Understanding healthcare self-referral in Nigeria from the service users’ perspective: a qualitative study of Niger state

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Abstract

Background: The by-pass of the primary level of care to the referral facilities has continued to raise concerns for the healthcare delivery system. About 60–90% of patients in Nigeria are reported to self-refer to a referral level of care. Thus, this study sought to identify the factors that influence service-users’ decision to self-refer to the secondary healthcare facilities in Nigeria by exploring the perceptions and experiences of the service-users.

Methods: Twenty-four self-referred service-users were interviewed from three selected secondary healthcare facilities (general hospitals) in Niger state, Nigeria. The interviews were tape-recorded, each lasting 20 min on average. This was subsequently transcribed and framework analysis was employed for the analysis.

Results: Various reasons were identified to have resulted in the bypass of the primary healthcare facilities in favour of the secondary level of care. The identified themes were organised based on the predisposing, enabling and need component of Andersen’s model. These themes included: patients understanding of the healthcare delivery system; perceptions about the healthcare providers; perceptions about healthcare equipment/ facilities; advice from relatives and friends; service-users’ expectations; access to healthcare facilities; regulations/ policies; medical symptoms; perceptions of severity of medical symptoms.

Conclusions: The findings from this study call for an evaluation of the current healthcare referral system, particularly in developing settings like Nigeria and consequently the need for developing a contextual model as applicable to individual settings. Therefore, a multifaceted approach is needed to address the current concerns to ensure patients utilise the appropriate level of care. This will ensure the primary healthcare facilities are not undermined and allow the referral levels of care to live up to their mandate.

Keywords: Self-referral, Bypass, Primary healthcare facilities, Secondary healthcare facilities, Referral facilities

Background

Following Nigeria’s independence in 1960, there have been several attempts to improve healthcare delivery [1]. Successive Nigerian government have adopted different National Development Plans (NDP) to help address development challenges in the country at different periods [2]. Some of the notable landmark in the NDP for the health sector were the 1975–80 NDP which witnessed the proliferation of healthcare facilities within communities and villages through the Basic Health Service Scheme (BHSS) [3]. The 1981–85 NDP further segmented healthcare services to be delivered across three levels of care within the public sector [3]. These are primary, secondary and tertiary healthcare system. This structure also reflects the three tiers of government in Nigeria, namely Local, State and Federal government [1, 4, 5] (see Fig. 1). Despite significant progress during these periods, there were notable deficiencies such as lack of clear policy framework, lack of manpower development and resource generation [6]. Current issues within the health sector include incessant strikes among health workers, dilapidated hospital buildings, ill-equipped laboratories, lack of healthcare financing and remuneration for the health workers [7].
In theory, the Primary Health Care (PHC) is the community entry point into the healthcare system [8]. One of the major objectives of the National Primary Health Care Development Agency (NPHCDA) is the strengthening and establishment of a standard referral system in Nigeria, through the linkage of PHC facilities with referral facilities [9]. There have, however, been challenges in accomplishing this objective. The Federal Ministry of Health, Nigeria reported a disconnection between the three tiers of healthcare delivery in Nigeria, noting that the tertiary, secondary and primary healthcare are not accountable to one another [10].

About 60 to 90% of patients reportedly bypass the PHC facilities to self-refer to the referral levels in Nigeria [11–13]. The indiscriminate use of the higher levels of care in Nigeria has led to the PHC facilities in Nigeria becoming underutilised and unrecognised, thus, wasting the resources and skills of the healthcare providers serving those facilities [1]. Additionally, referral levels have become overloaded with patients beyond the capabilities of the referral facilities. The healthcare providers in the referral facilities are also over-burdened with largely minor ailments that could have been easily addressed at PHC facilities [14, 15]. Consequently, the role of the referral facilities (secondary and tertiary facilities) in managing advanced medical conditions and engaging in research is noted to be seriously undermined in the Nigerian healthcare system [16]. However, there is a dearth of knowledge on the issue of healthcare self-referral in Nigeria, which serves to highlight the importance and timeliness of this study.

The few available literatures from the Nigerian setting such as the study carried out in a tertiary setting in Enugu state revealed that factors such as more educated persons, skilled workers, severity of ailment and presence of equipment influenced healthcare self-referral [11]. A more recent study in Oyo state, Nigeria focused on federal civil servants in a work environment. They found that the desire for quality service and competent staff were common reasons for presenting to higher levels of care [12]. Previous visit to the tertiary facility, patients seeking care for injuries and possession of health insurance were noted to influence the bypass of the primary level of care in Ghana [17]. While in Ethiopia, the lack of confidence in getting the right healthcare provider, lack of drugs and laboratory services at the primary level of care influenced patients’ decision to self-refer [18]. The above studies were however, approached in a quantitative manner. Hence, the need for this qualitative exploration to add to our understanding of the reasons underlying the motivations of service-users by-passing the primary level of care.

The current understanding regarding healthcare self-referral are largely from developed settings such as the US, the UK, Australia, the Netherlands and Japan, amongst others [19–26]. Notably, healthcare delivery differs for different settings. For example, in Nigeria, patients finance their healthcare majorly through out-of-pocket payment. In comparison with developed settings, healthcare is funded through general taxation or insurance [27]. In addition, trained medical doctors are the principal care providers within PHC facilities in most developed countries. These contrasts with the Nigerian system where most of the care providers within government owned PHC facilities are the Community Health Workers (CHWs) and nurses [28]. Given the diversity of health systems, geographical conditions and infrastructure, it is impossible to develop a global, generally applicable blueprint for referral systems [29]. Therefore, the need for a contextual approach to understand this problem is essential when we consider the Nigerian healthcare system. This study sought to understand the reasons behind service-users’
decision to self-refer by exploring the perceptions and experiences of the service-users using in-depth interviews. The research question addressed by this study is; what factors influence service-user’s decision to self-refer?

Methods
Theoretical model
Andersen’s model has been employed by numerous studies to understand how and why individuals utilise healthcare [30]. The original model posits that the use of healthcare service is anchored on three components namely, predisposing, enabling and need factors [31]. The predisposing component refers to variables and beliefs that exist prior to the individual’s tendency to use services [31]. Enabling components include the resources and social supports individuals have available to be able to access services. Lastly, the need component refers to the degree of illness that brings about the need to use the health service [32]. Similarly, in line with this study, findings on factors associated with healthcare self-referral from previous studies can be situated within the Andersen’s framework [21, 33, 34]. Accordingly, the purpose of the original Andersen’s model was to understand what facilitates and impedes individuals use of healthcare services, which is in tandem with the aim of this research.

Study setting
Niger State is one of the 36 states in Nigeria. It is the largest State in terms of land mass (76,363 square km) and one of the centrally located states (North Central Region) [35]. It has an estimated population of approximately 3,950,249 [36]. Niger state is also a multicultural setting with over 15 different tribes [36]. The people of Niger State are predominantly Muslims and Christians with very few Traditional religionists and atheists. Majority of the populace in the State are farmers while others are involved in vocations such as white-collar jobs, business, craft and arts [35]. The state comprises of twenty-five Local Government Areas (LGAs). Like any other state in Nigeria, these LGAs are distributed into three senatorial districts for political reasons. The south senatorial district has eight LGAs with six general hospitals, the east senatorial district has nine LGAs with six general hospitals while the north senatorial district has eight LGAs with seven general hospitals [36, 37].

One of the healthcare objectives of the state government was to consolidate the primary, secondary and tertiary care services by way of ensuring an efficient and effective referral system [35]. Thus, between 2007 and 2015 a number of primary and secondary healthcare facilities were reported to have been constructed and renovated by the state government [38, 39].

Recruitment and sampling
Inclusion and exclusion criteria: the term self-referral was defined as any service-user presenting directly to the General Out-Patient Department (GOPD) of a secondary healthcare facility (General Hospital) without any form of referral. Participants were 18 years and above, understood and spoke English. This study was limited to English speaking participants because Niger state has over 15 different tribes. This would have required the help of different language experts in conducting the interviews and translating the transcript which may have also presented the problem of losing important information due to translation. In addition, English is Nigeria’s national language and a large population of Nigerians speak and understand English. Those excluded were service-users on follow up appointment, severely ill service-users (those who could not communicate due to their ill health or were unconscious) and patients on the wards and emergency unit.

Based on the inclusion and exclusion criteria for participation, the lead researcher (FK) recruited participants from the record office of the secondary healthcare facilities, which was the first point the patients presented to at the general hospital. An information sheet was given to those who agreed to participate in the research, their contact details were also collected, and a suitable date and time was agreed upon for the interview to take place. The interviews were conducted at different agreed locations such as the participant’s residence, within the secondary healthcare facilities and a location agreed by both the participants and the researcher.

Table 1 shows lists of the different LGAs with their respective general hospitals according to their senatorial districts. One local government area with a secondary healthcare facility (general hospital) was randomly selected by way of balloting from each of the three senatorial districts. Afterwards, purposive maximum variation sampling based on age and gender was adopted to sample the participants. This was employed to generate diverse perspective regarding this topic among the service-users [40, 41]. Thus, eight participants were sampled from each of the three facilities (total of 24 participants). This entailed twelve males and twelve females. Twelve of the participants were between 18 and 40 years and the other twelve participants were 40 years and above. Other socio-demographic characteristics of the participants showed most (n = 20) were married. The level of education of the participants included tertiary education, secondary school qualification, primary school qualification and one of the participants reported he had no formal education. Although, the participant (SRSU16) stated he dropped out of primary school but has been involved in business which enable him travel around Nigeria. Thus, he had forced himself to learn
English informally to be able to interact with people in the course of his business. Nine of the participants were civil servants (government employed), nine were unemployed, these included students, housewives or individuals in search of a job. While six of the participants were non-government employed (they were farmers, taxi driver, plumber and traders) (see Table 2).

Overall 31 patients were approached to participate in this study but seven declined. Four patients that declined, specifically stated they were not interested in participating in the research when approached. Another patient stated she was too ill to participate. Though one of the patients initially accepted to participate in the study, on subsequent telephone contact to arrange a suitable date and time for the interview the patient declined to participate. Lastly, one of the patients resided in another village far away from where the hospital is located which posed difficulty in scheduling a meeting with him for the interview.

Data collection

The data collection was carried out between 11th May 2015 and 21st June 2015. In-depth semi-structured interview was adopted to generate the data needed for this study. This approach is versatile across a range of study topics and not just important for providing information but for generating understanding as well. In-depth interviews can also explore complex and diverse patterns of behaviour, generate hypotheses and inform questionnaire development [40, 41]. Likewise, Focus Group Discussion (FGD) can generate similar data [41], however, putting this study into context, the potential difficulty anticipated from recruiting the self-referred service-users to participate in FGD was considered. This was because the service-users present to the healthcare facilities from different locations, which posed difficulty regarding the logistic of getting participants together at a particular location at the same time as required for FGD.

Lists of questions guided the interview by ensuring that the potential factors that influence healthcare self-referral to secondary healthcare facilities were captured. The semi-structured interview schedule ensured that the questions were organised but not necessarily asked in a specified order [42]. An interview guide was developed taking into cognisance the findings from the literatures and the researcher’s experiences. The interview guide was structured based on the three main components of Andersen’s model (see Table 3). There were no repeat interviews and data saturation was achieved from the 24 participants of this study who were mainly sampled based on purposive maximum variation technique for age and gender. The interviews were tape recorded and lasted on average 20 min. A 200 naira (approximately 40 pence) phone top up voucher was sent to the mobile phone of the participants on completion of the interview to appreciate them for their time.

Data analysis

The tape-recorded interviews were transcribed and labelled with pseudonym. The transcripts were subsequently uploaded into the NVIVO 10 software. Framework analysis
was adopted for the analysis of the data based on the 5 key stages [43], which included;

Familiarisation with the data: the interviews were personally conducted, tape recorded and transcribed by the lead researcher (FK). The transcripts were also read by the other members of the research team (GR and BO). All this process ensured that familiarity with the data was achieved. Identifying a thematic framework: themes were compared and reviewed, and consensus was reached by the team (FK, GR and BO) on merging some themes that appeared similar. Indexing: the themes were subsequently applied to the textual form of all the transcribed data. Charting: at this point a spreadsheet was created, thus, the Page (P) and Line (L) numbers depicting the quotes from the transcripts of each participant that fits within the identified themes were placed in the respective cells to be able to track the account [44]. Mapping and interpretation of data: the themes were inspired by the original objectives of this research. Therefore, the charts were reviewed to make connections between and within participants to seek explanation for the patterns of the data.

The framework analysis employed for this study accommodates both a priori and emerging themes [43]. This makes the Andersen’s model suitable for this study by helping to provide a structure and explanation for the findings based on the components (predisposing, enabling and need factors) of the model. Despite adopting the Andersen’s components as the overarching themes for this study, the process of coding the data into categories within the NVIVO software allowed the specific themes of this study to emerge from the data. This is summarised in Table 4.

Results
The summary of the findings from this study are presented in Table 4.
Predisposing factors
The predisposing component of the Andersen’s model refers to variables that exist prior to the start of the illness that describes the individual’s tendency to use services. Measures of this component are numerous, they include age, sex, race, religion and beliefs pertaining to health and illness [45]. Due to the qualitative nature of this study whereby purposive sampling was employed and the use of a small sample size, the relevance of the effect of socio-demographic variables cannot be ascertained as these were not factors participants directly talked about. Hence, age, education, marital status, employment status and gender were captured as socio-demographic characteristics but not as a theme. Only one theme emerged from the analysis regarding predisposing factors, this relates to the participants understanding of the healthcare delivery system.

Understanding of healthcare delivery
The responses and meanings the participants talked about, specifically regarding what they felt were the roles of the primary and secondary healthcare facilities when they were asked the question are presented here with supporting quotes. Varying accounts were presented by the participants regarding their understanding of the healthcare delivery system which may have prompted bypassing the PHC facility to a higher level of care.

Some participants identified the PHC facilities as primarily for first aid measures:

“They are the closest stage that people can run to at any time, because they are located close to them”. SRSU13, P1, L13-15

“I can say they are provision of medical services channelled to rural people”. SRSU15, P1, L10-12

The participants, however attached broader roles to the secondary healthcare facilities which might have prompted their use, noting that in addition to pregnant women being catered for at the secondary healthcare facilities, investigations such as blood tests, scanning and surgeries can be conducted within the secondary healthcare facilities.

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The participants also recognised that prior to attending the secondary healthcare facility, one needs to be referred from the primary level of care.

Some noted the PHC facilities were meant to be proximal to people, while others believed that the PHC facilities were for specific groups of people or for the rural population.

“It’s just like a temporary first aid measure, from the way I see it, due to the level of facilities and other factors that are involved. So, for me, I just feel it’s set up for basic everyday minor ailments but nothing serious”. SRSU11, P1, L11-16

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The function of the general hospital is that, if maybe you present to the primary healthcare and you are treated but still do not feel well then you can be referred to the general hospital. SRSU10, P1, L25-29

However, some participants held the notion that their first point of contact with the health system should be the secondary level of care.

“For me, I think the secondary (...) because there are more hands there. At the primary you basically see maybe one or two people. The place is always empty”. SRSU11, P1, L43; P2, L49-56

Enabling factors
Andersen and Newman described the enabling components as a condition which permits an individual to act on a value or satisfy a need regarding health service use [47]. The enabling conditions are measured by taking into cognisance an individual’s income, health insurance coverage, rural-urban community, available healthcare providers and healthcare facilities and how they are
structured to provide services. Other factors also recognised are extent and quality of social relationships, health policies and waiting time [31, 32]. Therefore, the individual's personal experiences with the healthcare system that reflected the above mentioned features were captured within this component.

Role of healthcare providers
In addition to the shortage of healthcare providers reported in the PHC facilities, participants also held the notion that the staff in the PHC facilities lacked the required medical knowledge to care for them. Some participants pointed out that the cadre of healthcare providers in the PHC facilities are principally CHWs and nurses. Thus, voicing their lack of confidence with the expertise of this group of healthcare providers.

“...there (PHC facilities), they don’t have equipment, that’s just the fact.” SRSU6, P4, L162-169

Role of equipment or facilities
Emphasis on facilities was not only narrowed to equipment required for clinical investigations but other components, such as the structure of the building and aeration of the facilities were also mentioned. Thus, the PHC facilities were seen as lacking in these aspects while the general hospitals were perceived to have these basic amenities and consequently likely resulted in the bypass of the PHC facilities.

“There are waiting rooms at the hospital which are not available at the primary healthcare facility.” SRSU6, P4, L127-129

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Advice from friends, relatives and others
Though most (n = 20) of the participants interviewed in this study were married, however, irrespective of this and the other socio-demographics factors such as age, educational level, occupation and gender, participants spoke about receiving advice from friends or relatives as one of the reasons to bypass the PHC facilities. For example, one of the participants (SRSU16) noted that he was directed to present at the general hospital by his brother.

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Expectations of service-users
Participants also spoke about issues bordering on their expectations from the healthcare facilities that
influenced their decisions to seek care at the secondary level of care.

Some participants held the view that they were unlikely to get what they wanted at the PHC facilities and thus, termed it a waste of time going to the PHC facilities.

“You just go there (PHC facility) and waste your time, so I think I prefer to go to where I am sure I am getting what I want just like when you go to a store to buy something, you go there the first day they don’t have what you want, the second time, the next time you won’t bother because it’s like waste of time”. SRSU11, P2-3, L85-93

For one of the participants, the perception of the use of the PHC facilities as a waste of time was also tied to the fact that the healthcare providers designated to a particular PHC facility may not be found at the facility. The participant further stated that the healthcare providers may be engaged with their own personal activities, such as farming, thus, leaving the service-users with no choice than to seek care elsewhere.

“You went there (PHC facility) and you were told he went to the farm, (...). Will you waste your time and wait for that person (healthcare provider) again? Maybe before he comes, he is already tired, he cannot even listen to you very well and accommodate you”. SRSU21, P3, L123-124, L126-130

Nevertheless, the supervision of the PHC facilities was highlighted as a way of monitoring the activities rendered at the PHC facilities, which was thought could also impact on the way the healthcare providers discharge their duties.

“You know, there is problem, a big problem. The government should at least provide a monitoring team (...). Yes, to monitor all this primary healthcare”. SRSU15, P10, L453-455, L457-458

Access to the healthcare facility

Participants also discussed issues around access to healthcare facilities which impacts on their decisions to bypass their primary level of care. They highlighted reasons such as the distance to the healthcare facility, fees charged at the facilities, waiting time, opening and closing hours and socio-economic factors.

Socio-economic status

The use of the different levels of healthcare facilities was equated with an individual’s socio-economic status. The PHC facilities were viewed as lesser facilities and thus, only deemed appropriate for the poor, which might have also influenced patients’ use of the facilities.

“Someone might be a civil servant who is highly paid. He works in Abuja or maybe he is a senior civil servant. He will feel that his status has gone above going to a primary healthcare level”. SRSU17, P6-7, L294-298

Service fees

Most participants across the different socio-demographics addressed service charges at the different level of healthcare facilities. For most participants, the goal was to find a solution to their medical problems and were not necessarily concerned about the fees they must pay at the healthcare facility.

“Since I will get the best result I need at the general hospital, I don’t mind the cost. Despite the expensive nature of the general hospital... I will still go for the general hospital”. SRSU15, P6, L274-277

Distance

The role of distance to the healthcare facility was highlighted by some of the participants. For some, the proximity of the secondary healthcare facility to where they live was a source of motivation to seek care at the secondary level.

“Because the general hospital is in town and the PHC facility is far away. In fact, from here, you can trek to the market. Even from the PHC facility you can also trek too, but the general hospital is a bit closer to my house than that one (PHC facility)”. SRSU12, P4-5, L195-201

Government regulations (policies)

Participants’ opinion was also sought regarding the institution of stringent government regulations to control patients’ use of the different levels of healthcare facilities. Most participants however noted that the enactment of any policy with the current state of the PHC facilities in Nigeria will not be a good idea. One of the participants (SRSU13LAP) stated that she would rather use the available private facilities than use any of the government healthcare facilities.

“If it is possible that all the care that you can get in the general hospital is available in primary healthcare, I think its ok by me. But if there is a policy, without repairing the primary healthcare first, I think I will rather use the private health facilities. I will not even go to both the general and primary healthcare, I will just go to private hospital”. SRSU13, P8, L362-370
For other participants, distance was not a factor but rather the need to find a solution for their medical concerns.

“Well, certainly, the issue of distance to me, to a patient does not matter, because when an individual is sick, he/she is looking for a place where he/she will be cured”. SRSU2, P6, L266-269

Opening and closing hours Participants also mentioned the opening and closing hours of the different levels of facilities to likely impact on their use. Participants were concerned about the unpredictable nature of the operational hours of the PHC facilities. They also made their fears known regarding the possibility of fatal health consequences in the event they present to the PHC facility and found no one to offer them medical help.

“The place (PHC facility) is always empty and the timing too. Most of the time you go there very early or you go for an emergency, they don’t come till after a while. So, are you going to wait there? If you are dying, you would have been dead before they come”. SRSU11, P2, L51-56

Likewise, participants were also aware that the secondary healthcare facilities provide 24-h service, which appeared to impact on their choice for going directly to the secondary healthcare facility.

“At the general hospital, healthcare providers are there 24-hours. One goes, and another person takes over. There is no time you come to the general hospital and you will not see someone to attend to you, even when the doctor is not around”. SRSU22, P6, L256-260

Waiting time The waiting time to see a healthcare provider was also highlighted among participants. The participants mentioned that the waiting time to see a healthcare provider at the secondary healthcare facility was longer compared to the PHC facility. They however, added that they were more comfortable waiting for a longer duration to be attended to at the secondary healthcare facility, than going to the PHC facility which is likely linked to receiving care from doctors at the secondary level.

“I don’t mind even if I am going to wait the whole day. Provided I get the best for my health, I will wait”. SRSU1, P8, L431-443

Need factors Andersen noted that the need factors can be viewed as perceived or evaluated need. He pointed out that the perceived need involves how individuals view their general health and functional state. He also added that symptoms the individual experiences and whether or not they judge their problem of sufficient importance and magnitude to seek professional help may be regarded as perceived need [31, 47]. Whereas, the evaluated need is a healthcare providers’ judgement or diagnosis of an individual’s medical condition necessitating their need for care [47]. However, only the perceived need was explored in this study due to the ethical and practical difficulty of assessing the evaluated need.

Medical symptoms Participants spoke about the symptoms that necessitated them to use the secondary healthcare facilities. Their symptoms varied, this included feelings of tiredness, stomach ache, feverish feeling, headaches, breathlessness, dizziness and ‘heart burn’ among others.

“The problem that brought me here is that I am feeling pain at the side of my stomach”. SRSU16, L109-111

“My problem is one thing, always if I am sitting and not working, I will be sleeping”. SRSU18, L292-294

“I do have heartburn and it turns my intestine”. SRSU24, L99-101

Different symptoms necessitated the participants to bypass the PHC facilities to the secondary level of care, despite the likelihood that some of the symptoms might have been well managed at the PHC facilities, which reflects the indiscriminate use of the referral facilities.

Severity of symptoms Participants’ perceptions of the seriousness of their health conditions were also noted. Some perceived their medical conditions as mild, while for others they felt it was severe enough to warrant presentation at the secondary healthcare facility.

Mild For example, one of the participants (SRSU12), only needed re-assurance about her condition but still decided to present at the secondary level of care.

“No, it is not that the condition is serious. I just want to, I want to know the month that I took in, to know when I am expecting my baby, just to be sure.” SRSU12, P3, L140-143 167

“I think I was a bit down, so it wasn’t like any serious major ailment”. SRSU11, P3, L116-117
Severe Other participants perceived their medical conditions as severe. This was attributed to varying reasons as experienced by the participants. For example, one of the participants claimed to have lost some weight which he termed to be a serious symptom for him.

“It's a serious condition because the way I am seeing my health, I am not like before... I used to be someone very huge but now I am losing weight”. SRSU17, P5, L229-233

Discussion
Predisposing factors
The participants had different levels of understanding regarding the roles of the different levels of healthcare facilities, which may have impacted on their decisions to seek healthcare at the secondary levels (general hospital). Some participants perceived the PHC facilities as facilities for rural settings which they associated with the poor. Findings from this study mirrored that of related studies. For example, some of the barriers to utilisation of the PHC facilities identified by a study in the UK, included the lack of awareness by service-users of the services that GP practices offered [48]. It was also noted that the service-users did not actually understand how the healthcare system operates and did not know about alternative services [48]. Nevertheless, contrary to the findings above, in France, it was ascertained that the patients interviewed chose the emergency department of a referral facility as discerning health consumers, because the patients were well informed about the healthcare system and the primary care services available to them [49]. Therefore, they were able to identify possible alternatives, and consequently translated their assessments into a choice to use the referral facility. Nevertheless, one of the suggestions proposed by the healthcare providers, was the need for patient’s education regarding appropriate use of the healthcare services to assist them make more rational decisions [49].

Enabling factors
Findings from this study revealed that healthcare providers play a pivotal role in the decision making of the service-users to utilise the referral facilities. Generally, the participants perceived that the PHC facilities had shortages of healthcare providers. They also remarked that occasionally the healthcare providers in the PHC facilities do close their facilities to attend to their own personal needs, such as going to their farms rather than attending to patients. Evidently, the problem of lack of staff in the PHC facilities is not peculiar to only the Nigerian healthcare system; a similar finding was reported in Tanzania in a community-based study of four Focus Group Discussion (FGD) to explore caretakers’ perceptions and expectations of services offered at PHC facilities [50]. They found that a common perception was the claim that there was insufficient staff at most facilities to provide the expected services. Additionally, this was furthermore aggravated by the frequent absenteeism of the staff [50]. The absence of attending doctors in the PHC facilities was also a common theme in the findings obtained from a semi-structured interview conducted among service-users in Saint Vincent and the Grenadines (SVG) [51].

Likewise, the perceptions of the participants regarding the different cadre (doctors, community health workers and nurses) of healthcare providers revealed they preferred to be seen by doctors who were readily available at the referral facilities. Thus, prompting the decision to bypass the PHC facilities. Similarly, in the UK, some service-users felt that they would be treated by practitioners more qualified than their general practitioner at the emergency department, which prompted them to bypass their local healthcare practice [52].

It was apparent from the qualitative findings of this study that participants’ perceptions regarding equipment/facilities was not only tied to the equipment required to make a diagnosis or conduct a test, but also the presence of amenities, such as light, water and the general environment of the facilities. Participants also placed emphasis on the need to have investigations performed to ascertain their specific medical problem before they were offered medications. However, it was highlighted that investigations are scarcely conducted at the PHC facilities. This was also a major finding among the caretakers of children under-five in Tanzania who wanted to know what was wrong with their children before they were given treatment. They were disappointed because the common practice was that the healthcare providers instituted treatment without investigation [50].

This was contrary to the referral facilities where tests were perceived to be carried out immediately [53]. Nevertheless, participants’ perceptions of their need for certain investigations is not always accurate, as not every condition warrants a test [54].

Also revealed from this study was that participants sometimes tend to consult and listen to their relatives or friends when faced with health needs. Similarly, it was also discovered that the idea to circumvent the PHC facilities to a higher level of care was a decision shared and encouraged by others, such as the participants’ families and friends [51]. This was also in tandem with the finding reported in the US [55].

Based on the perception that the participants were unlikely to get what they wanted at the PHC facilities, it was perceived as a waste of time to present at the PHC facilities, these in turn leads to loss of confidence in the PHC facilities [56]. This was also a similar finding for
other studies, whereby the patients expected that their GPs would send them to the referral facilities and thus, personally decided to take that initiative [22, 52, 57].

Access to healthcare facilities was a common theme identified in the qualitative aspect of this study as a possible reason for bypassing the primary level of care. This theme was observed to have multi-faceted dimensions. For example, the participants highlighted the socio-economic status of patients as a potential factor for utilising either the primary or secondary healthcare facility. They perceived that the wealthier patients were more likely to attend the higher level of care. This assumption may be common to the Nigerian healthcare system and other similar healthcare systems, where healthcare services are predominantly paid for by out-of-pocket. Most participants felt the cost of healthcare was higher at the secondary healthcare facilities when compared to the PHC facilities. Despite this assumption, the participants still felt the need to use the referral facilities. In Namibia, it was learnt that the perception that the cost of care was relatively low at the referral facility prompted their use [58]. Similarly, in Australia, the lack of charges to see a doctor at the emergency department prompted patients to self-refer [59]. Notably, funding for healthcare systems differs for different settings, which could impact on how patients use the healthcare services available to them.

The inconsistencies of how the PHC facilities operates, coupled with the understanding that the secondary level of care is in operation 24-h a day appeared to favour the use of the secondary level of care. Nevertheless, there was general perception that the PHC facilities lacked proper supervision which has degenerated into the irregular operation of the facilities. Similarly, it has been highlighted by other studies that service-user's inability to use their PHC facilities during regular opening hours was due to conflicts with their work schedule which prompted them to present to the referral facility [60–62].

The operation of healthcare systems in most settings is primarily regulated by the government of that country; consequently, the government have a crucial role to play in ensuring effective healthcare delivery. Accordingly, the participants in this study recognised the need for the government to be involved if an effective referral system is to be achieved in Nigeria. However, participants noted that for any government policies to be adhered to with regards to self-referral, the PHC facilities needs to operate at their expected standard. For others, an unfavourable policy meant a total boycott of the government-owned healthcare facilities in favour of the private healthcare facilities. In France, it was reported that healthcare providers suggested the need to impose financial penalty on patients who inappropriately use referral facilities [49]. In the Netherlands, it was found that only about 30% of the self-referred patients were unwilling to pay the suggested amount to self-refer to the emergency department [21]. Thus, adequate evaluation and care is needed in instituting financial penalties in different context.

Need factors

Different medical complaints necessitated participants’ bypassing the PHC facilities. Some of the symptoms included feelings of tiredness, stomach ache, feverish feelings, headaches, breathlessness, dizziness and ‘heart burn’. Likewise, other related studies noted that their participants attended referral facilities with different medical conditions [51, 60, 61, 63]. Symptoms experienced by the participants were perceived as severe for some participants and mild for others. Findings from related studies also revealed that patients bypassed the primary level of care irrespective of the perception of the severity of their symptoms [46, 54, 55].

Given the limitation of a qualitative study such as the sample size and sampling technique for this study, the findings from this study cannot be generalised beyond the examined population. Therefore, extending this research to include non-English speaking population and different region in Nigeria may help identify any geographical differences and consequently, help the government tailor their policies accordingly, if indicated. Another limitation of this study was its concentration on only the service-users from the secondary level of care and not including the tertiary level. In addition, current quantitative studies have mainly concentrated on looking at how specific factors impact on healthcare self-referral. Therefore, future quantitative studies may also consider looking at how different factors interact/relate with one another to impact on healthcare self-referral to further advance our knowledge on this topic.

Conclusion

Factors related to healthcare self-referral takes different forms based on the context. These contexts are in direct relation to the variations observed in the operation of the healthcare systems in different countries [64]. Accordingly, the findings from this study ignites the debate on the need for evaluation of the current model of the healthcare referral system especially for developing settings like Nigeria. Notably, the PHC concept has evolved over many decades and differs between industrialised and developing countries [65]. Major interest following the Alma-Ata Declaration of 1978, has been to take note of conflicting concepts, policies and processes in the implementation of the PHC concept in various parts of the world [64]. What has been considered as PHC in well-resourced contexts has been oversimplified in settings where resources are constrained. For example, PHC in well-resourced settings is associated with physicians who specialise in family medicine or General Practice (GP), while in developing countries it is synonymous with low technology, non-professional care [66].
In addition, healthcare delivery is mainly out-of-pocket payment for developing settings as compared to well-resourced setting with different forms of insurance and payment methods [27].

Therefore, some of the reasons for bypassing the primary level of care were contextual to the setting of this research which reflects the organisation and operation of the healthcare system in this setting. These factors, however, interact and impact on patient’s decision to bypass the primary level of care. Based on the findings, there is need for a multifaceted approach to ensure patients utilise the appropriate level of care to avoid undermining the primary healthcare facilities and allowing the referral levels of care to live up to their mandate. This should include maintaining the primary healthcare facilities at an operational level by equipping them with the necessary facilities. The need for a contextual model of financing the healthcare system is also essential rather than out-of-pocket payment. Augmenting the expertise of the PHC facilities with doctors should be considered. Educating the patients on the appropriate facilities to utilise is also important and overall the efforts of the government should be tangible by enacting appropriate policies.

Endnotes
1 General hospitals are secondary healthcare facilities in Nigeria.

Abbreviations
CHW: Community Health Worker; FGD: Focus Group Discussion; LGA: Local Government Area; PHC: Primary Health Care; SRSU: Self-Referred Service User; UK: United Kingdom; US: United States; WHO: World Health Organization

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Availability of data and materials
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Authors’ contributions
FK was the lead author for this study, thus planning and writing of the protocol, data collection and analysis were carried out by FK. GR and BO also had substantial contribution to the development of all aspects of this study and the manuscript. All authors read and approved the final manuscript.

Ethics approval and consent to participate
Ethical approval was granted for this study by the Institute of Health Research Ethical Committee (IHREC), University of Bedfordshire (Ref. number: IHREC464) and the National Health Research Ethical Committee (NHREC) in Nigeria (Ref. number: NHREC/01/01/2007). In addition, access to the general hospitals were granted by the Niger state hospital management board. Participation in this research was voluntary. Thus, participants were given adequate information about the research and signed consent was taken from the participants. Participants were also made aware that access to the transcripts and recordings will be limited to the research team. The recorded and transcribed data were password protected and stored with pseudonyms.

Consent for publication
All participants provided consent to publish anonymised data via the ethics approval.

Competing interests
None.

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