

## Durham Research Online

---

### Deposited in DRO:

17 July 2014

### Version of attached file:

Accepted Version

### Peer-review status of attached file:

Peer-reviewed

### Citation for published item:

Hampshire, Kate and Porter, Gina and Agblorti, Samuel and Robson, Elsbeth and Munthali, Alister and Abane, Albert (2015) 'Context matters : fostering, orphanhood and schooling in Sub-Saharan Africa.', *Journal of biosocial science*, 47 (02). pp. 141-164.

### Further information on publisher's website:

<http://dx.doi.org/10.1017/S0021932014000169>

### Publisher's copyright statement:

© Copyright Cambridge University Press 2015. This paper has been published in a revised form subsequent to editorial input by Cambridge University Press in 'Journal of biosocial science'(47: 02 (2015) 141-164)  
<http://journals.cambridge.org/action/displayJournal?jid=JBS>

### Additional information:

## Use policy

---

The full-text may be used and/or reproduced, and given to third parties in any format or medium, without prior permission or charge, for personal research or study, educational, or not-for-profit purposes provided that:

- a full bibliographic reference is made to the original source
- a [link](#) is made to the metadata record in DRO
- the full-text is not changed in any way

The full-text must not be sold in any format or medium without the formal permission of the copyright holders.

Please consult the [full DRO policy](#) for further details.

## CONTEXT MATTERS: FOSTERING, ORPHANHOOD AND SCHOOLING IN SUB-SAHARAN AFRICA

### Authors

\*Kate Hampshire, Dept of Anthropology, Durham University, UK. [K.R.Hampshire@durham.ac.uk](mailto:K.R.Hampshire@durham.ac.uk)

Gina Porter, Dept of Anthropology, Durham University, UK. [R.E.Porter@durham.ac.uk](mailto:R.E.Porter@durham.ac.uk)

Samuel Agblorti, Dept of Population and Health, University of Cape Coast, Ghana.  
[miledzi@yahoo.com](mailto:miledzi@yahoo.com)

Elsbeth Robson, Department of Geography, Environment and Earth Sciences, University of Hull.  
[E.Robson@hull.ac.uk](mailto:E.Robson@hull.ac.uk)

Alister Munthali, Centre for Social Research, University of Malawi. [Alister.munthali@gmail.com](mailto:Alister.munthali@gmail.com)

Albert Abane, Dept of Geography and Regional Planning, University of Cape Coast, Ghana.  
[abanealbert@gmail.com](mailto:abanealbert@gmail.com)

\* *Corresponding author*

### **Running head: Fostering, orphanhood and schooling in Africa**

Word count: Text only: 8,244. Including abstract, references and tables: 11,106.

**Summary:** *A growing body of research suggests that orphanhood and fostering might be (independently) associated with educational disadvantage in Sub-Saharan Africa. However, literature on the impacts of orphanhood and fostering school enrolment, attendance and progress produces equivocal, and often conflicting, results. This paper reports on quantitative and qualitative data from 16 field-sites in Ghana and Malawi, highlighting the importance of historical and social context in shaping schooling outcomes for fostered and orphaned children. In Malawi, which has been particularly badly affected by AIDS, orphans were less likely to be enrolled in and attending school than other children. By contrast, in Ghana, with its long tradition of 'kinship fostering', orphans were not significantly educationally disadvantaged; instead, non-orphaned, purposively-fostered children had lower school enrolment and attendance than their peers. Understanding the context of orphanhood and fostering in relation to schooling is crucial in achieving 'Education for All'.*

## CONTEXT MATTERS: FOSTERING, ORPHANHOOD AND SCHOOLING IN SUB-SAHARAN AFRICA

### INTRODUCTION

More than a decade has passed since the target of universal primary education by 2015 was globally endorsed in the Education for All and Millennium Development Goal commitments. Progress has been made, but 32 million school-aged children in Sub-Saharan Africa are still not in school, with girls and those from poor households disproportionately affected (UNESCO, 2010). With 2015 fast approaching, there has been significant recent research and policy focus on the situation of the 14.8 million children (under 18) in Sub-Saharan Africa estimated to have lost one or both parents to AIDS, who may face particular educational disadvantages (UNAIDS, 2010).

However, while the situation of orphans is of major concern, this focus has arguably obscured serious consideration of the many situations under which children move between households, and the associated impacts. In countries across Sub-Saharan Africa, a high proportion of children spend at least part of their childhoods not living with their biological parents. Based on DHS data (1997-2002) from 40 Sub-Saharan African countries, Monasch and Boerma (2004) reported that less than two-thirds of children under fifteen were living with both biological parents. 11.9% were living with neither parent, but the majority of those (8.6% of the total) had both biological parents alive, while only 0.9% had lost both their parents. This distinction is crucial. *Orphanhood* is here defined as having one or both biological parents dead; this category is sub-divided into 'double orphans' (both biological parents dead) and 'single orphans' (one parent dead; either maternal or paternal orphans). *Fostering* refers to the practice of a child (under 18 years of age, corresponding with the UN definition) living with an adult care-giver who is neither biological parent. The intersection of orphanhood and parental co-residence, which provides the analytical for this paper, produces multiple categories: Table 1.

[TABLE 1 ABOUT HERE]

The aim of this paper is to combine insights from qualitative and quantitative research to measure and begin to explain the impacts of both fostering and orphanhood on schooling for children in two contrasting African countries: Ghana and Malawi. Ghana, which has recently become a lower-middle-income country, ranks 135/177 on the UNDP's Human Development Index, while Malawi remains one of the world's poorest countries, ranking 170<sup>th</sup> (UNDP, 2013). Around three-quarters of primary-aged children in Ghana are enrolled in and attend school, but this falls to below half at secondary level. Malawi has better primary school enrolment, at around 90%, but attendance is lower and secondary school enrolment/attendance rates are particularly poor (UNICEF, 2012).

Ghana and Malawi have very different HIV/AIDS profiles. Typically of southern Africa, Malawi has been hit hard by AIDS, with an estimated adult (15-49y) HIV prevalence of 11% and 650,000 AIDS orphans: over 8% of under-18s in the country (UNICEF, 2012). By contrast, the adult HIV prevalence in Ghana is 1.8%, reflecting the lower impact of the epidemic across West Africa. An estimated 160,000 children in Ghana (1.5%) have been orphaned by AIDS (UNICEF, 2012). However, although orphanhood is a major driver of fostering in Malawi in particular, both countries have high proportions of *non-orphaned* fostered children (Monasch and Boerma, 2004): Table 2.

TABLE 2 ABOUT HERE

### **Fostering and orphanhood in Ghana and West Africa: historical and current social context**

From colonial times to the present day, demographers have consistently reported high rates of child fostering in Ghana, and across West Africa (Alber et al, 2013). Based on 1970s census and national survey data, Isiugo-Abanihe (1985) estimated that 20% of children under ten in Ghana were not living with their biological parents, with the highest rates among the Akan of central/southern Ghana. Even higher fostering levels were reported in Liberia and Sierra Leone (Ibid). Similarly, in Page's (1989) analysis of World Fertility Survey data, over 30% of children in Central/Southern Ghana, and 20-30% of children in Northern Ghana, were not living with their biological parents, with comparable figures in Côte d'Ivoire, southern Nigeria and parts of Cameroon. More recently, Monasch and Boerma (2004) reported that 15.7% of children under fifteen in Ghana were living with neither biological parent: of these, 13.2% had both parents alive, 2.1% had one living parent, while 0.4% had lost both parents. Again, this reflects a regional pattern: across West Africa, 12.0% of children under fifteen were reportedly living with neither biological parent; of these, 9.0% had both parents alive, 2.2% had one living parent and 0.8% had lost both parents (Ibid).

Since the 1970s, fostering has gained increasing prominence in the West African ethnographic literature. In Esther Goody's (1973; 1982) seminal account of the patrilineal Gonja of Northern Ghana, almost a fifth of children lived with aunts, uncles and grandparents, instead of biological parents. From a functionalist perspective, Goody proposed that fostering facilitated children's socialisation and training, and reinforced bonds between physically-dispersed kinsmen. Goody (1982) also noted a high prevalence of kinship fostering in southern Ghana, with children being 'claimed' or 'begged' by kin to provide companionship or labour. Other ground-breaking work in the region includes that of Lallemand (1988; 1993; 1994) who, following the French structuralist tradition, viewed the circulation of children (in Togo and elsewhere) as part of a system of generalised system of gift exchange, and Bledsoe and colleagues' (1988; 1989) research with the

Mende of Sierra Leone, where 'grannies' (older kinswomen) typically care for young children, who are later fostered to urban-based relatives for schooling purposes.

Most of the West African literature focuses on *purposive* fostering, relating to kinship obligations, alliance building, education/apprenticeship, and domestic labour, as distinct from 'crisis fostering', whereby family breakdown (for example through parental death, separation or migration) necessitates the child's movement (Alber et al, 2013; Iuigo-Abanihe, 1985). Far from being an unfortunate necessity, kinship fostering is often viewed in a positive light, bringing potential advantages to the child, and to both sending and receiving households. For example, fostering to facilitate education has been widely documented, in northern Benin (Alber, 2004a), Burkina Faso (Akresh, 2009), and Cameroon (Eloundou-Enyegue and Stokes, 2002; Notermans, 2004). Out-fostering as a household strategy to cope with economic shocks or demographic imbalances has also been highlighted in several studies (e.g. Akresh, 2009 in Burkina Faso; Serra, 2009; Castle, 1995 in Mali), while in-fostering can enable women, particularly in patriarchal societies, to strengthen their social positions (Etienne, 1979; Lallemand, 1993; Notermans, 2004), and to benefit from extra labour (Serra, 2009). Based on recent work in Northern Ghana, Kuyini and colleagues (2009), have emphasised 'the need to keep family ties alive' as a key factor behind 'traditional kinship foster care', echoing Goody's earlier analysis.

Although fostering is a long-standing practice across West Africa, it is by no means unchanging. Back in the 1970s/80s, researchers were noting shifts in childcare arrangements resulting from social and economic changes. Goody (1982) reported a decline in fostering in northern Ghana as better transport links enabled young people to escape social ties and obligations. Children were increasingly fostered from rural to urban locations, while aunts/uncles and non-kin began to replace grandparents as principal foster-carers. Goody also identified a shift 'from sending children in response to claims *by* kin, to making claims *on* kin to take children so they can attend better schools, have the advantages of a city life or learn new skills not available in a small town' (1982:177, emphasis added). In Ghana's Volta Region, Brydon (1979) reported a rise, during the 1950s, of rural-to-urban fostering to facilitate access to schools, while in the 1970s, parents who had migrated to cities to find work began to send their children back to be cared for by rural-based relatives. More recently, the expansion and feminisation of transnational labour migration has placed new demands on foster-carers in Ghana (Coe, 2008; 2011) and elsewhere in West Africa (e.g. Drotbohm, 2013).

A key point emerging from this literature is the diverse and contingent nature of fostering experiences in West Africa. For example, Verhoef and Morelli (2007) noted that, in Northwest

Cameroon, children's experiences are shaped more by the *circumstances* of fostering (for example, whether the child is actively desired and requested by the foster parents, the relationship between the child and foster parents, and the personalities of those involved) than the fact of being fostered *per se* (see also Notermans, 2008, in East Cameroon; Martin, 2013, in Benin; Castle, 1995, in Mali).

### **Fostering and orphanhood in Malawi and Southern Africa: historical and current social context**

In contrast to West Africa, the fostering literature on Southern Africa is dominated by the impacts of AIDS on the mortality of reproductive-aged adults, resulting in rapidly increasing numbers of orphans (UNAIDS, 2010) and diminished kin networks to cope. However, there are at least as many non-orphaned fostered children as orphans in southern Africa (Grant and Yeatman, 2012). At the time of Monasch and Boerma's (2004) work, 15.9% of children in Malawi were living with neither biological parent; of these, 10.0% had both parents alive, 4.0% had one living parent, while only 1.9% had lost both parents (Table 1). Again, this corresponds to a regional pattern: across southern Africa, 16.9% of children were living with neither biological parent; of these, the majority (11.3%) had both parents alive, 4.1% had one parent alive and just 1.5% had lost both parents (Ibid, although the numbers of orphans have substantially increased over the last decade: see below).

Historically, fostering across much of southern Africa (including Malawi) was driven by the demands of long-distance labour migration, which often entailed the disintegration of families and children being 'shuttled among kin' (Madhaven, 2004:1446). Over the last century, large numbers of men from across the region left their homes, often for extended periods, to seek work (for example, in South African gold mines) as a response rural impoverishment (Murray, 1981; Fassin, 2007). Although less well-documented, many woman also migrated, either internationally or internally to cities to find work (Dodson, 2000), leaving their children in the care of kin.

Arguably, it was this widespread out-migration of young adults and ensuing family separation that paved the way for the enormity of the Southern African AIDS epidemic (Fassin, 2007), which has become a key driver of 'crisis' fostering. UNAIDS (2010) estimates that at least 5 million children across the region, and 650,000 children in Malawi alone, have lost one or both parents to AIDS. The literature on AIDS orphans in southern Africa is vast, and cannot be reviewed fully here. Most orphans in Malawi are cared for in extended families (Beard, 2005), and Foster (2002), among others, has described the remarkable lengths to which foster parents in Southern Africa go to provide for children in their care. However, the sheer scale of the situation has prompted concerns about the ability of 'extended family safety nets' to cope indefinitely (Foster,

2000; 2002; Guest, 2003; Mathambo and Gibbs, 2009; Grant and Yeatman, 2012; Nyambedha et al, 2003; Zagheni, 2011). Caring for extra children can place a substantial extra financial and time burden on households (Heyman and Kidman, 2009), and the role of poverty in compromising the ability of AIDS-affected household to cope has been highlighted in several studies (Foster 2000; 2002; Kidman et al, 2012; Nyambedha et al, 2003). Miller et al (2007), based on work in Botswana, found that orphans lived disproportionately in the poorest households, and Kidman and colleagues (2012), working recently in Malawi, have used the term 'double jeopardy' to describe the challenges faced by orphans living in impoverished households.

In Malawi (and across Southern Africa more generally) there are widespread and pervasive public discourses around the neglect and abuse of orphans by foster parents, that are reproduced and circulated through the media and in schools (Ansell et al, 2012). There is also a growing body of literature documenting the increased psycho-social vulnerability of such children (Bauman and Germann, 2005; Nyamukupa et al, 2008), although Levine et al (2005) have noted that, in many cases, the apparent 'exploitation' of fostered orphans (being taken out of school to perform farm-work, for example) may be essential for household survival.

In summary, Malawi, like Ghana, has a long-standing tradition of fostering for non-orphaned (as well as orphaned) children. In contrast to Ghana, though, this fostering has largely resulted from parental out-migration and consequent family disruption. While not necessarily best described as 'crisis fostering' (in that it may be part of a planned household survival strategy) it is nonetheless very different to the demand-led fostering widely described across West Africa. Recently, the AIDS epidemic has compounded the need for families across southern Africa to take in foster children; however orphans still probably constitute the minority of fostered children.

### **Impacts of orphanhood and fostering on schooling**

Orphans might be expected to be educationally disadvantaged for several reasons, including: increased poverty, psychological trauma, and the need to assume adult livelihood/care-giving responsibilities (Kelly, 2005; Kidman et al, 2012; Guest, 2003; Grant, 2008). However, the evidence is far from conclusive. Several single-country studies in east and southern Africa have shown poorer schooling outcomes (indicated variously by enrolment, attendance and progress) for maternal and double orphans; an effect that is independent of socio-economic status (e.g. Ardlington and Leibrandt, 2010; Kidman et al, 2012; Operario et al, 2008; Evans and Miguel, 2007; Case and Ardlington, 2006; Ainsworth, Beegle and Koda, 2005). Moreover, in a recent paper based

on longitudinal research in Tanzania, Beegle et al (2010) found evidence that the educational disadvantage experienced by maternal orphans persists into adulthood.

The effects of paternal orphanhood are rather less clear and may be largely a function of decreased household economic status (Ardlington and Leibbrandt, 2010; Kidman et al, 2012; Case and Ardlington, 2006), although some South African studies have found paternal orphanhood to be strongly and independently associated with poor school progress (Timaeus and Boler, 2007; Parikh et al, 2007). Other studies have found little or no significant educational disadvantage for orphans when controlling for other socio-economic factors (e.g. Yamano and Jayne, 2007; Masmus et al, 2004; Kurzinger et al, 2008; Sharma, 2006; Chuong and Operario, 2012).

Similarly varied outcomes have emerged from multiple-country studies. Based on analysis of 17 African DHS datasets (1995-2000), Bicego et al. (2003) found that, in both East and West Africa, orphans were disproportionately likely to be behind in school, with the effects most marked for double orphans and maternal orphans; however, their regional-level level analysis did not investigate differences between countries. A small educational disadvantage associated with orphanhood was identified by Lloyd and Blanc (1996) in their analysis of seven African DHS datasets: children with living parents had slightly higher enrolment rates than those without, but the differences were generally small or statistically insignificant. Likewise, Case et al (2004) analysed 19 African DHS datasets from the 1990s and found various associations between maternal, paternal and double orphanhood and school enrolment, but no consistent pattern. Ainsworth and Filmer's (2006) analysis of 35 nationally-representative African datasets also indicated substantial between-country variation; they concluded that the orphan enrolment gap was small, often statistically insignificant, and was dwarfed by income gaps.

Rather less research has investigated schooling outcomes for non-orphaned fostered children, but the findings are similarly equivocal. While purposive fostering in West Africa is often represented as a means of increasing educational opportunities, the outcomes are less clear. Gage (2005) found that secondary school-aged fostered girls in Ghana were less likely to attend school full-time than non-fostered girls, a relationship mediated through increased workforce participation. Alber's (2004b) qualitative work in Benin revealed that the perceived preferential schooling of biological over foster children has increased parents' reluctance to relinquish their children to foster parents. In South Africa, Timaeus and Boler (2007) found that non-paternal co-residence (independently of paternal orphanhood) was associated with slower academic progress and a similar effect was found, also in South Africa, of non-maternal co-residence by Chuong and Operario (2012). The conclusion of Huisman and Smits' (2009) 30-country study using DHS data was a generally



negative educational impact of non-parental co-residence, although they did not distinguish between orphans and non-orphans.

Others have suggested positive schooling impacts of purposive fostering. Zimmerman (2003), working with a large South African dataset, found no differences in enrolment between fostered and non-fostered children. Moreover, because children were fostered purposively from poorer to wealthier households (better able to afford schooling), Zimmerman estimated that the net impact of fostering was a 22% *reduction* in school non-attendance. And, from an historical perspective, Alber (2010) has argued that the spread of schooling in North Dahomey [now Benin] was greatly facilitated by rural-to-urban child fostering.

Several studies have indicated a protective effect of living with grandparents. Based on Lesotho DHS data, Parker and Short (2009) found that living with a grandmother reduced the risk of school drop-out for maternal orphans and other children with non-co-resident mothers. Living with a grandmother may also protect orphaned children from repeated inter-household mobility (Madhaven et al, 2012), itself a risk factor for school drop-out. In ethnographic research, grandparents have been widely observed to be more empathetic, emotionally-supportive, and more willing to make personal sacrifices to provide materially for children than other foster carers, despite often being poorer (e.g. Goody, 1973; Nyasani et al, 2009; Alber, 2004a; Okele et al., 2006).

To summarise, while both orphanhood and the fostering of non-orphaned children have the potential to impact negatively on education, there is substantial variation in measured outcomes. Large-scale, survey-based studies show broad patterns and variation, but they are ill-placed to *explain* this variation. While they hint at the need to understand the social context, they cannot provide this. By contrast, ethnographic studies provide detailed information on the complex and context-specific nature of fostering, but are unable to capture the wider educational (and other) implications of these complexities. To our knowledge, the study reported here is the first to combine ethnographic and survey approaches to fostering *in the same populations*, and thus to combine objectively-measured outcomes with an exploration of meanings and processes. Crucially, (in contrast to most earlier work, based on adults' accounts) both the survey and qualitative data presented here come principally from *children themselves* (Alber, 2013; Coe, 2008; Notermans, 2008). This study is thus situated within the growing body of work that positions children as competent and reflective social actors, capable of engaging actively in the research process and knowledge generation (e.g. James, 2007; Porter et al, 2012).

In what follows, survey data from Ghana and Malawi are used to test the hypotheses that orphanhood and fostering are independently associated with educational disadvantage, as indicated by enrolment, attendance and progress. A further hypothesis is tested: that living with grandparents (as opposed to other foster carers) has a protective effect on orphaned and fostered children. Qualitative data, in the shape of children's accounts of their experiences, are then used to help interpret the survey findings and to explore how the particular socio-historical contexts in each country shape schooling experiences for fostered and orphaned children.

## **STUDY CONTEXT AND METHODS**

Material is presented here from the Child Mobility Study ([www.dur.ac.uk/child.mobility](http://www.dur.ac.uk/child.mobility)), conducted with children and adolescents (aged 8-18 years) in Ghana, Malawi and South Africa (the South African data are not reported here). In each country, eight study settlements (all relatively low-income) were selected: one urban, one peri-urban, one rural with basic services (primary school and/or health post) and one remote rural with no services, in each of two contrasting agro-ecological regions.

In Ghana, sites were selected in Central Region (southern coastal savannah) and Brong Ahafo Region (central forest belt). All the Ghanaian field-sites were ethnically mixed, with Akan majorities (Fantes in the south; Bonos in the central belt) but substantial numbers of migrants from other ethnic groups. Fieldwork in Malawi was conducted in the Shire Highlands of the Southern Region (Blantyre Districts) and the Central Plains (Lilongwe Districts). Chewa peoples predominated in the Lilongwe sites, while the Blantyre sites were more ethnically diverse, principally Mang'anja, Chewa and Ngoni. Agriculture (mainly subsistence) was the major economic activity in the rural and peri-urban sites in both countries, along with petty trading. In the urban settlements, people engaged in various, mostly informal-sector, activities. Christianity was the major religion in all study sites, with significant minorities practising Islam or traditional religions.

Fieldwork was undertaken between 2006 and 2009. Ethical clearance was granted by participating universities, and parents'/guardians' consent was sought for all interviews with under-18s (in addition to consent from the interviewee). Qualitative research was undertaken in all sixteen field-sites, using semi-structured interviews, life history interviews, accompanied walks and group interviews; altogether approximately 500 interviews with children/adolescents (aged 8-18y), parents/carers and key informants were completed across the eight sites in each country, including around 40-50 with young people who were orphaned and/or fostered. Additionally, 37 'young researchers' (aged 9-22y) received training and supervision to conduct complementary 'peer

research' in their own communities (Porter et al, 2009; Robson et al, 2010; Hampshire et al, 2012). Purposive sampling was used to ensure a broadly representative range of gender, age, schooling status, living arrangements, etc. among interviewees. Four different thematic interview guides were used focusing respectively on education, health, livelihoods and transport; this paper draws principally on the education-themed interviews. Fostering and orphanhood were not planned as interview topics, but often emerged spontaneously from children's and adults' accounts. Detailed hand-written notes were taken during interviews and typed up. Analysis was thematic and primarily inductive, based on the principles of grounded theory, in which theoretical insights emerge from the data rather than vice versa (Glaser and Strauss, 1967). The authors engaged in close reading of the interview notes, noting emerging themes, patterns and variation, and coded the data accordingly.

Subsequently, a questionnaire survey was conducted with 944 children/adolescents aged 8-17 years in Ghana and 906 in Malawi. (18-year-olds were also included in the survey, but those data are excluded from this paper because 18 is the legal age of majority in both countries.) Approximately equal numbers of respondents were surveyed in each field-site, by taking households along randomly-selected transects and picking one child per household by lot. The survey was designed to test hypotheses emerging from the qualitative work, including those relating to the impacts of fostering and orphanhood on schooling (enrolment, attendance and progress). Descriptive statistics and multivariate analyses were performed using SPSS version 17.

## **RESULTS**

### **Patterns of fostering and orphanhood: survey data**

A high proportion of children in Ghana and Malawi were not living with their biological parents at the time of survey: Table 3. In both countries, fewer than three-fifths of children were living with both parents, while around a fifth lived with their mother only, just under fifth with neither parent and smaller numbers lived with their father only. Only one child altogether (in Ghana) was not living with any adult carer; the other children living with neither biological parent are thus (as defined in this paper) "fostered children". In Ghana, nearly two-thirds of fostered children (117/182) had both parents alive, compared with just over half (87/159) in Malawi. Conversely, just 10% of fostered children in Ghana had lost both their parents ('double orphans'), compared with 25% in Malawi, probably reflecting the greater impact of AIDS. In both countries, grandparents were the most common foster carers, followed by siblings, aunts, uncles and siblings: Table 4. Only one orphaned child (in Ghana) had no adult carer.

[TABLES 3 AND 4 ABOUT HERE]

## Impacts of fostering and orphanhood on schooling in Ghana and Malawi: survey data

Table 5 presents descriptive statistics for school enrolment, attendance and progress by gender in each country. Around 90% of respondents aged 8-17y in Ghana were enrolled in school, and around 80% in Malawi, but numbers attending regularly were lower (particularly in Malawi) and around 75% of children overall (over 80% of boys in Malawi) were two or more years behind the appropriate school grade for their age.

TABLE 5 ABOUT HERE

Multivariate logistic regressions were performed to test the hypotheses that orphanhood and fostering are independently associated with: (a) lower enrolment; (b) lower attendance; and (c) poor progress, controlling for sex, age group, household wealth category, rural/urban residence and region: Table 6. It is clear from this analysis that fostering and orphanhood *are* both associated with school enrolment and attendance, but in very different ways in the two countries. In Ghana, it is only children who are *fostered but not orphaned* (both parents are alive) that have significantly lower enrolment and attendance than the reference group (both parents alive, lives with both); the direction of the effect (non-significant) is similar for fostered single orphans (maternal and paternal). By contrast, in Malawi, it is only *fostered double orphans* that have lower rates of enrolment and attendance. Interestingly, in neither country does school progress appear to be affected by either orphanhood or fostering status.

TABLE 6 ABOUT HERE

Further analysis was performed to test the hypothesis relating to the protective effect of grandparent carers. To avoid very small numbers in some cells, categories of orphanhood and fostering are combined into: (1) reference group: both parents alive, living with both parents; (2) one or both parents alive, living with one parent only (combining groups that appeared not to be educationally disadvantaged in either country); (3) at least one parent alive and fostered (associated with lower enrolment and attendance in Ghana); and (4) fostered double orphans (associated with lower enrolment and attendance in Malawi). Groups (3) and (4) are then sub-divided into those living with grandparents and those fostered by other relatives or non-kin: Table 7. Only in Ghana does it appear to make a difference whether or not the foster carer is a grandparent. Among fostered children with living parent(s), those with a grandparent carer do not have significantly lower enrolment than the reference group, whereas those fostered by someone else (another relative or non-relative) *do* have significantly lower enrolment. And although both groups of fostered children with living parent(s) have lower attendance rates than the reference group, the gap is

significantly bigger for children fostered to someone other than a grandparent (although, intriguingly, children fostered by a grandparent were *more* likely to be behind the appropriate grade for their age). In Malawi, it does not appear to make a difference whether or not the foster carer is a grandparent, although the small numbers of double orphans fostered by a grandparent (N=17) makes this result somewhat inconclusive.

#### TABLE 7 ABOUT HERE

In summary, in Malawi, (fostered) double orphanhood is associated with reduced school enrolment and attendance. By contrast, in Ghana, it is children whose parents are both alive, but who are fostered – indicative of purposive fostering – that have lower enrolment and attendance rates than their peers. In Ghana, living with a grandparent may be partially protective in terms of enrolment and attendance, but not progress; in Malawi, living with a grandparent (as opposed to another foster carer) appears to make no difference to schooling. This variability of outcomes is not unexpected, given the lack of consensus in the literature. However, unlike most other studies, the qualitative data, presented below, can help shed light on the reasons for these differential outcomes.

#### **Fostering, orphanhood and schooling in Ghana: qualitative data**

Purposive fostering, a prominent feature in the West African literature, was a common theme in interviews with children in Ghana. The impetus was almost always ‘requests’ from aunts, uncles or others, which can be difficult to refuse, as this boy’s account illustrates:

“At the age of 11 years, I was sent to live with my auntie. [...] She came to visit us [...] When the time came for her to leave, my parents said I should go and live with her because my auntie was telling them she has missed us so much and wanted to spend time with me. [...] The way they asked me the question, I could not say I do not want to go and live with her. They asked me in front of her and some of my younger siblings, so I had to agree because it would not have been respectful to say I would not go. [...] She was living alone so I used to help her with the household chores like sweeping, washing bowls and going to fetch water. I also sometimes used to run errands for her.” [14y boy]

Children were reportedly requested by kin explicitly to provide domestic or other labour: typically household chores for girls and often agricultural labour for boys:

“When I was 5 years old I went to live with my grandmother for 6 months. I went to live with her because [...] she needed help around the house. The main work I was doing was sweeping, fetching water and washing bowls.” [13y girl]

“I came here six years ago to join my uncle [mother’s brother] and help him on the farm. Uncle doesn’t have any children. [...] I also cook for everyone.’ [16y boy]

In other cases, children were ‘requested’, principally by urban-based relatives, ostensibly at least to facilitate schooling or vocational training. Non-relatives (teachers, pastors, or other family acquaintances) were also reported to demand children, again usually for ‘educational’ purposes, although in practice it was widely recognised that the child might be expected to provide domestic or other labour. As one interviewee put it,

“The fact is the need for a foster child or servant is an indication that there is work in the household that has to be done. In most cases it is the services of a house-help that motivates parents to go in for them.” [17y girl, living with grandmother]

Most (although not all) purposively fostered children interviewed in Ghana believed that the experience had been detrimental to their schooling. Some said they had had to drop out of school through lack of financial and other material support, while others felt that their academic performance was being compromised in other ways. Crucially, many such children compared their situations unfavourably with biological children living in the same household, as this boy explains:

“I stay with my uncle to come to school. ... My uncle has a [biological] child who attends a preparatory school while I attend public school. I don’t know why we are not attending the same school. All that I know is that it is my uncle who decided where both of us should attend school. But sometimes I think because the fees at the preparatory are high they prefer sending their child.” [14y boy, parents alive]

Several children made a link between high workloads and negative impacts on schooling (echoing Gage’s (2005) findings). As the second excerpt below illustrates, this can happen even when education is (supposedly) the motivation for fostering:

“[My aunt] prepares doughnuts and I am the one who goes to sell them for her every morning. ... Because of selling doughnuts before I go to school it makes me always very tired by the time I get to school. I sometimes even doze off during the lessons ... and I am always punished for coming to school late.” [13y girl, fostered by aunt, parents alive]

“I went to live with a teacher. [...] She asked [my mother] that she should allow me to come and live with her and she would send me to school [...] It was a little difficult because she had a provision

store, so immediately after school I had to go to the store to and open it for business. I usually closed school at 2pm, go to the store to sell till 4pm then go the house to cook supper which will be ready by 7pm. After cooking I go to wash the dishes then go to remove all the dirty clothes in the house and wash. By 10pm I would be finished with the washing... [then] I had to make ice cream and ice water ready for the next day's sale. After doing all these I would be tired so I did not get time to study."  
[18y woman]

Other fostered children reported more extreme and physical forms of abuse at the hands of foster carers. Grace's account (below) is harrowing, but not unusual:

"There was a woman trader who used to come here to buy cassava flour [...]. She was not married and had no children. She became friends with my mother and asked her for a child to foster. My mother agreed to let me go. So I went to live with this woman. I was 9 years old. But the woman took delight in maltreating me: she would beat me and starve me, and she didn't let me go to school, so I missed one year of school." [14y girl]

When asked Grace why her mother had agreed to this arrangement, Grace's response was typical: *'She and my mother were friends, so it was because of the friendship that my mother consented for me to go there. I had no choice but to obey my mother.'* She went on to explain that she *'didn't have the courage'* to tell her mother what was happening, for fear of further punishment. It was only when her uncle paid a surprise visit and found her severely beaten, that her family became aware of the maltreatment and retrieved her.

Although purposive fostering dominated interview accounts in Ghana, some children reported moving because of 'push factors', principally parental death, labour migration, or divorce/separation. Grandmothers were widely reported to be the default carers of orphaned or otherwise abandoned children and, although such households may be particularly income-poor (see Ansell and Young, 2004), there was a strong sense among interviewees that grandparents are emotionally supportive and do the best they can for the children in their care. Frank's case provides a good illustration: although he had a demanding workload that interfered with his school attendance, Frank appreciated his grandmother's efforts on his behalf, particularly the fact that she allows him to use the proceeds from farming to meet schooling expenses:

"My mother and father are dead, and I am staying with my grandmother, so I often come late to school. I have to do everything in the house. I wash the bowls, cook, fetch water, sweep. So that's why I come late to school. Before school, I fetch water, sweep and cook *banku* [thick maize-meal porridge] for my grandmother. [...] Also, because we are poor, we often owe money to the school. [...] I do all the work on my grandmother's farm – she is too old to work on the farm, so it is me alone. I take cocoyam leaves and plantain leaves to sell in the market, to pay for school." [Frank, 14y boy]

Although it is useful to distinguish between purposive and ‘crisis’ fostering, in practice, motives for fostering may be multiple and overlapping. When ‘push’ factors require a child to be fostered, there may be several potential recipients, with different kinship claims and motivations for taking a foster child, as Robert reports:

“I went to live with [aunt] when my parents separated. My father was not taking care of us, so my aunty had a store and she told me to come and look after it and she was giving me money at the end of the month so that I can go and give some to my mother and other siblings since my father stopped taking care of all of us.” [18y man]

Conversely, while purposive fostering is usually portrayed as being demand-driven, temporary out-fostering can also help alleviate subsistence costs for the sending household, and may be an important livelihood strategy for resource-constrained families. It is this complex interplay that can both shape children’s experiences of fostering in Ghana and sometimes obscure its potentially detrimental impacts.

### **Fostering, orphanhood and schooling in Malawi: qualitative data**

As might be expected in a country so badly affected by AIDS (see above), the situation of orphaned children was a very prominent theme of interviews conducted in Malawi. Indeed, uncertainty about the future led some parents to deliberately raise their children as desirable prospective foster children, as this focus-group exchange between mothers illustrates:

‘When your children are trained to these [domestic] tasks it becomes easier for them to fend for themselves in the event of your death...’

‘If children are not capable of undertaking household chores, if you should die, nobody is keen to foster them’

‘...There is no one who will be happy to foster a child that is lazy.’

The poor and often discriminatory treatment of orphans was a recurring theme in interviews. These two boys, both double orphans living with their uncles, were typical in comparing their situations unfavourably with their carers’ biological children:

“My friends opened the term last month, but I am failing to go because I do not have school fees and my uncle told me to just wait a bit. [...] Honestly speaking, the treatment that a fostered child receives is different from biological children. [...] In most instances I have to raise my own money for transport, because my guardian only gives me money for soap and other provisions.” [18y boy]

“My uncle is very cruel to me. [...] He did not want me in his house. [His own children] attend school regularly. They have their real father who provides for them so they lack nothing.” [13y boy]



Orphans in Malawi were particularly likely to complain of excessive workloads and many clearly felt uncared for:

“She [aunt] gives [her own children] lighter tasks like cleaning plates, sweeping in the house, while as for me, I am told to go and fetch water and firewood. I also do the washing; I am the one doing the cooking. [...] My cousin helps me too, but it is rare.” [10y girl, double orphan]

Very prominent in the Malawi interviews was a widespread public discourse of orphan discrimination and maltreatment. Thus (unlike in Ghana) many children with no direct personal experience discussed the phenomenon of ‘orphan neglect’, as this extract, from a girl living with her biological parents, illustrate:

“Orphans work a lot [...] Some get abused by their foster parents. They are made to work too much and don’t even go to school. They are made to cultivate a large piece of land which my mother would not let me do.” [14y girl]

Many adults, like this school-teacher, draw on a similarly universalising discourse of orphan abuse:

“The fostered children are often late to school. [...] They are told to work at the houses where they are staying. Thus, an orphan could be told to clean a lot of plates while the own child is let to go to school or play.”

Children in Malawi were fostered for reasons other than orphanhood; other common ‘push factors’ included parental divorce/separation and re-marriage and, especially, labour migration, although these were far less widely discussed. Purposive fostering also featured in the accounts of Malawian children, but this was again much less prominent than in Ghana. Moreover, in contrast with Ghana, purposive fostering was rarely *demand-led*; more often, children were sent by their parents to live with relatives closer to school. This was important especially for secondary school, when children are ‘selected’ to a particular school, based on exam grades, which may be far from home. Other parents had different reasons for schooling their children elsewhere, like 16-year-old Jackson, whose father sent him to his sister in town because, “*I was too playful in [village]. I was moving in bad company and some of my friends were smoking chamba [hemp].*” Unlike the situation in Ghana (and in contrast to the accounts of orphaned children) most purposively fostered children interviewed in Malawi believed the impacts on their schooling to be largely positive. Although lack of emotional support was sometimes reported by such children, there was generally a recognition that lodging with relatives afforded them opportunities to pursue their schooling that would not have been possible had they stayed in the parental home.

## DISCUSSION

The findings presented here underline the variable and context-specific nature of child fostering and orphanhood and associated impacts on schooling. In Malawi, double orphans appear to suffer significant educational disadvantage (in terms of school enrolment and attendance, although not necessarily progress) compared with other children in their settlements, while fostered children with at least one living parent experience no discernible disadvantage. By contrast, in Ghana, it is *non-orphaned* fostered children that experience disproportionately low rates of school enrolment and attendance. Moreover, in Ghana (but not in Malawi), being fostered by a grandparent appears to offer partial protection against some (but not all) detrimental impacts on schooling.

This variation in outcomes mirrors the findings of other, much larger-scale, studies (Ainsworth and Filmer, 2006; Lloyd and Blanc, 1996; Case et al., 2004). However, unlike those studies, which rely entirely on survey data, the qualitative work in this study can begin to shed light on *why* the situations in Ghana and Malawi are so different.

### ***Context matters: understanding the variation in outcomes between Ghana and Malawi***

At first glance, it seems ironic that in Ghana, with its long tradition of purposive kinship fostering, such children should experience significant educational disadvantage. Ostensibly, kinship fostering is supposed to benefit the child, by extending opportunities for both formal and informal education, alongside other potential advantages to sending and/or receiving households. In much of the West African literature, purposive fostering is presented as a win-win situation. In reality, this study shows that, while some fostered children do indeed benefit educationally (and in other ways), many others feel over-burdened with domestic tasks, and their schooling suffers. In many cases, requests to foster children (which can be difficult to refuse) are made in order to meet a labour shortage in the receiving household, even when education is the supposed purpose. The conflation of the terms 'foster child' and 'servant' in one of the interview excerpts from Ghana (above) is particularly telling in this respect, and echoes Alber's (2013:87) assertion that there is 'no clear distinction' between children who are 'brought to help in urban households and at the same time be sent to school' and 'the employing of domestic labour.'

The situation may be rather different for Ghanaian children who are fostered because of a 'crisis' and are taken in, often at short notice, by a willing relative. While the distinction between 'purposive' and 'crisis' fostering may be over-simplistic, at least *not* joining a household expressly to

meet a labour deficit is a good start. As noted above, grandmothers are reported to be common carers of orphaned or otherwise parent-less children and although (as Frank's case illustrates) they may be lacking both resources and labour (see also Ansell and Young, 2004), there is a common sense that grandparents do their best, and provide important emotional and psychological support for fostered children (see also Goody, 1973, Alber, 2004a, Okele et al, 2006).

In Malawi, the context of fostering is very different. Fostering has traditionally been driven by 'push' factors (particularly parental labour migration) and, today, orphanhood dominates the discussion. The AIDS epidemic has led to large numbers of orphaned children in need of care, in addition to children of separated families. While, as Foster (2000; 2002) and others have observed, extended family support networks have been largely able to accommodate the growing number of orphans, this can come at a price (Bauman and Germann, 2005; Nyamukupa et al, 2008): double orphans may experience substantial educational disadvantage in terms of school enrolment and regular attendance (see also Kidman et al, 2012).

On the other hand, *purposive* fostering in Malawi is predominantly initiated by the sending family (rather than the receiving family, as in Ghana). As such, it can be a successful strategy to enable schooling and enhance human capital (Ansell and Van Blerk, 2004; Zimmerman, 2003; Serra, 2009). Unlike orphans, non-orphaned fostered children in Malawi do not appear to experience any educational disadvantage. Unfortunately the survey data do not permit a comparison of educational status before and after fostering, but purposive fostering to relatives better-placed to provide good quality education may even enhance schooling opportunities for some children.

It is interesting to note that, while orphanhood (in Malawi) and purposive fostering (in Ghana) are associated detrimentally with school enrolment and attendance, there is no apparent effect on progress. It is not clear why this should be the case, but one possibility is a selection effect: those children who manage to stay in school and attend regularly may have considerable support, which differentiates them from the many others whose schooling is curtailed. They might, for example, have a particularly good relationship with their foster-carers; in the Malawian case, these might be orphans that were left in a better financial position by their biological parents, or perhaps have benefited from programmes aimed at orphans and vulnerable children while others have not (see Beard, 2005). Unfortunately, data limitations preclude going beyond speculation here, but this would be worth pursuing in further research.

One further point merits attention: that fostering and orphanhood are not the only, or indeed the most important, predictors of schooling outcomes. In both Ghana and Malawi, many

children living with their biological parents also complained of having to drop out of school, or that heavy workloads were compromising their ability to learn effectively. In the statistical analysis, while orphanhood and fostering were (in different combinations) significant predictors of school enrolment and attendance, other independent variables had a far bigger effect. In both countries, rural children were very substantially disadvantaged in their schooling compared with urban-based children, regardless of domestic situation. And in Malawi at least, even within settlements that were uniformly impoverished, children from the poorest households had lower school enrolment and attendance than those that were slightly better off, while the direction of this effect was similar, although not statistically significant, in Ghana. In other words, poor, rural children continue to suffer the brunt of educational disadvantage in both countries, with important implications for future livelihoods and the intergenerational transmission of disadvantage. In Ghana (although not in Malawi), girls were less likely to be enrolled in and attending school than boys, which is also a cause for concern, as is the very marked drop in schooling rates among those aged 15+, reflecting low participation in secondary education in both countries, and the high proportions of children who are two or more years 'behind' in the schooling.

## **CONCLUSIONS AND POLICY IMPLICATIONS**

This study underlines the importance of integrating qualitative and quantitative research to understand the educational implications of fostering and orphanhood. Only by appreciating both the individual circumstances and the wider social and historical context is it possible to make sense of the variation in outcomes. This is crucial for appropriate targeting of interventions to enhance educational opportunities for vulnerable children.

Thus, in Malawi, our conclusions echo those of Kidman and colleagues (2012). Double orphans appear to experience greater barriers to school enrolment and attendance than other children in AIDS-affected communities, and orphan-specific programming should be considered (although of course this must be done sensitively to avoid increasing stigmatisation; see Levine et al, 2005; Foster, 2006). However, many children who are not orphans also face enormous barriers to schooling. Moreover, it seems that double orphans who *do* manage to stay in school and attend regularly are able to progress relatively well. Any focus on orphans should therefore not detract from addressing the wider structural inequalities that underpin the disadvantages faced by all children living in poor or vulnerable households, particularly in rural areas. The Social Cash Transfer Programme (SCTP), initiated in Malawi, includes a small cash bonus for each child attending school; this is an important step in the right direction, although its reach remains limited (Robson, 2012). As Ansell and Young (2004) have noted, reducing the economic costs of caring for orphans might enable

children to stay with relatives (such as grandmothers) best placed to meet children's non-material needs, and might diminish the need for repeated migration.

In Ghana, the policy implications are rather different. Ghana has far fewer AIDS orphans and orphans do not appear to experience additional educational disadvantage compared with other children in their communities. As in Malawi, children from poor, rural households face enormous barriers to schooling, whatever their family situation. However, purposively fostered children in Ghana may face substantial barriers to schooling. This disadvantage may be concealed and overlooked because of the current policy/research focus on orphans; it may also be masked by the assumption that purposive fostering is for the child's own benefit. Although the evidence from this study is limited (see below), this needs urgent further investigation.

This study has some methodological limitations. First, its cross-sectional design makes it impossible to compare children's current situations with those in their previous households. If children are being purposively fostered from poorer/rural households to wealthier/urban ones, then it may be that, even if their schooling compares unfavourably with other children in their current settlements, it represents an improvement on their situation before (see Zimmerman, 2003). Secondly, the survey sampling strategy entailed randomly selecting *one child* per household, which makes it impossible to compare the situations of fostered and biological children in the same household. Finally, the dataset does not include variables on household size and structure (such as the presence or absence of biological children) that might be important to control for.

Those limitations notwithstanding, the message emerging from this paper is clear. To move beyond the rhetoric of 'Education for All' to reality, it is crucial both to delineate the statistical relationships between fostering, orphanhood and schooling outcomes, and to understand how those relationships are shaped by individual circumstances and specific social and historical processes. This study represents a modest step in that direction; we hope others will go further.

## **ACKNOWLEDGEMENTS**

The study was funded by UK ESRC/DFID (RES-167-25-0028). We wish to thank all the study participants, the young researcher team, and the adult research assistants (Ghana: Samuel Agblorti, Broda Esia Donko, Regina Obli-Odei, Mercy Otsin, Samuel Owusu, Ekaw Afful Wellington; and Malawi: Linny Kachama, Matthews Nkosi, Bernie Zakeyo, Bryan Mkandawire, Faith Hackim, Meya Mkandawire, Lucia Desire, Maurice Zulu, Kisinger Chima, Joseph Chiwaula).

## REFERENCES

- Ainsworth, M., K. Beegle and G. Koda** (2005). The impact of adult mortality and parental deaths on primary schooling in North-West Tanzania. *Journal of Development Studies*, **41**(3):412-439.
- Ainsworth, M. and D. Filmer** (2006). Inequalities in children's schooling: AIDS, orphanhood, poverty and gender. *World Development*, **34**(6):1099-1128.
- Akresh, R.** (2009). Flexibility of household structure: child fostering decisions in Burkina Faso. *Journal of Human Resources*, **44**(4):976-997.
- Alber, E.** (2004a). 'The real parents are the foster parents: Social parenthood among the Baatombu in Northern Benin. In F. Bowie (ed), *Cross-cultural approaches to adoption*. London: Routledge, pp:33-47.
- Alber, E.** (2004b). Grandparents as foster-parents: transformations in foster relations between grandparents and grandchildren in northern Benin. *Africa* **74**(1):28-46.
- Alber, E.** (2010). No schooling without foster families in Northern Benin: A Socio-historical Approach. In T. Thelen and H. Haukanes (eds), *Parenting after the Century of the Child*, Burlington: Ashgate, pp:57-78.
- Alber, E.** (2013). The transfer of belonging: theories on child fostering in West Africa Reviewed. In Alber, E., J. Martin and C. Noterman's (eds), *Child Fostering in West Africa*. Leiden, Boston: Brill, pp:79-107.
- Alber, E., J. Martin and C. Noterman's (eds).** (2013). Introduction. In Alber, E., J. Martin and C. Noterman's (eds), *Child Fostering in West Africa*. Leiden, Boston: Brill, pp:1-11.
- Ansell, N. and L. Young** (2004). Enabling households to support successful migration of AIDS orphans in southern Africa. *AIDS Care*, **16**(1):3-10.
- Ansell, N. and L. Van Blerk,** (2004). Children's migration as a household/family strategy: coping with AIDS in Lesotho and Malawi. *J. Southern African Studies* **30**(3):673-690.
- Ansell, N., E. Robson, F. Hadju, L. van Blerk,** (2012). Learning from young people about their lives: using participatory methods to research the impacts of AIDS in southern Africa. *Children's Geographies*, **10**(2):169-86.

- Ardlington, C. and M. Leibrandt** (2010). Orphanhood and Schooling in South Africa: trends in the vulnerability of orphans between 1993 and 2005. *Economic Development and Cultural Change*, **58**(3):507-36.
- Bauman, L. and S. Germann** (2005). Psychosocial impact of the HIV/AIDS epidemic on children and youth. In Foster, G., C. Levine and J.G. Williamson (eds) *A Generation at risk: the global impact of HIV/AIDS on orphans and vulnerable children*. Cambridge: CUP, pp:93-133.
- Beard, B.** (2005). Orphan care in Malawi: current practices. *Journal of Community Health Nursing*, **22**(2):105-15.
- Beegle, K., J. de Weerd and S. Dercon** (2010). Orphanhood and human capital destruction: is there persistence into adulthood? *Demography*, **47**(1):163-180.
- Bicego, G., S. Rutstein and K. Johnson**, (2003). Dimensions of the emerging orphan crisis in sub-Saharan Africa. *Social Science and Medicine*, **56**:1235-47.
- Bledsoe, C., D. Ewbank and U.C. Isiugo-Abanihe**, (1988). The effect of child fostering on feeding practices and access to health services in rural Sierra Leone. *Social Science and Medicine*, **27**(6):627-636.
- Bledsoe, C. and U. and Isiugo-Abanihe**, (1989). Strategies of child fosterage among rural Mende grannies. In R. Lesthaeghe (ed) *Reproduction and Social Organisation in Sub-Saharan Africa*. Berkley: University of California Press, pp:442-474.
- Brydon, B.** (1979). Women at work: some changes in family structure in Amedzofe-Avatime, Ghana. *Africa*, **49**(2):97-111
- Case, A., C. Paxson and J. Ableidinger**, (2004). Orphans in Africa: parental death, poverty and school enrolment. *Demography*, **41**(1):483-508.
- Case, A. and C. Ardlington**, (2006). The impact of parental death on school outcomes: longitudinal evidence from Africa. *Demography* **43**(3):401-420.
- Castle, S.E.** (1995). Child fostering and children's nutritional outcomes in rural Mali: the role of female status in directing child transfers. *Social Science and Medicine* **40**(5):679-693.
- Chuong, C. and D. Operario** (2012). Challenging household dynamics: impact of orphanhood, parental absence, and children's living arrangements on education in South Africa. *Global Public Health*, **7**(1):42-57.

- Coe, C.** (2008). The structuring of feeling in Ghanaian transnational families. *City and Society*, 29(2):222-250.
- Coe, C.** (2011). What is the impact of transnational migration on family life? *American Ethnologist*, 38(1):148-163.
- Dodson, B.** (2000), Porous Borders: Gender and Migration in Southern Africa. *South African Geographical Journal* 82(1):40–46.
- Drotbohm, H.** (2013). The promises of shared motherhood and the perils of detachment: a comparison of local and transnational child fostering in Cape Verde. . In Alber, E., J. Martin and C. Noterman's (eds), (*Child Fostering in West Africa*. Leiden, Boston: Brill, pp:177-199.
- Eloundou-Enyegue, P.M. and C.S. Stokes,** (2002). Will economic crises in Africa weaken rural-urban ties? Insights from child fosterage trends in Cameroon. *Rural Sociology*, 67(2):278-298.
- Etienne, M.** (1979). The case for social maternity. *Dialectical Anthropology*, 43:237-42.
- Evans, D.K. and E. Miguel** (2007). Orphans and Schooling in Africa: a longitudinal analysis. *Demography*, 44(1):35-57.
- Fassin, D.** (2007). *When Bodies Remember: Experience and Politics of AIDS in South Africa*. University of California Press.
- Foster, G.** (2000). The capacity of the extended family safety net for orphans in Africa. *Psychology, Health and Medicine*, 5(1):55-62.
- Foster, G.** (2002). Supporting community efforts to assist orphans in Africa. *New England J. Medicine*, 346(24):1907-10.
- Foster, G.** (2006) Children who live in communities affected by AIDS. *Lancet*, 367:700-01.
- Gage, A.** (2005). The interrelationship between fosterage, schooling and children's labor force participation in Ghana. *Population Research and Policy Review*, 24(5):431-66.
- Glaser, B. G., & Strauss, A. L.** (1967). *The discovery of grounded theory: Strategies for qualitative research*. New York: Aldine.
- Goody, E.** (1973). Contexts of kinship: an essay in the family sociology of the Gonja of northern Ghana. *Cambridge: Cambridge University Press*.



- Goody, E.** (1982). *Parenthood and Social Reproduction: Fostering and occupational roles in West Africa.* Cambridge: Cambridge University Press.
- Grant, M.** (2008). Children's school participation and HIV/AIDS in rural Malawi: the role of parental knowledge and perceptions. *Demographic Research*, **19**:1603-34.
- Grant, M.J. and S. Yeatman** (2012). The relationship between orphanhood and child fostering in sub-Saharan Africa, 1990s-2000s. *Population Studies*, **66**(3):279-295.
- Guest, E.** (2003). *Children of AIDS: Africa's Orphan Crisis.* London: Pluto Press.
- Heyman, J. and R. Kidman** (2009). HIV/AIDS, declining family resources and the community safety net. *AIDS Care*, **21**(1):34-42.
- Huisman, J. and J. Smits,** (2009). Effects of household- and district-level factors on primary school enrolment in 30 developing countries. *World Development* **37**(1):179-193.
- Imoh, A.T.D.** (2012). From central to marginal? Changing perceptions of kinship fosterage in Ghana. *Journal of Family History*, **37**(4):351-363.
- Isiugo-Abanihe, U.C.** (1985). Child fosterage in West Africa. *Population and Development Review*, **11**(1):53-73.
- James, A.** (2007). Giving Voice to Children's Voices: Practices and Problems, Pitfalls and Potentials. *American Anthropologist*, **109**(2):261-272.
- Kelly, M.** (2005). The response of the educational system to the needs of orphans and children affected by HIV/AIDS. In Foster, G., C. Levine and J.G. Williamson (eds) *A Generation at risk: the global impact of HIV/AIDS on orphans and vulnerable children.* Cambridge: Cambridge University Press, pp:66-92.
- Kidman, R., JA Hanley, G. Foster, SV Subramanian, SJ Haymannx,** (2012). Educational disparities in AIDS-affected communities: does orphanhood confer unique vulnerability? *Journal of Development Studies*, **48**(4):531-548.
- Kurzinger, M., Pagnier, J., Kahn, J., Hampshire, R., Wakabi, T. and Dye, T.** (2008) Education status among orphans and non-orphans in communities affected by AIDS in Tanzania and Burkina Faso. *AIDS Care*, **20**:726-732.

- Kuyini, A.B., A.R. Alhassan, I. Tollerud, H. Weld and I Haruna**, (2009). Traditional kinship foster care in northern Ghana: the experiences and views of children, carers and adults in Tamale. *Child & Family Social Work* **14**(4):440-449.
- Lallemand, S.** (1988). Adoption, fosterage et alliance. *Anthropologie et Sociétés*, **12**(2):25-40.
- Lallemand, S.** (1993). *La Circulation des Enfants en Société Traditionnelle: Prêt, don, échange*. Paris: l'Harmattan.
- Lallemand, S.** (1994). *Adoption et Mariage: les Kotokoli du Centre de Togo*. Paris: l'Harmattan.
- Levine, C., G. Foster and J.G. Williamson** (2005). Introduction: HIV/AIDS and its long-term impact on children. In Foster, G., C. Levine and J.G. Williamson (eds) *A Generation at risk: the global impact of HIV/AIDS on orphans and vulnerable children*. Cambridge: CUP, pp:1-10.
- Lloyd, C.B. and A.K. Blanc**, (1996). Children's schooling in sub-Saharan Africa: the role of fathers, mothers and others. *Population and Development Review*, **22**(2):265-298.
- Madhaven, S.** (2004). Fosterage patterns in the age of AIDS: continuity and change. *Social Science and Medicine*, **58**(7):1443-1454.
- Madhaven, S., E. Schatz, S. Clark and M. Collinson**, (2012). Child mobility, maternal status and household composition in Rural South Africa. *Demography*, **49**(2):699-718.
- Martin, J.** (2013). Experiencing father's kin and mother's kin. . In Alber, E., J. Martin and C. Noterman's (eds), *Child Fostering in West Africa*. Leiden, Boston: Brill, pp:111-134.
- Masmas, T., Jensen, H., Da Silva, D., Høj, L., Sandström, A. and Aaby, P.** (2004). The social situation of motherless children in rural and urban areas of Guinea-Bissau. *Social Science and Medicine*, **59**:1231-1239.
- Mathambo, V. and A. Gibbs** (2009). Extending family childcare arrangements in the context of AIDS: collapse or adaptation? *AIDS Care*, **21**(1):22-27.
- Miller, C.M., G. Gruskin, S.V. Subramanian and J. Heymann** (2007). Emerging health disparities in Botswana: Examining the situation of orphans during the AIDS epidemic. *Social Science and Medicine*, **64**:2476-86.
- Monasch, R. and J.T. Boerma**, (2004). Orphanhood and childcare patterns in sub-Saharan Africa: an analysis of national surveys from 40 countries. *AIDS*, **18**(suppl 2):S55-S65.

- Murray, C.** (1981). *Families divided: The impact of labour migration in Lesotho*. Cambridge: CUP.
- Notermans, C.** (2004). Fosterage and politics of marriage and kinship in East Cameroon. In F. Bowie (ed), *Cross-cultural approaches to adoption*. London: Routledge, pp:48-63.
- Notermans, C.** (2008). The emotional world of kinship: children's experiences of fosterage in East Cameroon. *Childhood*, **15**(3): 355-377.
- Notermans, C.** (2013). Children coming and going: fostering and lifetime mobility in East Cameroon. In Alber, E., J. Martin and C. Noterman's (eds), *Child Fostering in West Africa*. Leiden, Boston: Brill, pp:155-176.
- Nyambedha, E.O., S. Wandibba and J. Aagaard-Hansen** (2003). Changing patterns of orphan care due to the HIV epidemic in western Kenya. *Social Science and Medicine*, **57**:301-11.
- Nyamukupa, CA, S. Gregson, B. Lopman, S. Saito, HJ Watts, R. Monasch, MCH Jukes** (2008). HIV-associated orphanhood and children's psychosocial distress: theoretical framework tested with data from Zimbabwe. *American J. Pub. Health*, **98**(1):133-41.
- Nyasani, E., E. Sterberg and H. Smith,** (2009). Fostering children affected by AIDS in Richards Bay, South Africa: a qualitative study of grandparents' experiences. *African Journal of AIDS Research* **8**(2):181-192.
- Okele, C., A. Blystad, K.M. Moland, O.B. Rekdal and K. Heggenhougen,** (2006). The varying vulnerability of African orphans – the case of the Langi, northern Uganda. *Childhood*, **13**(2):267-284.
- Operario, D., L. Cluver, H. Rees, C. MacPhail and A. Pettifor,** (2008). Orphanhood and completion of compulsory school education among young people in South Africa: findings from a national representative survey. *Journal of Research on Adolescence*, **18**(1):173-186.
- Page, H.** (1989). Childrearing vs childbearing: co-residence of mother and child in Sub-Saharan Africa. In R.J. Lesthaeghe (ed) *Reproduction and Social Organization in Sub-Saharan Africa*, University of California Press; pp:401-441.
- Parikh, A., M.B. DeSilva, M. Cakwe, T. Quinlan, J.L. Simon, A. Skalicky, and T. Zhuwau,** (2007). Exploring the Cinderella Myth: Intrahousehold differences in child wellbeing between orphans and non-orphans in Amajuba District, South Africa. *AIDS*, **21**(suppl. 7):S95-S103.
- Parker, E.M. and S.E. Short** (2009). Grandmother co-residence, maternal orphans and school enrolment in Sub-Saharan Africa. *Journal of Family Issues* **30**(6):813-36.

**Porter, G., J. Townsend and K. Hampshire** (2012). Editorial: Children and young people as producers of knowledge. *Children's Geographies*, 10(2):131-134.

**Robson, E.** (2012.) Qualitative Service Assessment for Beneficiaries of the Government of Malawi's Social Cash Transfer Programme. Kadale Consultants for UNICEF/Government of Malawi

**Serra, R.** (2009). Child fostering in Africa: When labor and schooling motives may coexist. *Journal of Development Economics*, 88(1):157-170.

**Sharma, M.** (2006) Orphanhood and schooling outcomes in Malawi. *American Journal of Agricultural Economics*, 88:1273–1278.

**Timaeus, I. and T. Boler,** (2007). Father figures: the progress at school of orphans in South Africa. *AIDS*, 21(suppl. 7):S83-S93.

**UNAIDS** (2010). *Report on the Global AIDS epidemic.*

[http://www.unaids.org/globalreport/Global\\_report.htm](http://www.unaids.org/globalreport/Global_report.htm)

**UNDP** (2013). *Human Development Report.*

[http://hdr.undp.org/en/media/HDR2013\\_EN\\_Summary.pdf](http://hdr.undp.org/en/media/HDR2013_EN_Summary.pdf)

**UNESCO** (2010). *EFA Global Monitoring Report Summary.*

<http://www.unesco.org/new/en/education/themes/leading-the-international-agenda/education-for-all/efa-goals/>

**UNICEF** (2012). *State of the World's Children.*

<http://www.unicef.org.uk/Documents/Publications/state-of-the-worlds-children-2012-urban-world.pdf>

**Verhoef, H. and G. Morelli,** (2007). "A child is a child": Fostering experiences in northwestern Cameroon. *Ethos*, 35(1):33-64.

**Yamano, T. and Jayne, T.** (2005) Working-age adult mortality and primary school attendance in rural Kenya. *Economic Development and Cultural Change*, 53(3):619–653.

**Zagheni, E.** (2011). The impact of the HIV/AIDS epidemic on kinship resources for orphans in Zimbabwe. *Population and Development Review*, 37(4):761-783.

**Zimmerman, F.J.,** (2003). Cinderella goes to school: The effects of child fostering on school enrolment in South Africa. *Journal of Human Resources*, 38(5):557-590.

**Table 1: Typology of fostering and orphanhood adopted in this paper [excluding children with no co-residential adult carer]**

Orphanhood status	Parental co-residence: fostering status			
	Lives with both biological parents	Lives with biological mother only	Lives with biological father only	Lives with adult carer but neither biological parent (fostered)
Not orphaned (both parents alive)	(1)	(2)	(3)	(4)
Paternal orphan (mother alive only)	--	(5)	--	(6)
Maternal orphan (father alive only)	--	--	(7)	(8)
Double orphan (both parents dead)	--	--	--	(9)

**Table 2: Profiles of Ghana and Malawi: development, schooling, HIV and child fostering**

	Ghana		Malawi	
HDI rank <sup>a</sup>	135 / 177		171 / 177	
Schooling <sup>b</sup>	<i>Boys</i>	<i>Girls</i>	<i>Boys</i>	<i>Girls</i>
Primary school enrolment	76%	77%	89%	94%
Primary school attendance	74%	75%	76%	79%
Secondary school enrolment	48%	44%	26%	24%
Secondary school attendance	42%	42%	19%	20%
HIV/AIDS <sup>b</sup>				
Adults HIV prevalence (15-49y)	1.8%		11%	
AIDS orphans <sup>c</sup> (<18y)	160,000 [1.5%]		650,000 [8%]	
Orphanhood and fostering <sup>d</sup>				
Living with both parents	49.1%		60.3%	
Living with one parent	34.2%		23.0%	
Fostered; both parents alive	13.2%		10.0%	
Fostered; one parent alive	2.1%		4.0%	
Fostered; both parents dead	0.4%		1.9%	

a: Source: UNDP, 2013

b: Source: UNICEF, 2012

c: Single and double orphans combined

d: Source: Monasch and Boerma, 2004 (DHS data 1997-2002)

**Table 3: Fostering and orphanhood status of survey respondents (ages 8-17y)****(a) Ghana (N=944)**

Orphanhood status	Co-residence of parents: lives with...				TOTALS
	Both biological parents	Biological mother only	Biological father only	Neither biological parent	
Both parents alive	512 (54.2%)	137 (14.5%)	39 (4.1%)	117 (12.4%)	805 (85.2%)
Mother alive only	--	61 (6.5%)	--	25 (2.6%)	86 (9.1%)
Father alive only	--	--	13 (1.4%)	21 (2.2%)	34 (3.6%)
Both parents dead <sup>a</sup>	--	--	--	19 (2.0%)	19 (2.0%)
<b>TOTALS</b>	<b>512 (54.2%)</b>	<b>198 (21.0%)</b>	<b>52 (5.5%)</b>	<b>182 (19.0%)</b>	<b>944 (100%)</b>

Source: Child Mobility Survey

**(b) Malawi (N=907)**

Orphanhood status	Co-residence of parents: lives with...				TOTALS
	Both biological parents	Biological mother only	Biological father only	Neither biological parent	
Both parents alive	538 (59.3%)	110 (12.1%)	11 (1.2%)	87 (9.5%)	746 (82.1%)
Mother alive only	--	77 (8.5%)	--	14 (1.5%)	91 (10.0%)
Father alive only	--	--	12 (1.3%)	18 (2.0%)	30 (3.3%)
Both parents dead <sup>a</sup>	--	--	--	40 (4.4%)	40 (4.4%)
<b>TOTALS</b>	<b>538 (59.3%)</b>	<b>187 (20.6%)</b>	<b>23 (2.5%)</b>	<b>159 (17.5%)</b>	<b>907 (100%)</b>

Source: Child Mobility Survey

Note: a: 'Dead' includes parents for whom it is not known whether they are alive or dead.

**Table 4: Main carers of children [aged 8-17y] living with neither biological parent**

	Ghana	Malawi	ALL
No one	1 (0.6%)	0	1 (0.3%)
Grandparent	78 (45.6%)	81 (51.6%)	159 (48.5%)
Brother or sister	27 (15.8%)	33 (21.0%)	60 (18.3%)
Aunt, uncle or other relative	56 (32.7%)	40 (25.5%)	96 (29.2%)
Non-relative	9 (5.3%)	3 (1.9%)	12 (3.7%)
ALL	171	157	328

Source: Child Mobility Survey

**Table 5: Schooling indicators: descriptive statistics by gender [children 8-17y]**

	Ghana		Malawi	
	Girls [N=489]	Boys [N=452]	Girls [N=503]	Boys [N=405]
% currently enrolled	87.3%	93.8%	84.3%	78.0%
% attended school preceding week	84.9%	90.0%	76.5%	69.1%
% 2+ school-grades behind by age <sup>a</sup>	74.1%	76.6%	77.6%	83.2%

<sup>a</sup>Of those currently enrolled in school

Source: Child Mobility Survey

**Table 6: Logistic regression analysis of school enrolment, attendance and progress: children aged 8-17 years by fostering and orphanhood status**

Variable	Log Odds [B]					
	School enrolment		School attendance		School progress: being 2+ years behind	
	Ghana [N=928]	Malawi [N=893]	Ghana [N=928]	Malawi [N=893]	Ghana [N=903]	Malawi [N=889]
<i>Sex [Ref=female]</i>						
Male	<b>1.174***</b>	-0.279 <sup>NS</sup>	<b>0.691***</b>	-0.260 <sup>NS</sup>	-0.020 <sup>NS</sup>	0.243 <sup>NS</sup>
<i>Age group [Ref=8-11y]</i>						
12-14y	<b>-1.025*</b>	0.289 <sup>NS</sup>	-0.357 <sup>NS</sup>	0.055 <sup>NS</sup>	<b>0.617***</b>	<b>1.295***</b>
15-18y	<b>-2.260***</b>	<b>-0.754***</b>	<b>-1.140***</b>	<b>-0.704***</b>	<b>2.024***</b>	<b>2.138***</b>
<i>Household wealth [Ref=poorest]</i>						
Middle	0.413 <sup>NS</sup>	0.482 <sup>NS</sup>	0.298 <sup>NS</sup>	0.397 <sup>NS</sup>	-0.219 <sup>NS</sup>	<b>-0.595*</b>
Wealthiest	0.385 <sup>NS</sup>	<b>0.630*</b>	0.449 <sup>NS</sup>	<b>0.596*</b>	<b>-0.589**</b>	<b>-1.812***</b>
<i>Fostering/orphanhood status [Ref= Both parents alive; lives with both]</i>						
Both parents alive; lives with mother only	0.253 <sup>NS</sup>	0.132 <sup>NS</sup>	-0.236 <sup>NS</sup>	0.250 <sup>NS</sup>	0.148 <sup>NS</sup>	-0.709 <sup>NS</sup>
Both parents alive; lives with father only	1.195 <sup>NS</sup>	0.414 <sup>NS</sup>	-0.049 <sup>NS</sup>	-0.799 <sup>NS</sup>	0.472 <sup>NS</sup>	1.525 <sup>NS</sup>
Both parents alive; lives with foster parent	<b>-0.989***</b>	0.630 <sup>NS</sup>	<b>-0.904***</b>	0.131 <sup>NS</sup>	0.354 <sup>NS</sup>	0.142 <sup>NS</sup>
Mother alive only; lives with mother	-0.295 <sup>NS</sup>	-0.560 <sup>NS</sup>	-0.175 <sup>NS</sup>	-0.026 <sup>NS</sup>	-0.026 <sup>NS</sup>	0.217 <sup>NS</sup>
Mother alive only; lives with foster parent	-0.556 <sup>NS</sup>	0.097 <sup>NS</sup>	-0.310 <sup>NS</sup>	0.508 <sup>NS</sup>	0.371 <sup>NS</sup>	-0.653 <sup>NS</sup>
Father alive only; lives with father	0.817 <sup>NS</sup>	0.316 <sup>NS</sup>	-0.074 <sup>NS</sup>	0.313 <sup>NS</sup>	0.994 <sup>NS</sup>	-1.165 <sup>NS</sup>
Father alive only; lives with foster parent	-0.691 <sup>NS</sup>	-0.445 <sup>NS</sup>	-0.848 <sup>NS</sup>	0.230 <sup>NS</sup>	1.984 <sup>NS</sup>	1.553 <sup>NS</sup>
Both parents dead; lives with foster parent <sup>a</sup>	0.792 <sup>NS</sup>	<b>-0.885*</b>	-0.182 <sup>NS</sup>	<b>-0.922**</b>	0.974 <sup>NS</sup>	-0.707 <sup>NS</sup>
<i>Settlement Type [Ref=Remote rural]</i>						
Urban	<b>1.367***</b>	<b>2.596***</b>	<b>0.776*</b>	<b>1.901***</b>	<b>-2.168***</b>	<b>-3.000***</b>
Peri-urban	<b>0.846**</b>	<b>1.616***</b>	0.339 <sup>NS</sup>	<b>1.302***</b>	<b>-1.696***</b>	<b>-1.739***</b>
Rural/services	<b>0.941**</b>	<b>0.916***</b>	<b>0.807*</b>	<b>0.679***</b>	-0.573 <sup>NS</sup>	0.217 <sup>NS</sup>
<i>Region [Ref=BAR/LL]</i>						
CR/BT	<b>1.374***</b>	<b>0.488*</b>	<b>1.072***</b>	0.146 <sup>NS</sup>	<b>-0.633***</b>	<b>-1.162***</b>

\*p<0.05; \*\*p<0.01; \*\*\*p<0.005

<sup>a</sup>The one double orphan [in Ghana] who was not fostered in excluded from this analysis



**Table 7: Logistic regression analysis of school enrolment, attendance and progress: children aged 8-17 years by fostering/orphanhood status and relationships to foster carer**

Variable	Log Odds [B]					
	School enrolment		School attendance		School progress: being 2+ years behind	
	Ghana [N=928]	Malawi [N=893]	Ghana [N=928]	Malawi [N=893]	Ghana [N=903]	Malawi [N=889]
<i>Sex [Ref=female]</i>						
Male	<b>1.169***</b>	-0.282 <sup>NS</sup>	<b>0.714***</b>	-0.258 <sup>NS</sup>	-0.026 <sup>NS</sup>	0.228 <sup>NS</sup>
<i>Age group [Ref=8-11y]</i>						
12-14y	<b>-0.997*</b>	0.261 <sup>NS</sup>	-0.341 <sup>NS</sup>	0.063 <sup>NS</sup>	<b>0.652***</b>	<b>1.265***</b>
15-18y	<b>-2.213***</b>	<b>-0.781***</b>	<b>-1.118***</b>	<b>-0.707***</b>	<b>2.038***</b>	<b>2.131***</b>
<i>Household wealth [Ref=poorest]</i>						
Middle	0.414 <sup>NS</sup>	0.435 <sup>NS</sup>	0.301 <sup>NS</sup>	0.372 <sup>NS</sup>	-0.202 <sup>NS</sup>	<b>-0.549*</b>
Wealthiest	0.422 <sup>NS</sup>	<b>0.594*</b>	0.469 <sup>NS</sup>	<b>0.560*</b>	<b>-0.569**</b>	<b>-1.765***</b>
<i>Fostering/orphanhood status [Ref= Both parents alive; lives with both]</i>						
One or both parents alive; lives with one	0.255 <sup>NS</sup>	-0.106 <sup>NS</sup>	-0.182 <sup>NS</sup>	0.093 <sup>NS</sup>	0.181 <sup>NS</sup>	-0.270 <sup>NS</sup>
One/both parents alive; lives with grdparent	-0.682 <sup>NS</sup>	0.162 <sup>NS</sup>	<b>-0.749*</b>	0.189 <sup>NS</sup>	<b>0.687*</b>	0.279 <sup>NS</sup>
One/both parents alive; lives with oth carer	<b>-1.094***</b>	0.932 <sup>NS</sup>	<b>-0.910**</b>	0.185 <sup>NS</sup>	0.252 <sup>NS</sup>	0.122 <sup>NS</sup>
Both parents dead; lives with grandparent	-0.285 <sup>NS</sup>	-0.798 <sup>NS</sup>	-0.193 <sup>NS</sup>	-1.034 <sup>NS</sup>	0.730 <sup>NS</sup>	0.387 <sup>NS</sup>
Both parents dead; lives with other carer	-- <sup>b</sup>	-0.925 <sup>NS</sup>	-0.143 <sup>NS</sup>	-0.827 <sup>NS</sup>	-- <sup>b</sup>	-0.880 <sup>NS</sup>
<i>Settlement Type [Ref=Remote rural]</i>						
Urban	<b>1.331***</b>	<b>2.563***</b>	<b>0.759*</b>	<b>1.852***</b>	<b>-2.154***</b>	<b>-2.868***</b>
Peri-urban	<b>0.858**</b>	<b>1.603***</b>	0.330 <sup>NS</sup>	<b>1.258***</b>	<b>-1.690***</b>	<b>-1.628***</b>
Rural/services	<b>0.930**</b>	<b>0.919***</b>	<b>0.811*</b>	<b>0.663***</b>	-0.575 <sup>NS</sup>	0.220 <sup>NS</sup>
<i>Region [Ref=BAR/LL]</i>						
CR/BT	<b>1.623***</b>	<b>0.488*</b>	<b>1.079***</b>	0.145 <sup>NS</sup>	<b>-0.642***</b>	<b>-1.146***</b>

\*p<0.05; \*\*p<0.01; \*\*\*p<0.005

<sup>a</sup>The one double orphan [in Ghana] who was not fostered in excluded from this analysis.

<sup>b</sup> Cell numbers too small for analysis.