Parental experiences of childcare in an informal urban settlement: qualitative interview findings from the Nairobi Early Childhood in Slums (NECS) project


ABSTRACT

Objectives To gain an in-depth understanding of parent/carers' perspectives on, and decision-making about, early childhood care in general, and paid childcare specifically, in informal settlements in Nairobi.

Design In-depth telephone interviews, conducted using a topic guide, were analysed through a combination of deductive and inductive thematic analysis and regular reflexivity meetings. We explored parents' childcare needs and experiences over time, and their perspectives on the provision of paid childcare in the slums.

Setting Three informal settlements or slums in Nairobi: Kidera; Kavangware; and Mukuru-Viwandani.

Participants A purposively selected sample of 21 parental and non-parental carers of children aged under 5 years who were currently living in three Nairobi slums, including men and women, and users and non-users of paid childcare.

Results Childcare is complex, with a plurality of approaches being used. Common strategies include family member provided care (often but not exclusively by mothers, at home or at a place of work), paid childcare and informal or ad hoc arrangements with neighbours. Childcare decision-making in these settings is constrained by economics and the broader context of living in the slum. Paid childcare is frequently used, but is widely understood to be lacking in quality, especially for the poorest. Quality of childcare is understood to comprise a combination of structural factors, such as the physical space, play and learning resources and processes such as interactions between the care provider and children or parents.

Conclusions These findings suggest a need, and opportunity, to improve early childhood care in slums. Understanding parental perspectives on both the deficiencies and valued features of childcare is likely to be vital to informing efforts to improve childcare in these settings.

INTRODUCTION

The importance of early childhood development (ECD) is increasingly acknowledged by academics, policymakers and funders, driven by a growing appreciation of how early life adversity and the presence or absence of ‘nurturing care’ are key determinants of human capital accumulation. At the same time, the world, especially African Countries, is rapidly urbanising and much of this urbanisation is informal, with significant consequences for health.

There is, however, a limited literature about ECD in urban areas, especially who is, or is not, providing the critical nurturing care to young children in these settings. There is often a presumption that mothers are the only or main provider of care to young children, and this is reflected in much ECD policy. While there is considerable evidence about increasing use of childcare providers in many informal urban settlements, little is known about the perspectives of key stakeholders including of parents/carers relating to this childcare, as much of the research work to date has been quantitative. Key themes emerging from the few studies that have been conducted, suggest that parental...
decision-making may be constrained by circumstances and that both decision-making and provision of childcare are highly gendered, with a presumption that this is ‘Women’s business’.

We aimed to address this knowledge gap, through a set of in-depth interviews (IDIs) with parents/carers from across three slums in Nairobi to build an understanding of their perspectives and decision-making about childcare. This study formed part of the larger Nairobi Early Childhood in Slums (NECS) study which sought to understand the use of, and to document the provision of, paid childcare in an informal settlement in Kenya.

Early in the project, the SARS-CoV-2 pandemic emerged, with consequential radical impacts on the lives of almost all people in the world, including those living in Nairobi slums. While this necessitated a shift from in-person to remote (telephone) interviews, we took the opportunity to also explore how the pandemic, and associated attempts to control it, impacted the care of young children in the slums, reported separately.

METHODS

Study design

Qualitative in-depth interviews, conducted remotely by telephone.

Setting and participant characteristics

Data were collected between 11 May 2021 and 17 September 2021, through in-depth telephone interviews with parents/carers of children aged under 5 years, living across three slums in Nairobi (Kibera, Kawangware and Mukuru-Viwandani). These slums were selected for three reasons. First, they are collectively typical of the larger and longer established slums across Nairobi. Second, this provided overlap with the setting of the larger NECS study, allowing triangulation and deeper exploration of emerging insights. Third, practical considerations; our data collection partner, BUSARA had an existing database with contacts of low-income households who have agreed to be invited to take part in future planned studies. Invited participants included users and non-users of paid childcare and men and women.

All three slums are characterised by high levels of poverty, poor sanitation and hygiene, inadequate shelter, poor infrastructure, high levels of insecurity and low rates of formal employment. All of these slums have been established for decades and are subdivided into overlapping ‘villages’ which are often dominated by one ethnic group. Uptodate data on employment status, education and mobility patterns in the slums are hard to come by. However, recent research suggested that around half the population in Viwandani had completed secondary or higher schooling, and around two-thirds of women and 9 in 10 men were employed, with most employment being informal.

Across all three slums, the vast majority of provision of childcare is private and informal, largely being located in private homes, with a smaller number of ‘daycares’ as they are all commonly referred to, being linked to schools, community-based organisations or faith-based organisations.

Data collection

An experienced Masters level interviewer (RM) conducted telephone interviews in the local language (Kiswahili) using a semi-structured topic guide developed by the authors (online supplemental appendix 1). The content of the topic guide was informed by a literature review and draft theoretical framework setting out anticipated childcare options, and potential determinants of decision-making (described in more detail in the NECS study protocol paper).

Participants were selected from a randomly ordered list of 650 parents or primary carers who had completed up to five structured telephone surveys tracking the impact of COVID-19 on the care of children in slums. All participants were responsible for the care of a child aged under 5 years (at the start of the study).

Sampling was purposive; RM worked down a randomly ordered list of 650 participants from a larger Covid-19 survey of parents of children aged under 5 years, to include a mixture of males and females of a variety of ages of children and both users and non-users of paid childcare. When it was felt in team review meetings that one group (eg, mothers, or those caring for older children) was sufficiently well represented in the sample, participants on the list were skipped until a participant with a desired characteristic was reached.

Telephone interviews were pre-scheduled through a scheduling call, and participants were asked to identify a quiet area and convenient time to take the interview call. Calls began with RM introducing herself and reading a participant information sheet and a consent script. Where necessary, this information was rephrased for clarity to ensure participants’ understanding, and an opportunity was also provided for respondents to ask questions.

Interviews (excluding the informed consent process, but including the discussion about the impacts of COVID-19, reported elsewhere) lasted between 14 and 39 min, with a mean duration of 22 min. Interviews were audio-recorded and then later, in small batches of one to three interviews, were simultaneously transcribed and translated verbatim into English by a professional translator. These translated transcripts were reviewed and, where necessary, translations corrected by RM prior to analysis. RCH, RM, PKW, SO and ZH met regularly, approximately every 1–2 weeks, during fieldwork to identify and discuss emerging themes and to adapt the topic guide where necessary in order to explore emerging themes in more depth. Topics where emphasis was added to the topic guide included trust and kinship (including ethnicity), informal accountability mechanisms and regulation of childcare provision. These meetings were also used to determine, through review and discussion of the transcripts, when additional interviews were deemed to not
be providing new information. No follow-up or repeat interviews were conducted.

Public involvement
Public engagement meetings were held during study design/inception with local community-based organisations working in the area in February 2020, during which methods and research questions were discussed. In addition, a series of pre-study visits to the study site allowed for initial formative discussions about the research questions with parents and childcare providers. Interview guides were iterated as the data collection and analysis progressed, drawing on experiences, perceptions and ideas reported. In addition, during preparation of this manuscript emerging findings were shared in a community meeting in Nairobi in March 2022. At this meeting, the findings were presented in brief, and there was broad agreement in them; the conversation became focused on policy implications of the work.

Ethical considerations
At the start of interviews, participants were in turn asked to confirm that they were happy (1) to take part, (2) for the conversation to be recorded, translated and transcribed and (3) for these data and their analysis to be shared and used with researchers both in and outside of Kenya. In this, the rationale for the study was explained, in particular the hope that this research can help to inform longer-term efforts to improve childcare in slums. They were also informed that they would receive a small amount of compensation (mobile talk time credit equivalent to US$3) for their battery use/other expenses. This verbal consent process was audio-recorded. The consent script used is included in online supplemental appendix 1.

Data analysis
Data analysis occurred concurrently with data collection, primarily through team meetings every 1–2 weeks. All transcripts were read several times to build familiarity with the data. They were then coded using NVivo V.12 using initially a deductive coding template developed based on the theoretical framework that guided development of the interview guide, drawing on the NECS study protocol paper. Within these broad themes, interview transcripts were coded inductively into subthemes, focusing on understanding the underlying meaning behind statements, and also to identify both consistent and apparently contradictory responses.

Emerging subthemes and draft coding schedules were shared and discussed among the authors in the team meetings, and reflective notes were kept throughout the process, noting down the themes which were felt to be most important alongside contrary perspectives where these arose, and the context in which the information was provided. Over the course of these meetings, including those after data collection had been completed, the key themes presented below were developed. In addition, these meetings were used to reflect on the effectiveness of telephone interviewing, including how easy or difficult it was for the interviewer (RM) to build an effective rapport over the phone. Various strategies were employed to do this, including flexibility on scheduling—to allow for when was most convenient for respondents—and also allowing interviews to be more guided by respondents, for example, encouraging the conversation to flow to areas where they were most open, especially at the start of calls.

During training and analysis, the epistemological position of the research team was discussed at several points; broadly, the team felt they adopted a pragmatic position, which seeks to focus on the utility of knowledge to inform practice, programmes and interventions.

The analytical approach taken in this research is also phenomenological, seeking to draw on the experiences of the research participants and how they describe their lives. However, at the same time, we also recognised that a concern for addressing inequity—an emancipatory approach—informs our thinking, as do feminist perspectives and concerns for addressing gender inequality. RM, SO and PKW are early childhood development researchers living and working in Kenya who use both quantitative and qualitative methods. RCH, ZH, SB and BK are UK-based child health and development researchers. RCH has worked as a health adviser at several international donor organisations. SB is a community child health physician.

We have used the Standards for Reporting Qualitative Research (SRQR) reporting guidelines in drafting this manuscript.

RESULTS
Table 1 describes the characteristics of the IDI participants. Respondents were mostly mothers, and fathers, with two grandparents. The majority of children were aged 12–23 months and older. The selected participants included an approximately even number of users (n=11) and non-users (n=10) of paid childcare.

Childcare was an important aspect of the lives of all the interviewees. The need for someone—either themselves, their partner or someone else—to look after their child was universally acknowledged, with this need changing as a child and siblings grow and as work and social circumstances change.

Examining this in more detail, three major themes emerged: the plurality and diversity of childcare approaches and strategies; the constrained decision-making involved in childcare use; and four core features of the paid childcare market (informality, flexibility, diversity and deficiency). These major themes, illustrated in figure 1, build on those identified a priori. Specifically, these themes additionally emphasise the dynamic nature of childcare needs and the widespread acknowledgement of deficiencies in the current childcare system.

Among those interviewed, there was considerable plurality of approaches and strategies to childcare. Many different strategies were employed along most families’ childcare journeys. These included care provided by a family member, including parents, grandparent(s), siblings and aunts/uncles. At times this entailed one parent, usually the mother, dropping out of the workforce to care for a child. Alternatively, a parent/carer would take the child to work with them, although it is notable that this was only feasible for certain types of work (eg, selling at the market) and at certain ages and stages of child development, especially when they were younger. In addition, among respondents in this study, those taking a child to work with them were exclusively reported to be women.

Two types of categories of paid childcare were reported. The use of paid but informal ‘centre-based’ childcare was described as common. In practice sometimes this ‘centre’ was also often the childcare provider’s home, with the physical space very similar or identical to the single-room dwellings that are common in the area. The varying versions of ‘centre-based’ childcare described by respondents are discussed further below, including in boxes 1 and 2.

The use of nannies or ‘house girls’ was mentioned, although much more uncommonly, and was described as being more commonly used by better off families. Challenges with this childcare strategy including affordability and staff retention, with several respondents saying how ‘house girls’, as they were often referred to, could not be relied on to stay in part because of the low wages that they could afford to pay them. Neighbour-provided care, or children playing with others ‘on the street’ was also described as common, although generally for shorter periods of time, for example, when going to the shops. Sometimes this was unpaid, but sometimes it was paid for either in kind or with a generally small and variable amount.

Table 1  Respondent characteristics

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Frequency (n=21)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Female</td>
<td>13</td>
</tr>
<tr>
<td>Male</td>
<td>8</td>
</tr>
<tr>
<td>Age of respondent</td>
<td></td>
</tr>
<tr>
<td>18–25</td>
<td>2</td>
</tr>
<tr>
<td>26–35</td>
<td>11</td>
</tr>
<tr>
<td>36–45</td>
<td>8</td>
</tr>
<tr>
<td>Formal education</td>
<td></td>
</tr>
<tr>
<td>Some primary schooling</td>
<td>2</td>
</tr>
<tr>
<td>Completed primary</td>
<td>6</td>
</tr>
<tr>
<td>Completed secondary</td>
<td>8</td>
</tr>
<tr>
<td>Any post-secondary education</td>
<td>5</td>
</tr>
<tr>
<td>Age of child/children</td>
<td></td>
</tr>
<tr>
<td>0–11 m</td>
<td>2</td>
</tr>
<tr>
<td>12–23 m</td>
<td>10</td>
</tr>
<tr>
<td>24–60 m</td>
<td>9</td>
</tr>
<tr>
<td>Relationship to child</td>
<td></td>
</tr>
<tr>
<td>Mother</td>
<td>11</td>
</tr>
<tr>
<td>Father</td>
<td>8</td>
</tr>
<tr>
<td>Grandparent</td>
<td>2</td>
</tr>
<tr>
<td>Use of paid childcare</td>
<td></td>
</tr>
<tr>
<td>Yes</td>
<td>11</td>
</tr>
<tr>
<td>No</td>
<td>10</td>
</tr>
</tbody>
</table>

Parental perspectives on childcare in informal settlements in Nairobi: key themes

Figure 1  Parental perspectives on childcare in informal settlements in Nairobi: key themes.
The needs of the child were reported as important by many study participants. Most specifically, this was described in terms of the age of the child, with a preference, including by fathers, for the youngest children being predominantly cared for by a mother, especially when breastfeeding:

Breastfeeding is very important… if you have decided to give birth, stay with your child and look after them. – IDI13, father of 15-month-old cared for by her mother at home.
Another aspect of the child’s needs that influence decisions on what childcare approach to take was their need for social interaction and to spend time with peers. In addition, several respondents described how paid childcare, or preschool, helped their child to get a head start in early learning:

They are taught how to read, play with the crayon. Is it called crayon? … Yes, they are taught how when they play this is called this and that (naming objects). – IDI7, mother of 4-year-old childcare user

When he is with children in school, he is able to know a lot and to be bright. I tell him to go and spend his day there. – IDI5

Parental (or other primary carer’s) work was important to childcare decision-making in a variety of ways. This included responding to the challenge of intermittent, often informal, work and the knock-on variability in what childcare is needed. Work hours and location were also important, the latter frequently necessitating long commutes, and meaning that a provider who offered long hours was preferred:

...They would allow you to bring a child in the morning and pick them even at 5 pm or 8 pm because the owner was living in the same environment… So, you see it is an advantage even when you come from work late. – IDI8, mother and former user of childcare for now school-aged child

Parent/carer gender was also important to the process of childcare decision-making. Although some parents/carers reported shared decision-making, more commonly both male and female parents/carers reported that these decisions and responsibility were primarily a women’s:

That is a woman’s decision. When you understand about these things are women determined … she will know if she can leave them or not. – IDI13

That is on me because even when I take him to the daycare, I am the one to pay. – IDI1, mother of a 4-year-old and previous childcare user

That said, caregivers also considered advice from others, including both the child themselves and trusted friends or neighbours. In terms of the child’s own expressed preferences, this included, for example, their desire to spend time with particular relatives or desire to socialise with peers in the neighbourhood. Friends or neighbours, especially those with direct experience of particular paid childcare providers, also sometimes directed parents to providers perceived as being of higher quality and/or providing better value services. Some respondents reported that ethnicity was an important consideration, with some expressing a preference for a childcare provider from their own ethnic group, citing increased trust towards members of their own tribe:

We don’t trust them they are the bigger thieves. – IDI9

The paid childcare market is diverse, informal, flexible, but also often deficient

The second major theme identified related to the features of the, commonly used, paid childcare provider ecosystem. ‘Daycares’, as they are usually referred to, were described by respondents as common and ubiquitous. Core features of the childcare ‘system’ or market described by parents were diversity, informality and flexibility. In addition, when talking about quality of childcare provision, a core theme to emerge was that of deficiency. Boxes 1–2 include vignettes describing the experiences of two illustrative study participants’ use of ‘daycares’ in an attempt to provide a rich description of the role of the paid childcare providers in users’ lives.

Diversity

Both users and non-users of paid childcare described a broad spectrum of provision of childcare in the slum. This ranged from one extreme the most informal, ad hoc, arrangements with neighbours where small payments, sometimes in kind, were made:

You have to give her something… when you go to the market and you get a good amount or when you come from a job. You give her… when you have something. – IDI11, mother of a 1-year-old

She is a small girl… It really is a woman’s home…who takes care of children. – IDI7

At the other end of the spectrum is more formalised, ‘centre-based’ childcare, which might separate children into ‘classrooms’ by age and involve the employment of staff. However, the most commonly described paid childcare sits somewhere in between these extremes.

Informality

Almost all paid childcare in the slum is informal. Providers are mostly women, and they may or may not have any formal training. More commonly they will have experience of looking after their own children; some were described as having ‘volunteered’ for the role. The setting-up of the daycare is commonly described in organic, rather than planned, terms.

Many respondents described the system as totally unregulated, operating largely ‘under the radar’ of the government. This was in part a reflection of the broader informal context of slums, where regulation was described as unusual, but the lack of regulation of childcare specifically was also seen as notable by several respondents:

Even me I can wake up one day and open my house to the public and say I have opened a daycare… Without being asked a question. – IDI13

The government was trying to check on them but there is a way they do not recognize daycares… They are not branded, and they are many. … Some are hidden… you won’t see a sign board. - IDI8

However, a few parents/carers described some—generally narrowly in scope—regulation. These included
occasional visits by local sanitation/hygiene officers, or reactive, heavy-handed and ultimately ineffective regulatory initiatives including demolitions that were precipitated by a child death in a childcare facility, or a fire.

In part because of a recognition of the risks associated with the absence of formal regulation, acknowledging the importance of entrusting a child to a sometimes-unfamiliar daycare provider, several parents/carers described having to themselves undertake quality checks. These ‘spot checks’ or ‘fact-finding missions’ seemed to also reflect a lack of trust in providers:

So it’s a must for a parent to be observant… maybe this daycare has other intentions, this world is changing. You understand? … You can’t take your child to a stranger. If you take them to a daycare you should look. First you should look at this daycare how do people see it? Or you do a feasibility study … So, you can understand how things are happening. – IDI13

I personally started observing her. Because I am not employed—it is my own job—so I can go at any time… I can leave at any time and tell her I have come back early give me the child I stay with him. So that’s how I came to know she is a good lady. – IDI19, father of a 2-year-old childcare user

To replace or augment this informal regulation, some respondents suggested that the government needed to take a more active role in regulating the sector:

I think the government should focus on daycare centres to be registered and they should check the quality before someone opens a daycare. They should check on the environment to see if it is safe for these children to stay there and even be strict on the number of children that a person can handle in the daycare. If the children are many and it is one or two people, it’s not good. They should look at how many they are, give them a license to show that this daycare is okay. – IDI8

That said, respondents’ expectations for improvement in quality or formalisation of childcare provision was extremely limited; while several suggested what the government could or should do to regulate the providers, there was little expectation of this happening, reflecting the wider limited policy attention and resources given to slums:

You know how things are in the slums! – IDI17

A third feature of paid childcare in the slums was flexibility: Among those who used daycare, the providers’ flexibility in terms of pick-up times, payment and emergency childcare was important, especially for those who worked long or unpredictable hours; ‘You can get late … but she is understanding. …that’s why I love her’ - IDI16. The flexibility in payment also meant children were fed on days when caregivers could not afford food themselves:

“When I don’t have money, they eat there and I will pay the day I will get it’ - IDI2.

This flexibility was described as being due to a combination of both pragmatism and the norm in the slums where ‘credit’ or late payment to providers of services is common and also, related, sometimes due to the limited social distance between parent/carer and provider. This was governed in part by how well the respondent knew the provider, but also by aspects such as tribe/kinship. In general trust was low in the study setting and those who did not send their children to daycare often cited their limited trust in the community:

‘Nowadays there is no trusting each other… you can’t trust anybody. For example, you can trust someone and leave them with my child for a while and you find sometimes they disappear with the child’. – IDI12, mother of a 1-year-old, who stays at home with her

When describing good quality childcare, parents/carers talked about the flexibility described earlier, but also described the importance of a set of structural or infrastructure aspects to quality alongside process dimensions.

Structural aspects included the features of the physical space for the childcare and its immediate environment, including (over)crowding, safety, (visible) cleanliness of the location and the children, sanitation and hygiene and the presence or absence of play/learning materials. Process aspects of quality included: the ratio of caregivers to children; care and responsiveness of the provider (in particular how well they interact with children); how friendly they were, quality of ‘teaching’: peers and peer interaction at the daycare, and; the quality of food and feeding support provided.

For both structural and process aspects, a range of quality was often described among users of paid childcare. Table 2 provides illustrative quotes of both the range of quality described, or desired, for these.

Participants linked some of this variation and diversity to the differing fees charged by childcare providers, which reportedly ranged from as low as 5 Kenyan shillings (KES) per day (around US$0.05), to a more common 30–70 KES (US$0.3–0.7) per day, and with some charging up to 100–200 KES (US$1-2) per day.

Now when you get the one that charges 50 shillings… you want your child to go and suffer there…? It’s like you have left your child on the road. Because they will be left there crying … You know, you have to spend so that your child can live well. – IDI4, mother of a 3-year-old non-user of paid childcare

Parents reported that this represented a significant proportion of the household budget for many ‘It is expensive… It charges 15 shillings per day’ (IDI5). Payment was generally reported to be made daily, but some paid weekly or monthly.

And [this daycare] was at least affordable… It was 850 shillings there and some others require one to pay...
Table 2  Illustrative quotes demonstrating the range of structural and process aspects of quality of slum childcare

<table>
<thead>
<tr>
<th>Better looks like…</th>
<th>Aspect of quality</th>
<th>…worse looks like</th>
</tr>
</thead>
<tbody>
<tr>
<td>Structural factors</td>
<td></td>
<td></td>
</tr>
<tr>
<td>We chose this lady’s because it looks like it's a bit clean. – IDI5</td>
<td>The physical space for the daycare and its immediate environment.</td>
<td>There, children are too many in one small room… And outside the door there is a trench … So, you know a child maybe playing and fall in the trench … or they get sick. – IDI14</td>
</tr>
<tr>
<td>They are fine, happy and they sleep on mattresses when it’s time to sleep. – IDI7</td>
<td>(Visible) cleanliness, sanitation and hygiene.</td>
<td>The one [name] goes to has more than 50 [small] children, aged from 2 months to 1 year. – IDI5</td>
</tr>
<tr>
<td>You know the other one doesn’t have a toilet, the children go for long calls on the side. They are told to go on one side. [At the one I use] she puts a sack and then she goes to throw it in the toilet… …I have not said it is good we are only saying it is better. – IDI5</td>
<td>Presence or absence of play/learning materials or first aid equipment.</td>
<td>Where we take them those tools [to check their temperature when unwell], they are not there. – IDI17</td>
</tr>
<tr>
<td>These teacher were friendly with the children … And they have good hearts. – IDI19</td>
<td></td>
<td></td>
</tr>
<tr>
<td>The lady who looks at the children is careful and she also knows how to talk to children… – IDI8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Process factors</td>
<td></td>
<td></td>
</tr>
<tr>
<td>They look after them well … when the lady sees the child has made themselves very dirty, they clean them and you find he has been changed and he looks well and you feel content with the service. – IDI7</td>
<td>Care and responsiveness of the childcare provider.</td>
<td>She has one room … She has three mattresses inside and there are like 20 children so I usually wonder, honestly speaking how she serves the babies. … some are 1 year old, 1 year down to a few months. – IDI9</td>
</tr>
<tr>
<td>The lady who looks at the children is careful and she also knows how to talk to children… – IDI8</td>
<td>Quality of “teaching”.</td>
<td>… the kind of lady that locks children in the house and goes out. – IDI19</td>
</tr>
<tr>
<td>The lady there is joyful. – IDI18</td>
<td>Peers and peer interaction.</td>
<td>She took a lot of children but there is a number they were specifying so she would take a lot of them and they would cry at the same time and the caregiver is one. She would be cooking and still looking after the children. – IDI8</td>
</tr>
<tr>
<td>She is understanding and she is friendly to children. Children love her and she stays with your child like she would stay with hers. – IDI16</td>
<td>Quality of food and feeding support provided.</td>
<td>They are just inside there is nothing that this teacher does she just look after them. She is like a watchman. – IDI5</td>
</tr>
<tr>
<td>You see maybe she is feeding her well and the children come when they are full. That is good and she looks after them. – IDI2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

IDI, in-depth interview.

2000 shillings per month … Raising such an amount is hard. – IDI18

Even within the range of quality described earlier, a consistent theme was that of deficiency in what childcare was accessible to people with young children in the slum. Although some reported personally being content with the quality of the childcare they used, the presence of ‘bad’ childcare, as described in table 2, was frequently reported. Commonly ‘bad’ childcare was described as being childcare where the provider was motivated by (only) making money, where (s)he was untrained, inexperienced and the setting was a dangerous place, with hazards like open fires, unprotected sewers or rivers and in dark, crowded rooms. One example of reportedly deficient childcare was the use of sedatives to manage large numbers of children; for example, one parent reported that ‘when they are crying they are given parition [the brand name for an antihistamine medication than leads to drowsiness] to sleep.’ (IDI12) and some even reported involvement of unscrupulous daycares in child trafficking: ‘You know, some are on child trafficking!’ (IDI13), although it is notable that in both of these were the perceptions of deficient care reported by non-users of paid childcare.

This poor care was described as occurring within a context that respondents described as one of generalised economic disadvantages when living in a slum ‘You know this life in the slums… we do not have many luxuries’ (IDI13). In addition, some emphasised a lack of government attention or investment in slums in general; ‘Our government has a lot of money… [but] they are not concerned about us’ (IDI5). Widespread corruption was also cited as an underlying concern: ‘They are taking money and storing it in their houses. You see the reason why Kenya is moving backwards? …the thing that is hurting us is this government’ (IDI5).

The impact of this deficiency in provision was considerable. This included a worry that poor quality care would
lead to a child coming to harm; something that brought considerable anxiety to caregivers who felt they had limited alternatives.

A final important point that was made about paid childcare provision in the slums was about the, often gendered, economic benefits that can arise from provision of paid childcare. This was described in positive terms as being important for the providers themselves through the generation of jobs, often for women:

You know I want us to calculate on the calculator. When you add up more than 50 children per day it is 500 shillings, 500×30… That is 15 000. That person has employed herself! – IDI5

In addition, respondents described how having access to flexible childcare enabled parents/carers—and mostly mothers—to work and earn an income, including from informal and intermittent work.

**DISCUSSION**

This study has discussed a number of key issues related to the challenges of caring for young children in a slum. First, although a diverse set of strategies are used, many families have little real choice in childcare; rather decision-making is about accommodating to household and contextual realities, and this challenge often falls to women. This is consistent with a broader and contextual realities, and this challenge often falls to women: Hughes et al. BMJ Open 2023;13:e071627. doi:10.1136/bmjopen-2023-071627

That paid childcare appears to be a core part of the child's expectations for this to change, at least in the short term. Users of ‘daycares’, and respondents expressed limited quality of the, commonly used, paid childcare in the slum. These concerns were often shared by both users and non-users of ‘daycares’, and respondents expressed limited quality of the, commonly used, paid childcare in the slum. This was described in positive terms as being important for the providers themselves through the generation of jobs, often for women:

In addition, respondents described how having access to flexible childcare enabled parents/carers—and mostly mothers—to work and earn an income, including from informal and intermittent work.

Second, we describe widespread concern about the quality of the, commonly used, paid childcare in the slum. These concerns were often shared by both users and non-users of ‘daycares’, and respondents expressed limited expectations for this to change, at least in the short term. That paid childcare appears to be a core part of the child's expectations for this to change, at least in the short term. This is consistent with a broader, if still limited, body of research exploring urban early childhood which shows the plurality of strategies that are often used, although often with fewer constraints in higher income settings than we identified in the slums.9 27-33

Second, we describe widespread concern about the quality of the, commonly used, paid childcare in the slum. These concerns were often shared by both users and non-users of ‘daycares’, and respondents expressed limited expectations for this to change, at least in the short term. That paid childcare appears to be a core part of the child's expectations for this to change, at least in the short term. This is consistent with a broader, if still limited, body of research exploring urban early childhood which shows the plurality of strategies that are often used, although often with fewer constraints in higher income settings than we identified in the slums.9 27-33 It is also noteworthy that parental conceptions of ‘quality' of childcare seem to encompass many aspects of the WHO/UNICEF Nurturing Care Framework2 which emphasises the importance of safety and security, health, nutrition, early learning and responsive caregiving. It is also interesting that some parents were able and willing to make financial sacrifices to either keep their children at home under their own care, or to send them to a better, or ‘less bad', childcare provider.

Third, the flexibility in payment and hours alongside both physical and social proximity of childcare providers seemed to be important to parents/carers. This implies that strategies to improve provision of quality childcare need to take these into account, alongside the need to keep provision low cost. This is consistent with the idea that childcare decision-making is less a rational exercise than a, sometimes messy, process of accommodation of family, employment and social and cultural demands, something that appears to be common across even very different settings.34

Finally, underlying childcare decision-making is an, often gendered, set of conditions and norms which determine the choices parents/carers make, when they have options available to them. Women are often expected to take the lead on childcare decision-making, echoing similar work among informal workers which points to the tension women frequently face in balancing roles as care providers and earners with managing their own well-being, and how this leads to ‘least bad’ rather than idealised choices.1 However, our findings did also suggest that men are commonly involved too, including in drop off/pick-ups and also checking on quality of care.

**Implications of this research**

The first key implication of this research for policy is the urgent need to better consider non-parental childcare providers, including paid childcare providers, in ECD policy and programmes. The common use of, and dissatisfaction with, much current paid childcare provision ought to prompt further consideration of how quality of childcare can be improved.

Second, these findings can help to inform such quality improvement efforts. For example, understanding parent/carer perspectives can help with the design and delivery of services that, through addressing parent/carer needs, concerns and preferences, will be more likely to be used. These qualitative findings should therefore be integrated with both other qualitative accounts, including those from the more developed social policy and grey literature,27 35 and quantitative research—such as that undertaken through the broader NECS study—8 in order to address the deficiencies we discuss here. Although several, often non-governmental organisation led, projects have documented both community-led and externally driven efforts to improve childcare quality in slums, it is notable that few data exist on the impacts of these on child development.36–38 In addition, it is notable that few of these initiatives seem to include a step change in the resources allocated to informal childcare provision; something that our findings, of widespread deficiency in provision, imply might be needed.

**Strengths and limitations of this study**

This study has a number of strengths. We are aware of any other research which has sought to gain an in-depth understanding of parent’s/carers’ perspectives on care of young children in sub-Saharan Africa’s slums. The use of IDIs provided insights into parental views, expectations, practices and preferences, including their childcare journeys over time and their views of the childcare strategies that they do and do not regularly use. The sample, selected purposively, included both parent and non-parent primary caregivers, men and women and those using and not-using paid childcare in the slum. This provided a valuable breadth of insights. Data collection
by an experienced researcher, with experience working on this issue and in this setting, combined with regular concurrent team analytical and reflexivity discussions enabled collection of high-quality data. In addition, alongside the limitations of telephone interviewing, discussed below, this method also provided some advantages. For example, it allowed us to include participants who we may have struggled to locate in person during daylight hours in the slum due to their work patterns, and we felt that at times it may also have enabled honest reflections due to the balanced anonymity involved, as has been reported elsewhere. Finally, that this qualitative research is part of a broader mixed-methods examination of the care of children in slums means that data can be triangulated across methods.

Limitations of the study include the sampling frame which, due to COVID-19, relied on an existing (although recent and relevant) sampling frame of potential telephone survey respondents. It is possible that this limits the relevance of the study findings, in particular excluding the most poor, who may have less access to a mobile phone. Furthermore, we were concerned that the use of remote data collection (telephone interviews) might undermine rapport building or lead to interruptions to interviews, although in practice this happened very rarely, and all calls were completed. In addition, due to the limited duration of the calls, and the breadth of topics explored including the ongoing impacts of the COVID-19 pandemic, there was insufficient time to explore some issues in detail, for example, deeper issues relating to the role of culture in traditions of child rearing. Finally, despite strategies such as flexibility in scheduling and requesting that the respondents found a quiet space for the interview, it is possible that respondents were not in a private space for the interview or were distracted which could have influenced responses. Related, relying on telephone interviews meant that fewer non-verbal cues could be picked up and it was not possible to relate what was said to the context in which it was communicated.

Unanswered questions and future research

This research also implies a further set of important research questions. First, the qualitative findings presented here will be important to triangulate quantitative work from the wider NECS study and other similar work. This includes quantitative survey data, including that from the linked computer-assisted telephone interviews, household survey and childcare provider mapping and childcare quality assessment surveys. These data will allow us to quantify the plurality in childcare strategies and to assess the quality of different paid childcare provision. In addition, qualitative work to understand childcare providers themselves, and their practices and motivations, will be critical to inform the sort of childcare quality improvement interventions referred to earlier.

Finally, building on all of these, there is an urgent need to build an evidence base on the process and impact of interventions to support ECD in slums, including through improved childcare provision, including those currently being developed in Nairobi and elsewhere.

CONCLUSION

The care of young children in slums is important, complex and underexplored. Children in these settings face multiple adversities at a highly formative time in the life course. Parental and other carer perspectives and decision-making around childcare are poorly understood, yet are central. Childcare decision-making in these slums is driven by a combination of the child’s needs, the parent/carer’s needs and the wider context, and can be seen as a process of accommodating to household and contextual realities.

These insights, alongside the widespread reported deficiency in current provision of childcare in slums described in this study, ought to inform overdue efforts to better support ECD in slums. This includes overdue research, policy and programmatic interventions to improve paid childcare provision in informal settlements so that more children growing up in these settings both survive and thrive.

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under strict collaboration agreements through emailing the corresponding author or researchdatamanagement@lshtm.ac.uk.

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