knowing. *Methodol. Innov.* **2022**, *15*, 118–126. [\[CrossRef\]](#)
35. Malmqvist, J.; Hellberg, K.; Möllås, G.; Rose, R.; Shevlin, M. Conducting the Pilot Study: A Neglected Part of the Research Process? Methodological Findings Supporting the Importance of Piloting in Qualitative Research Studies. *Int. J. Qual. Methods* **2019**, *18*, 1–11. [\[CrossRef\]](#)
36. O’driscoll, M.; Byrne, S.; Kelly, M.; Lambert, S.; Sahm, L.J. A Thematic Analysis of Pharmacy Students’ Experiences of the Undergraduate Pharmacy Degree in Ireland and the Role of Mindfulness. *Am. J. Pharm. Educ.* **2019**, *83*, 6457. [\[CrossRef\]](#)
37. Braun, V.; Clarke, V. Reflecting on reflexive thematic analysis. *Qual. Res. Sport Exerc. Health* **2019**, *11*, 589–597. [\[CrossRef\]](#)
38. Vaismoradi, M.; Jones, J.; Turunen, H.; Snelgrove, S. Theme development in qualitative content analysis and thematic analysis. *J. Nurs. Educ. Pr.* **2016**, *6*, 100. [\[CrossRef\]](#)
39. Lustick, H.; Yang, X.; Hakouz, A. The Role of Emotions in Qualitative Analysis: Researchers’ Perspectives. *Qual. Rep.* **2024**, *29*, 1103–1124. [\[CrossRef\]](#)
40. Olmos-Vega, F.M.; Stalmeijer, R.E.; Varpio, L.; Kahlke, R. A practical guide to reflexivity in qualitative research: AMEE Guide No. 149. *Med. Teach.* **2023**, *45*, 241–251. [\[CrossRef\]](#)
41. Ahmed, S.K. The pillars of trustworthiness in qualitative research. *J. Med. Surg. Public Health* **2024**, *2*, 100051. [\[CrossRef\]](#)
42. Connelly, L.M. Trustworthiness in qualitative research. *Medsurg Nurs.* **2016**, *25*, 435–436. [\[PubMed\]](#)
43. Creswell, J.; Creswell, J. *Research Design: Qualitative, Quantitative and Mixed methods Approaches (Internet)*, 5th ed.; Sage Publications Inc.: London, UK, 2018; Volume 22, 1p.

44. Hylkilä, K.; Männikkö, N.; Castrén, S.; Mustonen, T.; Peltonen, A.; Konttila, J.; Männistö, M.; Kääriäinen, M. Association between psychosocial well-being and problematic social media use among Finnish young adults: A cross-sectional study. *Telemat. Inform.* **2023**, *81*, 101996. [\[CrossRef\]](#)
45. Kapoor, G.; Chauhan, P.; Singh, G.; Malhotra, N.; Chahal, A. Physical Activity for Health and Fitness: Past, Present and Future. *J. Lifestyle Med.* **2022**, *12*, 9–14. [\[CrossRef\]](#) [\[PubMed\]](#)
46. Mahindru, A.; Patil, P.; Agrawal, V. Role of Physical Activity on Mental Health and Well-Being: A Review. *Cureus* **2023**, *15*, e33475. [\[CrossRef\]](#)
47. De Man, J.; Kasujja, F.X.; Delobelle, P.; Annerstedt, K.S.; Alvesson, H.M.; Absetz, P.; Wouters, E.; Daivadanam, M.; Guwatudde, D.; Puoane, T.; et al. Motivational determinants of physical activity in disadvantaged populations with (pre)diabetes: A cross-cultural comparison. *BMC Public Health* **2022**, *22*, 164. [\[CrossRef\]](#)
48. Johannes, C.; Roman, N.V.; Onagbiye, S.O.; Titus, S.; Leach, L.L. Strategies and Best Practices That Enhance the Physical Activity Levels of Undergraduate University Students: A Systematic Review. *Int. J. Environ.* **2024**, *21*, 173. [\[CrossRef\]](#)
49. Onagbiye, S.O.; Mchiza, Z.J.-R.; Ahanonu, E.L.; Bassett, S.H.; Travill, A. Mental Health and Physical Activity: A COVID-19 Viewpoint. *Open Sports Sci. J.* **2021**, *14*, 30–33. [\[CrossRef\]](#)
50. Fruehwirth, J.C.; Mazzolenis, M.E.; Pepper, M.A.; Pereira, K.M. Perceived stress, mental health symptoms, and deleterious behaviors during the transition to college. *PLoS ONE* **2023**, *18*, e0287735. [\[CrossRef\]](#)
51. Bantjes, J.; Kessler, M.; Lochner, C.; Breet, E.; Bawa, A.; Roos, J.; Davids, C.; Muturiki, M.; Kessler, R.C.; Stein, D.J. The mental health of university students in South Africa: Results of the national student survey. *J. Affect. Disord.* **2023**, *321*, 217–226. [\[CrossRef\]](#)
52. Malagodi, F.; Dommett, E.J.; Findon, J.L.; Gardner, B. Physical activity interventions to improve mental health and wellbeing in university students in the UK: A service mapping study. *Ment. Health Phys. Act.* **2024**, *26*, 100563. [\[CrossRef\]](#)
53. Chaudhari, K.S.; Dhapakas, M.P.; Kumar, A.; Ingle, R.G. Mental Disorders—A Serious Global Concern that Needs to Address. *Int. J. Pharm. Qual. Assur.* **2024**, *15*, 973–978. [\[CrossRef\]](#)
54. Onagbiye, S.O.; Bester, P. Physical Inactivity as a Wicked Problem in Sub-Sahara Africa: Overview and Recommendations. *Open Public Health J.* **2022**, *15*, 1–6. [\[CrossRef\]](#)
55. WHO. *World Mental Health Report: Transforming Mental Health for All*; WHO: Geneva, Switzerland, 2022.
56. Brown, C.E.B.; Richardson, K.; Halil-Pizzirani, B.; Atkins, L.; Yücel, M.; Segrave, R.A. Key influences on university students' physical activity: A systematic review using the Theoretical Domains Framework and the COM-B model of human behaviour. *BMC Public Health* **2024**, *24*, 418. [\[CrossRef\]](#) [\[PubMed\]](#)
57. Browne, V.; Munro, J.; Cass, J. The mental health of australian university students. *J. Aust. New Zeal. Student Serv. Assoc.* **2017**, *2017*, 51–62.
58. Siddiqui, N.A.; Fatima, S.; Taj, F.B.; Shahid, A.; Moosa, Z.A. Depression among undergraduate medical and engineering students: A comparative study. *Pak. J. Med. Sci.* **2020**, *36*, 1096–1099. [\[CrossRef\]](#)
59. Barber, J.R.G.; Park, S.E.; Jensen, K.; Marshall, H.; McDonald, P.; McKinley, R.K.; Randles, H.; Alberti, H. Facilitators and barriers to teaching undergraduate medical students in general practice. *Med. Educ.* **2019**, *53*, 778–787. [\[CrossRef\]](#)
60. Zhang, T.; Dunn, J.; Morrow, J.; Greenleaf, C. Ecological analysis of college women's physical activity and health-related quality of life. *Women Health* **2018**, *58*, 260–277. [\[CrossRef\]](#)
61. Wang, X.; Yang, X.; Nasiruddin, N.J.b.M.; Wei, S.; Dong, D.; bin Samsudin, S. Social Support and Physical Activity in College and University Students: A Meta-Analysis. *Health Educ. Behav.* **2024**, *51*, 533–543. [\[CrossRef\]](#)
62. Niu, L.; Xu, J.; Yiting, E. Physical Activity and Habitus: Parental Support or Peer Support? *Int. J. Environ. Res. Public Health* **2023**, *20*, 2180. [\[CrossRef\]](#)
63. Padmanabhanunni, A.; Pretorius, T.B.; Isaacs, S.A. We Are Not Islands: The Role of Social Support in the Relationship between Perceived Stress during the COVID-19 Pandemic and Psychological Distress. *Int. J. Environ. Res. Public Health* **2023**, *20*, 3179. [\[CrossRef\]](#)
64. Alshehri, M.A.; Kruse-Diehr, A.J.; Mcdaniel, J.; Partridge, J.A.; Null, D. Impact of Social Support on the Physical Activity Behaviors of International College Students in the United States. *Int. J. Exerc. Sci.* **2021**, *14*, 1305–1319. [\[CrossRef\]](#) [\[PubMed\]](#)
65. Cobo-Rendón, R.; López-Angulo, Y.; Pérez-Villalobos, M.V.; Díaz-Mujica, A. Perceived Social Support and Its Effects on Changes in the Affective and Eudaimonic Well-Being of Chilean University Students. *Front. Psychol.* **2020**, *11*, 1–12. [\[CrossRef\]](#) [\[PubMed\]](#)
66. Dèdelé, A.; Chebotarova, Y.; Miškinytė, A. Motivations and barriers towards optimal physical activity level: A community-based assessment of 28 EU countries. *Prev. Med.* **2022**, *164*, 107336. [\[CrossRef\]](#) [\[PubMed\]](#)
67. Othman, M.S.; Ludin, A.F.M.; Chen, L.L.; Hossain, H.; Halim, I.I.A.; Sameeha, M.J.; Tahir, A.R.M. Motivations, barriers and exercise preferences among female undergraduates: A need assessment analysis. *PLoS ONE* **2022**, *17*, e0264158. [\[CrossRef\]](#)
68. Gelius, P.; Messing, S.; Goodwin, L.; Schow, D.; Abu-Omar, K. What are effective policies for promoting physical activity? A systematic review of reviews. *Prev. Med. Rep.* **2020**, *18*, 101095. [\[CrossRef\]](#)

69. Jackson, M.; Brennan, L.; Parker, L. The public health community's use of social media for policy advocacy: A scoping review and suggestions to advance the field. *Public Health* **2021**, *198*, 146–155. [[CrossRef](#)]
70. Alsultan, N.F.M.; Alanazi, M.D.; Alshammari, D.O.; Alsayafi, Z.A.; Alzahrani, Y.M.; Boholigah, A.A.; Alnahwi, K.A.; Nasserullah, L.Z. The Influence of Stress on Body Mass Index among Female University Students. *Egypt. J. Hosp. Med.* **2018**, *73*, 6359–6366. [[CrossRef](#)]

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