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**Thesis for Masters in Public Health**

**Vulnerability in Children due to HIV/AIDS:**

**Literature review and Factor Analysis**

**Student: Dr Donald Skinner SKNDON001**

**Supervisor: Dr Landon Myer**

University of Cape Town

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## **Vulnerability in Children due to HIV/AIDS: Literature review and Factor Analysis**

### **Abstract**

With the maturation of the epidemic of HIV/AIDS there are a growing number of threats facing children in South Africa. The epidemic has rapidly increased the number of orphans, which in a context of poverty, increasing disparities of wealth, substance abuse, violence, and child abuse presents a range of huge threats to children. To be able to respond a detailed understanding of the context is required. This study aims to use factor analysis to increase our understanding of how these threats covary and combine to increase the vulnerability of groups of children. Data was drawn from a survey of children aged 6-14 in Kanana in the North West Province, which was part of a larger study to develop best practice interventions for working with orphaned and vulnerable children. Variables covering the range of areas of vulnerability including illnesses, plus material, emotional and social problems were incorporated into the factor analysis. Missing data, which resulted in a number of data points being excluded and the breaking of a number of assumptions of factor analysis, including the use of ordinal and binary data and the skewed distribution of the data, means that the results have to be interpreted with caution. Three factors were drawn out, the first and by far the strongest covered a range of mental health problems, the second loaded on financial security of the household and the child's happiness and hope for the future indicating the key role of poverty, and the third and weakest factor covered orphan status and stigma.

# **Vulnerability in Children due to HIV/AIDS: Literature review and Factor Analysis**

## **Introduction**

The situation of children in South Africa requires urgent attention. New concerns have been raised by the numbers of children orphaned by AIDS especially as projections indicate that this number is rising rapidly. However, the situation of these orphans does not address the full scale of the problem, since the HIV epidemic, surrounding poverty and other social problems are generating a context in which large numbers of children are becoming vulnerable. The term 'orphaned and vulnerable children' (OVC) was introduced due to the limited usefulness of the tight definition of the construct of 'orphanhood' in the scenario of HIV/AIDS (Smart, 2003). OVC in turn has had its own difficulties as a construct, since it has had no implicit definition or clear statement of inclusion and exclusion. It works as a theoretical construct, but requires explanation and definition at ground level. (Skinner, Tsheko, Mtero-Munyati, et al, 2006)

Orphans and particularly "AIDS orphans" are the focus of much academic and popular writing. Such work includes counts or projections of numbers of orphans (Bicego, Rutstein and Johnson, 2003; Hunter, 1991), examination of interventions required to provide adequate assistance (Bhargava and Bigombe, 2003; Whiteside, 2000; Hunter, 1991), descriptions of the context and caring of orphans (Nyambedha, Wandibba and Aagaard-Hansen, 2003; Bicego et al, 2003; Appleton, 2000), and descriptions of the impact of HIV on children (Baylies, 2000; Whiteside, 2000; Appleton, 2000). Some of this material, particularly that in the popular literature, has sensationalised the issue. Examples of the 'worst-case' studies of orphans are identified and these situations are

extrapolated to all orphans in the region (Masland, Nordland, Katheru, et al, 2000; Robinson, 1999). Some more recent research has extended its scope and worked more with the preferential concept of vulnerability and the different contexts that lead children to be vulnerable (Krift and Phiri, 2004; Unicef, 2004; World Bank, 2004). ‘Vulnerability’ is much more difficult to define. The complexity increases when it is considered that this definition needs to guide work with children in multiple contexts around the world, and needs to avoid being construed as stigmatising.

This thesis will use the definition drawn from a larger study of interventions for orphaned and vulnerable children in Botswana, South Africa and Zimbabwe from which the data for this study was taken. Here a community based process was used to develop the construct. This forms the basis for the setting up of the variables the following analysis.

There appeared to be agreement that the age limit for definition of a child should be 18 years. An orphan is a child who has lost either one or both parents. The remainder of the definition centres around three core areas. The relative importance of each will be defined by context:

- *Material problems*, including access to money, food, clothing, shelter, health care and education.
- *Emotional problems*, including experience of caring, love, support, space to grieve and containment of emotions.
- *Social problems*, including lack of a supportive peer group, of role models to follow, stigma or of guidance in difficult situations, and risks in the immediate environment.

(Skinner, et al, 2006)

This discussion provides a start for the construction of a definition of OVC that can be used for the development of interventions, and for the development of further research to adequately understand the position of OVC. The variation across contexts requires specific consideration, but this definition was shared across six sites in the three countries. The constructs are also similar to those obtained from research in many other countries. It is useful to note that similar debates and decisions around definition and support were generated in Rwanda in discussions about assisting vulnerable children after the genocide (Women's Commission for Refugee Women & Children, 1997).

A further concern is that with the creation of terms to name or define a group, especially a group seen to be having as many problems as OVC, they become objectified or automatically become targets for stigma. Care must therefore be taken with how the term is used, in both the academic and popular literature, as well as in care programmes. (Evans, 2003).

## **Literature Review on vulnerability status of children in South Africa**

Information on the situation of children in SA and the nature of the threats they face is described, drawing on available information from the literature on the epidemiological distribution of the factors concerned. The definition itself is fairly universal, so only those areas on which information is available are presented. All could have significant impacts on children's vulnerability.

### **Orphan status and care**

Orphanhood remains a particular threat that requires examination. An orphan is defined by UNAIDS, and most other research and resource groups, as a child under 18 years of age who has lost one or both parents (UNAIDS and WHO, 2007). Within the orphan grouping, layers of vulnerability are addressed as one system for adding descriptive understanding to the context of the OVC (Hunter, 1991; Bicego et al, 2003). There appear to be some implicit classification systems for orphans, such as the nature of their caregivers i.e. extended families, foster parents, community caregivers, child-headed households and those under institutional care (Nyambedha et al, 2003), the level of additional assistance that is required (Bhargava and Bigombe, 2003; Hunter, 1991), and between maternal, paternal and double orphans (Nyambedha et al, 2003; Hunter, 1991).

The loss of either parent puts strain on the child, with regard to either or both direct care and resources available (Bray, 2003). The rapid introduction of ARVs will reduce the number of orphans needing care and as such is an important initial intervention (Nattrass, 2005). Migrant labour also constitutes a particular form of loss of a parent for a period of time, as they go in search of income (Demographic & Health Survey, 1999).

Orphans and children left behind are very dependent on the availability and quality of replacement caregivers. Families that take in additional children can be under pressure due to the increase in the size of their households. The pressure of the increasing number of OVC and stressful circumstances has seen families splitting and reforming in different ways (Bray, 2003). The long-term impact of this on the physical, emotional and social life of the child and the capacity to sustain care still need careful study (Foster, 1997). The extended family and community care which was thought to guarantee African children a home have already been shown to be overextended by the HIV/AIDS epidemic. This increases the risk of child-headed households, street children and child labour (Foster, 2000; Hunter, 1991). However, recent research shows that child-headed households are not yet a common phenomenon (Hosegood, Floyd, Marston, et al, 2007).

Arising from both of these points is the question of the best methods of care. It could be argued that too much emphasis is put on HIV/AIDS orphans, sometimes resulting in these children having a more privileged status than other children made vulnerable by different circumstances (Wild, Flisher, Laas & Robertson; 2005). The paper works from a premise of preference for a holistic approach to working with children. Incorporated within this assumption is a need to support and protect children against all forms of threat; and that interventions need to consider not just children, but their families and communities as well.

Of great concern is the high number of inadequate caregivers, including those who do not have the skills, do not wish for the role or are too old or too young to fulfil the task (International HIV/AIDS Alliance, 2004). Older or adolescent care givers may not have

the energy or the knowledge to pick up on crucial health or social service problems early in younger children, e.g. early symptoms of illness (Foster, 1998). Illness of a parent reduces their capacity for providing care, with HIV/AIDS generally having a more devastating impact, while for the child there is also the psychological impact of watching the parents' illness and death. Household incomes already plummet when adults fall ill from HIV, as illness often reduces the parents' capacity for providing care, increasing the child's vulnerability (Booyesen, 2003).

### **HIV/AIDS, other illnesses and disability among children**

The Infant Mortality Rate was estimated to have increased to 60 per 1000 live births and the Under-5 mortality rate increased to 95 per 1000. (Bradshaw, Bourne, and Nannan, 2000) This represents a deterioration in child health which occurred despite the introduction of free health care and nutrition programmes and was attributable to paediatric AIDS, commensurate with the high prevalence of HIV observed among pregnant women. National sero-prevalence figures for children 2-14 are 3.3%, while youth 15-24 are 10.3% (Shisana, Rehle, & Simbayi et al., 2002). Although these are lower than the adult levels they are still high. The Prevention of Mother to Child Transmission (PMTCT) programme will, if fully implemented, reduce this risk (Natrass, 2005).

HIV/AIDS was the leading cause of death among young children and accounted for 40% of the deaths in 2000. Although the percentage of deaths due to HIV/AIDS is higher in the 1-4 year age group, the largest number of deaths occurred in the under one age group.

Other diseases are also important and account for a significant number of deaths, including low birth weight (11.2%), diarrhoea (10.2%), lower respiratory infections (5.8%), protein energy malnutrition (4.3%), neonatal infections (2.8%) and birth asphyxia and trauma (2.4%) accounted for a further 37.7% of the childhood deaths. Solarsh and Goga (2004)

stated that incidences of diarrhoeal disease have reduced considerably from 1998 to 2003. Overall incidence of lower respiratory tract infection was 241 per 1000 in under 5's in 2002, with wide variation between provinces.

## **Disability**

Both physical and mental disabilities are important to consider, but it is difficult here as with other categories to give clear figures. The problems of the lack of clear uniform definitions have been raised repeatedly, and these directly impinge on identification, diagnosis, record keeping and thus statistics. Very few exact national disability prevalence statistics exist. However, it is acceptable to use the general WHO estimates, as they are relatively accurate in determining national prevalence (The Child Health Policy Institute, 2001). National surveys exploring *reported* disability within households usually have a higher rate than found with *confirmed* cases due to methodological problems. There are distinct variations in level and nature of disability and particularly what constitutes sufficient disability to seriously impact on the person. Guthrie (2001) found the following statistics for total disability in children, 6.6% in the 1996 census and in 1999 a survey by the Community Agency for Social Enquiry (CASE, 1999) found 5.9% prevalence. Both relied on the survey participants' perceptions of disability, and are open to bias. They also did not cover all areas of disability, particularly intellectual disability. The figures also do not provide specific rates for different forms or levels of disability and so make the planning of responses very difficult (Saloojee et al, 2003).

## **Stigma**

Being associated with HIV/AIDS via being in the same household as a person with the disease or being an orphan of someone who has died of HIV/AIDS can present its own stigma. The latter is heightened if there is insufficient care for the person past the death of the parents. The child is almost seen as a threat by the surrounding community. Stigma can affect children in multiple ways, but particularly if they are excluded from their community of support, and begin to internalize the stigma leading to the entrenchment of highly damaged self-images (Skinner and Mfecani, 2004).

## **Poverty**

Poverty impacts on children in that they lack adequate nutrition, access to services, proper housing, clothing, etc. The impact is pervasive over time and throughout the country, although certain provinces are worse off. Poverty affects entire communities, with children living in generally deprived contexts (Bicego, Rutstein & Johnson, 2003). The situation is worse on farms and in rural areas, which are often also more invisible. Using the World Bank definition of poverty, namely living on less than 'a dollar a day' (World Bank, 2000), at least 45% of South Africans live in absolute poverty (Hill & Smith, 2003). In 2002 one estimate found that 11 million children lived on less than R200 per month (Streak, 2002). Poor informal housing is highly associated with a range of negative health impacts including HIV infection, and those living there are more likely to be disadvantaged regarding access to services (Shisana & Simbayi, 2002).

Despite the national priorities of the Department of Health (DoH), Dept of Education (DoE) and Dept of Social Development (DSD) to ensure that all, particularly children,

have access to services, considerable gaps still remain, putting children at health or development risks, or comprising their education (Desmond & Gow, 2002).

There are clear interactions between HIV/AIDS and poverty. HIV/AIDS contributes to poverty as those earning money often have to leave the workplace, other household members may have to leave work or school to provide care, household costs increase with health expenses rising, and capacity to do agricultural work even on small plots reduces (Hunter, Bulirwa & Kisseka, 1993). Likewise it is shown internationally that poverty exacerbates the risk of HIV/AIDS (Foster, 1998) and this is supported by national research (Shisana & Simbayi, 2002; Loevensohn & Gillespie, 2003). However sero-prevalence levels very close to the overall population level, among professional groups such as health professionals (Shisana, Hall, Maluleke, Stoker, Schwabe, Colvin, et al, 2002) and educators (Shisana, Peltzer, Zungu-Dirwayi & Louw, 2005), indicate that despite the strong connection between poverty and HIV/AIDS, the disease impacts across the class divide.

## **Housing**

While a part of poverty, housing does have specific implications of its own, as poor and/or informal housing is highly associated with a range of negative health impacts including HIV infection and are more likely to be disadvantaged in terms of access to services (Shisana and Simbayi, 2002). Census 2001 showed 1 376 706 informal houses plus 459 526 informal dwellings or shacks in backyards, 16.4% of all households. The highest levels of informal housing are found in Free State 26.1% and Gauteng 23.9%, with the total number of informal housing in South Africa being 16.4% (Statistics South Africa,

2003). Street children constitute a particular subpopulation of children with heightened vulnerability within this group (Kopaka, 2000).

### **Access to services**

Despite the national priorities of the DoH, DoE and DSD to ensure that all, particularly children, have access to services, considerable holes do remain. If children are unable to access services there are dangers of them being less healthy, not receiving an adequate education and other compromises to their development. Differences in access based on class and race. (Skinner and Davids, 2005a; Skinner and Davids, 2005b)

### **Abuse of children**

The abuse of children is really a specific subset of poor carers, looking specifically at those who deliberately try to extract benefit from the child, at the child's expense. Abuse takes many forms including sexual, physical or emotional abuse, plus abuse of grants and use of children for labour with there being considerable variation within these categories (Richter and Higson-Smith, 2004). In the situation of HIV/AIDS where children may be without formal adult protection, their vulnerability to this abuse increases. Formal data on this form of abuse is poor as it is seldom if ever reported to police and even if reported seldom addressed (Jackson, 1997).

The actual prevalence of abuse is very difficult to measure. The statistics provided by the SAPS for last year indicate a level that 6504 cases of child abuse in South Africa over the year of record collection 2003-04 (Institute for Security Studies, 2005). It must be furthermore seriously acknowledged that many cases of child abuse and neglect are not

reported because of fear of victimization, as well as children who are not informed about their rights. This is likely to be considerably lower than the real figure. Children are the least powerful in being able to assert themselves and report crimes against them. Generally this is a very difficult area to measure and to be able to get a good understanding of the prevalence, a more sophisticated understanding of the issues and considerably better tools are required (Dawes, Borel-Saladin and Parker, 2004) Abuse remains one of the most devastating events for children and the impact of this can last throughout their lives. While this does not always occur within the family, the family does remain as the most likely site of abuse.

### **Emotional and mental health problems**

A large number of mental health problems relating to post traumatic stress, depression, anxiety and complicated grieving have been noted amongst children who are orphaned or who are vulnerable for other reasons (Cluver and Gardner, 2007; Wild, Flisher, Laas and Robertson, 2005).

A potential mental health risk is the danger of orphans or children in large households not receiving adequate emotional care from care givers due to the pressure of household with the increasing numbers of children and the potential for caretakers to give preference to their own children and exclude additional children who have entered their household. This lack of emotional care can have implications over time for personality development and in terms of that child's capacity to form emotional bonds as an adult (Skinner and Davids, 2005a; Skinner and Davids, 2005b).

## **Social and community problems**

Many of the social and community problems such as poverty in communities, substance abuse, attitudes to children, quality of housing and access to services, have already been addressed above. Included here are some remaining issues particularly violence, substance abuse and child prostitution.

## **Violence in the community**

The principle problems of violence in communities relate to crime, the presence of gangs, community and political violence, sexual violence and finally domestic violence (Standing, 2003; Anderson and Mhatre, 2003). The overall statistics for crime in South Africa have been decreasing since 1998, including in areas of violent crime. These statistics do however remain extremely high and importantly the fear of crime has generally increased across the country (Mistry, 2004). However the levels of crime do remain unacceptably high. Of particular note are the levels of violent crime including murder (19 824 cases), assault with intent to do grievous bodily harm (260 082), rape (52 733), and sexual assault (9 302) (ISS, 2005). These are also often considered to be significant undercounts of the real crime situation (Institute for Security Studies, 1998), especially in the case of rape, where it is estimated by groups like Rape Crisis (2005) that only one in twenty or thirty cases are reported. Sexual crimes do create a general atmosphere of insecurity for all children, not just girl children. Men do remain the major victims of violence with this being the major cause of death for male youth between 15 and 30 (Reddy, Panday, Swart, et al, 2002).

Gender and domestic violence constitutes a particular problem as they impact directly into the homes and thus directly on children in their homes. Problems are accentuated by the

acceptance in many communities that this is normal and the inadequate responses by police, although the latter is being addressed within the SAP itself (Jackson, 1997).

### **Substance abuse in communities**

Substance use has been and is a consistent problem across South Africa. These problems of excessive alcohol use are well established (Parry, 1997), but there is evidence of large increases in the use of illegal drugs (Leggett, 2001, Ryan, 1997), especially with the opening of the country's borders following establishment of democracy. The increase in use of illegal drugs brings with it increases in violence directly as a result, particularly violence while under the influence of drugs, crime to obtain money to support a habit and conflict over control of drugs and selling areas (Ryan, 1997).

No recent national prevalence studies are available or have up to date been conducted. However data taken from a research study conducted by South African Community Epidemiology Network on Drug Use (Pluddemann et al., 2004) has made the following data available:

A particular concern is the age of users of substances such as alcohol and drugs. Drug users under the age of 20 have increased from a mere 5% in 1996 to 25% in 2004 according to a study conducted in the Western Cape by the Medical Research Council. Another noted problem was that, compared to other provinces, a greater proportion of young people in the Western Cape seem to have started drinking before the age of 13 (Johannes, 2005). Therefore there is a great need for interventions to be developed and implemented in communities where substance use/abuse is rife and particular attention needs to be focused on children in order to maintain prevention measures of using substances before these substances become abused.

## **Child prostitution or survival sex**

Research that has been conducted in South Africa, and particularly in Cape Town, have found that the child-sex tourism industry is increasingly organized whereby children are either abducted and forced into prostitution, or exploited by their parents to earn income for their families (LaborNews, 1996).

In a study into child prostitution conducted at schools in the Western Cape, the issue of what is commonly referred to as “survival sex” was highlighted. Children from those schools studied were being prostituted by either their families or as a result of being abandoned with no source of income (LaborNews, 1996). Child prostitution and survival sex constitute an additional form of abuse or area of vulnerability for children. Children may be forced by poverty into exchanging sex for money in order to survive (Perschler-Desai, 2001) or be forced by gangs into prostitution (Molo Songololo, 2000). Children are often introduced to hard drugs like cocaine to ensure their co-operation with their gangster pimps who also supply them with drugs, or are beaten into submission. In rural areas children are sent to shebeens, migrant-labour hostels and to farm workers who pay either in cash or with food (LaborNews, 1996). In the Western Cape in one of the research studies conducted, in considering the seriousness of this situation, an eight-year old boy reported that he was being prostituted by his family as their only source of income.

In this situation the children, particularly girls but including boys, are at additional risk of contracting HIV, but it will also impact on their social and personal development. A lack of adult protection due to death, desertion or adult inadequacy renders them more vulnerable to this form of exploitation (Perschler-Desai, 2001).

## **Community problems and abuse of children**

The problems of violence in communities relate to crime, the presence of gangs, civil and political violence, child abuse, sexual violence and domestic violence (Standing, 2003; Anderson & Mhatre, 2003). Gender and domestic violence, against the mothers and girl children, constitutes a particular problem as it impacts directly on homes and thus on children in their homes (Jackson, 1997, Hunter, 1990). Substance use, both alcohol and increasingly illegal drugs, has been and is a consistent problem across South Africa, both in communities and homes (Parry, 1997; Leggett, 2001; Ryan, 1997). The abuse of children looks especially at those who deliberately try to extract benefit from the child, at the child's expense. Abuse takes many forms including sexual, physical or emotional abuse, plus abuse of grants, and use of children for labour (Richter & Higson-Smith, 2004). Child prostitution and survival sex constitute additional forms of abuse, and thus vulnerability for children (Perschler-Desai, 2001; Molo Songololo, 2000).

## **Overall Vulnerability of Children**

Many of the factors contributing to vulnerability in children do overlap. So if a child is vulnerable in one context, they are more likely to be vulnerable in other contexts. Children who have lost their parents to HIV/AIDS, are also more likely to become part of a household that is overcrowded. In turn they are more likely to be subjected to stigma and disease themselves. These should not be considered additive, but would compound the problems and opportunities for children to find safe spaces for healing and integration, and to allow for the development of coping strategies. Likewise poverty is a stressor that links

to poor access to resources, services and exposure to heightened levels of pollution, violence and substance abuse.

The severity and the period of the vulnerability, plus the long term potential for reducing or negating the point(s) of vulnerability, need to be considered. The actual impact of orphan hood as a result of HIV/AIDS, plus the other sources of vulnerability do need to be more thoroughly examined. Children are known to be highly resilient and develop coping strategies in even the most difficult circumstances. These protections need to be considered in a separate paper.

### **What does this mean for planning for the care of children?**

There are a number of distinct implications of these vulnerabilities for public policy, especially in the areas of public health and social development. Children are not only affected by HIV/AIDS, but by a myriad of factors as outlined above. All of these have the potential of making children vulnerable. The situation has to be examined holistically. A particular implication is that the number of OVC is far higher than the number of orphans likely to result from HIV/AIDS. Increasing disparities of income and difficulties in accessing services are likely especially amongst those most directly affected by HIV/AIDS.

To be able to adequately understand the interaction of vulnerabilities and the multiple vulnerabilities that exist a new and fuller set of indicators will be required for social measurement. All the factors above need to be addressed and the interaction between them acknowledged. There also exists the possibility of hidden populations of suffering. Child-headed households are already difficult to trace and bring into the community. As these

households rise, there is a chance that they will fall out of the catchments for services and measurement. Other potential hidden populations include victims of sexual, physical and sexual abuse; and children living in farms and areas that are not that are not easily accessible by service providers. It is important to note that adults are often needed to provide protection and to facilitate access to services.

Solutions will have to be broad and therefore impact on a systemic basis. This may require considerable rethinking of the delivery of services and methods of accessing assistance. Considerable additional resources will be required, particularly as many of these children will have already lost trust in the existing systems and tend to shy away from contact.

### **Framing of questions**

The overall questions that need to be answered are firstly, what single or constellations of factors exist that render a child vulnerable, and thereby place limits on his/her development. Drawing on this the follow-up question is, how can these threats be addressed, or once having happened, how can their impact be reduced or negated? As is clear from the discussion above these questions are extremely complex and require research to look at the contexts in which children find themselves, factors inherent to children as well as the systems of care and protection that can be put in place. This piece of research is directed at the contexts in which children live, and seeks to ascertain how threats to vulnerability group together.

## **Aims and objectives**

The aim of the research is to look at how a set of contextual threats influencing vulnerability in children group together.

Specifically, this research will look at issues of vulnerability in children aged 6-14 in Kanana to ascertain how their responses to survey of the psychosocial problems that they face group into factors. Within this the following questions will be addressed:

- To look at the interactions between different vulnerability threats.
- To establish factors that bring together different threats of vulnerability into common areas to assess if this provides additional understanding as to what is happening to children who can be considered vulnerable.

## **Methodology**

This thesis draws on data generated within a larger study of looking at the development of best practices for the care of orphaned and vulnerable children in three countries in Southern Africa, namely Botswana, South Africa and Zimbabwe. The W. K. Kellogg Foundation provided funding to the HSRC to lead a five-year study examining needs of children during the HIV/AIDS epidemic and to develop best practice interventions for the care of OVC, as well as households and communities providing care to these affected children. In each country two sites were selected as sites for detailed research and for the implementation of interventions to be evaluated as potential best practice interventions. Research tasks undertaken as part of this project included a situation analysis, qualitative interviews, a census survey, a directed survey of psychosocial situation of OVC and in one a district a behaviour and sero-prevalence study was done. These studies informed both

intervention plans being developed to assist OVC and indicators for monitoring and evaluation.

This thesis used data generated by the psychosocial survey for children aged 6-14 years in Kanana, a community attached to Orkney in the North West Province. The original aims of the survey was to examine biographical characteristics, including orphanhood status, food intake, psychosocial issues including household relationships, risk taking, decision making and emotional well-being.

Before going into detail about factor analysis it is important to define the statistical more clearly; “factor analysis looks at the relationships among variables as expressed by their correlations or covariances. .... Factor analysis seeks to explain the relationship among the variables. The assumption of the model is that the relationships may be explained by a few unobserved variables, which will be called factors. It is hope that fewer factors the original number of variables will be needed to explain the relationships among the variables. Thus, conceptually, one may simplify the understanding of the correlations between the variables.” (Belle, Fisher, Heagerty and Lumley, 2004, p599)

## **Sample**

The sample was randomly drawn from a sampling frame of households that included at least one vulnerable child. This list of households containing at least one vulnerable child was drawn from a census survey done in Kanana (Jooste, et al, 2005). A household was considered to contain a vulnerable child if it contained at least one orphan, or was considered vulnerable on the basis of access to medical facilities, adequacy of clothing, serious illness in the household, adequacy of school uniforms, and contained a person with

a disability. A sample of 1000 households was selected. When approached up to three people were interviewed; including the primary caregiver, plus one person each from the age groups 6-14 years and 15-18 years. If there was more than one person within an age group, a Kish's Grid (Kish, 1965) was used to randomly select a person. The sample sizes for the survey used in this analysis was 550 children, which constituted a response rate of 89.3%.

### **Outline of Kanana**

Kanana Township is part of the City Council of Klerksdorp, a major gold mining area of the North West province. Historically the community was an apartheid defined township, so remains almost exclusively African, although a broad range of languages are spoken there. It is close to a number of large towns. A variety of housing structures exist in Kanana ranging from informal settlements, old hostels for migrant workers that have recently been transformed into dwelling units for families, formal houses with four rooms in the 'old township', new RDP houses which have indoor toilets and bathrooms, and new houses with more rooms for the relatively affluent. The informal settlements in Kanana use some communal taps and bucket toilets. The road infrastructure in Kanana is mostly underdeveloped, particularly among the informal settlements. Kanana has nine primary schools, one intermediate school and four secondary schools. The schools are distributed throughout the township. There are two clinics in Kanana. The unemployment rate in the southern district of Klerksdorp stood at 40.1% in 2002/2003. Over half (55%) of the people of working age are not gainfully employed. The number of employed people has decreased from approximately 113 500 in 1996 to just under 96 000 in 2001 (Statistics South Africa, 2003). The level of poverty is also very high. The media has reported on township residents, including small children, who on a daily basis collect food and other

things from a rubbish dump near Kanana. Community members describe the level of crime as very high. Robbery is the most common type of crime. Furthermore, like other areas with a high unemployment rate and poverty, the level of alcohol use is also very high. At the time of the survey being done 16% of population received grants, 24.2% pensions, 63.5% child grants, 9.1% disability grants and 1.9% foster grants. Women constitute 40.7% of all household heads, while 0.2% of household heads are 14-18. The 2001 census showed that in Kanana 1304 children (5.4%) under 18 years had lost their mothers and 3206 (3.2%) had lost their fathers. (Stats SA, 2003). The census survey of Kanana showed 12 984 households, including 50 984 residents, with an average of 3.93 people per household. The mean age of the population was 25.6 years, with 40.1% of the population being children and 10.4% being under 5. Women constituted 53% of the population.

The HIV prevalence for North West Province in 2004 was found to be 10.9% in 2002 in the national sero-prevalence study (Shisana, Rehle, Simbayi, et al, 2005). The prevalence for the 15-49 age group was 18%, which is the age group that is most likely to have or be having children over the next 10 years (Shisana, Rehle, Simbayi, et al, 2005). Prevalence among women in public antenatal care was found to be 31.8% (confidence levels 28.4 – 35.2) in the North West Province in 2005 (DoH, 2005).

## **Questionnaire**

The questionnaires used were adapted with changes from a set used by SCOPE and Family Health International for a similar project in Zambia. So the validity and reliability of the instrument had been previously established (SCOPE and FHI, 2001). While these questionnaires are not directly suited to the questions, in that they do not cover the full

breadth of the material that is being raised here, they could provide considerable insight into factors affecting children's development.

Topics addressed in the questionnaire for 6-14 year olds were: demographics, education experiences, relationship to the head of the household, mobility, food intake, psychosocial issues and access to support services. (Simbayi, Kleintjies, Ngomane et al., 2006) Full questionnaires are available in Appendix 1. All the questionnaires were translated, and back-translated to ensure accuracy, into local languages for the purposes of administration, including isiXhosa, seSotho and Afrikaans.

The interviewers were extensively trained prior to entering the field and received ongoing supervision throughout the fieldwork. These supervisors also maintained quality control, which was reinforced by visits from the principal researchers on an ongoing basis. A pilot study was conducted in advance to check for problems with the research instruments and the administration of the survey.

### **Analytic plan**

The analysis is divided into a number of phases as outlined below. The questionnaire used in the study was examined against the criteria provided above for what could constitute a contributor to vulnerability in children. From this an initial set of variables were extracted. All statistical analysis was done using STATA. The details of the analysis are provided in appendix 2.

### Preparation of datasets

The databases first required cleaning, i.e. removing errors and irrelevant codes (including responses of “don’t know” and “no response”). While there were not many of these codes in the dataset there was a strong potential that they would have disrupted the analysis as they were coded with “88” and “99” respectively, as against 1-4 which was as high as most of the other responses went, and would have become influential outliers. These were manually deleted by sorting the responses to each variable and deleting the irrelevant responses.

One additional variable to give the total number of children in the house was generated by combining two existing variables looking at the number of boys and girls in the house. This was to provide a measure of crowding in the household.

As result of fieldwork error and skip patterns within the questionnaire there was a considerable amount of missing data. For example, in the Kanana data for the age group, this reduced the sample size available for the factor analysis from 810 to 92 respondents. To correct for this and increase the number of respondents available, those variables with the greatest amount of missing data were removed. This was done progressively from those with the most missing data until a compromise acceptable sample for analysis of 329 was obtained. The check on the number of respondents was done by running factor analyses calculations for the sets of variables that were being considered at each point.

### Descriptive statistics

The descriptive analyses included frequency counts of responses to key variables, generating summary statistics on relevant variables, running of bar graphs particularly to

check the nature of the distributions and doing a Pearson's correlation of the all the variables selected for inclusion in the study. The latter two are also tests of the assumptions of the factor analysis model and provide indications for the appropriateness of the analysis.

### Factor analysis

A number of the assumptions required for the calculation of a factor analysis were not met by the data set. Most particularly the variables were not continuous, but were mostly ordinal, with 3 categories, or categorical, with a binary response, in nature. This put distinct limitations as Pearson's correlations cannot be done reliably as required as part of the factor analysis method. However, the factor analysis method can still be done, but the results have to be interpreted on an exploratory basis.

A further problem was that many of the ordinal variables were not normally distributed as is shown in the tables in the results section below. Many of these were highly skewed to the left or right. This further compromised the analysis process and means that the data had to be interpreted on an even more hesitant basis.

An initial factor analysis was done. From the initial factors those factors that explained most of the common variance were selected using Eigen values and the factor analysis was repeated for those selected factors. Two rotations of the factors were then performed, first a varimax rotation and then an oblique (or promax) rotation to see whether a better fit could be found for these factors. Those variables that did not load sufficiently onto any of the factors were removed from the analysis and the factor analysis with the two rotations was repeated. There were two phases to the deletion of variables. The final analysis

including stratifying the dataset on the basis of gender to assess if this altered the factors that were generated. Given that the interpretation of the results is more exploratory, all the analyses and rotations will be considered in drawing conclusions.

### **Ethical considerations**

This research received ethical approval from the ethical review board at the University of the Witwatersrand, as a part of the review of the larger study. All respondents completed a written consent form prior to the interview and were told that they could stop the interview at any point if they began to feel uncomfortable. All records are confidential and no names or personally identifying data appeared on any of the questionnaires.

## Results

The original set of variables selected for use in the factor analysis is listed in table 1 below. The basis for the selection of each of these variables is not covered here for reasons of space, but each connects to one of the constructs in the definition in the literature review above as drawn from the paper by Skinner et al (2006).

Table 1: Lists of variables selected for inclusion in the factor analysis

Variable	Response types
Attending school	yes\no
Failed a grade at school	yes\no
Child's mother is alive	yes\no (no includes desertion)
Child's father is alive	yes\no (no includes desertion)
House financial resources	4 options on an ordinal scale from insufficient for basics to having money for luxuries
Meals child has per day	Ordinal scale 1 - 4
Dominant water source	3 distinct options
Child moved to new household	yes\no
Someone has moved into house	yes\no
Child happy in the house	4 options, ordinal scale from very happy to very sad
Have scary dreams	3 options in ordinal scale from often to never
Feel unhappy	3 options in ordinal scale from often to never
Feel happy	3 options in ordinal scale from often to never
Get into fights	3 options in ordinal scale from often to never
Prefer to play alone	3 options in ordinal scale from often to never
Feel worried	3 options in ordinal scale from often to never
Refuse to eat	3 options in ordinal scale from often to never
Feel frustrated	3 options in ordinal scale from often to never
Become angry	3 options in ordinal scale from often to never
Feel hopeful	3 options in ordinal scale from often to never
Feel afraid new of new situations	3 options in ordinal scale from often to never
Have trouble sleeping	3 options in ordinal scale from often to never
Difficult to make new friends	3 options in ordinal scale from often to never
Feel like running away	3 options in ordinal scale from often to never
Children in household with you	yes\no
Children in community with you	yes\no
Do children treat you badly	yes\no
Your guardian treat you badly	yes\no
Adult in community talk to you	yes\no
How happy do you feel now	5 options, ordinal scale from very happy to very sad
Guardian comfort you	yes\no
Guardian looks away	yes\no
Guardian speaks kind words	yes\no
Guardian encourages me	yes\no
Number of children in house	numerical scale (created from 2 other variables)

## Descriptive statistics

A summary of descriptive analysis is provided below. The totals for each question vary due to missing data. The sample contained 385 males (47.5%) and 425 females (52.5%). The dominant languages spoken were Sesotho (55.64%), Setswana (22.05%), isiXhosa (16.60%), isiZulu (2.41%) and Sepedi (1.77%). The age range of the sample is shown in table 2 below. Sixteen of the children (2.11%) identified themselves as the head of their household.

Table 2: Age distribution of the full sample

Age	Frequency	Percentage	Cumulative percentage
6	72	9.24	9.24
7	90	11.55	20.80
8	78	10.01	30.81
9	76	9.76	40.56
10	85	10.91	51.48
11	79	10.14	61.62
12	99	12.71	74.33
13	100	12.84	87.16
14	100	12.84	100.00
<b>TOTAL</b>	<b>7799</b>	<b>100.00</b>	

Orphan status is a key issue of vulnerability among children. In this sample 12.3% of children were maternal orphans, 23.9% were paternal orphans and 5% were double orphans. The losses of the fathers may be due to them deserting their families in Kanana and returning home to their families in the rural areas after completing their contract as a migrant worker on the mines.

School attendance was good with 705 (89.2%) reporting attendance at school. Two hundred and twenty nine (32%) reported having failed a grade at school. The financial resources of the household are summarized in three variables. The household situation was described by 589 (76.3%) and not having enough money even for basics like food and

clothing, and 172 (22.3%) stating they had money for food and clothes, but were short of many other important things. Twenty five (3.2%) stated that they had only one meal a day and 292 (37%) had two meals a day. Only 91 (11,5%) had access to water in their home, 597 (75.3%) had a tap in their yard and 105 (13.2%) had access water from a communal tap.

The total number of children in each household varied from 1 to 11, with an average of just over 3 children per household. Eighty nine children (12.9%) reported having 5 or more children living in their household. Ninety two (13.1%) reported having moved into another household and 53 (9%) reported having a child move into their household.

Almost all (98%) of children reported being happy in their household. The mental health problems reported by the children are summarized in table 3 below.

Table 3: Mental health symptoms of the children surveyed

Symptom	Frequently	Sometimes	Never
Scary dreams	45 (5.8%)	404 ( 51,7%)	333 (42,6%)
Feel unhappy	54 (7%)	439 (56.7%)	282 (36.4%)
Happy	443 (56.9%)	290 (37.2%)	46 (5.9%)
Get into fights	57 (7.3%)	317 (40.8%)	403 (51.9%)
Plays alone	36 (4.7%)	249 (32.4%)	484 (62.9%)
Feel worried	33 (4.3%)	359 (47.1%)	371 (48.6%)
Refuses to eat	17 (2.2%)	219 (28.2%)	542 (69.7%)
Feel frustrated	51 (7%)	316 (43.1%)	367 (50%)
Become angry	49 (6.3%)	417 (53.9%)	308 (39.8%)
Feel hopeful	190 (29.2%)	234 (36%)	226 (34.8%)
Afraid of new situations	37 (5.2%)	277 (39%)	397 (55.8%)
Trouble falling asleep	40 (5.1%)	305 (39%)	437 (55.9%)
Difficulty making friends	35 (4.5%)	134 (17.2%)	610 (78.3%)
Feel like running away	13 (1.7%)	41 (5.4%)	713 (93%)

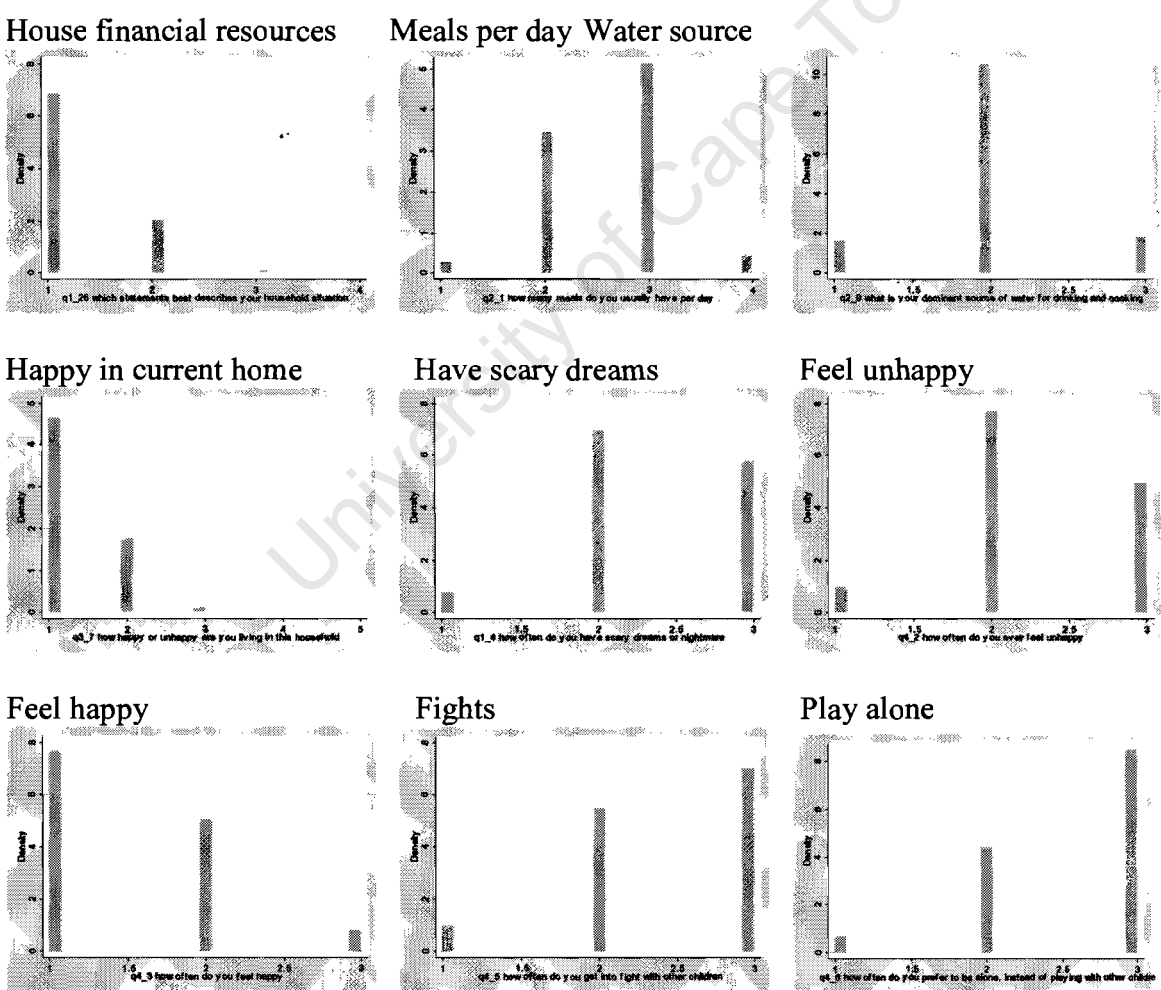
On the issue of stigma 6.6% reported that other children in their household did not want to play with them, 2.5% that children in the community would not play with them, 5.7% that children in their household treat them badly, 10.6% that they guardian treats them badly,

and 3.1% that adults in the community do not talk to them. In relation to their guardian 92.5% reported that their guardian comforted them, 8.9% that the guardian looked away when they talked, and 63.1% that the guardian spoke to them using kind words.

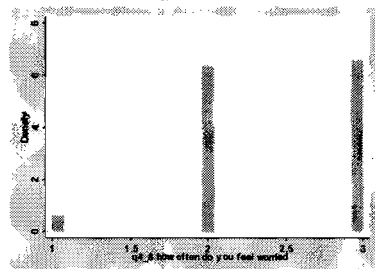
Set of histograms for variables in factor analysis

The graphs in figure 1 below indicate the overall distribution of the variables for those which have at least options for response. Many of the variables are skewed, which also puts limitations on the factor analysis.

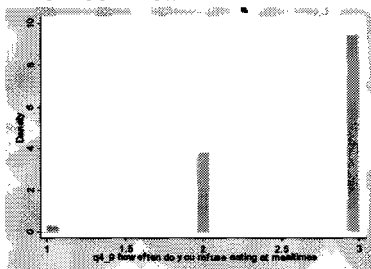
Figure 1: Distribution of the variables for inclusion in the factor analysis



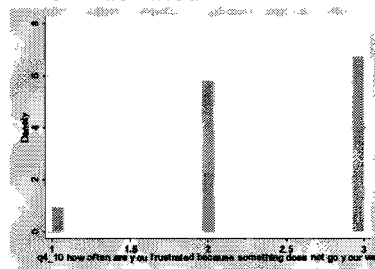
Feel worried



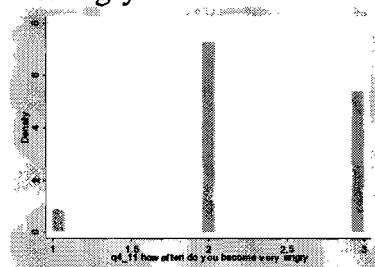
Refuse to eat



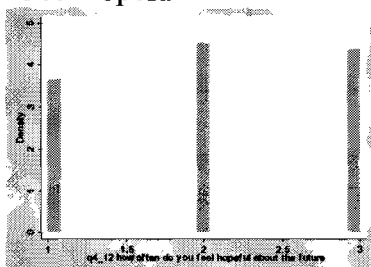
Feel frustrated



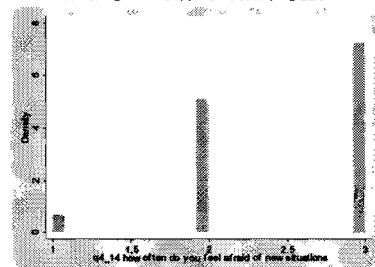
Get angry



Feel hopeful



Afraid of new situations



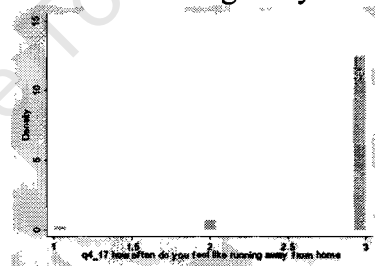
Have trouble sleeping



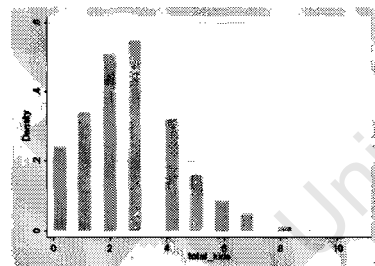
Hard to make friends



Feel like running away



No. of kids in the house



The correlations shown in table 4 below are lower than expected and technically correlations should not be done on binary or even ordinal data with only three options, but do provide some exploratory indicators. These correlations were not tested for having a significant probability as the variables are not continuous. The highest correlations were found between the variables relating to mental health, and the correlation relating to loss of mother and father, which makes intuitive sense given the nature of the HIV epidemic.

Table 4: Correlations between variables being considered for factor analysis

	<b>mother~e</b>	<b>father~e</b>	<b>house~ey</b>	<b>happy ~e</b>	<b>scary ~s</b>	<b>unhappy</b>	<b>happy</b>
mother_alive	1.0000						
father_alive	0.2013	1.0000					
house_money	-0.0455	-0.0620	1.0000				
happy_in_h~e	0.0268	0.0002	-0.0464	1.0000			
scary_dreams	0.0097	0.0362	0.0661	-0.0866	1.0000		
unhappy	-0.0124	0.0264	0.0666	-0.0940	0.3283	1.0000	
happy	0.0681	0.0502	-0.1281	0.0336	0.0534	-0.0398	1.0000
play_alone	-0.0761	-0.0419	-0.0511	-0.0744	0.1841	0.2537	-0.0826
fight	0.0145	0.0471	-0.1037	-0.0329	0.1502	0.1922	0.0260
feel_worried	-0.0292	-0.0819	0.0178	-0.1400	0.3306	0.4734	-0.1174
refuse_eat~g	0.0012	0.0469	-0.0403	-0.0621	0.1654	0.2011	-0.0297
frustrated	0.0129	0.0251	-0.0828	-0.1231	0.2120	0.3384	0.0419
angry	-0.0371	0.0363	-0.0042	-0.0805	0.2245	0.3583	-0.0085
hopeful	0.0004	-0.0720	-0.1777	-0.0049	0.0271	0.0446	0.2696
afraid_new	-0.0043	0.0290	-0.0464	-0.0834	0.2498	0.2949	-0.0040
trouble_sl~g	-0.0016	0.0367	0.0011	-0.0796	0.3693	0.2629	-0.0379
hard_make ~s	-0.0052	-0.0111	-0.0181	-0.0929	0.1844	0.2111	-0.0226
running_away	-0.0680	-0.0112	-0.0101	-0.1293	0.1174	0.1966	-0.0789
guardian_t~t	-0.0124	-0.0355	0.0067	-0.0245	0.0504	0.1144	0.0432
stigma_adu~k	0.1141	0.0676	-0.0017	0.0141	-0.0093	-0.0592	-0.0162
total_kids	0.0559	-0.0220	0.0602	0.0321	-0.0833	-0.1191	0.0113
	<b>play_a~e</b>	<b>fight</b>	<b>feel_w~d</b>	<b>refuse~g</b>	<b>frustr~d</b>	<b>angry</b>	<b>hopeful</b>
play_alone	1.0000						
fight	0.1645	1.0000					
feel_worried	0.3349	0.2031	1.0000				
refuse_eat~g	0.2327	0.1136	0.1909	1.0000			
frustrated	0.3078	0.1952	0.4310	0.2846	1.0000		
angry	0.3027	0.3186	0.4198	0.2041	0.4551	1.0000	
hopeful	0.0755	-0.0326	0.1028	0.1120	0.2803	0.1664	1.0000
afraid_new	0.2691	0.1818	0.3393	0.1528	0.3326	0.3150	0.0870
trouble_sl~g	0.2515	0.1681	0.3165	0.2560	0.2783	0.3219	0.0441
hard_make ~s	0.2794	0.0554	0.2576	0.1576	0.2474	0.1990	0.0917
running_away	0.1913	0.0647	0.1941	0.1931	0.2010	0.1879	0.0307
guardian_t~t	0.0612	0.0203	0.1134	0.0473	0.0690	0.1082	-0.0103
stigma_adu~k	-0.0043	0.0080	-0.0976	-0.0298	-0.1003	0.0098	-0.0367
total_kids	-0.0382	-0.0884	-0.0046	-0.0500	-0.0177	-0.1021	0.0136
	<b>afraid~w</b>	<b>troubl~g</b>	<b>hard_m~s</b>	<b>runnin~y</b>	<b>gaurdi~t</b>	<b>stigma~k</b>	<b>total ~s</b>
afraid_new	1.0000						
trouble_sl~g	0.3445	1.0000					
hard_make ~s	0.3399	0.2950	1.0000				
running_away	0.1691	0.2508	0.2257	1.0000			
guardian_t~t	0.0556	0.0908	0.1263	0.1277	1.0000		
stigma_adu~k	-0.0161	-0.0695	-0.0415	-0.1589	-0.0894	1.0000	
total_kids	-0.0782	-0.0352	-0.0097	-0.0177	0.0861	-0.0101	1.0000

## **Factor analysis results**

The factor analysis results are presented in the order in which the analyses were done. The first set of analyses was done on a reduced set of variables as the missing data limited the quality of the analyses that could be done.

### Factor analysis of all variables

After removing those variables with excessive missing data a factor analysis was conducted on 26 variables out of the original 35 variables selected from the questionnaire. The set of variables used were “Attending school, Failed a grade at school, Child’s mother is alive, Child’s father alive, House financial resources, Meals child has per day, Dominant water source, Child happy in the house, Have scary dreams, Feel unhappy, Feel happy, Get into fights, Prefer to play alone, Feel worried, Refuse to eat, Feel frustrated, Become angry, Feel hopeful, Feel afraid new of new situations, Have trouble sleeping, Difficult to make new friends, Feel like running away, Your guardian treat you badly, Adult in community talk to you, Guardian comfort you, and Number of children in house”.

The full set of factors generated from the 329 respondents included in the analysis is shown in table 5 below. Based on the Eigen values in this initial run of the factor analysis the remainder of the factor analysis focused on three factors. These three factors accounted for 91.8% of the common variance. Three factors were included despite the Eigen value less than 1 for factors 2 and 3 as this analysis was more exploratory in nature and these factors were felt to contribute to the understanding of the data.

Table 5: Results for initial run of the factor analysis

Factor	Eigen value	Difference	Proportion	Cumulative p
1	3.76472	2.91416	0.6433	0.6433
2	0.85056	0.09324	0.1453	0.7887
3	0.75732	0.26610	0.1294	0.9181
4	0.49121	0.04334	0.0839	1.0020
5	0.44787	0.05329	0.0765	1.0786
6	0.39458	0.04925	0.0674	1.1460
7	0.34533	0.07464	0.0590	1.2050
8	0.27069	0.06904	0.0463	1.2513
9	0.20165	0.04185	0.0345	1.2857
10	0.15980	0.01546	0.0273	1.3130
11	0.14434	0.02877	0.0247	1.3377
12	0.11557	0.06003	0.0197	1.3574
13	0.05555	0.01833	0.0095	1.3669
14	0.03721	0.02952	0.0064	1.3733
15	0.00769	0.05184	0.0013	1.3746
16	-0.04414	0.03238	-0.0075	1.3671
17	-0.07653	0.07416	-0.0131	1.3540
18	-0.15069	0.00575	-0.0257	1.3282
19	-0.15644	0.03595	-0.0267	1.3015
20	-0.19239	0.00969	-0.0329	1.2686
21	-0.20208	0.02603	-0.0345	1.2341
22	-0.22812	0.01907	-0.0390	1.1951
23	-0.24719	0.02646	-0.0422	1.1529
24	-0.27364	0.01297	-0.0468	1.1061
25	-0.28661	0.04772	-0.0490	1.0571
26	-0.33433	.	-0.0571	1.0000

The loadings of each of the variables on the three listed factors are outlined below. The scores in the uniqueness column are unusually high, but this was expected as the variables are not continuous so reducing the power of the Pearson's correlation method. To facilitate reading of the table those loadings that are greater than 0.4 are in bold, more than 0.2 and less than 0.4 are underlined. Where a variable loads on two factors, the second or lower loading is italicized. Again it is unusual to note loadings as low as 0.2, but given the exploratory nature of the analysis and the problems with the nature of the variables, this was felt to be appropriate in this instance. These figures were not selected on the basis of any intrinsic value attached to the loading, but to facilitate a pictorial representation of the data.

The three factors that emerged tied in with three distinct constructs or areas of potential vulnerability. Factor 1 mainly incorporated variables that covered the negative mental health problems faced by children, with the exception of the variable covering whether the child was happy in the house, which loaded negatively. But there would be overlap between these variables and the mental health constructs. Factor two focused on the variables of the child's perception of this own happiness and hope for the future and the economic situation in the household indicating an important connection between these variables. Factor three incorporated the child's orphan status linking this to stigma measures including treatment by the guardian and other adults in the community and the measure of crowding in the household.

Table 6: The factor loadings of variables on the 3 selected factors

Variable	Factor 1	Factor 2	Factor 3	Uniqueness
attend ed	0.07060	-0.04269	-0.08601	0.98580
failed grade	0.13406	0.14827	-0.12990	0.94317
mother alive	-0.08830	0.08417	<u>0.35839</u>	0.85668
father alive	-0.05727	0.09535	<u>0.36758</u>	0.85251
house money	0.03451	<u>-0.35428</u>	-0.08847	0.86547
meals per ~y	0.04324	-0.17236	0.07405	0.96294
water source	-0.07733	-0.07822	-0.06889	0.98316
happy in h~e	<u>-0.27196</u>	0.02636	-0.06889	0.98316
scary dreams	<b>0.45722</b>	-0.07564	0.16049	0.75948
unhappy	<b>0.59541</b>	-0.11734	0.00275	0.63171
happy	0.08847	<b>0.50093</b>	-0.05183	0.73855
play alone	<b>0.53987</b>	-0.04772	-0.00594	0.70623
fight	<u>0.34432</u>	0.11234	0.19161	0.83211
feel worried	<b>0.67575</b>	-0.08480	-0.08585	0.52881
refuse eat~g	<u>0.35142</u>	-0.08092	-0.05084	0.86737
frustrated	<b>0.68116</b>	0.15001	-0.04690	0.51132
angry	<b>0.68602</b>	0.06378	0.08712	0.51772
hopeful	<u>0.21140</u>	<b>0.52487</b>	-0.13728	0.66097
afraid new	<b>0.54567</b>	0.05392	0.19848	0.65995
trouble sl~g	<b>0.57730</b>	-0.06156	0.12212	0.64802
hard make ~s	<b>0.53392</b>	-0.11020	0.00634	0.70275
running away	<u>0.33566</u>	-0.10638	-0.18911	0.84025
guardian t~t	<u>0.22183</u>	-0.00600	<u>-0.28955</u>	0.86691
stigma adu~k	-0.07915	0.03215	<u>0.30635</u>	0.89885
comfort you	-0.09756	-0.08480	0.11918	0.96909
total kids	-0.11445	0.09486	<u>-0.23053</u>	0.92476

The factors were then rotated using both a varimax and promax rotation. These results are reported in tables 7 and 8 respectively. A number of changes were found to the values of the loadings in some of the factors, but the variables still loaded on the same factors. The variables where the factor loadings increased after the rotations included loss of mother and father, having scary dreams, being hopeful, having trouble sleeping, being afraid of new situation and treatment by the guardian. In the promax rotation the variable getting into fights also increased its loading. Those variables where the loadings decreased included the financial security in the household, being happy in their current household, being frustrated, wanting to run away and the total number of children in the household. In the promax rotation the loading on the variables feeling worried and refusing to eat also reduced. The only systematic changes that appears here is that the loadings on factor one seemed to heighten the value of the mental health problems. In factor two, the loading on hope increased as the negative loading on financial situation decreased. For factor three the connection between orphan status and treatment by the guardian increased, but the connection with the total number of children in the house decreased.

Table 7: Rotated Factor Loadings using a varimax rotation

Variable	1	2	3	Uniqueness
attend_ed	0.06504	-0.02013	-0.09782	0.98580
failed_grade	0.11162	0.18018	-0.10912	0.94317
mother_alive	-0.06033	0.00885	<u>0.37364</u>	0.85668
father_alive	-0.02938	0.02062	<u>0.38236</u>	0.85251
house_money	0.04926	<u>-0.32775</u>	-0.15711	0.86547
meals_per ~y	0.06100	-0.17900	0.03607	0.96294
water_source	-0.07806	-0.07013	-0.07637	0.98316
happy_in h~e	<u>-0.26169</u>	-0.01702	0.13556	0.91285
scary_dreams	<b>0.47397</b>	-0.06661	0.10696	0.75948
unhappy	<b>0.59953</b>	-0.06698	-0.06612	0.63171
happy	0.05050	<b>0.50737</b>	0.03837	0.73855
play_alone	<b>0.53901</b>	-0.00171	-0.05696	0.70623
fight	<u>0.35239</u>	0.10253	0.18220	0.83211
feel_worried	<b>0.66910</b>	-0.01216	-0.15282	0.52881
refuse_eat~g	<u>0.34980</u>	-0.04124	-0.09258	0.86737
frustrated	<b>0.66275</b>	<i>0.21102</i>	-0.07015	0.51132
angry	<b>0.68550</b>	0.10213	0.04408	0.51772
hopeful	0.16324	<b>0.55665</b>	-0.05022	0.66097
afraid_new	<b>0.55690</b>	0.06043	0.16206	0.65995
trouble_sl~g	<b>0.58885</b>	-0.03594	0.06277	0.64802
hard_make ~s	<b>0.53829</b>	-0.06565	-0.05645	0.70275
running_away	<u>0.32311</u>	-0.04183	<u>-0.23152</u>	0.84025
guardian_t~t	0.19424	0.06582	<u>-0.30171</u>	0.86691
stigma_adu~k	-0.05263	-0.03171	<u>0.31204</u>	0.89885
comfort_you	-0.08047	-0.11306	0.10795	0.96909
total_kids	-0.14107	0.12629	-0.19848	0.92476

Table 8: Rotated Factor Loadings using a promax rotation

Variable	1	2	3	Uniqueness
attend ed	0.05194	-0.02081	-0.09773	0.98580
failed grade	0.08818	0.17927	-0.10884	0.94317
mother alive	-0.00657	0.00914	<u>0.37739</u>	0.85668
father alive	0.02524	0.02055	<u>0.38684</u>	0.85251
house money	0.04108	<u>-0.32863</u>	-0.15720	0.86547
meals per ~y	0.07439	-0.18001	0.03836	0.96294
water source	-0.08636	-0.06924	-0.07879	0.98316
happy in h~e	<u>-0.24219</u>	-0.01416	0.13204	0.91285
scary dreams	<b>0.49425</b>	-0.07234	0.11836	0.75948
unhappy	<b>0.59511</b>	-0.07397	-0.05445	0.63171
happy	0.03382	<b>0.50749</b>	0.03837	0.73855
play alone	<b>0.53281</b>	-0.00791	-0.04662	0.70623
fight	<u>0.37569</u>	0.09837	0.19159	0.83211
feel worried	<b>0.64990</b>	-0.01978	-0.14106	0.52881
refuse eat~g	<u>0.33945</u>	-0.04526	-0.08650	0.86737
frustrated	<b>0.64568</b>	<u>0.20370</u>	-0.05809	0.51132
angry	<b>0.68996</b>	0.09426	0.05848	0.51772
hopeful	0.13191	<b>0.55563</b>	-0.04923	0.66097
afraid new	<b>0.57989</b>	0.05385	0.17552	0.65995
trouble sl~g	<b>0.60178</b>	-0.04291	0.07585	0.64802
hard make ~s	<b>0.53499</b>	-0.07195	-0.04592	0.70275
running away	<u>0.29247</u>	-0.04539	-0.22785	0.84025
guardian t~t	0.14814	0.06400	<u>-0.30196</u>	0.86691
stigma adu~k	-0.00601	-0.03150	<u>0.31525</u>	0.89885
comfort you	-0.06006	-0.11241	0.10809	0.96909
total kids	-0.17607	0.12835	<u>-0.20444</u>	0.92476

### Factor analysis with less-relevant variables removed

A number of variables which did not load onto any of the factors and had uniqueness ratings greater than 0.94 were dropped from the analysis and the factor analysis was run again. The number of observations increased to 371 with the dropping of five variables. The variables dropped were attendance at school, having failed a grade, number of meals per day, dominant water source and whether the guardian comforts the child. In the new analysis only two factors were retained as these provided a cumulative explanation of the common variance of 94.1%.

Table 9: Analysis of principal factors

Factor	Eigen value	Difference	Proportion	Cumulative
1	3.73420	2.98244	0.7833	0.7833
2	0.75176	0.15279	0.1577	0.9410
3	0.59897	0.27445	0.1256	1.0666
4	0.32452	0.03689	0.0681	1.1347
5	0.28764	0.02074	0.0603	1.1950
6	0.26690	0.05147	0.0560	1.2510
7	0.21543	0.09998	0.0452	1.2962
8	0.11545	0.02247	0.0242	1.3204
9	0.09298	0.05179	0.0195	1.3399
10	0.04119	0.04709	0.0086	1.3486
11	-0.00590	0.02276	-0.0012	1.3473
12	-0.02866	0.03312	-0.0060	1.3413
13	-0.06178	0.04945	-0.0130	1.3283
14	-0.11123	0.02312	-0.0233	1.3050
15	-0.13435	0.01696	-0.0282	1.2768
16	-0.15131	0.01133	-0.0317	1.2451
17	-0.16265	0.05496	-0.0341	1.2110
18	-0.21760	0.02509	-0.0456	1.1653
19	-0.24269	0.01501	-0.0509	1.1144
20	-0.25770	0.03010	-0.0541	1.0604
21	-0.28780	.	-0.0604	1.0000

In this factor analysis calculation, the first factor remains dominant as it was in the initial analysis. The major change comes in factor 2, as this now appears to be a combination of factors 2 and 3 in the analysis above, incorporating the variables orphan status, house financial situation and happiness variables into factor 2. It is important to note from this analysis that orphan status appears to be related to a poorer economic situation and to less happiness. The findings were similar when the varimax and promax rotations were done. The changes in values that were found in the first factor analysis did not reappear here.

Table 10: Factor Loadings

Variable	1	2	Uniqueness
mother_alive	-0.08645	0.30784	0.89776
father_alive	-0.01863	0.32697	0.89274
house_money	-0.00386	-0.33515	0.88766
happy_in_h~e	-0.29889	0.09887	0.90089
scary_dreams	<b>0.47604</b>	0.00692	0.77333
Unhappy	<b>0.57486</b>	-0.09097	0.66126
Happy	0.07005	0.36764	0.85994
play_alone	<b>0.54172</b>	-0.06664	0.70210
Fights	0.33287	0.24085	0.83119
feel_worried	<b>0.67198</b>	-0.11828	0.53446
refuse_eat~g	0.34692	-0.05830	0.87625
Frustrated	<b>0.68503</b>	0.08976	0.52268
Angry	<b>0.66348</b>	0.06138	0.55603
Hopeful	0.20669	0.28703	0.87489
afraid_new	<b>0.54638</b>	0.16039	0.67575
trouble_sl~g	<b>0.61247</b>	0.01143	0.62475
hard_make~s	<b>0.50985</b>	-0.05186	0.73737
running_away	0.38436	-0.14428	0.83145
gaurdian_t~t	0.19904	-0.14335	0.93983
stigma_adu~k	-0.08247	0.18868	0.95760
total_kids	-0.13759	-0.07027	0.97613

Table 11: Varimax Rotated Factor Loadings

Variable	1	2	Uniqueness
mother_alive	-0.08935	0.30701	0.89776
father_alive	-0.02171	0.32678	0.89274
house_money	-0.00070	-0.33517	0.88766
happy_in_h~e	-0.29981	0.09605	0.90089
scary_dreams	<b>0.47596</b>	0.01140	0.77333
Unhappy	<b>0.57569</b>	-0.08555	0.66126
Happy	0.06658	0.36828	0.85994
play_alone	<b>0.54232</b>	-0.06154	0.70210
Fights	0.33058	0.24398	0.83119
feel_worried	<b>0.67306</b>	-0.11194	0.53446
refuse_eat~g	0.34745	-0.05503	0.87625
Frustrated	<b>0.68415</b>	0.09621	0.52268
Angry	<b>0.66287</b>	0.06763	0.55603
Hopeful	0.20397	0.28897	0.87489
afraid_new	<b>0.54484</b>	0.16553	0.67575
trouble_sl~g	<b>0.61234</b>	0.01720	0.62475
hard_make~s	<b>0.51031</b>	-0.04706	0.73737
running_away	0.38571	-0.14065	0.83145
gaurdian_t~t	0.20038	-0.14147	0.93983
stigma_adu~k	-0.08425	0.18790	0.95760
total_kids	-0.13692	-0.07156	0.97613

Table 12: Promax Rotated Factor Loadings

Variable	1	2	Uniqueness
mother_alive	-0.08458	0.30531	0.89776
father_alive	-0.01660	0.32648	0.89274
house_money	-0.00596	-0.33533	0.88766
happy_in_h~e	-0.29846	0.08993	0.90089
scary_dreams	<b>0.47639</b>	0.02119	0.77333
unhappy	<b>0.57466</b>	-0.07375	0.66126
happy	0.07239	0.36981	0.85994
play_alone	<b>0.54164</b>	-0.05041	0.70210
fight	0.33459	0.25088	0.83119
feel_worried	<b>0.67167</b>	-0.09815	0.53446
refuse_eat~g	0.34678	-0.04791	0.87625
frustrated	<b>0.68603</b>	0.11032	0.52268
angry	<b>0.66429</b>	0.08129	0.55603
hopeful	0.20862	0.29329	0.87489
afraid_new	<b>0.54773</b>	0.17681	0.67575
trouble_sl~g	<b>0.61294</b>	0.02980	0.62475
hard_make~s	<b>0.50985</b>	-0.03658	0.73737
running_away	0.38371	-0.13278	0.83145
guardian_t~t	0.19827	-0.13741	0.93983
stigma_adu~k	-0.08135	0.18625	0.95760
total_kids	-0.13812	-0.07441	0.97613

#### Factor analysis with the second set of variables with high uniqueness scores removed

From the above factor analyses the variables covering treatment by guardian, experiences of stigma by adults in the community not wanting to talk to the child, and the measure of the total number of children in the household score badly. However, the treatment by the guardian did load on factor 1 for the varimax rotation so was retained while the other two variables were removed and the analysis repeated. This again excluded all variables which had a uniqueness score of greater than 0.94. For this analysis the number of observations included in the analysis rose again to 425. Based on the initial analysis, two factors, which explained 98.7% of the common variance, were retained.

Table 13: Analysis of principal factors

Factor	Eigen value	Difference	Proportion	Cumulative
1	3.59758	2.95127	0.8363	0.8363
2	0.64631	0.13346	0.1502	0.9865
3	0.51285	0.17648	0.1192	1.1057
4	0.33637	0.07013	0.0782	1.1839
5	0.26624	0.07227	0.0619	1.2458
6	0.19397	0.06492	0.0451	1.2909
7	0.12906	0.06461	0.0300	1.3209
8	0.06445	0.01807	0.0150	1.3358
9	0.04638	0.06531	0.0108	1.3466
10	-0.01893	0.03731	-0.0044	1.3422
11	-0.05624	0.02100	-0.0131	1.3291
12	-0.07724	0.04488	-0.0180	1.3112
13	-0.12212	0.02250	-0.0284	1.2828
14	-0.14462	0.00687	-0.0336	1.2492
15	-0.15149	0.02433	-0.0352	1.2140
16	-0.17583	0.03296	-0.0409	1.1731
17	-0.20879	0.03831	-0.0485	1.1246
18	-0.24710	0.04170	-0.0574	1.0671
19	-0.28880	.	-0.0671	1.0000

The removal of the additional variables did not make much difference to the results. Most significantly the loading on orphan status reduced considerably. Again there was little change in the loadings when the factors were rotated. The variable loss of mother dropped out of the range used to identify key variables, but in reality this was only a drop of 0.05 in the loading. These changes may imply that factors 2 and 3 may have separated again, which cannot be looked at as only 2 factors entered the analysis. The variable looking at hope for the future showed a slight increase in loading.

Table 14: Factor Loadings on the 2 selected factors

Variable	1	2	Uniqueness
mother_alive	-0.06585	<u>0.20041</u>	0.95550
father_alive	0.00252	0.19753	0.96098
house_money	-0.02649	<u>-0.36426</u>	0.86661
happy_in_h~e	<u>-0.24703</u>	0.05043	0.93643
scary_dreams	<b>0.48478</b>	-0.07697	0.75906
Unhappy	<b>0.57977</b>	-0.07836	0.65772
Happy	0.05451	<b>0.40871</b>	0.82999
play_alone	<b>0.51100</b>	-0.11522	0.72560
Fights	<u>0.32191</u>	0.16127	0.87037
feel_worried	<b>0.66390</b>	-0.14023	0.53957
refuse_eat~g	<u>0.35374</u>	-0.02055	0.87444
Frustrated	<b>0.67712</b>	0.12320	0.52633
Angry	<b>0.65937</b>	0.02648	0.56453
Hopeful	<i>0.24162</i>	<u>0.37346</u>	0.80215
afraid_new	<b>0.53437</b>	0.14596	0.69314
trouble_sl~g	<b>0.60979</b>	-0.03058	0.62722
hard_make~s	<b>0.47590</b>	-0.04169	0.77178
running_away	<u>0.39867</u>	-0.07857	0.83489
gaurdian_t~t	0.17969	-0.08897	0.95980

Table 15: Varimax Rotated Factor Loadings

Variable	1	2	Uniqueness
mother_alive	-0.08005	0.19517	0.95550
father_alive	-0.01166	0.19720	0.96098
house_money	-0.00029	<u>-0.36522</u>	0.86661
happy_in_h~e	<u>-0.25001</u>	0.03258	0.93643
scary_dreams	<b>0.48905</b>	-0.04201	0.75906
Unhappy	<b>0.58390</b>	-0.03657	0.65772
Happy	0.02506	<b>0.41157</b>	0.82999
play_alone	<b>0.51795</b>	-0.07828	0.72560
fights	<u>0.30951</u>	0.18394	0.87037
feel_worried	<b>0.67225</b>	-0.09225	0.53957
refuse_eat~g	<u>0.35431</u>	0.00488	0.87444
frustrated	<b>0.66654</b>	0.17144	0.52633
angry	<b>0.65577</b>	0.07370	0.56453
hopeful	<i>0.21421</i>	<u>0.38983</u>	0.80215
afraid_new	<b>0.52253</b>	0.18391	0.69314
trouble_sl~g	<b>0.61041</b>	0.01323	0.62722
hard_make~s	<b>0.47766</b>	-0.00745	0.77178
running_away	<b>0.40328</b>	-0.04978	0.83489
gaurdian_t~t	0.18561	-0.07586	0.95980

Table 16: Promax Rotated Factor Loadings

Variable	1	2	Uniqueness
mother_alive	-0.09317	0.19621	0.95550
father_alive	-0.02488	0.19780	0.96098
house_money	0.02419	-0.36620	0.86661
happy_in_h~e	-0.25231	0.03430	0.93643
scary_dreams	<b>0.49209</b>	-0.04531	0.75906
unhappy	<b>0.58662</b>	-0.04049	0.65772
happy	-0.00252	<b>0.41251</b>	0.82999
play_alone	<b>0.52344</b>	-0.08187	0.72560
fights	<u>0.29733</u>	0.18241	0.87037
feel_worried	<b>0.67874</b>	-0.09689	0.53957
refuse_eat~g	<u>0.35414</u>	0.00258	0.87444
frustrated	<b>0.65535</b>	0.16755	0.52633
angry	<b>0.65113</b>	0.06962	0.56453
hopeful	0.18818	<u>0.38947</u>	0.80215
afraid_new	<b>0.51044</b>	0.18099	0.69314
trouble_sl~g	<b>0.60980</b>	0.00928	0.62722
hard_make~s	<b>0.47838</b>	-0.01059	0.77178
running_away	<b>0.40680</b>	-0.05254	0.83489
guardian_t~t	0.19078	-0.07727	0.95980

### Factor analysis by gender

The data set was stratified by gender to assess if this made a difference to the nature of the factors generated and the loadings on these factors. The data set used was the one before the second set of variables were dropped. Given the exploratory nature of the analysis it was felt to be important to retain the factor of crowding. Analyses were done on the other two versions of the datasets, but the one used was found to produce the most useful results.

### Girls

The factor analysis for the girls in the sample incorporated 193 respondents. This was less than the total number of girls in the sample due to missing values. After the analysis three factors were retained, which explained 95% of the common variance. The third factor had a very low Eigen value and contributed only an effective 0.05 to the common variance.

Table 17: Analysis of principal factors

Factor	Eigen value	Difference	Proportion	Cumulative
1	4.25034	3.40526	0.7108	0.7108
2	0.84508	0.27603	0.1413	0.8521
3	0.56905	0.08904	0.0952	0.9473
4	0.48001	0.02725	0.0803	1.0275
5	0.45276	0.06979	0.0757	1.1033
6	0.38296	0.06415	0.0640	1.1673
7	0.31882	0.13115	0.0533	1.2206
8	0.18766	0.04924	0.0314	1.2520
9	0.13842	0.05114	0.0231	1.2752
10	0.08728	0.01921	0.0146	1.2898
11	0.06807	0.07283	0.0114	1.3011
12	-0.00476	0.08194	-0.0008	1.3003
13	-0.08670	0.02704	-0.0145	1.2858
14	-0.11374	0.02011	-0.0190	1.2668
15	-0.13385	0.04413	-0.0224	1.2444
16	-0.17798	0.02642	-0.0298	1.2147
17	-0.20440	0.01501	-0.0342	1.1805
18	-0.21941	0.03717	-0.0367	1.1438
19	-0.25658	0.03195	-0.0429	1.1009
20	-0.28853	0.02622	-0.0483	1.0526
21	-0.31476	.	-0.0526	1.0000

With this analysis the three original factors returned, but the loadings were much higher, especially on orphan status. However for the girls stigma and crowding in the household did not load onto this factor. Again there was very little difference between the original loadings and those produced when the factors were rotated, although the loadings on parental status and being hopeful for the future did improve on both rotations.

Table 18: Analysis of Factor Loadings

Variable	1	2	3	Uniqueness
mother_alive	-0.17063	0.17634	<b>0.47409</b>	0.71503
father_alive	0.00469	<i>0.21445</i>	0.36096	0.82370
house_money	-0.02580	<b>-0.51001</b>	0.08375	0.73221
happy_in_h~e	<u>-0.37950</u>	0.04979	0.05885	0.85004
scary_dreams	<b>0.51574</b>	-0.14324	0.10843	0.70174
unhappy	<b>0.58884</b>	-0.19564	0.03458	0.61380
happy	0.07997	<b>0.42700</b>	-0.04541	0.80921
play_alone	<b>0.51772</b>	-0.00011	<i>-0.24995</i>	0.66949
fight	<b>0.42392</b>	<i>0.20100</i>	0.05893	0.77642
feel_worried	<b>0.67341</b>	-0.08481	0.04091	0.53765
refuse_eat~g	<b>0.43697</b>	0.02961	-0.03256	0.80712
frustrated	<b>0.70577</b>	0.14953	0.03847	0.47805
angry	<b>0.64648</b>	-0.07957	0.02068	0.57530
hopeful	<i>0.20179</i>	<u>0.34098</u>	-0.17184	0.81349
afraid_new	<b>0.58435</b>	<i>0.20890</i>	0.00672	0.61485
trouble_sl~g	<b>0.62654</b>	-0.05900	0.16764	0.57586
hard_make~s	<b>0.59138</b>	-0.05100	-0.05985	0.64408
running_away	<b>0.49069</b>	-0.07939	0.15656	0.72841
guardian_t~t	<u>0.20578</u>	-0.02379	0.01107	0.95696
stigma_adu~k	-0.08735	-0.11680	0.09004	0.97062
total_kids	-0.18429	-0.02487	0.15463	0.94151

Table 19: Varimax Rotated Factor Loadings

Variable	1	2	3	Uniqueness
mother_alive	-0.11389	0.02623	<b>0.52088</b>	0.71503
father_alive	0.04017	0.11168	<b>0.40276</b>	0.82370
house_money	0.02443	<b>-0.51378</b>	-0.05677	0.73221
happy_in_h~e	<u>-0.36986</u>	-0.00944	0.11434	0.85004
scary_dreams	<b>0.53514</b>	-0.10895	0.00375	0.70174
Unhappy	<b>0.60065</b>	-0.13181	-0.08969	0.61380
Happy	0.04069	<b>0.43012</b>	0.06427	0.80921
play_alone	<b>0.47532</b>	0.12231	<i>-0.29937</i>	0.66949
Fights	<b>0.41185</b>	<i>0.22398</i>	0.06159	0.77642
feel_worried	<b>0.67679</b>	-0.01788	-0.06320	0.53765
refuse_eat~g	<b>0.42443</b>	0.08502	-0.07423	0.80712
Frustrated	<b>0.69094</b>	<i>0.21101</i>	-0.00511	0.47805
Angry	<b>0.64693</b>	-0.01054	-0.07791	0.57530
Hopeful	0.14928	<u>0.39413</u>	-0.09428	0.81349
afraid_new	<b>0.56216</b>	<i>0.26288</i>	-0.00491	0.61485
trouble_sl~g	<b>0.64668</b>	-0.03147	0.07035	0.57586
hard_make~s	<b>0.57894</b>	0.03187	-0.14049	0.64408
running_away	<b>0.51254</b>	-0.06307	0.07012	0.72841
guardian_t~t	<u>0.20645</u>	-0.00305	-0.02010	0.95696
stigma_adu~k	-0.06467	-0.14517	0.06420	0.97062
total_kids	-0.15798	-0.08460	0.16241	0.94151

Table 20: Promax Rotated Factor Loadings

Variable	1	2	3	Uniqueness
mother alive	0.00193	0.03232	<b>0.53481</b>	0.71503
father alive	0.11857	0.11191	<b>0.42116</b>	0.82370
house money	0.09306	<b>-0.52491</b>	-0.05166	0.73221
happy in h~e	<u>-0.35099</u>	0.00840	0.09426	0.85004
scary dreams	<b>0.56718</b>	-0.13712	0.04133	0.70174
Unhappy	<b>0.61597</b>	-0.16362	-0.05135	0.61380
Happy	-0.01123	<b>0.43646</b>	0.06483	0.80921
play alone	<u>0.39764</u>	0.10150	<u>-0.28123</u>	0.66949
Fights	<b>0.40159</b>	<u>0.20826</u>	0.08947	0.77642
feel worried	<b>0.68228</b>	-0.05120	-0.01990	0.53765
refuse eat~g	<b>0.40446</b>	0.06599	-0.04963	0.80712
Frustrated	<b>0.67424</b>	0.18144	0.03898	0.47805
Angry	<b>0.64701</b>	-0.04225	-0.03734	0.57530
Hopeful	0.06846	<u>0.39448</u>	-0.09265	0.81349
afraid new	<b>0.53395</b>	<u>0.24058</u>	0.02989	0.61485
trouble sl~g	<b>0.68506</b>	-0.06357	0.11739	0.57586
hard make ~s	<b>0.55576</b>	0.00428	-0.10763	0.64408
running away	<b>0.55239</b>	-0.08924	0.10844	0.72841
gaurdian t~t	<u>0.20755</u>	-0.01317	-0.00695	0.95696
stigma adu~k	-0.02820	-0.14483	0.06418	0.97062
total kids	-0.11035	-0.07853	0.15953	0.94151

### Boys

The results below are for the boys in the sample. The dataset used was taken from the same dataset as that for the girls. This analysis incorporated 178 respondents. Again the sample size was reduced due to missing values. Three factors were retained again, which in this case explained 91% of the common variance.

Table 21: Analysis of principal factors

Factor	Eigen value	Difference	Proportion	Cumulative
1	3.37874	2.35103	0.5959	0.5959
2	1.02771	0.27448	0.1813	0.7772
3	0.75323	0.23134	0.1329	0.9100
4	0.52190	0.09510	0.0921	1.0021
5	0.42680	0.04678	0.0753	1.0774
6	0.38003	0.06549	0.0670	1.1444
7	0.31453	0.08651	0.0555	1.1999
8	0.22802	0.03548	0.0402	1.2401
9	0.19254	0.05663	0.0340	1.2741
10	0.13592	0.05783	0.0240	1.2980
11	0.07809	0.01732	0.0138	1.3118
12	0.06076	0.12042	0.0107	1.3225
13	-0.05965	0.03088	-0.0105	1.3120
14	-0.09053	0.04052	-0.0160	1.2960
15	-0.13105	0.01817	-0.0231	1.2729
16	-0.14922	0.04314	-0.0263	1.2466
17	-0.19236	0.05504	-0.0339	1.2127
18	-0.24740	0.01459	-0.0436	1.1690
19	-0.26199	0.08160	-0.0462	1.1228
20	-0.34359	0.00919	-0.0606	1.0622
21	-0.35278	.	-0.0622	1.0000

The boys produced some interesting differences to the girls. Firstly the second and third factors were changed in the order of appearance, which would signify their different levels of importance. The Eigen values were also higher for both than for the girls alone, but the Eigen value for factor 1 was much lower. In addition, in what is factor 2 for the boys, the variables covering stigma and household crowding now received much higher loadings. The varimax and promax rotations produced only small changes to the loadings on any of the variables.

Table 22: Factor Loadings

Variable	1	2	3	Uniqueness
mother_alive	0.01033	<b>0.45958</b>	-0.00956	0.78859
father_alive	-0.04889	<b>0.44031</b>	-0.04994	0.80124
house_money	0.03931	-0.09490	<u>-0.39022</u>	0.83718
happy_in_h~e	-0.21454	0.09043	0.01642	0.94553
scary_dreams	<b>0.42545</b>	0.28908	-0.20533	0.69327
unhappy	<b>0.56749</b>	0.04050	-0.08122	0.66972
happy	0.06504	0.18542	<b>0.40374</b>	0.79839
play_alone	<b>0.59443</b>	-0.04630	-0.11062	0.63227
fight	<u>0.21286</u>	0.27462	0.05895	0.87580
feel_worried	<b>0.68060</b>	-0.14134	-0.02824	0.51601
refuse_eat~g	<u>0.25349</u>	-0.05067	-0.07686	0.92727
frustrated	<b>0.68354</b>	-0.04095	0.14869	0.50899
angry	<b>0.68631</b>	0.04075	0.13931	0.50791
hopeful	<u>0.21867</u>	0.01111	<b>0.52181</b>	0.67978
afraid_new	<b>0.49730</b>	0.09249	-0.07250	0.73888
trouble_sl~g	<b>0.60109</b>	0.04648	-0.01083	0.63641
hard_make~s	<b>0.41191</b>	0.10852	-0.11548	0.80521
running_away	<u>0.26876</u>	<u>-0.28623</u>	0.02643	0.84514
guardian_t~t	<u>0.21478</u>	<u>-0.30627</u>	0.00399	0.86005
stigma_adu~k	-0.09377	<u>0.35373</u>	0.03228	0.86504
total_kids	-0.06109	<u>-0.24277</u>	0.17225	0.90766

Table 23: Varimax Rotated Factor Loadings

Variable	1	2	3	Uniqueness
mother_alive	0.00781	<b>0.45720</b>	0.04815	0.78859
father_alive	-0.05021	<b>0.44297</b>	0.00410	0.80124
house_money	0.05012	-0.04531	<u>-0.39782</u>	0.83718
happy_in_h~e	<u>-0.21544</u>	0.08709	0.02182	0.94553
scary_dreams	<b>0.42895</b>	0.31361	-0.15616	0.69327
unhappy	<b>0.56918</b>	0.05185	-0.06028	0.66972
happy	0.05329	0.13371	<b>0.42532</b>	0.79839
play_alone	<b>0.59740</b>	-0.03052	-0.09955	0.63227
fight	<u>0.20959</u>	<u>0.26568</u>	0.09845	0.87580
feel_worried	<b>0.68195</b>	-0.13488	-0.02739	0.51601
refuse_eat~g	<u>0.25572</u>	-0.04000	-0.07575	0.92727
frustrated	<b>0.67963</b>	-0.05737	0.16070	0.50899
angry	<b>0.68216</b>	0.02487	0.16166	0.50791
hopeful	<u>0.20481</u>	-0.05357	<b>0.52479</b>	0.67978
afraid_new	<b>0.49847</b>	0.10216	-0.04702	0.73888
trouble_sl~g	<b>0.60088</b>	0.04908	0.01118	0.63641
hard_make~s	<b>0.41415</b>	0.12320	-0.08995	0.80521
running_away	<u>0.26969</u>	<u>-0.28657</u>	-0.00230	0.84514
guardian_t~t	<u>0.21644</u>	<u>-0.30379</u>	-0.02851	0.86005
stigma_adu~k	-0.09671	<u>0.34668</u>	0.07364	0.86504
total_kids	-0.06414	<u>-0.26254</u>	0.13890	0.90766

Table 24: Promax Rotated Factor Loadings

Variable	1	2	3	Uniqueness
mother_alive	0.00568	<b>0.45718</b>	0.04265	0.78859
father_alive	-0.05549	<b>0.44340</b>	-0.00344	0.80124
house_money	0.02249	-0.04501	<u>-0.39747</u>	0.83718
happy_in_h~e	<u>-0.21562</u>	0.08848	0.01331	0.94553
scary_dreams	<b>0.41534</b>	0.31114	-0.14618	0.69327
unhappy	<b>0.56604</b>	0.04825	-0.04152	0.66972
happy	0.08212	0.13271	<b>0.42753</b>	0.79839
play_alone	<b>0.59256</b>	-0.03426	-0.07893	0.63227
fight	<i>0.21401</i>	<u>0.26422</u>	0.10272	0.87580
feel_worried	<b>0.68379</b>	-0.13931	-0.00211	0.51601
refuse_eat~g	<u>0.25161</u>	-0.04155	-0.06674	0.92727
frustrated	<b>0.69391</b>	-0.06207	0.18582	0.50899
angry	<b>0.69552</b>	0.02017	0.18580	0.50791
hopeful	<i>0.24350</i>	-0.05576	<b>0.53522</b>	0.67978
afraid_new	<b>0.49544</b>	0.09901	-0.03132	0.73888
trouble_sl~g	<b>0.60297</b>	0.04516	0.03143	0.63641
hard_make~s	<b>0.40754</b>	0.12068	-0.07765	0.80521
running_away	<i>0.27387</i>	<u>-0.28839</u>	0.01081	0.84514
guardian_t~t	0.21880	<u>-0.30523</u>	-0.01715	0.86005
stigma_adu~k	-0.09601	<u>0.34727</u>	0.06610	0.86504
total_kids	-0.05124	<u>-0.26241</u>	0.14082	0.90766

## Discussion

The information presented above shows more about the gaps in information about the situation for children and the need for directed research on issues of vulnerability. The literature review presented clear information on established areas such as infant and under 5 mortality rates and infection levels in certain diseases. Gaps do exist here and require the application of greater resources to cover the arena more fully. However, the impact of poverty, disability and access to services is less clear, with there being problems in the definition of the constructs. Tighter definitions of these constructs would enhance reporting and allow for better quality research. The problems in the areas of child abuse, impact of domestic and community violence, and mental health issues show very poor information and very little is really known. There are distinct difficulties in collecting information in these areas and much of the reporting is hidden. As can be seen from the information presented in the literature there is an over reliance of case study reporting and on narrative accounts without real information on incidence.

The above factor analysis attempts to examine a range of variables that constitute potential threats to children from a community survey to see if these group into specific factors for the purposes of a clearer account of the nature of vulnerability in children. The differences between the information from the literature review and variables in the factor analysis show the problems in the research arena, and the need to greater clarity. The definition that was presented in the beginning of the thesis provides some basis for the future organisation of work, but is also only the start as the definition itself is too broad to really define a future research and policy agenda.

From the emerging literature in the area, the construct of vulnerability in children is new and requires greater information and explanation. The concept has risen in importance in response to the additional threat that the HIV epidemic raises for children and to avoid the sensationalizing of orphan hood as an issue. The factor analysis was done on a survey dataset from a community known to have a high prevalence of HIV and many threats to children. All of the households were considered to contain at least one vulnerable child or to be an environment that could generate vulnerability in children, on the basis of a previous survey. As such it provides a good basis for this exploratory research agenda. The large number of problems with the data set are laid out in the methods and acknowledged below, but given that this is an exploratory approach it does provide some potentially important insights.

Within the different analyses a number of factors arise. This varied between two or three factors depending on the number of variables that were included and the stratification of the data. The first factor covering dominantly mental health issues was consistent throughout the analysis. This factor incorporated loadings from a range of mental health problems that were measured in the survey including anxiety symptoms such as having bad dreams and feeling worried, depressive symptoms such as trouble sleeping and feeling unhappy and problems of social integration such as playing alone and having trouble making friends. The variable looking at whether they were happy in the house that they lived in was also incorporated here and would probably have overlapped with the depressive and anxiety symptoms. This collection of variables into a factor would have been expected as they all relate to common mental health problems. Factor 1 can be termed a mental health factor as it constitutes both an impact of previous threats and

events in the child's life, and if these problems are left unattended and the child unassisted, a threat to the child's future development.

A second factor covered feelings of happiness and hopefulness, which were related negatively to the financial situation in the household. This appeared to be the opposite of aspects of factor 1 and tied the threat of financial poverty to the potential to hope for a better future. The better the financial situation the child is in, the happier they are and the more hope they have. It is significant that these two of the mental health variables separated off from factor 1 covering mental health to load on a different factor, which probably relates to their difference in focus, i.e. happiness and hopefulness as against mental health problems. Importantly, hopefulness did also load on factor 1 on some occasions, but more weakly than on factor 2. This factor which can be referred to as happiness and financial security indicates the importance of money and the major impact that poverty has on the viewpoint, emotional status and hope or potential for the future that a child sees.

The third factor focused on the orphan status of the child and their acceptance in their home and community. This factor did not always appear, and its inconsistency may have been related to the fact that less than half of the children were orphans. As the number of variables reduced, this factor combined with factor 2 and then disappeared in the next analysis. Where it did appear, the variables loading on it were loss of father or mother, being involved in fights, treatment by the guardian and in some cases stigmatizing behaviour in the community and over crowding in the their household. The latter would have related primarily to children who had moved into new households leading to

potential overcrowding in their new home. This factor which can be referred to as orphan hood and stigma was weaker than the others.

When factor 2 and 3 did combine as they did on the factor analysis for the whole sample when some of the variables were removed, the issues of stigma and crowding no longer loaded on joint factor. When the latter were taken out of the analysis the loss of the parents no longer loaded. This may relate to the connections between these variables, rendering the last of the analyses on the full sample less relevant. It is however significant that stigma and orphan hood did not load on factor 1 for mental health and that stigma did not load on factor 2 for happiness. This potentially indicates that these are distributed in a different pattern, although caution must be taken as orphan hood was a binary variable, and only about 40% of the sample was orphans.

The stratification by gender produced interesting and important changes to the factor analysis. There were variations between the two genders particularly in relation to the third factor as described above. For boys stigma and crowding seemed to be much more important. From this perspective it may be important to look stratifying the sample in terms of other demographic variables, such as by age.

Overall the analysis did produce some interesting insights on vulnerability in children. The connections between mental health issues were expected, although some variation across these issues would also have been expected. The connection between financial status and being happy and hopeful is important and reinforces the importance of poverty relief and of economic realities in how children perceive themselves and their future. Finally, although the connections of orphan status to stigma, treatment by the guardian and

crowding were weak, this may be due to the smaller number of orphans in the sample. A sub analysis that reflects just the orphans in the sample may strengthen this response.

## **Strengths and Limitations**

There are a number of serious problems with this research and analysis. The survey questionnaire was not generated with the aim of explicating the definition of vulnerability so not all the constructs core to the definition of vulnerability are raised. The problem of using a dataset that was not designed for this analysis, is that there is incomplete coverage of all of the items.

Additional problems for the analysis raised by the data set include the high levels of missing data which arose from skip patterns, meaning that some of the questions directed at orphans only could not be incorporated into the analysis, a number of the responses of “don’t know” could not be incorporated into the analysis and there were fieldwork errors which left questions unanswered. This led to gaps in information and a large number of potentially important variables had to be excluded from the analysis as they contained too many missing data points. Finally, factor analysis generally requires continuous data, while almost all of the survey data was ordinal or binary. This restricted the functioning of the Pearson’s correlation analysis and meant that the analysis had to be exploratory in nature.

The potential for the factor analysis results to be generalised is obviously limited, both by the restricted geographical area in which the work was done, and the limitations of the analysis as listed above. Much of the research on children is currently done on a local basis. Even the large research study from which this information was drawn had

limitations in generalisability. Much of this is inevitable as the conditions which children face are often localised and context specific. Over time a national picture will have to develop based on the intersections of these studies.

One additional limitation of this thesis is the lack of direct connection between the literature review and the factor analysis. Part of this is that the survey on which the factor analysis was based did not address many of the issues in the literature review. So these should be seen as complementing each other rather than directing interacting and informing one another. The principle factor covering mental health issues is still poorly researched in epidemiological terms, although work done recently on differences between orphans and non orphans by Cluver et al (2007) and Wild et al (2005) are providing some important information in this arena. The issue of poverty is well researched and its connection to health is well established in the epidemiological literature, but its connection to mental health, happiness and hopefulness was raised as important and requires further examination. Hope is important to the development of aspirations and the capacity of people to work their way out of their restricted circumstances. The final factor linking stigma to orphan hood is well described, although again not on an epidemiological level.

While this study has distinct limitations, it is novel work and is potentially opening a new area of work. It is beginning to see children as holistic and affected by a multiple threats rather than just looking at their risk on individual threats. It is part of a new approach of looking at the threats of children that is being taken up by a range of research bodies such as the Human Sciences Research Council and the Children's Institute at the University of Cape Town. By looking at children holistically, a better understanding of vulnerability

will be obtained and on the positive side a better understanding of how and where to intervene to facilitate giving children better opportunities.

### **Further research**

The work here and the larger research project constitute one of the earlier attempts at looking at vulnerability in children in what is becoming a very congested academic area. The definition and the literature raise their own clear areas for further research and health interventions so the discussion here will focus on the factor analysis. One of the problems of a congested area such as this is that clarity of concepts and uniformity between research projects is often lost. Factor analysis and other advanced statistical techniques provide one route for going forward and finding clarity. An advantage of the high amount of research is that a large number of data sets are being generated. It would certainly be beneficial to repeat these analyses on other datasets to see if similar results are obtained. This requires little additional effort on the part of the researchers, and could provide considerable additional insights and focuses for intervention.

From the above findings the issues and connections between the factors outlined above need to be further examined. Specifically, the connections between mental health symptoms, the connection between financial security and happiness and hope, and the connection between orphan hood and stigma will benefit from this. All these factors produce interesting and important research directions especially factors 2 and 3, which were less expected in advance.

In addition to these analyses more focused research is required on exactly what these issues of vulnerability are, how they intersect and what interventions and policies are

required to assist children and provide protection against the threats. This research needs to get beyond the broad descriptive work to more analytic approaches, and intervention development and evaluation. In a more focused study the universe of factors influencing vulnerability in children could be examined. Finally research needs to focus on how it can be used to develop interventions and influence policy. There are considerable concerns already on the gaps between research and policy (Shisana and Louw, 2006).

The connections between the mental health issues suggest a need for holistic approaches rather than individual focuses on different symptoms or syndromes as outlined in the standard mental health texts. These cannot however ignore the connections to contextual factors. The overlapping connections to factor two and the specific content focussing on hope and access to adequate income strongly implies a connection between mental health and context especially for these children. Stigma remains a crucial issue and requires addressing wherever it is raised, whether on the basis of race, gender, life context or any other factor.

## Conclusion

Children in many communities are clearly potentially vulnerable from a range of threats ranging from illness including mental health problems, to contextual factors such as poverty, community issues such as violence and substance, to direct issues such as child abuse and discrimination, and to having inadequate care and support in their development phase. From the above discussion it is clear that at this point we have insufficient information to really understand the problem completely. This generates the need for further research as outlined above and beyond the limits of that brief discussion. In addition there is a need for clear and present action. Much can already be done to address issues of health, on which a considerable amount is already known, and poverty where we are aware of impacts, even if a fuller knowledge may raise even further problems. From the above the dominating influence of context for the child requires clear and directed consideration, research and intervention. One caution is not to assume that children have no strengths. This issue was not explored in the above discussion and does warrant very serious consideration for action and for the development of interventions, particularly childhood resilience.

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## Appendix 1

### Psychosocial Questionnaire for children 6-14

#### KELLOGG'S OVC CARE INTERVENTIONS PROJECT

#### Orphans and Vulnerable Children (OVC) Psycho-Social Issues Questionnaire

#### For 6 – 14 Year Olds

#### INTERVIEW DETAILS

	Year		Month		Day		Start Time <sup>1</sup>			End Time			Response**
	0	4	0	2			:			:			
First visit	0	4	0	2			:			:			
Second visit	0	4	0	2			:			:			
Third visit	0	4	0	2			:			:			

Interviewer's Name \_\_\_\_\_

**Have You Obtained Written Consent?**

Yes	No
1	2

#### REFUSAL PARTICULARS IF NO WRITTEN CONSENT OBTAINED

a. At what point did the respondent refuse?

SPECIFY .....

You do not have to give any reasons but if you would like to tell us it will help us.

b. What was the reason for the refusal?

SPECIFY.....

--	--

- 1 = Interview completed
- 2 = Interview not completed
- 3 = Appointment made for interview
- 4 = Selected respondent not at home
- 5 = Refusal by head of household
- 6 = Refusal by respondent
- 7 = Other

- 1 = At the gate or door
- 2 = After explanation of the survey and the process
- 3 = After the first respondent has been identified (before interview)
- 4 = During the individual interview
- 5 = After individual interview
- 6 = Other (detailed codes to be provided later)

**Reason Codes:**

Upfront refusals

- 01 = Too busy to grant interview
- 02 = Not available now
- 03 = Too late in the evening
- 04 = Not willing to participate in any survey/interview
- 05 = Objected to the topic of the survey (HIV/AIDS)
- 06 = Objected to being interviewed by the specific interviewer
- 07 = Afraid
- 08 = Fear a breach of confidentiality
- 09 = Government not doing enough for him/her
- 10 = Discovered it was for the Blair Research Laboratories/BRTI
- 11 = Violence and gangsterism in area

**Refusals during individual interview:**

- 20 = Objected to provide any/some information on the topic
- 21 = Objected to provide personal/confidential information
- 22 = Unable to provide requested information
- 23 = Refused to continue because he/she got irritated/bored
- 24 = Refused to continue because he/she got angry
- 25 = Refused to continue because he/she lost interest or got tired
- 26 = Refused to continue because he/she was in a hurry

**Supervisor's Full Name**

---

**Signature**

---

**Date**

---

**\*CIRCLE THE CODE NEXT TO THE APPROPRIATE ANSWER, IF INDICATED, READ THE ANSWER OPTIONS.**

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## SECTION 1. BIOGRAPHICAL DATA OF THE RESPONDENT:

### I AM FIRST GOING TO ASK YOU A NUMBER OF QUESTIONS ABOUT YOURSELF

1.1 How old are you (completed years)

Years		
-------	--	--

1.2 Sex of respondent

Male	Female
1	2

1.3 Race group

African	White	Coloured	Indian	Other
1	2	3	4	5

1.4 Are you the head of the household?

Yes	No
1	2

1.5 What is your nationality?

South African	Zimbabwean	Botswana	Do not know	Other (Specify)
1	2	3	4	5

What is your home language? Language spoken most often at home.

1.6

01	Afrikaans	02	English	03	Isindebele
04	IsiSwati	05	Isixhosa	06	Isizulu
07	Sesotho sa borwa	08	Sepedi	09	Setswana
10	Tshivenda	11	Xitsonga	12	Other African language
13	Other European language	14	Indian language	15	Other (specify)

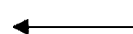
1.7 What is the highest level of education you have reached? *Do Not Read Categories.*

No Schooling	Primary	Secondary	Tertiary
1	2	3	4

1.8 Are you currently attending school (still in the school register)?

Yes	No
1	2

Go to 1.10



1.9 (If No), why not?

1	My family does not have enough money	2	I don't like school
3	I have to look after my younger brothers/sisters	4	I have to look after a sick family member
5	I failed	6	I was expelled
7	Other (specify):		

1.10 (If Yes), what grade are you in?

Grade	

1.11 In the last month, how many days have you missed school?

--	--

1.12 Why have you missed school? (Multiple responses possible, Do Not Prompt.)

		Mentioned?	
		Yes	No
a	I have been sick	1	2
b	I don't feel safe going to school	1	2
c	I don't feel safe at school	1	2
d	I don't like school	1	2
e	I had to look after my younger brothers/sisters	1	2
f	I had to look after a sick family member	1	2
g	I didn't have enough money to go to school everyday	1	2
	Other (specify)	1	2

1.13 Have you ever failed a grade in school and had to repeat?

Yes	No
1	2

Go to 1.15 ←

1.14 (If Yes), what grade(s)?

(Multiple responses possible)

Grade											
1	2	3	4	5	6	7	8	9	10	11	12



1.24 Is your biological father alive?

Yes	No	Don't know
1	2	3

→ Go to 1.26 ←

1.25 (If No), how old were you when he passed away?

--	--

1.26 I am going to read a number of statements. Which one best describes your household situation?

a	We do not have enough money for basic things like food and clothes	1
b	We have money for food and clothes, but short on many other things	2
c	We have most of the important things, but few luxury goods	3
d	We have money for extra things such as going away for holidays and luxury goods	4
e	Don't know	5
f	No response	6

## SECTION 2: FOOD INTAKE

**THIS SECTION SEEKS TO GATHER DATA ON THE TYPE OF DIET OF THE RESPONDENT**

2.1 How many meals do you usually have per day?

Amount	
Don't Know	88
No Response	99

2.2 Which of these meals do you usually have per day?

a. Breakfast	b. Lunch	c. Supper	d. Other meals
1	1	1	1

2.3 When you have your usual meals what do you have for: -

1	Breakfast	
2	Lunch	

<b>3</b>	<b>Supper</b>	
<b>4</b>	<b>Other meals</b>	

2.4 Where do you usually have the following meals: -

	Home	School	Feeding Centres	Street	Neighbours	Other specify
<b>Breakfast</b>	1	2	3	4	5	6
<b>Lunch</b>	1	2	3	4	5	6
<b>Supper</b>	1	2	3	4	5	6
<b>Other meals</b>	1	2	3	4	5	6

2.5 Did you eat anything yesterday?

Yes	No	Don't Know	No Response
1	2	88	99

Go to 2.8 ←

2.6 What did you eat yesterday for?

		Don't Know	No Response
1	<b>Breakfast</b>	88	99
2	<b>Lunch</b>	88	99
3	<b>Supper</b>	88	99

2.7 How many meals did the household eat yesterday?

Meals	Amount
Don't Know	88
No Response	99

2.8 Other than water, what did you drink yesterday?

Don't Know	No Response
88	99

2.9 What is your dominant source of water for drinking and cooking?

<b>Internal tap</b>	<b>Yard tap</b>	<b>Communal standpipe</b>	<b>Tank/tanker</b>	<b>River</b>	<b>Dam/reservoir</b>	<b>Don't Know</b>	<b>No Response</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>88</b>	<b>99</b>

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## SECTION 3: PSYCHOSOCIAL ISSUES

PREPARE THE RESPONDENT FOR THE NEXT SECTION BY HIGHLIGHTING TO HIM/HER THAT THESE QUESTIONS ARE SENSITIVE. (TAKE NOTE OF THE SUBSECTIONS AND USE THEM AS 'BREAKS' IN THE INTERVIEW TO RETAIN RESPONDENT'S INTEREST AND COMPOSURE.)

3.01 Have you moved into another household?

Yes	No
1	2

Go to 3.1 ←

3.02 Has someone moved into your household?

Yes	No
1	2

Go to 3.4 ←

### HOUSEHOLD RELATIONSHIPS

3.1 Before moving into this current household, how many children lived with you in your previous home?

3.2 How many of these children have the same parents as yourself?

3.3 How many of these siblings have moved with you into this household?

Boys	Girls	Don't Know	No Response
		88	99
		88	99
		88	99

3.4 How are you related to your current guardian?

a	Uncle	01
c	Grand father	03
e	Step-Mother	05
g	Brother	07
i	Mother	09
k	Cousin	11
m	Family friend	13
o	Don't Know	15

b	Aunt	02	For displaced children Go to 3.7
d	Grand mother	04	
f	Step-Father	06	
h	Sister	08	
j	Father	10	
l	Neighbour	12	
n	Other Specify e.g. self	14	
p	No Response	16	

3.5 How many children live with you in your parents/guardian's home?

3.6 How many of these children have the same parents as yourself?

Boys	Girls	Don't Know	No Response
		88	99
		88	99

## PSYCHOSOCIAL ISSUES (Ask ALL OVC)

3.7 How happy or unhappy are you living in this household?

Very happy	Happy	Sad	Very sad	Don't Know	No Response
1	2	3	5	6	7

3.8 What do you do in your leisure/free time? (*Multiple responses possible*)

		<b>Mentioned?</b>			
		Yes	No	Don't Know	No Response
a	Football, other sports, physical activity	1	2	88	99
b	Games non-physical	1	2	88	99
c	Being with friends, playing	1	2	88	99
d	Dance, music, drama	1	2	88	99
e	Reading	1	2	88	99
f	Crafts, weaving, art, basketry	1	2	88	99
g	Other, Specify	1	2	88	99

3.9 Who do you normally talk to when you have a problem or you are worried about something?  
(Relationship to child) (*Multiple responses possible*) DO NOT PROMPT OR READ.

a	Uncle	01	b	Aunt	02
c	Grand father	03	d	Grand mother	04
e	Step-Mother	05	f	Step-Father	06
g	Brother	07	h	Sister	08
i	Mother	09	j	Father	10
k	Cousin	11	l	Neighbour	12
m	Family friend	13	n	Friends, other children	14

<b>o</b>	<b>No one, keep to myself</b>	<b>15</b>	<b>p</b>	<b>Teacher</b>	<b>16</b>
<b>q</b>	<b>Don't know</b>	<b>17</b>	<b>r</b>	<b>No response</b>	<b>18</b>
<b>s</b>	<b>Other, specify</b>	<b>19</b>			

3.10 How well did you know your current guardian before s/he started taking care of you?

<b>Very Well</b>	<b>A little bit</b>	<b>Not at all</b>	<b>Not Applicable</b>	<b>Other</b>	<b>Don't Know</b>	<b>No Response</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>

3.11 Are your parents alive?

	<b>Yes</b>	<b>No</b>	<b>Don't Know</b>
<b>Mother</b>	<b>1</b>	<b>2</b>	<b>3</b>
<b>Father</b>	<b>1</b>	<b>2</b>	<b>3</b>

Go to 4.1 ←

3.12 Is there anything still bothering you about your parents' death?

<b>Yes</b>	<b>No</b>	<b>Don't know</b>	<b>No Response</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>

Go to 3.14 ←

3.13 (If Yes), what is it?

<b>Don't know</b>	<b>No Response</b>
<b>88</b>	<b>99</b>

## SPECIAL ITEMS

3.14 What, if any, is different about your life since your mother and/or father died?

<b>Don't know</b>	<b>No Response</b>
<b>88</b>	<b>99</b>

3.15 What personal items that belonged to your mother/ father/ guardian are in your possession? (Multiple responses possible)

		Mentioned?			
		Yes	No	Don't know	No Response
a	Photos	1	2	88	99
b	Letters	1	2	88	99
c	Traditional/cultural accessories	1	2	88	99
d	Bible	1	2	88	99
e	Clothes	1	2	88	99
f	Jewellery	1	2	88	99
g	Other, Specify	1	2	88	99

Go to 4.1 if No throughout ←

3.16 When do you look at these things if at all?

When I am happy	When I am feeling sad/ lonely ...	When I want to be closer to my late parents/guardians	Anniversaries	Other (specify)	No Response
1	2	3	4	5	6

3.17 How do you feel when you look at these things?

Content	Happy	Warm	Sad	Angry	Rejuvenated/inspired	Other Specify	No Response
1	2	3	4	5	6	7	8

## SECTION 4: EMOTIONAL WELL-BEING CHECKLIST

DK = Don't Know, NR = No Response		Often	Sometimes	Never	DK	NR
4.1	How often do you have scary dreams or nightmares?	1	2	3	4	5
4.2	How often do you ever feel unhappy?	1	2	3	4	5
4.3	How often do you feel happy?	1	2	3	4	5

Go to 4.5 ←

4.4 What makes you happy?

Nothing	DK	NR
1	88	99

**DK = Don't Know, NR = No Response**

4.5 How often do you get into fights with other children?

Often	Sometimes	Never	DK	NR
1	2	3	4	5
1	2	3	4	5

4.6 How often do you prefer to be alone, instead of playing with other children?

4.7 Who do you usually play with? (*Don't write the name. Probe for the relationship. . e.g. friend, sister etc.*)

No one	DK	NR
1	88	99

**DK = Don't Know, NR = No Response**

	Often	Sometimes	Never	DK	NR
4.8 How often do you feel worried?	1	2	3	4	5
4.9 How often do you refuse eating at mealtimes?	1	2	3	4	5
4.10 How often are you frustrated because something does not go your way?	1	2	3	4	5
4.11 How often do you become very angry?	1	2	3	4	5
4.12 How often do you feel hopeful about the future?	1	2	3	4	5

Go to 4.14 ←

4.13 What makes you feel hopeful?

Nothing	DK	NR
1	88	99

	<b>DK = Don't Know, NR = No Response</b>	<b>Often</b>	<b>Sometimes</b>	<b>Never</b>	<b>DK</b>	<b>NR</b>
4.14	How often do you feel afraid of new situations?	1	2	3	4	5
4.15	How often do you have trouble falling asleep?	1	2	3	4	5
4.16	How often do you have difficulty making friends?	1	2	3	4	5
4.17	How often do you feel like running away from home?	1	2	3	4	5

Go to 4.20 ←

4.18 When did you start feeling like this?

<b>DK</b>	<b>NR</b>
88	99

4.19 How many times in the last 6 months have you actually run away from home?

--	--

4.20 What kinds of things do you worry about?

<b>Nothing</b>	<b>DK</b>	<b>NR</b>
1	88	99

4.21 What can you do tonight to have fun?

<b>Nothing</b>	<b>DK</b>	<b>NR</b>
1	88	99

4.22 What are you looking forward to doing in the next week to have fun?

<b>Nothing</b>	<b>DK</b>	<b>NR</b>
1	88	99

4.23 Tell me something about your life that makes you happy?

<b>Nothing</b>	<b>DK</b>	<b>NR</b>
1	88	99

4.24 Who do you admire the most?

	<b>Relationship</b>	<b>Profession</b>	<b>Don't know</b>	<b>No Response</b>
<b>In your family</b>			88	99
<b>In society</b>				

## SECTION 5: ISSUES OF INHERITANCE (FOR ORPHANS)

	<b>DK = Don't Know, NR = No Response</b>	<b>Yes</b>	<b>No</b>	<b>DK</b>	<b>NR</b>
5.1	Are you still living in the same house as you did with your parents?	1	2	3	4
5.2	<b>(If Yes)</b> , has someone else moved in to assist in the maintenance of the household?	1	2	3	4
5.3	<b>(If Your Parents Owned the House)</b> , have you or your brothers and sisters inherited the house?	1	2	3	4
5.4	Were you consulted on the distribution of the family goods and possessions?	1	2	3	4
5.5	Were most of the goods distributed to people who are looking after you?	1	2	3	4

5.6 What proportion of the following possessions was given to people other than yourself, your brothers and sisters?

		<b>None</b>	<b>Less than half</b>	<b>More than half</b>	<b>All</b>
<b>a</b>	<b>Livestock</b>	1	2	3	4
<b>b</b>	<b>Furniture</b>	1	2	3	4
<b>c</b>	<b>Money</b>	1	2	3	4
<b>d</b>	<b>Other valuables</b>	1	2	3	4

## SECTION 6: EXPERIENCES OF STIGMA

	<b>DK = Don't Know, NR = No Response</b>	<b>Yes</b>	<b>No</b>	<b>D K</b>	<b>NR</b>
6.1	Do children in this household other than your siblings play with you?	1	2	3	4
6.2	Do children in the community play with you?	1	2	3	4
6.3	Are children in the household who are not your siblings treating you badly?	1	2	3	

Go to 6.5 ←

6.4 (If Yes), please explain?

DK	NR
88	99

6.5 Does the guardian(s) treat you badly?

Yes	No	DK	NR
1	2	3	4

Go to 6.7

6.6 (If Yes), please explain?

DK	NR
88	99

6.7 Do adults in the community talk to you?

Yes	No	DK	NR
1	2	3	4

Go to 7.1

6.8 (If No), do you know why they do not talk to you? (Multiple responses possible)

		Mentioned?			
		Yes	No	DK	NR
a	Because my parents died of AIDS	1	2	88	99
b	They don't like me	1	2	88	99
c	Other, Specify	1	2	88	99

## SECTION 7: CULTURAL MODES OF CARING

DK = Don't Know, NR = No Response

7.1 Compared to when you lived with your parents (mother/father) how do you feel now?

Very Happy	Happy	Indifferent	Sad	Very Sad	DK	NR
1	2	3	4	5	6	7

Yes	No	DK	NR
-----	----	----	----

7.2 Is there any kind of assistance that you receive from your guardian?

1	2	3	4
---	---	---	---

Go to 7.4 ←

7.3 What kind of assistance do you receive from your guardian?

School fees	School books	Attending school (bus fare, lunch money)	Clothes	Food	Other (specify)	DK	NR
1	2	3	4	5	6	7	8

7.4 Are you required to do chores in the community in order to bring money to the household?

Yes	No	DK	NR
1	2	3	4

Go to 8.1 ←

7.5 (If Yes), what are these chores?

Herding animals	Washing other people's cars	Household chores in the community	Assisting in farming	Other (specify)	DK	NR
1	2	3	4	5	6	7

## SECTION 8: HEALTH RELATED ISSUES

THE FOLLOWING QUESTIONS EXAMINE IF IN EVERY FAMILY OR COMMUNITY THERE IS SOME LEVEL OF COUNSELLING AND CARING.

8.1 Does your guardian allow/make it possible for you to talk freely when you are feeling sick, bad or down? **DK = Don't Know, NR = No Response**

Yes	No	DK	NR
1	2	88	99

8.2 Does your guardian:

	Yes	No	DK	NR
a Comfort you while you are talking?	1	2	88	99
b Put you on her/his lap, and put her/his hand around you?	1	2	88	99
c Look far away when you are talking and not show interest?	1	2	88	99

d	Speak kind words to you and explain things you don't know?	1	2	88	99
e	Other (specify)	1	2	88	99

**DK = Don't Know, NR = No Response**

8.3 Does your guardian often encourage you to live without fear, and function as normal member of a society?

Yes	No	DK	NR
1	2	88	99

8.4 (If Yes), what does your guardian often tell you in this regard?

DK	NR
88	99

DK = Don't Know, NR = No Response		Yes	No	DK	NR
8.5	Are there any community meetings called by religious or traditional leaders, where health promoters come to address people?	1	2	88	99
8.6	(If Yes), does your guardian attend these meetings?	1	2	88	99

Go to 8.8 ←

8.7	(If Yes), when coming home, does your guardian inform you or discuss with you what was said in the meeting?	1	2	88	99
8.8	In your opinion, do you feel that the community supports people affected by HIV and protect them from discrimination and stigma?	1	2	88	99

## SECTION 9: SEXUAL INVOLVEMENT AND ABUSE

PREPARE THE RESPONDENT FOR THE NEXT SECTION BY HIGHLIGHTING TO HIM/HER THAT THESE QUESTIONS ARE SENSITIVE. TAKE NOTE OF THE SUBSECTIONS AND USE THEM AS 'BREAKS' IN THE INTERVIEW TO RETAIN RESPONDENT'S INTEREST AND COMPOSURE.

DK = Don't Know, NR = No Response		Yes	No	DK	NR
9.1	Have you ever had sexual intercourse?	1	2	88	99
9.2	Has/have your guardian(s) touched your private parts?	1	2	88	99

Go to 9.4 ←

9.3 (If Yes), please explain?

DK	NR
88	99

	DK = Don't Know, NR = No Response	Yes	No	DK	NR
9.4	Have other children in the household touched your private parts?	1	2	3	4

Go to 9.6 ←

9.5 (If Yes), please explain?

DK	NR
88	99

	DK = Don't Know, NR = No Response	Yes	No	DK	NR
9.6	Have any community members touched your private parts?	1	2	3	4

Go to 10.1 ←

9.7 (If Yes), please explain?

DK	NR
88	99

## SECTION 10: END QUESTIONS

10.1 If you had three wishes right now, what would they be?

	DK	NR
1	88	99
2	88	99
3	88	99

10.2 Where do you see yourself in the future?

	DK	NR
1	88	99
2	88	99
3	88	99

**THANK YOU**

## Appendix 2

### Complete log file of results of STATA analysis

```
-----  
-----  
log: E:\MPH\thesis\analyses\log file Kop 8 12 06.log  
log type: text  
opened on: 7 Dec 2006, 23:32:35
```

```
. do "C:\DOCUME-1\dskinner\LOCALS-1\Temp\STD000000.tmp"
```

```
. gen total_kids = girls_house+ boys_house  
(274 missing values generated)
```

```
. gen total_kids_fam = boys_family+ girls_family  
(282 missing values generated)
```

```
. gen prop_fam_house_kids = total_kids_fam/ total_kids  
(359 missing values generated)
```

```
. tabulate age
```

q1_1 how old are you	Freq.	Percent	Cum.
6	40	7.27	7.27
7	47	8.55	15.82
8	52	9.45	25.27
9	61	11.09	36.36
10	62	11.27	47.64
11	64	11.64	59.27
12	71	12.91	72.18
13	75	13.64	85.82
14	78	14.18	100.00
Total	550	100.00	

```
. summarize age
```

Variable	Obs	Mean	Std. Dev.	Min	Max
age	550	10.50364	2.511719	6	14

```
. tabulate sex
```

q1_2 sex of respondent	Freq.	Percent	Cum.
male	257	46.22	46.22
female	299	53.78	100.00
Total	556	100.00	

```
. tabulate race
```

q1_3 race group	Freq.	Percent	Cum.
african	474	87.13	87.13
white	2	0.37	87.50
coloured	68	12.50	100.00
Total	544	100.00	

```
. tabulate household_head
```

q1_4 are you the head of the household	Freq.	Percent	Cum.
yes	3	0.62	0.62
no	484	99.38	100.00
Total	487	100.00	

. tabulate nationality

q1_5 what is your nationality	Freq.	Percent	Cum.
south african	534	99.81	99.81
other	1	0.19	100.00
Total	535	100.00	

. tabulate language

q1_6 what is your home language	Freq.	Percent	Cum.
afrikaans	110	20.72	20.72
english	2	0.38	21.09
isixhosa	127	23.92	45.01
isizulu	3	0.56	45.57
sesotho sa borwa	267	50.28	95.86
sepedi	4	0.75	96.61
setswana	12	2.26	98.87
tshivenda	1	0.19	99.06
xitsonga	5	0.94	100.00
Total	531	100.00	

. tabulate attend\_ed

q1_8 are you currently attending school	Freq.	Percent	Cum.
yes	507	96.20	96.20
no	20	3.80	100.00
Total	527	100.00	

. tabulate failed\_grade

q1_13 have you ever failed a grade in school and had to repeat	Freq.	Percent	Cum.
yes	160	31.43	31.43
no	349	68.57	100.00
Total	509	100.00	

. tabulate mother\_alive

q1_22 is your biological mother alive	Freq.	Percent	Cum.
yes	406	77.48	77.48
no	118	22.52	100.00
Total	524	100.00	

. tabulate father\_alive

q1_24 is your biological father alive	Freq.	Percent	Cum.
yes	329	62.79	62.79
no	195	37.21	100.00
Total	524	100.00	

. tabulate house\_money

q1_26 which statements best describes your household situation	Freq.	Percent	Cum.
we do not have enough money for basic t	348	68.91	68.91
we have money for food and clothes but	144	28.51	97.43
we have most of the important things, b	10	1.98	99.41
we have money for extra things such as	3	0.59	100.00
Total	505	100.00	

. tabulate meals\_per\_day

q2_1 how many meals do you usually have per day	Freq.	Percent	Cum.
1	9	1.73	1.73
2	101	19.39	21.11
3	390	74.86	95.97
4	21	4.03	100.00
Total	521	100.00	

. tabulate water\_source

q2_9 what is your dominant source of water for drinking and cooking	Freq.	Percent	Cum.
internal tap	105	20.23	20.23
yard tap	389	74.95	95.18
communal standpipe	25	4.82	100.00
Total	519	100.00	

. tabulate moved\_to\_household

q3_01 have you moved into another household	Freq.	Percent	Cum.
yes	85	16.80	16.80
no	421	83.20	100.00
Total	506	100.00	

. tabulate someone\_moved\_in

q3_02 has someone move into your household	Freq.	Percent	Cum.
yes	26	6.44	6.44
no	378	93.56	100.00
Total	404	100.00	

. tabulate boys\_house

q3_5b how many boys live with your parents or guardians home	Freq.	Percent	Cum.
0	126	34.81	34.81
1	120	33.15	67.96
2	79	21.82	89.78
3	24	6.63	96.41
4	9	2.49	98.90
5	4	1.10	100.00
Total	362	100.00	

. tabulate girls\_house

q3_5g how many girls live with your parents or guardians home	Freq.	Percent	Cum.
0	133	36.54	36.54
1	123	33.79	70.33
2	74	20.33	90.66
3	26	7.14	97.80
4	5	1.37	99.18
5	3	0.82	100.00
Total	364	100.00	

. tabulate total\_kids

total_kids	Freq.	Percent	Cum.
0	70	19.94	19.94

1	62	17.66	37.61
2	88	25.07	62.68
3	65	18.52	81.20
4	30	8.55	89.74
5	26	7.41	97.15
6	5	1.42	98.58
7	4	1.14	99.72
8	1	0.28	100.00
-----			
Total	351	100.00	

. tabulate happy\_in\_house

q3_7 how happy or unhappy are you living in this household	Freq.	Percent	Cum.
very happy	412	87.10	87.10
happy	57	12.05	99.15
sad	3	0.63	99.79
very sad	1	0.21	100.00
-----			
Total	473	100.00	

. tabulate scary\_dreams

q1_4 how often do you have scary dreams or nightmare	Freq.	Percent	Cum.
often	28	5.53	5.53
something	266	52.57	58.10
never	212	41.90	100.00
-----			
Total	506	100.00	

. tabulate unhappy

q4_2 how often do you ever feel unhappy	Freq.	Percent	Cum.
often	33	6.59	6.59
something	272	54.29	60.88
never	196	39.12	100.00
-----			
Total	501	100.00	

. tabulate happy

q4_3 how often do you feel happy	Freq.	Percent	Cum.
often	262	52.30	52.30
something	189	37.72	90.02
never	50	9.98	100.00
-----			
Total	501	100.00	

. tabulate fights

q4_5 how often do you get into fight with other children	Freq.	Percent	Cum.
often	27	5.28	5.28
something	208	40.70	45.99
never	276	54.01	100.00
Total	511	100.00	

. tabulate play\_alone

q4_6 how often do you prefer to be alone, instead of playing with other childre	Freq.	Percent	Cum.
often	33	6.57	6.57
something	171	34.06	40.64
never	298	59.36	100.00
Total	502	100.00	

. tabulate feel\_worried

q4_8 how often do you feel worried	Freq.	Percent	Cum.
often	21	4.15	4.15
something	213	42.09	46.25
never	272	53.75	100.00
Total	506	100.00	

. tabulate refuse\_eating

q4_9 how often do you refuse eating at mealtimes	Freq.	Percent	Cum.
often	10	1.98	1.98
something	180	35.57	37.55
never	316	62.45	100.00
Total	506	100.00	

. tabulate frustrated

q4\_10 how often are you frustrated because

something does not go your way	Freq.	Percent	Cum.
often	35	7.06	7.06
something	231	46.57	53.63
never	230	46.37	100.00
Total	496	100.00	

. tabulate angry

q4_11 how often do you become very angry	Freq.	Percent	Cum.
often	30	6.06	6.06
something	236	47.68	53.74
never	229	46.26	100.00
Total	495	100.00	

. tabulate hopeful

q4_12 how often do you feel hopeful about the future	Freq.	Percent	Cum.
often	119	26.92	26.92
something	155	35.07	61.99
never	168	38.01	100.00
Total	442	100.00	

. tabulate afraid\_new

q4_14 how often do you feel afraid of new situations	Freq.	Percent	Cum.
often	35	7.35	7.35
something	205	43.07	50.42
never	236	49.58	100.00
Total	476	100.00	

. tabulate trouble\_sleeping

q4_15 how often do you have trouble falling asleep	Freq.	Percent	Cum.
often	31	6.15	6.15
something	195	38.69	44.84
never	278	55.16	100.00
Total	504	100.00	

. tabulate hard\_make\_friends

q4_16 how often do you have difficulty making friends	Freq.	Percent	Cum.
often	23	4.62	4.62
something	102	20.48	25.10
never	373	74.90	100.00
Total	498	100.00	

. tabulate running\_away

q4_17 how often do you feel like running away from home	Freq.	Percent	Cum.
often	6	1.22	1.22
something	20	4.07	5.28
never	466	94.72	100.00
Total	492	100.00	

. tabulate stigma\_household\_children

q6_1 do children in this household other than your siblings play with you	Freq.	Percent	Cum.
yes	301	94.95	94.95
no	16	5.05	100.00
Total	317	100.00	

. tabulate stigma\_community\_kids

q6_2 do children in the community play with you	Freq.	Percent	Cum.
yes	383	98.21	98.21
no	7	1.79	100.00
Total	390	100.00	

. tabulate stigma\_kids\_abuse

q6\_3 are children in the household

who are not your siblings treating you badly	Freq.	Percent	Cum.
yes	12	3.87	3.87
no	298	96.13	100.00
Total	310	100.00	

. tabulate gaurdian\_treat

q6_5 does the guardian treat you badly	Freq.	Percent	Cum.
yes	23	5.30	5.30
no	411	94.70	100.00
Total	434	100.00	

. tabulate stigma\_adults\_talk

q6_7 do adults in the community talk to you	Freq.	Percent	Cum.
yes	423	94.63	94.63
no	24	5.37	100.00
Total	447	100.00	

. tabulate orphans\_happynow

q7_1 compared to where you lived with your parents how do you feel now	Freq.	Percent	Cum.
very happy	202	69.18	69.18
happy	65	22.26	91.44
indifferent	10	3.42	94.86
sad	12	4.11	98.97
very sad	3	1.03	100.00
Total	292	100.00	

. tabulate comfort\_you

q8_2a does your guardian:co mfort you while you are talking	Freq.	Percent	Cum.
yes	434	88.39	88.39
no	57	11.61	100.00

Total | 491 100.00

. tabulate look\_away

q8_2c does your guardian:lo ok far away when you are talking and not show intere	Freq.	Percent	Cum.
yes	40	9.03	9.03
no	403	90.97	100.00
Total	443	100.00	

. tabulate speak\_kind\_words

q8_2d does your guardian:sp eak kind words to you and explain things you dont kn	Freq.	Percent	Cum.
yes	344	76.79	76.79
no	104	23.21	100.00
Total	448	100.00	

. tabulate encouragement

q8_3 does your guardian often encourage you live without fear, and function as	Freq.	Percent	Cum.
yes	364	82.17	82.17
no	79	17.83	100.00
Total	443	100.00	

. tabulate total\_kids

total_kids	Freq.	Percent	Cum.
0	70	19.94	19.94
1	62	17.66	37.61
2	88	25.07	62.68
3	65	18.52	81.20
4	30	8.55	89.74
5	26	7.41	97.15
6	5	1.42	98.58
7	4	1.14	99.72
8	1	0.28	100.00
Total	351	100.00	

```
. summarize total_kids
```

Variable	Obs	Mean	Std. Dev.	Min	Max
total_kids	351	2.133903	1.665367	0	8

```
. histogram house_money  
(bin=22, start=1, width=.13636364)
```

```
. histogram meals_per_day  
(bin=22, start=1, width=.13636364)
```

```
. histogram water_source  
(bin=22, start=1, width=.09090909)
```

```
. histogram happy_in_house  
(bin=21, start=1, width=.19047619)
```

```
. histogram scary_dreams  
(bin=22, start=1, width=.09090909)
```

```
. histogram unhappy  
(bin=22, start=1, width=.09090909)
```

```
. histogram happy  
(bin=22, start=1, width=.09090909)
```

```
. histogram fights  
(bin=22, start=1, width=.09090909)
```

```
. histogram play_alone  
(bin=22, start=1, width=.09090909)
```

```
. histogram feel_worried  
(bin=22, start=1, width=.09090909)
```

```
. histogram refuse_eating  
(bin=22, start=1, width=.09090909)
```

```
. histogram frustrated  
(bin=22, start=1, width=.09090909)
```

```
. histogram angry  
(bin=22, start=1, width=.09090909)
```

```
. histogram hopeful  
(bin=21, start=1, width=.0952381)
```

```
. histogram afraid_new  
(bin=21, start=1, width=.0952381)
```

```
. histogram trouble_sleeping  
(bin=22, start=1, width=.09090909)
```

```
. histogram hard_make_friends  
(bin=22, start=1, width=.09090909)
```

```
. histogram running_away  
(bin=22, start=1, width=.09090909)
```

```
. histogram orphans_happynow  
(bin=17, start=1, width=.23529412)
```

```
. histogram total_kids  
(bin=18, start=0, width=.44444444)
```

```
. pcorr mother_alive father_alive house_money happy_in_house scary_dreams unhappy
happy play_alone fights
> hts feel_worried refuse_eating frustrated angry hopeful afraid_new
trouble_sleeping hard_make_friends
> running_away gaurdian_treat stigma_adults_talk total_kids
```

	mother~e	father~e	house_~y	happy_~e	scary_~s	unhappy	happy
mother_alive	1.0000						
father_alive	0.1804	1.0000					
house_money	-0.0378	-0.0714	1.0000				
happy_in_h~e	-0.0899	-0.0688	-0.0383	1.0000			
scary_dreams	-0.0995	-0.0384	0.0439	-0.0178	1.0000		
unhappy	-0.0478	-0.0713	0.0920	-0.0239	0.3631	1.0000	
happy	-0.0176	0.0171	-0.1345	0.0280	0.0213	-0.0358	1.0000
play_alone	0.0226	-0.0605	-0.0066	-0.0186	0.1653	0.2363	-0.1181
fights	0.0282	0.0146	0.0178	-0.0817	0.1756	0.1793	-0.0418
feel_worried	-0.0692	-0.1491	0.0230	-0.0600	0.3128	0.4115	-0.1272
refuse_eat~g	-0.0592	-0.0414	0.0325	0.0117	0.2264	0.2574	0.0798
frustrated	-0.0311	-0.0846	0.0374	-0.0064	0.2154	0.3289	-0.1281
angry	-0.0295	-0.1038	0.0099	0.0135	0.1221	0.2583	-0.0318
hopeful	-0.0173	-0.0204	-0.1276	-0.0195	0.0804	0.1372	0.4248
afraid_new	-0.0185	-0.0234	0.0306	-0.1139	0.2684	0.2998	-0.1288
trouble_sl~g	-0.0420	-0.0087	-0.0110	-0.0313	0.2122	0.2486	-0.0323
hard_make_~s	0.0518	0.0158	0.0048	0.0150	0.1632	0.2816	-0.0899
running_away	-0.0072	-0.0865	-0.0118	-0.1804	0.1279	0.1494	-0.0473
gaurdian_t~t	-0.0694	-0.0299	0.0531	-0.0498	0.0625	0.1017	0.0055
stigma_adu~k	0.0172	0.0079	-0.0853	-0.0598	-0.0101	-0.1002	0.1117
total_kids	-0.0031	-0.0473	-0.1400	0.0494	-0.0142	0.0113	-0.0121

	play_a~e	fights	feel_w~d	refuse~g	frustr~d	angry	hopeful
play_alone	1.0000						
fights	0.2176	1.0000					
feel_worried	0.4264	0.2069	1.0000				
refuse_eat~g	0.1545	0.1419	0.1842	1.0000			
frustrated	0.3851	0.1143	0.4322	0.2701	1.0000		
angry	0.3611	0.2662	0.3779	0.2887	0.4334	1.0000	
hopeful	0.0664	0.0495	0.1490	0.2187	0.1742	0.2649	1.0000
afraid_new	0.3497	0.2407	0.4052	0.1502	0.3858	0.3240	0.0431
trouble_sl~g	0.2687	0.0939	0.1973	0.1103	0.2839	0.2285	0.0531
hard_make_~s	0.3291	0.1826	0.2765	0.2211	0.3729	0.2892	0.1160
running_away	0.1627	0.1144	0.2119	0.1101	0.1206	0.0895	0.0107
gaurdian_t~t	0.0195	0.0345	0.0823	0.0847	0.0425	0.0509	0.0117
stigma_adu~k	-0.0721	-0.0368	-0.0812	0.0043	-0.0809	-0.0128	0.1204
total_kids	-0.1040	-0.0251	-0.0823	-0.0315	-0.0036	-0.0117	-0.0224

	afraid~w	troubl~g	hard_m~s	runnin~y	gaurdi~t	stigma~k	total_~s
afraid_new	1.0000						
trouble_sl~g	0.2586	1.0000					
hard_make_~s	0.2656	0.2211	1.0000				
running_away	0.1180	0.0426	0.0941	1.0000			
gaurdian_t~t	0.1435	-0.0362	0.2064	0.0207	1.0000		
stigma_adu~k	-0.0940	-0.1027	-0.0623	0.0230	0.0143	1.0000	
total_kids	-0.0762	-0.0069	-0.0342	-0.0126	-0.1184	-0.0288	1.0000

```
. factor attend_ed failed_grade mother_alive father_alive house_money meals_per_day
water_source moved_
> to_household someone_moved_in happy_in_house scary_dreams unhappy happy
play_alone fights feel_worrie
> d refuse_eating frustrated angry hopeful afraid_new trouble_sleeping
hard_make_friends running_away s
> tigma_household_children stigma_community_kids stigma_kids_abuse gaurdian_treat
stigma_adults_talk or
> phans_happynow comfort_you look_away speak_kind_words encouragement
(obs=58)
```

note: attend\_ed dropped due to zero variance  
 note: moved\_to\_household dropped due to zero variance

(principal factors; 21 factors retained)

Factor	Eigenvalue	Difference	Proportion	Cumulative
1	5.75919	3.27281	0.2878	0.2878
2	2.48638	0.45416	0.1243	0.4121
3	2.03222	0.19605	0.1016	0.5137
4	1.83618	0.21319	0.0918	0.6055
5	1.62299	0.36865	0.0811	0.6866
6	1.25434	0.04300	0.0627	0.7493
7	1.21134	0.25677	0.0605	0.8098
8	0.95457	0.10661	0.0477	0.8575
9	0.84797	0.22891	0.0424	0.8999
10	0.61905	0.03992	0.0309	0.9308
11	0.57913	0.01247	0.0289	0.9598
12	0.56667	0.08227	0.0283	0.9881
13	0.48440	0.16579	0.0242	1.0123
14	0.31861	0.00349	0.0159	1.0282
15	0.31512	0.05574	0.0157	1.0440
16	0.25939	0.07270	0.0130	1.0570
17	0.18668	0.02329	0.0093	1.0663
18	0.16339	0.07392	0.0082	1.0745
19	0.08947	0.01753	0.0045	1.0789
20	0.07193	0.02440	0.0036	1.0825
21	0.04754	0.05453	0.0024	1.0849
22	-0.00699	0.06055	-0.0003	1.0845
23	-0.06754	0.01868	-0.0034	1.0812
24	-0.08622	0.01220	-0.0043	1.0769
25	-0.09842	0.04945	-0.0049	1.0719
26	-0.14786	0.02014	-0.0074	1.0646
27	-0.16800	0.01828	-0.0084	1.0562
28	-0.18629	0.01183	-0.0093	1.0468
29	-0.19812	0.03189	-0.0099	1.0369
30	-0.23000	0.00895	-0.0115	1.0254
31	-0.23895	0.03129	-0.0119	1.0135
32	-0.27024	.	-0.0135	1.0000

Factor Loadings

Variable	1	2	3	4	5	6
failed_grade	-0.04523	0.23193	0.06319	0.02306	0.26183	0.28436
mother_alive	0.01765	0.02731	-0.11550	-0.23804	0.33658	0.46541
father_alive	-0.13723	0.02175	0.18047	-0.48032	-0.02549	-0.04870
house_money	0.14872	0.18258	0.25290	0.10775	-0.26729	0.40214
meals_per_wk	0.12915	0.14779	-0.17923	0.00789	-0.31485	0.19248
water_source	0.39404	-0.09387	0.26196	0.32192	0.09654	0.21715
someone_moving	0.27439	0.03543	-0.16513	0.33448	-0.07152	0.02538
happy_in_home	-0.11590	-0.00576	0.40055	0.13424	0.14014	-0.40875
scary_dreams	0.57392	0.32071	-0.25094	-0.25717	-0.24242	-0.08741
unhappy	0.65971	0.23020	0.07469	-0.10437	-0.05169	0.11071
happy	-0.28454	0.26568	0.34713	0.16452	-0.15671	-0.03950
play_alone	0.71574	-0.06154	-0.23637	0.15760	0.35497	0.01835
fight	0.51613	0.22678	0.09209	-0.39439	0.21702	0.11295
feel_worried	0.75634	0.19059	-0.17745	-0.11182	0.07359	0.02066
refuse_eatveg	0.45196	0.27539	0.08303	-0.06200	-0.24153	-0.19962
frustrated	0.79818	0.01926	0.05176	0.15694	0.04759	-0.09466
angry	0.75935	0.07449	0.12398	0.09290	0.32183	-0.30692
hopeful	0.06742	0.27817	0.50355	-0.00640	0.10551	-0.17794
afraid_new	0.62636	0.04131	0.09766	-0.10652	-0.09160	0.27618
trouble_sleeping	0.50751	0.17965	-0.27762	0.15657	0.14796	0.03893
hard_making_friends	0.60393	0.19022	0.12910	0.05311	0.03956	-0.23717
running_away	0.24638	0.16151	0.20450	0.50934	-0.15309	0.12500
stigma_having_friends	-0.34822	0.72549	-0.12660	0.15412	-0.03034	-0.23562
stigma_coming_from_friends	-0.38264	0.81011	-0.15148	0.13989	0.02695	0.01946
stigma_kid_friends	0.20043	-0.12213	0.50943	0.25308	-0.17054	0.10920
guardian_talking	0.10312	0.14529	0.32503	-0.38839	-0.35549	0.05076

stigma_adu-k	-0.45298	0.25222	-0.34008	0.45499	0.26103	0.06765
orphans_ha-w	-0.39822	0.39723	0.48119	-0.13602	0.29369	0.13886
comfort_you	-0.23856	0.55672	-0.06548	-0.24473	0.19250	0.06643
look_away	-0.14247	-0.02213	0.01998	-0.14195	0.23645	0.05430
speak_kind-s	0.00886	-0.16761	0.05208	-0.26185	0.43319	-0.20468
encouragem-t	-0.03918	-0.11902	0.40334	0.19620	0.38552	0.19498

Variable	Factor Loadings					
	7	8	9	10	11	12
failed_grade	-0.19154	-0.18440	-0.13546	0.32621	0.05183	0.01930
mother_alive	-0.15921	0.26173	0.16063	0.21022	-0.04305	-0.02712
father_alive	0.49493	0.20040	-0.34179	0.00225	-0.13042	0.00811
house_money	-0.13240	-0.12199	-0.13079	0.03539	0.18222	-0.16014
meals_per_y	0.23836	-0.15047	0.06057	0.08896	0.20619	0.24660
water_source	-0.02639	-0.10834	0.06756	-0.22125	-0.24587	0.25046
someone_mo-n	0.26574	0.39074	0.08486	0.04092	-0.05789	-0.00003
happy_in_h-e	-0.32549	0.11016	-0.11313	0.20679	0.07435	0.06272
scary_dreams	0.02654	0.01423	0.18264	0.09004	-0.10139	0.13705
unhappy	0.03840	0.02428	-0.19169	0.03213	-0.22792	0.09767
happy	0.36282	-0.05662	0.27682	0.14912	0.04222	0.04266
play_alone	0.20772	-0.01789	0.19393	-0.00877	-0.02973	-0.09578
fight	0.20690	-0.15285	-0.04197	-0.02746	-0.19462	-0.27450
feel_worried	-0.07874	-0.16351	0.20204	-0.09822	0.07100	0.01343
refuse_eat-g	0.14816	-0.26759	-0.27226	-0.08356	0.13886	0.02585
frustrated	0.01929	0.20869	0.05196	-0.04595	0.15029	0.08754
angry	0.02702	0.00063	-0.04389	-0.05268	0.16211	0.03446
hopeful	0.30209	-0.12089	0.20642	0.29768	0.03391	-0.01628
afraid_new	-0.13303	0.16564	-0.19653	0.07087	0.23607	0.11540
trouble_sl-g	0.06389	0.19823	-0.11370	0.00649	0.16652	-0.20637
hard_make_s	-0.34564	-0.01401	-0.10743	0.14182	-0.22939	-0.10257
running_away	-0.07594	-0.02866	-0.06122	0.06981	-0.24491	0.17355
stigma_hou-n	-0.07279	0.26942	-0.07428	-0.07424	0.03807	-0.07783
stigma_com-s	-0.02565	0.12550	0.08756	-0.11211	-0.05382	0.01543
stigma_kid-e	-0.05245	0.11538	0.05216	-0.27940	0.02187	-0.19445
guardian_t-t	-0.20629	0.26898	0.35685	-0.03341	0.04073	-0.03526
stigma_adu-k	0.11777	-0.11386	-0.04168	0.05435	-0.00487	-0.03183
orphans_ha-w	-0.01641	0.04116	0.01846	-0.12371	-0.02029	0.00775
comfort_you	-0.15476	-0.21803	-0.01213	-0.25481	0.07600	0.12456
look_away	0.07234	0.32222	-0.19757	-0.03483	0.02134	0.31709
speak_kind-s	-0.09746	-0.07186	0.20356	-0.06199	0.06677	0.16864
encouragem-t	0.24772	0.02671	-0.02429	-0.08946	0.14751	-0.01641

Variable	Factor Loadings					
	13	14	15	16	17	18
failed_grade	-0.15737	0.10637	0.01153	0.04162	-0.03286	-0.02051
mother_alive	0.18123	-0.02137	0.01766	-0.02665	0.08479	0.08576
father_alive	-0.02952	0.06565	0.12849	-0.03886	0.02952	-0.01429
house_money	0.03589	-0.03650	0.17073	-0.09722	-0.03414	-0.05013
meals_per_y	0.25983	-0.03251	0.15747	0.04836	-0.00329	0.02710
water_source	-0.10162	-0.14380	0.13685	0.02187	-0.00036	-0.04945
someone_mo-n	-0.17929	-0.01250	0.09982	0.08285	-0.06120	0.13345
happy_in_h-e	0.16227	-0.08848	0.00037	0.21497	-0.05033	-0.02076
scary_dreams	-0.03492	-0.03802	-0.06317	0.09884	-0.11664	-0.00088
unhappy	0.09271	0.03147	-0.12381	0.06015	-0.17465	0.07486
happy	-0.16948	0.04473	-0.09847	-0.00101	-0.01590	-0.09673
play_alone	0.06972	0.01743	-0.03500	0.11098	0.11824	-0.17873
fight	0.07271	-0.10710	-0.01790	0.05181	0.07872	0.05197
feel_worried	0.17959	0.02049	0.03214	-0.07325	-0.11377	-0.06337
refuse_eat-g	0.01899	-0.04167	-0.03117	0.08955	0.09595	0.03902
frustrated	-0.11348	-0.01481	0.07138	-0.11490	0.04319	0.03602
angry	0.08246	0.02288	-0.02874	-0.12117	-0.00065	0.04559
hopeful	0.03637	0.05323	0.00212	-0.14034	0.01372	0.05637
afraid_new	-0.19017	-0.08178	-0.06997	0.03206	0.07708	0.03039
trouble_sl-g	-0.09985	0.21650	0.01254	0.10872	-0.05906	-0.07346
hard_make_s	-0.12278	-0.08562	0.05761	-0.16198	-0.01501	-0.03802
running_away	0.10793	0.20206	-0.05097	0.04861	0.19417	0.02000

stigma_hou~n	0.15206	-0.08896	0.06817	0.03919	0.09564	-0.00694
stigma_com~s	-0.05911	-0.07303	0.07859	-0.07595	-0.00509	-0.02225
stigma_kid~e	0.15241	0.18555	-0.05559	-0.02218	-0.06293	0.08739
gaurdian_t~t	-0.01029	-0.03963	-0.13724	0.02399	0.05717	-0.00562
stigma_adu~k	0.07418	-0.05611	-0.13110	-0.06654	-0.06018	0.11960
orphans_ha~w	0.02544	0.07203	0.14372	0.11978	-0.09431	-0.06160
comfort_you	-0.17373	0.10462	-0.15000	0.00750	0.04784	0.05457
look_away	0.14651	0.04896	-0.13403	-0.15754	-0.02751	-0.12877
speak_kind~s	-0.06847	0.11482	0.19499	0.05845	0.03264	0.12475
encouragem~t	-0.02688	-0.25240	-0.13035	0.06208	-0.03092	0.01352

Variable	Factor Loadings			Uniqueness
	19	20	21	
failed_grade	-0.01583	-0.09076	0.06847	0.53909
mother_alive	-0.02792	0.00288	-0.02776	0.38218
father_alive	-0.01106	0.03057	0.02929	0.26918
house_money	-0.05572	0.01572	0.00102	0.47794
meals_per__y	0.11824	0.02139	0.01939	0.48748
water_source	0.00811	-0.00275	0.04072	0.36367
someone_mo~n	-0.02913	-0.03901	0.05797	0.46662
happy_in_h~e	0.03225	-0.02652	0.01543	0.35294
scary_dreams	0.05630	0.00966	-0.03998	0.26591
unhappy	-0.09198	0.00525	-0.00290	0.30593
happy	0.02360	0.04503	0.02150	0.38438
play_alone	-0.01212	-0.02237	-0.00241	0.12037
fights	0.10082	-0.03424	0.02162	0.23592
feel_worried	-0.07197	0.03609	0.04825	0.18833
refuse_eat~g	-0.08668	-0.03280	-0.06704	0.38146
frustrated	0.05249	-0.11933	-0.05840	0.19005
angry	-0.02327	-0.02686	0.04620	0.13486
hopeful	-0.02107	0.00038	-0.00871	0.35542
afraid_new	0.04430	0.07200	-0.00279	0.27980
trouble_sl~g	0.01929	0.07456	-0.02717	0.37413
hard_make__s	0.07994	0.08977	-0.01553	0.23900
running_away	-0.02524	0.03883	-0.02039	0.36949
stigma_hou~n	-0.01070	0.03632	0.07643	0.10607
stigma_com~s	-0.05126	-0.02193	-0.05431	0.08656
stigma_kid~e	0.07918	-0.00166	0.01475	0.36586
gaurdian_t~t	-0.04190	-0.00589	0.01189	0.31024
stigma_adu~k	0.04859	0.02876	-0.03595	0.25057
orphans_ha~w	0.03923	-0.03486	-0.07445	0.24815
comfort_you	0.04869	-0.00902	0.05306	0.29544
look_away	0.02952	-0.01072	-0.00242	0.56453
speak_kind~s	-0.03671	0.09852	-0.01731	0.49087
encouragem~t	-0.04153	0.06755	-0.00970	0.41099

```
. factor attend_ed failed_grade mother_alive father_alive house_money meals_per_day
water_source happy_
> in_house scary_dreams unhappy happy play_alone fights feel_worried refuse_eating
frustrated angry hop
> eful afraid_new trouble_sleeping hard_make_friends running_away gaurdian_treat
stigma_adults_talk com
> fort_you total_kids
(obs=174)
```

(principal factors; 14 factors retained)				
Factor	Eigenvalue	Difference	Proportion	Cumulative
1	4.35852	3.19321	0.5502	0.5502
2	1.16530	0.36435	0.1471	0.6973
3	0.80095	0.10833	0.1011	0.7984
4	0.69262	0.06478	0.0874	0.8858
5	0.62785	0.09191	0.0793	0.9651
6	0.53594	0.08861	0.0677	1.0327
7	0.44733	0.00941	0.0565	1.0892
8	0.43791	0.10589	0.0553	1.1445
9	0.33202	0.04332	0.0419	1.1864

10	0.28870	0.13935	0.0364	1.2228
11	0.14935	0.03202	0.0189	1.2417
12	0.11733	0.03734	0.0148	1.2565
13	0.07999	0.05269	0.0101	1.2666
14	0.02730	0.03730	0.0034	1.2700
15	-0.00999	0.02600	-0.0013	1.2688
16	-0.03599	0.03186	-0.0045	1.2642
17	-0.06785	0.00126	-0.0086	1.2557
18	-0.06911	0.06095	-0.0087	1.2469
19	-0.13006	0.03114	-0.0164	1.2305
20	-0.16120	0.03272	-0.0203	1.2102
21	-0.19392	0.04246	-0.0245	1.1857
22	-0.23638	0.03911	-0.0298	1.1558
23	-0.27549	0.00580	-0.0348	1.1211
24	-0.28129	0.02632	-0.0355	1.0856
25	-0.30761	0.06259	-0.0388	1.0467
26	-0.37020	.	-0.0467	1.0000

Factor Loadings						
Variable	1	2	3	4	5	6
attend_ed	0.00959	-0.11466	-0.20039	0.20500	-0.03101	0.09313
failed_grade	0.11653	-0.20139	0.32880	0.14930	-0.26146	-0.06098
mother_alive	-0.08001	-0.10296	0.12575	-0.25333	-0.08602	0.19520
father_alive	-0.10904	0.01696	0.13156	-0.20005	0.22855	0.20663
house_money	0.12137	-0.16280	0.05649	0.27882	0.09269	0.06656
meals_per_y	0.19441	-0.15291	0.38063	0.23225	0.12884	0.00354
water_source	0.25919	-0.25915	-0.11343	0.23223	-0.07217	0.02229
happy_in_h-e	-0.16928	0.13287	-0.29203	0.12880	-0.03760	-0.30401
scary_dreams	0.51469	0.15796	-0.02115	0.16118	0.37825	-0.07893
unhappy	0.59014	-0.02181	0.03470	0.14990	0.13790	-0.20058
happy	-0.22948	0.47673	0.18013	0.24683	0.08831	0.06836
play_alone	0.67749	-0.10790	-0.00263	-0.08497	-0.09102	0.09808
fights	0.39596	0.01741	-0.10669	-0.00044	0.14007	0.20004
feel_worried	0.69253	0.03655	-0.12270	0.12092	-0.01568	0.10869
refuse_eat-g	0.42995	0.36692	0.24008	-0.05052	0.02594	-0.03920
frustrated	0.71513	0.12214	0.01753	-0.02196	-0.23251	-0.10667
angry	0.69113	0.18122	-0.27876	-0.06989	-0.22658	0.07538
hopeful	0.10353	0.63759	0.06886	0.08761	-0.13971	0.08448
afraid_new	0.61924	-0.19268	0.09024	-0.04335	0.07720	-0.00157
trouble_sl-g	0.50811	0.03899	0.17600	-0.30151	0.02759	-0.25499
hard_make_s	0.62151	-0.04327	-0.15656	-0.05723	0.01785	0.08938
running_away	0.30313	-0.05765	0.25796	-0.11544	-0.01516	-0.03824
guardian_t-t	0.22369	0.02490	-0.10840	-0.06300	0.24738	0.23635
stigma_adu-k	-0.19332	0.24467	0.02719	-0.03806	-0.09059	0.14296
comfort_you	-0.14273	0.04887	-0.07066	0.01754	0.08415	-0.07086
total_kids	-0.06901	0.06640	-0.15729	-0.24493	0.24433	-0.22644

Factor Loadings						
Variable	7	8	9	10	11	12
attend_ed	-0.06371	-0.09163	-0.18033	0.09049	0.04188	-0.16502
failed_grade	-0.00308	0.28549	0.00935	0.01604	0.03470	-0.00770
mother_alive	0.14670	0.13446	-0.12835	0.04462	0.08190	-0.02381
father_alive	0.27378	-0.01727	0.05841	0.15506	0.00943	-0.00666
house_money	0.00891	0.16507	-0.17557	-0.13259	0.04701	0.12606
meals_per_y	0.03960	-0.23814	0.00178	0.04018	-0.04949	-0.02031
water_source	0.00119	-0.00212	0.29055	0.20130	-0.00297	0.03362
happy_in_h-e	0.20769	0.10266	0.03510	0.00576	-0.09757	0.03308
scary_dreams	0.06710	-0.00623	0.06422	-0.03407	0.06059	-0.11282
unhappy	-0.00925	0.17208	-0.12355	0.06497	0.00923	-0.04590
happy	0.04054	-0.07694	0.05226	0.02871	0.00368	0.08141
play_alone	0.14357	-0.21760	0.07741	-0.18231	-0.04147	-0.03915
fights	0.13271	0.23770	0.02591	-0.01069	-0.10286	-0.00733
feel_worried	-0.03898	-0.04688	0.00625	-0.24047	0.05163	-0.00993
refuse_eat-g	0.00624	0.10145	-0.02241	-0.02560	-0.14287	-0.00485
frustrated	-0.05946	-0.15716	-0.12370	0.09797	0.07620	0.05148
angry	0.08962	-0.02427	0.03450	0.03224	-0.03730	0.07642

hopeful	-0.03442	0.01734	-0.03150	0.13390	0.07933	-0.02637
afraid_new	0.07902	-0.09085	-0.05087	0.14699	0.07811	0.10086
trouble_sl-g	0.10704	0.03063	-0.03709	-0.06895	0.03257	-0.01329
hard_make~s	-0.09035	0.18006	0.06953	0.13168	0.01763	-0.07162
running_away	-0.30355	0.05260	0.24188	-0.02223	-0.02511	-0.01209
gaurdian_t~t	-0.26477	0.03928	-0.06640	0.00081	-0.02633	0.11907
stigma_adu~k	-0.07723	0.07568	0.07885	-0.09837	0.06337	-0.07716
comfort_you	0.11511	0.06788	0.19324	-0.09787	0.24231	0.04886
total_kids	-0.18950	-0.03717	-0.03126	0.06642	0.03529	0.02011

Factor Loadings

Variable	13	14	Uniqueness
attend_ed	0.04444	-0.04541	0.80876
failed_grade	-0.02253	-0.01086	0.65963
mother_alive	-0.05775	0.06951	0.78400
father_alive	-0.01476	-0.03915	0.73097
house_money	0.10306	0.01354	0.76017
meals_per~y	0.06264	0.02564	0.65605
water_source	-0.04955	-0.01330	0.66444
happy_in_h-e	0.03558	0.01782	0.69085
scary_dreams	0.00877	0.00793	0.50805
unhappy	-0.10748	-0.01754	0.50510
happy	0.00413	0.04105	0.59477
play_alone	0.00898	0.02756	0.39295
fight	0.03303	0.01084	0.68515
feel_worried	-0.12828	0.01509	0.39630
refuse_eat~g	-0.01364	-0.04257	0.58419
frustrated	0.04663	0.00221	0.34368
angry	0.02357	-0.02212	0.33076
hopeful	-0.03003	0.01907	0.51502
afraid_new	0.00366	-0.02409	0.50788
trouble_sl-g	0.05581	-0.02868	0.52894
hard_make~s	0.10402	0.06370	0.49269
running_away	0.01953	0.01082	0.66804
gaurdian_t~t	-0.01348	-0.03618	0.72415
stigma_adu~k	0.08711	-0.04876	0.82441
comfort_you	0.02048	-0.02343	0.83299
total_kids	-0.00896	0.04217	0.74894

```
. factor attend_ed failed_grade mother_alive father_alive house_money meals_per_day
water_source happy_
> in_house scary_dreams unhappy happy play_alone fights feel_worried refuse_eating
frustrated angry hop
> eful afraid_new trouble_sleeping hard_make_friends running_away gaurdian_treat
stigma_adults_talk com
> fort_you total_kids, factors(3)
(obs=174)
```

(principal factors; 3 factors retained)

Factor	Eigenvalue	Difference	Proportion	Cumulative
1	4.35852	3.19321	0.5502	0.5502
2	1.16530	0.36435	0.1471	0.6973
3	0.80095	0.10833	0.1011	0.7984
4	0.69262	0.06478	0.0874	0.8858
5	0.62785	0.09191	0.0793	0.9651
6	0.53594	0.08861	0.0677	1.0327
7	0.44733	0.00941	0.0565	1.0892
8	0.43791	0.10589	0.0553	1.1445
9	0.33202	0.04332	0.0419	1.1864
10	0.28870	0.13935	0.0364	1.2228
11	0.14935	0.03202	0.0189	1.2417
12	0.11733	0.03734	0.0148	1.2565
13	0.07999	0.05269	0.0101	1.2666
14	0.02730	0.03730	0.0034	1.2700
15	-0.00999	0.02600	-0.0013	1.2688
16	-0.03599	0.03186	-0.0045	1.2642

17	-0.06785	0.00126	-0.0086	1.2557
18	-0.06911	0.06095	-0.0087	1.2469
19	-0.13006	0.03114	-0.0164	1.2305
20	-0.16120	0.03272	-0.0203	1.2102
21	-0.19392	0.04246	-0.0245	1.1857
22	-0.23638	0.03911	-0.0298	1.1558
23	-0.27549	0.00580	-0.0348	1.1211
24	-0.28129	0.02632	-0.0355	1.0856
25	-0.30761	0.06259	-0.0388	1.0467
26	-0.37020	.	-0.0467	1.0000

Variable	Factor Loadings			Uniqueness
	1	2	3	
attend_ed	0.00959	-0.11466	-0.20039	0.94660
failed_grade	0.11653	-0.20139	0.32880	0.83775
mother_alive	-0.08001	-0.10296	0.12575	0.96719
father_alive	-0.10904	0.01696	0.13156	0.97051
house_money	0.12137	-0.16280	0.05649	0.95557
meals_per_y	0.19441	-0.15291	0.38063	0.79394
water_source	0.25919	-0.25915	-0.11343	0.85280
happy_in_h-e	-0.16928	0.13287	-0.29203	0.86841
scary_dreams	0.51469	0.15796	-0.02115	0.70969
unhappy	0.59014	-0.02181	0.03470	0.65005
happy	-0.22948	0.47673	0.18013	0.68762
play_alone	0.67749	-0.10790	-0.00263	0.52935
fights	0.39596	0.01741	-0.10669	0.83153
feel_worried	0.69253	0.03655	-0.12270	0.50402
refuse_eat-g	0.42995	0.36692	0.24008	0.62287
frustrated	0.71513	0.12214	0.01753	0.47337
angry	0.69113	0.18122	-0.27876	0.41179
hopeful	0.10353	0.63759	0.06886	0.57802
afraid_new	0.61924	-0.19268	0.09024	0.57128
trouble_sl-g	0.50811	0.03899	0.17600	0.70933
hard_make_~s	0.62151	-0.04327	-0.15656	0.58734
running_away	0.30313	-0.05765	0.25796	0.83824
guardian_t-t	0.22369	0.02490	-0.10840	0.93759
stigma_adu-k	-0.19332	0.24467	0.02719	0.90202
comfort_you	-0.14273	0.04887	-0.07066	0.97224
total_kids	-0.06901	0.06640	-0.15729	0.96609

. rotate

(varimax rotation)

Variable	Rotated Factor Loadings			Uniqueness
	1	2	3	
attend_ed	0.03528	-0.16646	-0.15634	0.94660
failed_grade	0.04618	-0.10297	0.38667	0.83775
mother_alive	-0.10661	-0.06209	0.13264	0.96719
father_alive	-0.12813	0.05512	0.10016	0.97051
house_money	0.09905	-0.14249	0.11963	0.95557
meals_per_y	0.11736	-0.04327	0.43636	0.79394
water_source	0.25660	-0.28506	0.01007	0.85280
happy_in_h-e	-0.10880	0.04847	-0.34265	0.86841
scary_dreams	0.52037	0.13665	0.02909	0.70969
unhappy	0.57324	-0.02150	0.14452	0.65005
happy	-0.22399	0.51206	-0.00116	0.68762
play_alone	0.65965	-0.11612	0.14842	0.52935
fights	0.40849	-0.02017	-0.03462	0.83153
feel_worried	0.70417	-0.01148	-0.00183	0.50402
refuse_eat-g	0.40730	0.41199	0.20370	0.62287
frustrated	0.70867	0.10963	0.11136	0.47337
angry	0.73855	0.08356	-0.18911	0.41179
hopeful	0.13294	0.62937	-0.09059	0.57802
afraid_new	0.58114	-0.17039	0.24892	0.57128
trouble_sl-g	0.47298	0.07795	0.24675	0.70933
hard_make_~s	0.63464	-0.09634	-0.02476	0.58734

running_away	0.25119	0.01180	0.31388	0.83824
gaurdian_t-t	0.23983	-0.01044	-0.06916	0.93759
stigma_adu-k	-0.17835	0.24580	-0.07581	0.90202
comfort_you	-0.12532	0.02955	-0.10572	0.97224
total_kids	-0.03714	0.02077	-0.17916	0.96609

. rotate, promax

(promax rotation)

Variable	Rotated Factor Loadings			Uniqueness
	1	2	3	
attend_ed	0.07969	-0.17357	-0.16985	0.94660
failed_grade	-0.08248	-0.08355	0.41010	0.83775
mother_alive	-0.15408	-0.05828	0.14683	0.96719
father_alive	-0.16062	0.05715	0.11394	0.97051
house_money	0.05622	-0.13481	0.12184	0.95557
meals_per_y	-0.02364	-0.01970	0.45989	0.79394
water_source	0.24623	-0.27941	-0.00419	0.85280
happy_in_h-e	0.00221	0.02962	-0.36017	0.86841
scary_dreams	0.52605	0.15018	0.00510	0.70969
unhappy	0.53595	-0.00157	0.12474	0.65005
happy	-0.20654	0.50810	0.01340	0.68762
play_alone	0.61876	-0.09426	0.12388	0.52935
figts	0.42630	-0.01260	-0.05816	0.83153
feel_worried	0.71708	0.00440	-0.03830	0.50402
refuse_eat-g	0.36574	0.43200	0.19914	0.62287
frustrated	0.69000	0.13134	0.08313	0.47337
angry	0.81669	0.09142	-0.23958	0.41179
hopeful	0.19070	0.62948	-0.09982	0.57802
afraid_new	0.50404	-0.14560	0.23497	0.57128
trouble_sl-g	0.40487	0.10075	0.23973	0.70933
hard_make_s	0.65021	-0.08334	-0.05973	0.58734
running_away	0.15457	0.03264	0.32247	0.83824
gaurdian_t-t	0.26616	-0.00835	-0.08631	0.93759
stigma_adu-k	-0.14689	0.23867	-0.07032	0.90202
comfort_you	-0.09213	0.02169	-0.10631	0.97224
total_kids	0.02108	0.01135	-0.18937	0.96609

```
. factor mother_alive father_alive house_money happy_in_house scary_dreams unhappy
happy play_alone fig
> hts feel_worried refuse_eating frustrated angry hopeful afraid_new
trouble_sleeping hard_make_friends
> running_away gaurdian_treat stigma_adults_talk total_kids
(obs=193)
```

(principal factors; 12 factors retained)

Factor	Eigenvalue	Difference	Proportion	Cumulative
1	4.08544	3.13262	0.6953	0.6953
2	0.95281	0.40127	0.1621	0.8574
3	0.55154	0.07788	0.0939	0.9513
4	0.47366	0.06961	0.0806	1.0319
5	0.40405	0.01346	0.0688	1.1006
6	0.39059	0.11739	0.0665	1.1671
7	0.27320	0.11622	0.0465	1.2136
8	0.15699	0.02914	0.0267	1.2403
9	0.12784	0.08153	0.0218	1.2621
10	0.04631	0.01598	0.0079	1.2700
11	0.03034	0.01161	0.0052	1.2751
12	0.01872	0.03562	0.0032	1.2783
13	-0.01689	0.05299	-0.0029	1.2754
14	-0.06989	0.05788	-0.0119	1.2635
15	-0.12776	0.02687	-0.0217	1.2418
16	-0.15463	0.04660	-0.0263	1.2155
17	-0.20124	0.01580	-0.0342	1.1812
18	-0.21704	0.02585	-0.0369	1.1443
19	-0.24289	0.04682	-0.0413	1.1030

20	-0.28971	0.02561	-0.0493	1.0537
21	-0.31532	.	-0.0537	1.0000

Variable	Factor Loadings					
	1	2	3	4	5	6
mother_alive	-0.07552	-0.12531	0.25056	-0.10331	0.01497	0.16275
father_alive	-0.11270	-0.06185	0.38234	0.06624	0.15014	0.21381
house_money	0.09215	-0.10273	-0.07495	0.24883	-0.21546	-0.08212
happy_in_h-e	-0.12161	0.14051	-0.35814	0.11196	0.09323	0.22756
scary_dreams	0.49133	0.12981	0.00369	0.32594	0.13311	-0.01608
unhappy	0.59658	-0.00839	-0.10989	0.24248	0.13980	-0.02542
happy	-0.24382	0.51284	0.10300	0.11890	-0.01076	-0.03505
play_alone	0.65377	-0.10432	0.00231	-0.15487	-0.14961	0.05778
fights	0.37652	-0.01351	0.20694	0.22103	-0.09266	0.17101
feel_worried	0.70997	0.04644	-0.09571	0.02253	-0.26250	-0.03731
refuse_eat-g	0.40948	0.29906	0.10116	0.01514	0.05245	-0.10971
frustrated	0.70447	0.09877	-0.10760	-0.21129	0.05450	-0.03044
angry	0.69287	0.15427	-0.07422	-0.16544	-0.07031	0.22650
hopeful	0.13131	0.61574	0.08116	-0.09207	0.02734	0.03134
afraid_new	0.62525	-0.19367	0.06496	-0.00020	0.09218	0.06786
trouble_sl-g	0.50686	-0.07840	0.02810	-0.10161	0.28733	-0.03006
hard_make~s	0.58418	-0.06054	0.09459	0.03707	0.00661	-0.00186
running_away	0.28196	-0.06227	0.13035	-0.10415	0.06750	-0.33896
gaurdian_t-t	0.21850	-0.03909	0.20146	0.13612	-0.11428	-0.14783
stigma_adu-k	-0.17988	0.23361	0.11462	-0.09550	-0.08945	-0.05903
total_kids	-0.06144	-0.02018	-0.12421	0.02682	0.24655	-0.11297

Variable	Factor Loadings					
	7	8	9	10	11	12
mother_alive	-0.03987	0.06730	0.01694	0.05520	0.09154	0.01655
father_alive	-0.05687	-0.01313	-0.04071	-0.03554	-0.02337	-0.02742
house_money	-0.09297	0.07309	0.17483	0.00518	-0.00548	0.02006
happy_in_h-e	0.07812	-0.06068	0.00052	0.04853	-0.02479	-0.03507
scary_dreams	-0.03902	-0.08014	-0.09086	0.00019	0.02325	0.04856
unhappy	-0.07279	0.06299	0.03267	0.01554	0.06604	-0.04025
happy	-0.12910	0.00273	-0.02635	0.04205	-0.05109	0.04241
play_alone	-0.13881	-0.16614	-0.07987	0.03686	-0.03147	0.02021
fights	0.15467	-0.06716	0.09187	-0.02356	-0.00964	0.02653
feel_worried	-0.04767	-0.04067	-0.13918	-0.03843	0.05543	-0.01939
refuse_eat-g	-0.03334	-0.07897	0.12137	-0.05922	-0.00893	-0.05010
frustrated	-0.04491	0.15935	0.06903	-0.00801	-0.02047	0.04440
angry	0.16891	0.02298	0.03132	-0.05252	-0.01842	-0.00231
hopeful	-0.01152	0.08885	-0.03587	0.04309	0.02422	-0.02323
afraid_new	-0.14874	0.13806	-0.04623	-0.00368	-0.02985	-0.00667
trouble_sl-g	-0.07798	-0.11250	0.07990	-0.02217	-0.00422	0.01363
hard_make~s	0.25253	0.00801	0.01310	0.11969	-0.00482	0.00605
running_away	0.07332	-0.07887	0.01578	0.06172	-0.00797	-0.02416
gaurdian_t-t	0.12347	0.12408	-0.09791	-0.03355	-0.04997	-0.02403
stigma_adu-k	0.08688	-0.06131	0.04250	-0.04951	0.06314	0.02622
total_kids	0.18096	0.04346	-0.09503	-0.06181	0.01394	0.04073

Variable	Factor Loadings
	Uniqueness
mother_alive	0.86032
father_alive	0.75702
house_money	0.81524
happy_in_h-e	0.75021
scary_dreams	0.59842
unhappy	0.53640
happy	0.62791
play_alone	0.45599
fights	0.69032
feel_worried	0.38560
refuse_eat-g	0.68947
frustrated	0.39922

angry	0.37387
hopeful	0.57453
afraid_new	0.50995
trouble_sl~g	0.61656
hard_make~s	0.56631
running_away	0.75303
gaurdian_t~t	0.81227
stigma_adu~k	0.85909
total_kids	0.85678

```
. factor mother_alive father_alive house_money happy_in_house scary_dreams unhappy
happy_play_alone fig
> hts feel_worried refuse_eating frustrated angry hopeful afraid_new
trouble_sleeping hard_make_friends
> running_away gaurdian_treat stigma_adults_talk total_kids, factors(3)
(obs=193)
```

(principal factors; 3 factors retained)

Factor	Eigenvalue	Difference	Proportion	Cumulative
1	4.08544	3.13262	0.6953	0.6953
2	0.95281	0.40127	0.1621	0.8574
3	0.55154	0.07788	0.0939	0.9513
4	0.47366	0.06961	0.0806	1.0319
5	0.40405	0.01346	0.0688	1.1006
6	0.39059	0.11739	0.0665	1.1671
7	0.27320	0.11622	0.0465	1.2136
8	0.15699	0.02914	0.0267	1.2403
9	0.12784	0.08153	0.0218	1.2621
10	0.04631	0.01598	0.0079	1.2700
11	0.03034	0.01161	0.0052	1.2751
12	0.01872	0.03562	0.0032	1.2783
13	-0.01689	0.05299	-0.0029	1.2754
14	-0.06989	0.05788	-0.0119	1.2635
15	-0.12776	0.02687	-0.0217	1.2418
16	-0.15463	0.04660	-0.0263	1.2155
17	-0.20124	0.01580	-0.0342	1.1812
18	-0.21704	0.02585	-0.0369	1.1443
19	-0.24289	0.04682	-0.0413	1.1030
20	-0.28971	0.02561	-0.0493	1.0537
21	-0.31532	.	-0.0537	1.0000

Factor Loadings

Variable	1	2	3	Uniqueness
mother_alive	-0.07552	-0.12531	0.25056	0.91581
father_alive	-0.11270	-0.06185	0.38234	0.83729
house_money	0.09215	-0.10273	-0.07495	0.97534
happy_in_h-e	-0.12161	0.14051	-0.35814	0.83721
scary_dreams	0.49133	0.12981	0.00369	0.74173
unhappy	0.59658	-0.00839	-0.10989	0.63195
happy	-0.24382	0.51284	0.10300	0.66694
play_alone	0.65377	-0.10432	0.00231	0.56170
fig	0.37652	-0.01351	0.20694	0.81523
feel_worried	0.70997	0.04644	-0.09571	0.48463
refuse_eat~g	0.40948	0.29906	0.10116	0.73266
frustrated	0.70447	0.09877	-0.10760	0.48239
angry	0.69287	0.15427	-0.07422	0.49063
hopeful	0.13131	0.61574	0.08116	0.59703
afraid_new	0.62525	-0.19367	0.06496	0.56733
trouble_sl~g	0.50686	-0.07840	0.02810	0.73616
hard_make~s	0.58418	-0.06054	0.09459	0.64612
running_away	0.28196	-0.06227	0.13035	0.89963
gaurdian_t~t	0.21850	-0.03909	0.20146	0.91014
stigma_adu~k	-0.17988	0.23361	0.11462	0.89993
total_kids	-0.06144	-0.02018	-0.12421	0.98039

```
. rotate
```

(varimax rotation)

Variable	Rotated Factor Loadings			Uniqueness
	1	2	3	
mother_alive	-0.10143	-0.07378	0.26164	0.91581
father_alive	-0.14765	0.01434	0.37511	0.83729
house_money	0.09461	-0.11682	-0.04544	0.97534
happy_in_h-e	-0.08494	0.07179	-0.38785	0.83721
scary_dreams	0.49346	0.11907	0.02441	0.74173
unhappy	0.60320	-0.04018	-0.05092	0.63195
happy	-0.23346	0.52747	-0.01837	0.66694
play_alone	0.64697	-0.11396	0.08214	0.56170
figts	0.35638	0.01931	0.23957	0.81523
feel_worried	0.71680	0.01426	-0.03693	0.48463
refuse_eat-g	0.40951	0.30529	0.08028	0.73266
frustrated	0.71422	0.06345	-0.05892	0.48239
angry	0.70174	0.12451	-0.03781	0.49063
hopeful	0.14557	0.61739	-0.02457	0.59703
afraid_new	0.60995	-0.18918	0.15760	0.56733
trouble_sl-g	0.49938	-0.08090	0.08893	0.73616
hard_make_~s	0.57122	-0.05211	0.15770	0.64612
running_away	0.26717	-0.04142	0.16516	0.89963
gaurdian_t-t	0.19863	-0.00393	0.22448	0.91014
stigma_adu-k	-0.18075	0.25446	0.05149	0.89993
total_kids	-0.05109	-0.04238	-0.12331	0.98039

. rotate, promax

(promax rotation)

Variable	Rotated Factor Loadings			Uniqueness
	1	2	3	
mother_alive	-0.17432	-0.05316	0.28033	0.91581
father_alive	-0.24903	0.04425	0.40472	0.83729
house_money	0.10517	-0.11994	-0.05610	0.97534
happy_in_h-e	0.01813	0.03849	-0.40253	0.83721
scary_dreams	0.49851	0.12697	-0.00068	0.74173
unhappy	0.62586	-0.03786	-0.09015	0.63195
happy	-0.21871	0.52493	0.00612	0.66694
play_alone	0.63323	-0.10021	0.04599	0.56170
figts	0.29955	0.04345	0.23214	0.81523
feel_worried	0.73912	0.01918	-0.08088	0.48463
refuse_eat-g	0.40325	0.31752	0.06735	0.73266
frustrated	0.74361	0.06665	-0.10283	0.48239
angry	0.72694	0.12952	-0.07846	0.49063
hopeful	0.17077	0.61883	-0.02074	0.59703
afraid_new	0.57364	-0.16973	0.12610	0.56733
trouble_sl-g	0.48221	-0.06812	0.06259	0.73616
hard_make_~s	0.53783	-0.03267	0.13154	0.64612
running_away	0.22692	-0.02470	0.15756	0.89963
gaurdian_t-t	0.14250	0.01712	0.22500	0.91014
stigma_adu-k	-0.19075	0.25755	0.07063	0.89993
total_kids	-0.02044	-0.05344	-0.12801	0.98039

```
. factor mother_alive father_alive house_money happy_in_house scary_dreams unhappy
happy play_alone fig
> hts feel_worried refuse_eating frustrated angry hopeful afraid_new
trouble_sleeping hard_make_friends
> running_away gaurdian_treat stigma_adults_talk total_kids, factors(2)
(obs=193)
```

(principal factors; 2 factors retained)

Factor	Eigenvalue	Difference	Proportion	Cumulative
1	4.08544	3.13262	0.6953	0.6953
2	0.95281	0.40127	0.1621	0.8574
3	0.55154	0.07788	0.0939	0.9513

4	0.47366	0.06961	0.0806	1.0319
5	0.40405	0.01346	0.0688	1.1006
6	0.39059	0.11739	0.0665	1.1671
7	0.27320	0.11622	0.0465	1.2136
8	0.15699	0.02914	0.0267	1.2403
9	0.12784	0.08153	0.0218	1.2621
10	0.04631	0.01598	0.0079	1.2700
11	0.03034	0.01161	0.0052	1.2751
12	0.01872	0.03562	0.0032	1.2783
13	-0.01689	0.05299	-0.0029	1.2754
14	-0.06989	0.05788	-0.0119	1.2635
15	-0.12776	0.02687	-0.0217	1.2418
16	-0.15463	0.04660	-0.0263	1.2155
17	-0.20124	0.01580	-0.0342	1.1812
18	-0.21704	0.02585	-0.0369	1.1443
19	-0.24289	0.04682	-0.0413	1.1030
20	-0.28971	0.02561	-0.0493	1.0537
21	-0.31532	.	-0.0537	1.0000

Factor Loadings			
Variable	1	2	Uniqueness
mother_alive	-0.07552	-0.12531	0.97859
father_alive	-0.11270	-0.06185	0.98347
house_money	0.09215	-0.10273	0.98095
happy_in_h-e	-0.12161	0.14051	0.96547
scary_dreams	0.49133	0.12981	0.74174
unhappy	0.59658	-0.00839	0.64403
happy	-0.24382	0.51284	0.67755
play_alone	0.65377	-0.10432	0.56171
fights	0.37652	-0.01351	0.85805
feel_worried	0.70997	0.04644	0.49379
refuse_eat-g	0.40948	0.29906	0.74289
frustrated	0.70447	0.09877	0.49397
angry	0.69287	0.15427	0.49613
hopeful	0.13131	0.61574	0.60362
afraid_new	0.62525	-0.19367	0.57155
trouble_sl-g	0.50686	-0.07840	0.73695
hard_make~s	0.58418	-0.06054	0.65506
running_away	0.28196	-0.06227	0.91662
gaurdian_t-t	0.21850	-0.03909	0.95073
stigma_adu-k	-0.17988	0.23361	0.91307
total_kids	-0.06144	-0.02018	0.99582

. rotate

(varimax rotation)

Rotated Factor Loadings			
Variable	1	2	Uniqueness
mother_alive	-0.07928	-0.12297	0.97859
father_alive	-0.11452	-0.05841	0.98347
house_money	0.08901	-0.10547	0.98095
happy_in_h-e	-0.11730	0.14413	0.96547
scary_dreams	0.49503	0.11489	0.74174
unhappy	0.59605	-0.02642	0.64403
happy	-0.22821	0.51998	0.67755
play_alone	0.65031	-0.12404	0.56171
fights	0.37594	-0.02489	0.85805
feel_worried	0.71105	0.02496	0.49379
refuse_eat-g	0.41833	0.28654	0.74289
frustrated	0.70713	0.07743	0.49397
angry	0.69722	0.13326	0.49613
hopeful	0.14986	0.61149	0.60362
afraid_new	0.61911	-0.21249	0.57155
trouble_sl-g	0.50425	-0.09368	0.73695
hard_make~s	0.58209	-0.07818	0.65506
running_away	0.27995	-0.07077	0.91662

```

gaurdian_t~t | 0.21722 -0.04568 0.95073
stigma_adu~k | -0.17274 0.23895 0.91307
total_kids | -0.06202 -0.01832 0.99582

```

```
. rotate, promax
```

```
(promax rotation)
```

Variable	Rotated Factor Loadings		Uniqueness
	1	2	
mother_alive	-0.08817	-0.12570	0.97859
father_alive	-0.11892	-0.06183	0.98347
house_money	0.08175	-0.10349	0.98095
happy_in_h~e	-0.10738	0.14153	0.96547
scary_dreams	0.50431	0.12904	0.74174
unhappy	0.59556	-0.01012	0.64403
happy	-0.19193	0.51600	0.67755
play_alone	0.64304	-0.10667	0.56171
fighths	0.37505	-0.01465	0.85805
feel_worried	0.71446	0.04465	0.49379
refuse_eat~g	0.43958	0.29934	0.74289
frustrated	0.71425	0.09725	0.49397
angry	0.70826	0.15305	0.49613
hopeful	0.19349	0.61833	0.60362
afraid_new	0.60551	-0.19638	0.57155
trouble_sl~g	0.49879	-0.08021	0.73695
hard_make~s	0.57790	-0.06249	0.65506
running_away	0.27559	-0.06337	0.91662
gaurdian_t~t	0.21449	-0.03990	0.95073
stigma_adu~k	-0.15623	0.23525	0.91307
total_kids	-0.06346	-0.02011	0.99582

```

. factor mother_alive father_alive house_money happy_in_house scary_dreams unhappy
happy play_alone fig
> hts feel_worried refuse_eating frustrated angry hopeful afraid_new
trouble_sleeping hard_make_friends
> running_away gaurdian_treat
(obs=281)

```

```
(principal factors; 9 factors retained)
```

Factor	Eigenvalue	Difference	Proportion	Cumulative
1	3.50664	2.56811	0.7286	0.7286
2	0.93853	0.41746	0.1950	0.9236
3	0.52107	0.09910	0.1083	1.0319
4	0.42196	0.11208	0.0877	1.1196
5	0.30989	0.05622	0.0644	1.1839
6	0.25366	0.04965	0.0527	1.2367
7	0.20402	0.10496	0.0424	1.2790
8	0.09906	0.04061	0.0206	1.2996
9	0.05845	0.06144	0.0121	1.3118
10	-0.00299	0.02952	-0.0006	1.3111
11	-0.03251	0.01862	-0.0068	1.3044
12	-0.05113	0.01436	-0.0106	1.2938
13	-0.06549	0.09336	-0.0136	1.2802
14	-0.15885	0.01106	-0.0330	1.2472
15	-0.16991	0.02768	-0.0353	1.2119
16	-0.19758	0.02001	-0.0411	1.1708
17	-0.21760	0.07058	-0.0452	1.1256
18	-0.28818	0.02808	-0.0599	1.0657
19	-0.31625	.	-0.0657	1.0000

```
Factor Loadings
```

Variable	1	2	3	4	5	6
mother_alive	-0.03949	-0.02994	0.33440	-0.05341	0.01598	0.01022
father_alive	-0.10672	-0.02467	0.36542	0.11360	0.20249	-0.02363
house_money	0.06461	-0.13400	-0.18805	0.09080	0.05120	0.08465

happy_in_h-e	-0.08699	0.09904	-0.19967	-0.16777	0.29002	0.02742
scary_dreams	0.41306	-0.03146	-0.19846	0.19228	0.08681	-0.13490
unhappy	0.56522	0.03276	-0.18525	0.15031	0.13211	-0.11870
happy	-0.18837	0.57348	0.00790	0.07522	-0.05016	-0.01800
play_alone	0.61980	-0.08397	0.15345	-0.17201	-0.09266	0.03257
fights	0.36674	-0.05987	0.01835	0.13405	0.07194	0.24883
feel_worried	0.65394	-0.04926	-0.20299	-0.03274	-0.16537	0.08993
refuse_eat-g	0.42377	0.32230	0.02328	0.12715	0.07417	-0.04857
frustrated	0.66441	0.00469	0.00623	-0.19605	-0.05251	-0.09875
angry	0.62730	0.14851	0.02294	-0.21315	0.08845	0.19554
hopeful	0.19622	0.62417	0.03802	-0.06986	-0.06401	-0.00384
afraid_new	0.56864	-0.19074	0.09919	0.01822	-0.00481	0.01936
trouble_sl-g	0.47322	-0.09585	0.10962	-0.08509	0.11506	-0.25400
hard_make_s	0.55320	0.04630	0.16784	0.14210	0.09282	0.05208
running_away	0.26207	-0.03686	0.05608	0.12036	-0.26044	-0.11534
gaurdian_t-t	0.18721	0.02522	0.07685	0.32984	-0.05827	0.10070

Factor Loadings				
Variable	7	8	9	Uniqueness
mother_alive	0.09651	0.08893	0.09254	0.85672
father_alive	0.11883	0.04376	-0.04917	0.78155
house_money	-0.12968	0.14114	0.08869	0.87987
happy_in_h-e	-0.04783	-0.11044	-0.02474	0.81465
scary_dreams	0.18570	-0.04019	-0.03687	0.68884
unhappy	0.03140	0.07118	0.04640	0.58279
happy	0.04704	-0.02043	-0.01018	0.62434
play_alone	0.05838	-0.06520	0.01676	0.53808
fights	0.12238	-0.06987	0.07872	0.75047
feel_worried	0.16642	0.04994	-0.01461	0.46183
refuse_eat-g	-0.04257	-0.00838	0.04769	0.68781
frustrated	-0.12021	0.09457	-0.04085	0.48249
angry	-0.05077	-0.01418	-0.01741	0.48934
hopeful	0.04312	0.05961	-0.00115	0.55606
afraid_new	0.03757	0.01504	-0.10167	0.61772
trouble_sl-g	-0.02897	-0.01744	0.03341	0.66760
hard_make_s	-0.17727	-0.06805	0.02001	0.59567
running_away	-0.06589	-0.13828	0.05715	0.80447
gaurdian_t-t	-0.13783	0.03665	-0.09651	0.80642

```
. factor mother_alive father_alive house_money happy_in_house scary_dreams unhappy
happy play_alone fig
> hts feel_worried refuse_eating frustrated angry hopeful afraid_new
trouble_sleeping hard_make_friends
> running_away gaurdian_treat, factors(2)
(obs=281)
```

(principal factors; 2 factors retained)				
Factor	Eigenvalue	Difference	Proportion	Cumulative
1	3.50664	2.56811	0.7286	0.7286
2	0.93853	0.41746	0.1950	0.9236
3	0.52107	0.09910	0.1083	1.0319
4	0.42196	0.11208	0.0877	1.1196
5	0.30989	0.05622	0.0644	1.1839
6	0.25366	0.04965	0.0527	1.2367
7	0.20402	0.10496	0.0424	1.2790
8	0.09906	0.04061	0.0206	1.2996
9	0.05845	0.06144	0.0121	1.3118
10	-0.00299	0.02952	-0.0006	1.3111
11	-0.03251	0.01862	-0.0068	1.3044
12	-0.05113	0.01436	-0.0106	1.2938
13	-0.06549	0.09336	-0.0136	1.2802
14	-0.15885	0.01106	-0.0330	1.2472
15	-0.16991	0.02768	-0.0353	1.2119
16	-0.19758	0.02001	-0.0411	1.1708
17	-0.21760	0.07058	-0.0452	1.1256
18	-0.28818	0.02808	-0.0599	1.0657

Variable	Factor Loadings		Uniqueness
	1	2	
mother_alive	-0.03949	-0.02994	0.99754
father_alive	-0.10672	-0.02467	0.98800
house_money	0.06461	-0.13400	0.97787
happy_in_h-e	-0.08699	0.09904	0.98262
scary_dreams	0.41306	-0.03146	0.82839
unhappy	0.56522	0.03276	0.67945
happy	-0.18837	0.57348	0.63563
play_alone	0.61980	-0.08397	0.60880
fights	0.36674	-0.05987	0.86192
feel_worried	0.65394	-0.04926	0.56994
refuse_eat-g	0.42377	0.32230	0.71654
frustrated	0.66441	0.00469	0.55854
angry	0.62730	0.14851	0.58444
hopeful	0.19622	0.62417	0.57192
afraid_new	0.56864	-0.19074	0.64026
trouble_sl-g	0.47322	-0.09585	0.76687
hard_make_~s	0.55320	0.04630	0.69182
running_away	0.26207	-0.03686	0.92996
guardian_t-t	0.18721	0.02522	0.96432

. rotate

(varimax rotation)

Variable	Rotated Factor Loadings		Uniqueness
	1	2	
mother_alive	-0.03793	-0.03189	0.99754
father_alive	-0.10534	-0.03002	0.98800
house_money	0.07129	-0.13057	0.97787
happy_in_h-e	-0.09187	0.09453	0.98262
scary_dreams	0.41412	-0.01059	0.82839
unhappy	0.56285	0.06122	0.67945
happy	-0.21706	0.56325	0.63563
play_alone	0.62325	-0.05260	0.60880
fights	0.36929	-0.04130	0.86192
feel_worried	0.65559	-0.01621	0.56994
refuse_eat-g	0.40697	0.34326	0.71654
frustrated	0.66333	0.03819	0.55854
angry	0.61901	0.17996	0.58444
hopeful	0.16449	0.63327	0.57192
afraid_new	0.57754	-0.16182	0.64026
trouble_sl-g	0.47745	-0.07186	0.76687
hard_make_~s	0.55016	0.07414	0.69182
running_away	0.26359	-0.02360	0.92996
guardian_t-t	0.18570	0.03463	0.96432

. rotate, promax

(promax rotation)

Variable	Rotated Factor Loadings		Uniqueness
	1	2	
mother_alive	-0.03758	-0.03125	0.99754
father_alive	-0.10504	-0.02823	0.98800
house_money	0.07278	-0.13182	0.97787
happy_in_h-e	-0.09297	0.09612	0.98262
scary_dreams	0.41438	-0.01767	0.82839
unhappy	0.56235	0.05162	0.67945
happy	-0.22347	0.56711	0.63563
play_alone	0.62405	-0.06327	0.60880
fights	0.36988	-0.04762	0.86192
feel_worried	0.65599	-0.02742	0.56994
refuse_eat-g	0.40325	0.33640	0.71654

```

frustrated | 0.66312 0.02686 0.55854
  angry    | 0.61719 0.16943 0.58444
    hopeful| 0.15742 0.63062 0.57192
  afraid_new| 0.57956 -0.17173 0.64026
trouble_sl~g| 0.47842 -0.08004 0.76687
hard_make_~s| 0.54952 0.06475 0.69182
running_away| 0.26395 -0.02811 0.92996
gaurdian_t~t| 0.18538 0.03146 0.96432

```

```

.
. preserve

```

```

. drop if sex==1
(257 observations deleted)

```

```

. factor attend_ed failed_grade mother_alive father_alive house_money meals_per_day
water_source happy_
> in_house scary_dreams unhappy happy play_alone fights feel_worried refuse_eating
frustrated angry hop
> eful afraid_new trouble_sleeping hard_make_friends running_away gaurdian_treat
stigma_adults_talk com
> fort_you total_kids
(obs=93)

```

(principal factors; 16 factors retained)

Factor	Eigenvalue	Difference	Proportion	Cumulative
1	4.51075	3.05897	0.4279	0.4279
2	1.45178	0.23032	0.1377	0.5656
3	1.22145	0.22174	0.1159	0.6814
4	0.99972	0.11498	0.0948	0.7763
5	0.88473 **	0.14263	0.0839	0.8602
6	0.74211	0.11168	0.0704	0.9306
7	0.63043	0.06629	0.0598	0.9904
8	0.56414	0.11733	0.0535	1.0439
9	0.44681	0.11373	0.0424	1.0863
10	0.33308	0.05023	0.0316	1.1179
11	0.28285	0.08020	0.0268	1.1447
12	0.20264	0.05140	0.0192	1.1639
13	0.15124	0.09575	0.0143	1.1783
14	0.05549	0.03081	0.0053	1.1835
15	0.02468	0.00955	0.0023	1.1859
16	0.01513	0.02847	0.0014	1.1873
17	-0.01334	0.06885	-0.0013	1.1860
18	-0.08219	0.03337	-0.0078	1.1782
19	-0.11557	0.03112	-0.0110	1.1673
20	-0.14669	0.04424	-0.0139	1.1534
21	-0.19094	0.03022	-0.0181	1.1353
22	-0.22116	0.04011	-0.0210	1.1143
23	-0.26127	0.00836	-0.0248	1.0895
24	-0.26963	0.05184	-0.0256	1.0639
25	-0.32147	0.03087	-0.0305	1.0334
26	-0.35235	.	-0.0334	1.0000

Factor Loadings

Variable	1	2	3	4	5	6
attend_ed	-0.08270	-0.13975	0.01807	-0.02977	-0.13273	-0.12301
failed_grade	0.20525	-0.12924	0.29113	0.18459	-0.00138	-0.28922
mother_alive	-0.14341	-0.21327	-0.12060	0.13287	0.22187	0.14291
father_alive	-0.11274	-0.10769	0.14481	0.26067	0.17245	0.35548
house_money	0.17721	0.22903	-0.20677	0.33791	-0.07627	-0.36611
meals_per_~y	0.11154	0.01633	0.33802	0.39627	-0.09755	0.08791
water_source	0.17809	-0.34956	0.26374	0.13310	0.02137	-0.13251
happy_in_h-e	-0.11729	0.28721	-0.12431	-0.32431	-0.21908	-0.11438
scary_dreams	0.48481	0.42793	0.07320	0.19230	-0.21455	0.18944
unhappy	0.59479	0.15636	0.17880	0.09522	-0.36061	-0.00580
happy	-0.24856	0.51183	0.16334	0.16499	0.12251	0.02717

play_alone	0.66293	-0.23276	-0.25592	0.08767	0.17441	0.14244
fights	0.46190	0.11702	-0.34997	0.23994	0.18703	0.06342
feel_worried	0.62575	0.20416	-0.19765	0.07868	0.08695	-0.08979
refuse_eat~g	0.43362	0.34068	0.21361	0.00977	0.01053	0.21299
frustrated	0.68492	-0.00176	0.15566	-0.33091	0.02983	-0.08400
angry	0.66705	0.03994	-0.14620	-0.23194	0.28557	-0.06202
hopeful	0.15670	0.37526	0.39344	-0.27744	0.28012	0.06907
afraid_new	0.61590	-0.18188	0.07250	0.09481	-0.07551	-0.03382
trouble_sl~g	0.64363	-0.18850	-0.05456	-0.05034	-0.18173	0.19548
hard_make~s	0.75287	-0.15547	-0.02115	-0.07924	0.05175	-0.05799
running_away	0.33489	-0.27864	0.40480	-0.13782	0.00503	-0.03050
gaurdian_t~t	0.17641	0.17436	-0.30672	0.02650	0.06960	-0.01835
stigma_adu~k	-0.01873	0.22994	0.17225	-0.04022	0.34179	-0.15401
comfort_you	0.11354	0.09611	-0.06184	0.03563	-0.19674	-0.19031
total_kids	-0.02532	0.02354	-0.14711	-0.24408	-0.31226	0.30024

Factor Loadings

Variable	7	8	9	10	11	12
attend_ed	0.14784	0.09550	0.05204	-0.19091	-0.03920	0.14623
failed_grade	-0.12265	0.12986	-0.19855	-0.25155	-0.04332	-0.07345
mother_alive	-0.15594	0.08420	-0.00485	-0.00936	0.21704	-0.08606
father_alive	-0.17588	-0.00728	-0.00394	0.14554	0.02448	-0.01210
house_money	-0.12271	0.13527	0.21237	0.17485	0.01362	0.02217
meals_per~y	-0.02950	-0.11949	0.15873	-0.11168	-0.06182	0.11574
water_source	0.19951	-0.29068	0.01236	-0.01284	0.18228	-0.05729
happy_in_h~e	-0.19385	-0.14414	-0.00649	-0.01956	0.11142	-0.01421
scary_dreams	0.01906	-0.04130	-0.17739	0.04694	0.12948	0.13657
unhappy	-0.07843	0.04077	0.10552	-0.05387	0.12680	-0.23306
happy	-0.05168	-0.06346	0.13453	-0.01991	-0.07436	0.05791
play_alone	0.01839	-0.18368	0.01506	-0.00247	-0.14887	0.02637
fights	0.03776	0.00245	-0.06745	-0.15838	0.10573	0.01539
feel_worried	0.10311	-0.20455	0.01997	-0.05333	0.02133	-0.00711
refuse_eat~g	0.22578	0.12448	-0.12450	-0.07227	-0.07843	-0.07263
frustrated	-0.24719	-0.05341	0.07610	0.00100	-0.10423	0.00963
angry	-0.10260	-0.13955	-0.06549	-0.05755	0.10455	0.04432
hopeful	-0.03247	-0.07985	0.07644	-0.01972	-0.04187	-0.05015
afraid_new	-0.09023	-0.03132	0.09436	0.22224	-0.02802	-0.02047
trouble_sl~g	-0.17797	0.27409	-0.17861	0.04012	-0.09633	0.00275
hard_make~s	0.04815	0.23278	0.21203	-0.04434	0.04744	0.13338
running_away	0.29501	0.01712	0.01916	0.15122	0.06264	0.03465
gaurdian_t~t	0.36907	0.10101	0.08780	0.05479	-0.11991	-0.17861
stigma_adu~k	0.07384	0.32448	-0.07333	0.09139	0.16703	0.06289
comfort_you	0.10599	-0.13314	-0.32624	0.18968	-0.02464	0.07069
total_kids	0.13291	0.04677	0.17664	-0.05449	0.14521	0.05934

Factor Loadings

Variable	13	14	15	16	Uniqueness
attend_ed	-0.07739	-0.02461	0.09120	0.02483	0.83109
failed_grade	0.05008	0.05527	-0.01064	0.01939	0.59075
mother_alive	-0.02076	0.09934	0.01855	-0.02695	0.73470
father_alive	-0.03354	-0.01844	0.04732	0.03667	0.67269
house_money	0.05934	-0.01345	-0.00740	-0.00201	0.50588
meals_per~y	0.00603	-0.02639	0.00632	-0.03687	0.62659
water_source	-0.06612	-0.00124	-0.01443	0.02261	0.57458
happy_in_h~e	0.11332	0.04654	0.04895	-0.01297	0.63308
scary_dreams	-0.07967	0.00996	0.01690	0.00193	0.37969
unhappy	-0.03298	-0.01697	0.01230	0.01903	0.35654
happy	0.03950	0.08115	-0.02121	0.03251	0.56287
play_alone	0.05409	0.05291	0.00182	0.01114	0.31945
fights	0.08921	-0.06941	-0.04287	0.03394	0.49566
feel_worried	-0.14831	0.03049	-0.00641	-0.05843	0.42328
refuse_eat~g	0.14746	-0.01860	0.01651	-0.03039	0.48281
frustrated	-0.10597	-0.05367	-0.03544	0.00804	0.29306
angry	0.08221	-0.04780	0.04459	0.00751	0.33129
hopeful	-0.04868	0.03655	0.00386	0.02191	0.49750
afraid_new	0.08091	-0.03029	0.03029	0.00044	0.48950

trouble_sl-g	-0.06700	0.02161	-0.01324	-0.00917	0.31864
hard_make_-s	0.00193	0.09665	0.00287	0.01320	0.26326
running_away	0.12312	0.02036	-0.01059	-0.01484	0.49481
gaurdian_t-t	-0.07195	0.01448	0.03486	0.01901	0.62815
stigma_adu-k	-0.06682	-0.04506	-0.00536	-0.00766	0.61204
comfort_you	-0.01598	0.05294	-0.00831	0.03134	0.71676
total_kids	0.01865	0.00542	-0.04625	0.02241	0.64829

```
. factor attend_ed failed_grade mother_alive father_alive house_money meals_per_day
water_source happy_
> in_house scary_dreams unhappy happy play_alone fights feel_worried refuse_eating
frustrated angry hop
> eful afraid_new trouble_sleeping hard_make_friends running_away gaurdian_treat
stigma_adults_talk com
> fort_you total_kids, factors(3)
(obs=93)
```

(principal factors; 3 factors retained)				
Factor	Eigenvalue	Difference	Proportion	Cumulative
1	4.51075	3.05897	0.4279	0.4279
2	1.45178	0.23032	0.1377	0.5656
3	1.22145	0.22174	0.1159	0.6814
4	0.99972	0.11498	0.0948	0.7763
5	0.88473	0.14263	0.0839	0.8602
6	0.74211	0.11168	0.0704	0.9306
7	0.63043	0.06629	0.0598	0.9904
8	0.56414	0.11733	0.0535	1.0439
9	0.44681	0.11373	0.0424	1.0863
10	0.33308	0.05023	0.0316	1.1179
11	0.28285	0.08020	0.0268	1.1447
12	0.20264	0.05140	0.0192	1.1639
13	0.15124	0.09575	0.0143	1.1783
14	0.05549	0.03081	0.0053	1.1835
15	0.02468	0.00955	0.0023	1.1859
16	0.01513	0.02847	0.0014	1.1873
17	-0.01334	0.06885	-0.0013	1.1860
18	-0.08219	0.03337	-0.0078	1.1782
19	-0.11557	0.03112	-0.0110	1.1673
20	-0.14669	0.04424	-0.0139	1.1534
21	-0.19094	0.03022	-0.0181	1.1353
22	-0.22116	0.04011	-0.0210	1.1143
23	-0.26127	0.00836	-0.0248	1.0895
24	-0.26963	0.05184	-0.0256	1.0639
25	-0.32147	0.03087	-0.0305	1.0334
26	-0.35235	.	-0.0334	1.0000

Factor Loadings				
Variable	1	2	3	Uniqueness
attend_ed	-0.08270	-0.13975	0.01807	0.97330
failed_grade	0.20525	-0.12924	0.29113	0.85641
mother_alive	-0.14341	-0.21327	-0.12060	0.91940
father_alive	-0.11274	-0.10769	0.14481	0.95472
house_money	0.17721	0.22903	-0.20677	0.87339
meals_per_-y	0.11154	0.01633	0.33802	0.87303
water_source	0.17809	-0.34956	0.26374	0.77653
happy_in_h-e	-0.11729	0.28721	-0.12431	0.88830
scary_dreams	0.48481	0.42793	0.07320	0.57648
unhappy	0.59479	0.15636	0.17880	0.58981
happy	-0.24856	0.51183	0.16334	0.64957
play_alone	0.66293	-0.23276	-0.25592	0.44086
fights	0.46190	0.11702	-0.34997	0.65048
feel_worried	0.62575	0.20416	-0.19765	0.52769
refuse_eat-g	0.43362	0.34068	0.21361	0.65028
frustrated	0.68492	-0.00176	0.15566	0.50664
angry	0.66705	0.03994	-0.14620	0.53207
hopeful	0.15670	0.37526	0.39344	0.67984

afraid_new	0.61590	-0.18188	0.07250	0.58233
trouble_sl-g	0.64363	-0.18850	-0.05456	0.54723
hard_make_~s	0.75287	-0.15547	-0.02115	0.40857
running_away	0.33489	-0.27864	0.40480	0.64635
gaurdian_t~t	0.17641	0.17436	-0.30672	0.84440
stigma_adu-k	-0.01873	0.22994	0.17225	0.91711
comfort_you	0.11354	0.09611	-0.06184	0.97405
total_kids	-0.02532	0.02354	-0.14711	0.97716

. rotate

(varimax rotation)

Variable	Rotated Factor Loadings			Uniqueness
	1	2	3	
attend_ed	-0.06193	-0.12383	0.08676	0.97330
failed_grade	0.16618	0.09479	0.32709	0.85641
mother_alive	-0.08417	-0.27100	0.00824	0.91940
father_alive	-0.11920	-0.03771	0.17219	0.95472
house_money	0.17429	0.11916	-0.28642	0.87339
meals_per_~y	0.04407	0.21710	0.27909	0.87303
water_source	0.17896	-0.10616	0.42447	0.77653
happy_in_h~e	-0.13571	0.14258	-0.27010	0.88830
scary_dreams	0.39102	0.50009	-0.14331	0.57648
unhappy	0.52062	0.35877	0.10211	0.58981
happy	-0.35047	0.44780	-0.16454	0.64957
play_alone	0.72642	-0.17306	-0.03874	0.44086
fights	0.49419	0.01743	-0.32403	0.65048
feel_worried	0.61197	0.20663	-0.23474	0.52769
refuse_eat~g	0.32922	0.49092	0.01808	0.65028
frustrated	0.63687	0.23790	0.17653	0.50664
angry	0.66814	0.10885	-0.09833	0.53207
hopeful	0.02217	0.55037	0.12947	0.67984
afraid_new	0.61294	0.03083	0.20253	0.58233
trouble_sl-g	0.66408	-0.03517	0.10259	0.54723
hard_make_~s	0.75893	0.03456	0.11943	0.40857
running_away	0.29446	0.06221	0.51291	0.64635
gaurdian_t~t	0.20022	0.02157	-0.33918	0.84440
stigma_adu-k	-0.08527	0.27462	0.01444	0.91711
comfort_you	0.10663	0.07214	-0.09685	0.97405
total_kids	-0.00138	-0.06407	-0.13686	0.97716

. rotate,promax

(promax rotation)

Variable	Rotated Factor Loadings			Uniqueness
	1	2	3	
attend_ed	-0.04580	-0.12030	0.08392	0.97330
failed_grade	0.12992	0.10217	0.33134	0.85641
mother_alive	-0.03682	-0.27332	0.00205	0.91940
father_alive	-0.12453	-0.02557	0.17076	0.95472
house_money	0.17279	0.10162	-0.28314	0.87339
meals_per_~y	-0.01228	0.23184	0.28456	0.87303
water_source	0.17274	-0.10059	0.42504	0.77653
happy_in_h~e	-0.14544	0.14206	-0.26916	0.88830
scary_dreams	0.31406	0.48714	-0.13002	0.57648
unhappy	0.45467	0.34568	0.11436	0.58981
happy	-0.42383	0.47032	-0.15919	0.64957
play_alone	0.76697	-0.21597	-0.03563	0.44086
fights	0.51645	-0.02050	-0.31994	0.65048
feel_worried	0.59568	0.17122	-0.22554	0.52769
refuse_eat~g	0.24303	0.48749	0.03102	0.65028
frustrated	0.58901	0.21885	0.18761	0.50664
angry	0.66127	0.07366	-0.09024	0.53207
hopeful	-0.08474	0.56862	0.14106	0.67984
afraid_new	0.60041	0.00877	0.20930	0.58233
trouble_sl-g	0.67026	-0.06560	0.10826	0.54723

hard_make_~s	0.75242	0.00177	0.12741	0.40857
running_away	0.25347	0.06984	0.51815	0.64635
gaurdian_t~t	0.21987	-0.00193	-0.33775	0.84440
stigma_adu~k	-0.13635	0.28656	0.01921	0.91711
comfort_you	0.10086	0.06460	-0.09466	0.97405
total_kids	0.01883	-0.07124	-0.13850	0.97716

```
. factor mother_alive father_alive house_money happy_in_house scary_dreams unhappy
happy_play_alone fig
> hts feel_worried refuse_eating frustrated angry hopeful afraid_new
trouble_sleeping hard_make_friends
> running_away gaurdian_treat stigma_adults_talk total_kids
(obs=100)
```

(principal factors; 13 factors retained)

Factor	Eigenvalue	Difference	Proportion	Cumulative
1	4.36052	3.13603	0.5434	0.5434
2	1.22448	0.27073	0.1526	0.6960
3	0.95376	0.16738	0.1189	0.8149
4	0.78637	0.16164	0.0980	0.9129
5	0.62473	0.08909	0.0779	0.9908
6	0.53564	0.09867	0.0668	1.0575
7	0.43697	0.09905	0.0545	1.1120
8	0.33792	0.17295	0.0421	1.1541
9	0.16497	0.03649	0.0206	1.1747
10	0.12848	0.05577	0.0160	1.1907
11	0.07271	0.04458	0.0091	1.1997
12	0.02812	0.00864	0.0035	1.2032
13	0.01949	0.09377	0.0024	1.2057
14	-0.07429	0.02999	-0.0093	1.1964
15	-0.10428	0.05195	-0.0130	1.1834
16	-0.15623	0.02059	-0.0195	1.1639
17	-0.17682	0.04068	-0.0220	1.1419
18	-0.21750	0.05329	-0.0271	1.1148
19	-0.27079	0.04239	-0.0337	1.0811
20	-0.31318	0.02403	-0.0390	1.0420
21	-0.33721	.	-0.0420	1.0000

Variable	Factor Loadings					
	1	2	3	4	5	6
mother_alive	-0.12597	-0.20933	0.10483	0.21522	0.04681	0.13579
father_alive	-0.11432	-0.13333	-0.00872	0.35712	0.30480	-0.15103
house_money	0.14556	0.12497	0.37485	-0.15064	0.02560	-0.31024
happy_in_h-e	-0.10935	0.24089	-0.02064	-0.36501	-0.18004	0.16620
scary_dreams	0.42966	0.37681	0.11167	-0.07318	0.33914	0.14716
unhappy	0.59501	0.18172	-0.04921	-0.23542	0.28226	-0.07827
happy	-0.24192	0.51095	0.13451	0.15074	0.09559	0.09035
play_alone	0.68039	-0.31205	0.17324	0.16153	-0.06993	0.17017
fight	0.46392	-0.00663	0.44215	0.11177	0.01899	0.09588
feel_worried	0.64607	0.14344	0.26806	0.00450	-0.14862	0.01310
refuse_eat~g	0.40583	0.32838	-0.05955	0.06994	0.12796	-0.10211
frustrated	0.67369	0.09894	-0.28714	-0.07633	-0.17620	0.07602
angry	0.68137	0.04725	0.01581	0.05696	-0.32258	0.20065
hopeful	0.14936	0.47397	-0.29978	0.27463	-0.09325	0.15877
afraid_new	0.62165	-0.16697	-0.07656	0.02713	0.13320	-0.07247
trouble_sl~g	0.63964	-0.22296	-0.12021	-0.08482	0.23293	0.09220
hard_make_~s	0.75476	-0.11269	-0.08756	0.01212	-0.09239	-0.18549
running_away	0.31312	-0.09185	-0.43735	0.13580	0.04989	-0.23021
gaurdian_t~t	0.18841	0.04433	0.25276	0.10250	-0.08648	-0.21813
stigma_adu~k	-0.02746	0.29996	-0.05365	0.29785	-0.10187	-0.23577
total_kids	-0.03203	-0.00161	-0.09629	-0.34549	0.06601	0.10123

Variable	Factor Loadings					
	7	8	9	10	11	12
mother_alive	0.08721	0.10009	0.15452	0.06071	0.11297	-0.04024

father_alive	0.08985	-0.06050	0.02889	-0.02841	0.05454	0.04004
house_money	0.32453	-0.00099	-0.03822	0.04854	-0.01574	0.02595
happy_in_h~e	0.05981	-0.04321	0.03175	-0.00876	0.09764	0.01758
scary_dreams	-0.02339	0.11766	-0.01764	0.00148	-0.02320	-0.05805
unhappy	0.04116	-0.12058	0.06488	-0.05606	0.10727	0.01492
happy	0.08630	-0.08905	-0.02451	0.17002	-0.05430	0.01059
play_alone	-0.08619	-0.12861	-0.03373	0.08378	-0.05568	0.00907
fights	-0.05047	0.15711	-0.12888	-0.00037	0.02692	0.02554
feel_worried	-0.08693	-0.09919	0.03211	-0.03654	0.01731	-0.10539
refuse_eat~g	-0.28094	0.02420	-0.07247	-0.06667	0.00114	0.04404
frustrated	0.17353	-0.06990	0.05305	-0.03082	-0.09072	-0.00417
angry	0.07223	0.12889	-0.08765	-0.05515	0.06774	0.04403
hopeful	0.01386	-0.09548	0.06373	0.04374	0.00866	0.01780
afraid_new	0.19465	-0.15263	-0.04228	0.02498	0.03390	0.00776
trouble_sl~g	0.03928	0.14889	0.11444	-0.07302	-0.09757	0.01685
hard_make~s	-0.00195	0.11850	0.10427	0.17619	0.01958	0.01227
running_away	-0.08172	-0.00576	-0.17419	0.06663	0.06273	-0.04140
gaurdian_t~t	-0.27524	-0.16513	0.17475	-0.01854	0.00596	0.03815
stigma_adu~k	0.09424	0.29305	0.07906	-0.06380	-0.00131	-0.00763
total_kids	-0.19994	0.17640	0.03463	0.15793	0.01241	0.02093

Factor Loadings		
Variable	13	Uniqueness
mother_alive	0.00370	0.80279
father_alive	-0.01802	0.70755
house_money	0.00308	0.59302
happy_in_h~e	0.05119	0.71732
scary_dreams	0.04278	0.49847
unhappy	-0.05169	0.43131
happy	-0.00985	0.57425
play_alone	0.03352	0.31330
fights	-0.03711	0.52060
feel_worried	-0.01951	0.43633
refuse_eat~g	0.00869	0.60100
frustrated	-0.03732	0.36285
angry	0.00499	0.34659
hopeful	-0.00185	0.53817
afraid_new	0.07078	0.48626
trouble_sl~g	0.01260	0.40465
hard_make~s	-0.02464	0.30978
running_away	0.00437	0.58116
gaurdian_t~t	0.02730	0.69694
stigma_adu~k	0.03165	0.64557
total_kids	0.00160	0.75790

```
. factor mother_alive father_alive house_money happy_in_house scary_dreams unhappy
happy play_alone fig
> hts feel_worried refuse_eating frustrated angry hopeful afraid_new
trouble_sleeping hard_make_friends
> running_away gaurdian_treat stigma_adults_talk total_kids, factors(3)
(obs=100)
```

(principal factors; 3 factors retained)				
Factor	Eigenvalue	Difference	Proportion	Cumulative
1	4.36052	3.13603	0.5434	0.5434
2	1.22448	0.27073	0.1526	0.6960
3	0.95376	0.16738	0.1189	0.8149
4	0.78637	0.16164	0.0980	0.9129
5	0.62473	0.08909	0.0779	0.9908
6	0.53564	0.09867	0.0668	1.0575
7	0.43697	0.09905	0.0545	1.1120
8	0.33792	0.17295	0.0421	1.1541
9	0.16497	0.03649	0.0206	1.1747
10	0.12848	0.05577	0.0160	1.1907
11	0.07271	0.04458	0.0091	1.1997
12	0.02812	0.00864	0.0035	1.2032

13	0.01949	0.09377	0.0024	1.2057
14	-0.07429	0.02999	-0.0093	1.1964
15	-0.10428	0.05195	-0.0130	1.1834
16	-0.15623	0.02059	-0.0195	1.1639
17	-0.17682	0.04068	-0.0220	1.1419
18	-0.21750	0.05329	-0.0271	1.1148
19	-0.27079	0.04239	-0.0337	1.0811
20	-0.31318	0.02403	-0.0390	1.0420
21	-0.33721	.	-0.0420	1.0000

Factor Loadings				
Variable	1	2	3	Uniqueness
mother_alive	-0.12597	-0.20933	0.10483	0.92932
father_alive	-0.11432	-0.13333	-0.00872	0.96908
house_money	0.14556	0.12497	0.37485	0.82268
happy_in_h-e	-0.10935	0.24089	-0.02064	0.92959
scary_dreams	0.42966	0.37681	0.11167	0.66094
unhappy	0.59501	0.18172	-0.04921	0.61051
happy	-0.24192	0.51095	0.13451	0.66231
play_alone	0.68039	-0.31205	0.17324	0.40968
fights	0.46392	-0.00663	0.44215	0.58924
feel_worried	0.64607	0.14344	0.26806	0.49016
refuse_eat-g	0.40583	0.32838	-0.05955	0.72392
frustrated	0.67369	0.09894	-0.28714	0.45390
angry	0.68137	0.04725	0.01581	0.53325
hopeful	0.14936	0.47397	-0.29978	0.66318
afraid_new	0.62165	-0.16697	-0.07656	0.57981
trouble_sl-g	0.63964	-0.22296	-0.12021	0.52670
hard_make~s	0.75476	-0.11269	-0.08756	0.40997
running_away	0.31312	-0.09185	-0.43735	0.70225
gaurdian_t~t	0.18841	0.04433	0.25276	0.89865
stigma_adu-k	-0.02746	0.29996	-0.05365	0.90639
total_kids	-0.03203	-0.00161	-0.09629	0.98970

. rotate

(varimax rotation)				
Rotated Factor Loadings				
Variable	1	2	3	Uniqueness
mother_alive	-0.09238	-0.24805	0.02478	0.92932
father_alive	-0.08245	-0.14238	-0.06206	0.96908
house_money	0.06857	0.03678	0.41384	0.82268
happy_in_h-e	-0.15306	0.21566	0.02178	0.92959
scary_dreams	0.32555	0.39543	0.27698	0.66094
unhappy	0.54632	0.28325	0.10389	0.61051
happy	-0.35671	0.40572	0.21410	0.66231
play_alone	0.70280	-0.23215	0.20618	0.40968
fights	0.39618	-0.05435	0.50085	0.58924
feel_worried	0.56395	0.16632	0.40513	0.49016
refuse_eat-g	0.33385	0.39381	0.09765	0.72392
frustrated	0.66953	0.28469	-0.12950	0.45390
angry	0.64962	0.15199	0.14709	0.53325
hopeful	0.08512	0.55689	-0.13947	0.66318
afraid_new	0.64729	-0.03444	-0.00531	0.57981
trouble_sl-g	0.68173	-0.07217	-0.05779	0.52670
hard_make~s	0.76670	0.04181	0.02136	0.40997
running_away	0.37763	0.08732	-0.38408	0.70225
gaurdian_t~t	0.14205	0.00184	0.28490	0.89865
stigma_adu-k	-0.08159	0.29421	0.01970	0.90639
total_kids	-0.01868	0.02027	-0.09768	0.98970

. rotate, promax

(promax rotation)				
Rotated Factor Loadings				
Variable	1	2	3	Uniqueness

mother_alive	-0.06236	-0.25214	0.04208	0.92932
father_alive	-0.05576	-0.13898	-0.05351	0.96908
house_money	0.01201	0.00909	0.41788	0.82268
happy_in_h-e	-0.18540	0.22343	0.00527	0.92959
scary_dreams	0.23866	0.37642	0.25566	0.66094
unhappy	0.49700	0.26631	0.09008	0.61051
happy	-0.43947	0.41133	0.18493	0.66231
play_alone	0.71070	-0.27125	0.23220	0.40968
fights	0.34213	-0.09933	0.51567	0.58924
feel_worried	0.49273	0.12713	0.40427	0.49016
refuse_eat-g	0.26968	0.38597	0.07390	0.72392
frustrated	0.64969	0.27901	-0.14572	0.45390
angry	0.61295	0.12642	0.14425	0.53325
hopeful	0.02780	0.57509	-0.18063	0.66318
afraid_new	0.65483	-0.05417	0.00295	0.57981
trouble_sl-g	0.70105	-0.09038	-0.04728	0.52670
hard_make_s	0.76104	0.01843	0.02564	0.40997
running_away	0.41528	0.10242	-0.39253	0.70225
gaurdian_t-t	0.10660	-0.02056	0.29023	0.89865
stigma_adu-k	-0.12401	0.30165	-0.00183	0.90639
total_kids	-0.00924	0.02750	-0.10073	0.98970

```
. factor mother_alive father_alive house_money happy_in_house scary_dreams unhappy
happy play_alone fig
> hts feel_worried refuse_eating frustrated angry hopeful afraid_new
trouble_sleeping hard_make_friends
> running_away gaurdian_treat stigma_adults_talk total_kids, factors(2)
(obs=100)
```

(principal factors; 2 factors retained)				
Factor	Eigenvalue	Difference	Proportion	Cumulative
1	4.36052	3.13603	0.5434	0.5434
2	1.22448	0.27073	0.1526	0.6960
3	0.95376	0.16738	0.1189	0.8149
4	0.78637	0.16164	0.0980	0.9129
5	0.62473	0.08909	0.0779	0.9908
6	0.53564	0.09867	0.0668	1.0575
7	0.43697	0.09905	0.0545	1.1120
8	0.33792	0.17295	0.0421	1.1541
9	0.16497	0.03649	0.0206	1.1747
10	0.12848	0.05577	0.0160	1.1907
11	0.07271	0.04458	0.0091	1.1997
12	0.02812	0.00864	0.0035	1.2032
13	0.01949	0.09377	0.0024	1.2057
14	-0.07429	0.02999	-0.0093	1.1964
15	-0.10428	0.05195	-0.0130	1.1834
16	-0.15623	0.02059	-0.0195	1.1639
17	-0.17682	0.04068	-0.0220	1.1419
18	-0.21750	0.05329	-0.0271	1.1148
19	-0.27079	0.04239	-0.0337	1.0811
20	-0.31318	0.02403	-0.0390	1.0420
21	-0.33721	.	-0.0420	1.0000

Variable	Factor Loadings		Uniqueness
	1	2	
mother_alive	-0.12597	-0.20933	0.94031
father_alive	-0.11432	-0.13333	0.96915
house_money	0.14556	0.12497	0.96319
happy_in_h-e	-0.10935	0.24089	0.93001
scary_dreams	0.42966	0.37681	0.67341
unhappy	0.59501	0.18172	0.61294
happy	-0.24192	0.51095	0.68040
play_alone	0.68039	-0.31205	0.43969
fights	0.46392	-0.00663	0.78474
feel_worried	0.64607	0.14344	0.56202

refuse_eat-g	0.40583	0.32838	0.72747
frustrated	0.67369	0.09894	0.53636
angry	0.68137	0.04725	0.53350
hopeful	0.14936	0.47397	0.75305
afraid_new	0.62165	-0.16697	0.58567
trouble_sl-g	0.63964	-0.22296	0.54115
hard_make_~s	0.75476	-0.11269	0.41764
running_away	0.31312	-0.09185	0.89352
gaurdian_t-t	0.18841	0.04433	0.96254
stigma_adu-k	-0.02746	0.29996	0.90927
total_kids	-0.03203	-0.00161	0.99897

. rotate

(varimax rotation)

Variable	Rotated Factor Loadings		
	1	2	Uniqueness
mother_alive	-0.08767	-0.22804	0.94031
father_alive	-0.08940	-0.15117	0.96915
house_money	0.12162	0.14837	0.96319
happy_in_h-e	-0.14956	0.21822	0.93001
scary_dreams	0.35762	0.44576	0.67341
unhappy	0.55437	0.28239	0.61294
happy	-0.32705	0.46112	0.68040
play_alone	0.72428	-0.18903	0.43969
fight	0.45801	0.07412	0.78474
feel_worried	0.61130	0.25356	0.56202
refuse_eat-g	0.34257	0.39392	0.72747
frustrated	0.64623	0.21454	0.53636
angry	0.66278	0.16497	0.53350
hopeful	0.06469	0.49272	0.75305
afraid_new	0.64121	-0.05637	0.58567
trouble_sl-g	0.66866	-0.10838	0.54115
hard_make_~s	0.76286	0.02022	0.41764
running_away	0.32432	-0.03602	0.89352
gaurdian_t-t	0.17783	0.07641	0.96254
stigma_adu-k	-0.07919	0.29062	0.90927
total_kids	-0.03126	-0.00715	0.99897

. rotate, promax

(promax rotation)

Variable	Rotated Factor Loadings		
	1	2	Uniqueness
mother_alive	-0.05023	-0.22892	0.94031
father_alive	-0.06484	-0.15035	0.96915
house_money	0.09780	0.14605	0.96319
happy_in_h-e	-0.18733	0.22955	0.93001
scary_dreams	0.28598	0.43912	0.67341
unhappy	0.51172	0.26346	0.61294
happy	-0.40696	0.48556	0.68040
play_alone	0.76195	-0.22555	0.43969
fight	0.44941	0.05511	0.78474
feel_worried	0.57395	0.23146	0.56202
refuse_eat-g	0.27949	0.38687	0.72747
frustrated	0.61571	0.19005	0.53636
angry	0.64069	0.13869	0.53350
hopeful	-0.01724	0.50023	0.75305
afraid_new	0.65599	-0.08636	0.58567
trouble_sl-g	0.69237	-0.14070	0.54115
hard_make_~s	0.76583	-0.01361	0.41764
running_away	0.33305	-0.05135	0.89352
gaurdian_t-t	0.16652	0.07004	0.96254
stigma_adu-k	-0.12849	0.30032	0.90927
total_kids	-0.03033	-0.00590	0.99897

```

. factor mother_alive father_alive house_money happy_in_house scary_dreams unhappy
happy play_alone fig
> hts feel_worried refuse_eating frustrated angry hopeful afraid_new
trouble_sleeping hard_make_friends
> running_away gaurdian_treat stigma_adults_talk
(obs=146)

```

(principal factors; 11 factors retained)

Factor	Eigenvalue	Difference	Proportion	Cumulative
1	3.65761	2.59671	0.6007	0.6007
2	1.06089	0.28517	0.1742	0.7749
3	0.77572	0.17792	0.1274	0.9023
4	0.59780	0.14827	0.0982	1.0004
5	0.44953	0.04240	0.0738	1.0743
6	0.40713	0.04073	0.0669	1.1411
7	0.36640	0.15402	0.0602	1.2013
8	0.21238	0.09465	0.0349	1.2362
9	0.11772	0.02596	0.0193	1.2555
10	0.09176	0.06208	0.0151	1.2706
11	0.02968	0.06172	0.0049	1.2755
12	-0.03203	0.02075	-0.0053	1.2702
13	-0.05279	0.04779	-0.0087	1.2615
14	-0.10057	0.04175	-0.0165	1.2450
15	-0.14233	0.06540	-0.0234	1.2216
16	-0.20773	0.02720	-0.0341	1.1875
17	-0.23493	0.02322	-0.0386	1.1489
18	-0.25815	0.03964	-0.0424	1.1065
19	-0.29779	0.05320	-0.0489	1.0576
20	-0.35099	.	-0.0576	1.0000

Variable	Factor Loadings					
	1	2	3	4	5	6
mother_alive	-0.04764	-0.16966	0.21411	0.15534	-0.11026	0.29183
father_alive	-0.10267	-0.08615	0.16735	0.06056	0.05692	0.33464
house_money	0.09793	-0.00688	-0.29532	0.04397	-0.09864	-0.11009
happy_in_h-e	-0.05457	0.16039	-0.10605	-0.16260	-0.32144	-0.09363
scary_dreams	0.34181	0.01983	-0.36231	-0.09236	0.15344	0.21859
unhappy	0.59125	0.09830	-0.24685	-0.25821	0.04443	0.13687
happy	-0.13580	0.53181	-0.00142	0.11684	0.00479	0.08369
play_alone	0.60523	-0.23607	0.21096	0.20877	-0.04721	0.04961
fighths	0.46727	-0.05708	-0.19214	0.41006	-0.03945	0.04090
feel_worried	0.60305	-0.06597	-0.30071	0.12675	-0.02288	0.01700
refuse_eat-g	0.44911	0.37432	-0.07542	-0.01207	0.11271	0.05741
frustrated	0.65978	0.01197	0.13383	-0.24586	-0.11488	-0.04631
angry	0.62758	0.11400	0.16315	0.13059	-0.30460	-0.10800
hopeful	0.27354	0.54769	0.22841	-0.03807	-0.03551	0.12217
afraid_new	0.53157	-0.17837	0.06730	0.01862	0.16105	-0.13544
trouble_sl-g	0.52613	-0.20340	0.09466	-0.23358	-0.02475	0.11953
hard_make--s	0.65928	0.05910	0.19134	0.02948	0.05560	-0.07643
running_away	0.26970	-0.04789	0.22854	-0.10425	0.31680	-0.15755
gaurdian_t~t	0.15352	0.03758	-0.14999	0.21914	0.10656	-0.08822
stigma_adu-k	-0.05509	0.33028	0.11016	0.17667	0.17302	-0.08969

Variable	Factor Loadings					Uniqueness
	7	8	9	10	11	
mother_alive	0.03722	-0.02007	-0.03227	0.02108	0.06456	0.79421
father_alive	0.14608	0.04644	0.02936	0.05708	-0.06700	0.80304
house_money	0.28308	0.14095	-0.00241	0.11895	0.02922	0.76435
happy_in_h-e	0.00795	0.01548	0.06437	-0.06084	0.05472	0.81038
scary_dreams	-0.15671	0.12024	-0.06512	-0.06811	0.02510	0.62312
unhappy	0.12623	-0.02513	0.03841	0.04430	0.00535	0.47241
happy	-0.03385	0.07374	0.13611	0.04820	0.04893	0.64822
play_alone	-0.03135	-0.04579	0.04901	-0.02374	0.07100	0.47410
fighths	-0.04053	0.13594	0.01470	-0.04170	-0.01843	0.54769
feel_worried	-0.23967	-0.12570	-0.03791	0.07194	0.00037	0.44482

refuse_eat~g	0.15440	-0.06275	0.04018	-0.13376	-0.03232	0.58802
frustrated	-0.06748	-0.00982	-0.12436	0.09629	-0.00493	0.44143
angry	-0.04240	0.07939	-0.00649	-0.06603	-0.06378	0.42846
hopeful	-0.14509	-0.06562	0.00656	0.08084	-0.01071	0.52335
afraid_new	-0.02508	0.11327	0.13693	0.09793	-0.02698	0.59394
trouble_sl~g	0.11465	0.03489	-0.01327	-0.06789	0.01166	0.58411
hard_make~s	0.23989	-0.03795	-0.02658	-0.00920	0.02538	0.45502
running_away	-0.12653	0.05626	0.06149	-0.03648	0.03666	0.71106
gaurdian_t~t	0.13452	-0.28844	-0.00250	0.01091	0.00218	0.78394
stigma_adu~k	0.07149	0.12773	-0.20685	0.00426	0.02519	0.74169

```
. factor mother_alive father_alive house_money happy_in_house scary_dreams unhappy
happy play_alone fig
> hts feel_worried refuse_eating frustrated angry hopeful afraid_new
trouble_sleeping hard_make_friends
> running_away gaurdian_treat stigma_adults_talk, factors(2)
(obs=146)
```

(principal factors; 2 factors retained)				
Factor	Eigenvalue	Difference	Proportion	Cumulative
1	3.65761	2.59671	0.6007	0.6007
2	1.06089	0.28517	0.1742	0.7749
3	0.77572	0.17792	0.1274	0.9023
4	0.59780	0.14827	0.0982	1.0004
5	0.44953	0.04240	0.0738	1.0743
6	0.40713	0.04073	0.0669	1.1411
7	0.36640	0.15402	0.0602	1.2013
8	0.21238	0.09465	0.0349	1.2362
9	0.11772	0.02596	0.0193	1.2555
10	0.09176	0.06208	0.0151	1.2706
11	0.02968	0.06172	0.0049	1.2755
12	-0.03203	0.02075	-0.0053	1.2702
13	-0.05279	0.04779	-0.0087	1.2615
14	-0.10057	0.04175	-0.0165	1.2450
15	-0.14233	0.06540	-0.0234	1.2216
16	-0.20773	0.02720	-0.0341	1.1875
17	-0.23493	0.02322	-0.0386	1.1489
18	-0.25815	0.03964	-0.0424	1.1065
19	-0.29779	0.05320	-0.0489	1.0576
20	-0.35099	.	-0.0576	1.0000

Variable	Factor Loadings		Uniqueness
	1	2	
mother_alive	-0.04764	-0.16966	0.96895
father_alive	-0.10267	-0.08615	0.98204
house_money	0.09793	-0.00688	0.99036
happy_in_h-e	-0.05457	0.16039	0.97130
scary_dreams	0.34181	0.01983	0.88277
unhappy	0.59125	0.09830	0.64076
happy	-0.13580	0.53181	0.69873
play_alone	0.60523	-0.23607	0.57797
figts	0.46727	-0.05708	0.77840
feel_worried	0.60305	-0.06597	0.63198
refuse_eat~g	0.44911	0.37432	0.65818
frustrated	0.65978	0.01197	0.56454
angry	0.62758	0.11400	0.59314
hopeful	0.27354	0.54769	0.62521
afraid_new	0.53157	-0.17837	0.68562
trouble_sl~g	0.52613	-0.20340	0.68181
hard_make~s	0.65928	0.05910	0.56186
running_away	0.26970	-0.04789	0.92497
gaurdian_t~t	0.15352	0.03758	0.97502
stigma_adu~k	-0.05509	0.33028	0.88788

```
. rotate
```

```

      (varimax rotation)
      Rotated Factor Loadings
      Variable |      1      2      Uniqueness
      -----|-----
mother_alive | -0.02845  -0.17391  0.96895
father_alive | -0.09244  -0.09706  0.98204
  house_money |  0.09809   0.00407  0.99036
happy_in_h-e | -0.07209   0.15331  0.97130
scary_dreams |  0.33747   0.05778  0.88277
  unhappy    |  0.57662   0.16355  0.64076
  happy      | -0.19420   0.51338  0.69873
  play_alone |  0.62776  -0.16719  0.57797
  fights     |  0.47073  -0.00468  0.77840
feel_worried |  0.60664   0.00162  0.63198
refuse_eat-g |  0.40462   0.42202  0.65818
  frustrated |  0.65435   0.08539  0.56454
  angry      |  0.61098   0.18319  0.59314
  hopeful    |  0.21083   0.57475  0.62521
  afraid_new |  0.54813  -0.11805  0.68562
trouble_sl-g |  0.54551  -0.14353  0.68181
hard_make_~s |  0.64859   0.13217  0.56186
running_away |  0.27335  -0.01755  0.92497
gaurdian_t~t |  0.14838   0.05444  0.97502
stigma_adu~k | -0.09154   0.32208  0.88788

```

```
. rotate, promax
```

```

      (promax rotation)
      Rotated Factor Loadings
      Variable |      1      2      Uniqueness
      -----|-----
mother_alive | -0.02193  -0.17357  0.96895
father_alive | -0.08887  -0.09525  0.98204
  house_money |  0.09804   0.00200  0.99036
happy_in_h-e | -0.07794   0.15507  0.97130
scary_dreams |  0.33564   0.05073  0.88277
  unhappy    |  0.57105   0.15161  0.64076
  happy      | -0.21374   0.51825  0.69873
  play_alone |  0.63469  -0.18070  0.57797
  fights     |  0.47138  -0.01463  0.77840
feel_worried |  0.60720  -0.01120  0.63198
refuse_eat-g |  0.38913   0.41410  0.65818
  frustrated |  0.65179   0.07169  0.56454
  angry      |  0.60470   0.17056  0.59314
  hopeful    |  0.18939   0.57116  0.62521
  afraid_new |  0.55313  -0.12981  0.68562
trouble_sl-g |  0.55148  -0.15528  0.68181
hard_make_~s |  0.64427   0.11866  0.56186
running_away |  0.27429  -0.02335  0.92497
gaurdian_t~t |  0.14648   0.05139  0.97502
stigma_adu~k | -0.10377   0.32450  0.88788

```

```
. restore
```

```
. preserve
```

```
. drop if sex==2
(299 observations deleted)
```

```
. factor attend_ed failed_grade mother_alive father_alive house_money meals_per_day
water_source happy_
> in_house scary_dreams unhappy happy play_alone fights feel_worried refuse_eating
frustrated angry hop
> eful afraid_new trouble_sleeping hard_make_friends running_away gaurdian_treat
stigma_adults_talk com
> fort_you total_kids
(obs=81)
```

## (principal factors; 15 factors retained)

Factor	Eigenvalue	Difference	Proportion	Cumulative
1	4.66480	3.12952	0.3921	0.3921
2	1.53527	0.10928	0.1290	0.5211
3	1.42600	0.34491	0.1199	0.6410
4	1.08109	0.17216	0.0909	0.7318
5	0.90893	0.06943	0.0764	0.8082
6	0.83950	0.10694	0.0706	0.8788
7	0.73256	0.08540	0.0616	0.9403
8	0.64717	0.13802	0.0544	0.9947
9	0.50914	0.09380	0.0428	1.0375
10	0.41534	0.05674	0.0349	1.0724
11	0.35860	0.08064	0.0301	1.1026
12	0.27796	0.01365	0.0234	1.1259
13	0.26430	0.12054	0.0222	1.1482
14	0.14376	0.09452	0.0121	1.1602
15	0.04924	0.06522	0.0041	1.1644
16	-0.01598	0.00702	-0.0013	1.1630
17	-0.02301	0.07354	-0.0019	1.1611
18	-0.09654	0.02984	-0.0081	1.1530
19	-0.12638	0.02195	-0.0106	1.1424
20	-0.14833	0.04320	-0.0125	1.1299
21	-0.19152	0.00964	-0.0161	1.1138
22	-0.20117	0.02728	-0.0169	1.0969
23	-0.22845	0.05358	-0.0192	1.0777
24	-0.28203	0.02874	-0.0237	1.0540
25	-0.31077	0.02083	-0.0261	1.0279
26	-0.33159	.	-0.0279	1.0000

## Factor Loadings

Variable	1	2	3	4	5	6
attend_ed	0.12005	-0.11384	0.35927	-0.20120	0.06267	-0.46952
failed_grade	0.01983	-0.22298	-0.33727	-0.17381	0.37874	0.13558
mother_alive	-0.03315	0.04869	-0.27981	0.11293	0.41082	-0.16174
father_alive	-0.10463	0.04356	0.08726	0.38800	0.10766	0.09091
house_money	0.08457	-0.32003	-0.08431	-0.11911	0.25611	-0.11094
meals_per_y	0.29820	-0.31603	-0.30213	-0.10383	-0.17895	-0.06494
water_source	0.31295	-0.22985	0.45795	-0.11770	0.00620	0.28453
happy_in_h-e	-0.20835	0.02037	0.36249	-0.19340	0.05371	0.40205
scary_dreams	0.56515	-0.03756	0.22431	0.20222	-0.17625	0.00829
unhappy	0.59526	-0.08083	0.07111	-0.02141	0.12022	0.02458
happy	-0.19791	0.53551	-0.01824	-0.11047	-0.18071	0.05037
play_alone	0.71255	-0.05691	-0.10229	-0.27576	-0.26290	0.01759
fight	0.31890	0.08707	0.19508	0.17700	0.27355	0.12665
feel_worried	0.74819	-0.00776	0.00888	-0.10637	-0.10014	-0.08707
refuse_eat-g	0.47066	0.40869	-0.25588	-0.07561	0.23568	0.18269
frustrated	0.76644	0.12367	-0.14082	-0.09191	-0.04942	-0.14571
angry	0.70890	0.28848	0.18993	-0.06507	-0.05070	0.01741
hopeful	0.09453	0.72521	0.07516	-0.09367	0.20587	-0.22095
afraid_new	0.63335	-0.15829	-0.04690	0.15753	0.01100	-0.06427
trouble_sl-g	0.40141	0.18160	-0.30963	0.02789	-0.07836	0.27959
hard_make_s	0.52128	-0.00165	0.36170	0.24440	0.20757	0.08625
running_away	0.27865	-0.04892	-0.42066	0.22649	-0.09626	0.19106
gaurdian_t-t	0.26920	-0.02923	0.03534	0.51098	-0.02415	-0.20004
stigma_adu-k	-0.32582	0.21401	-0.02011	-0.03007	-0.19074	-0.06728
comfort_you	-0.29527	0.04574	0.11395	0.07994	-0.06162	0.07253
total_kids	-0.14332	0.08094	-0.07696	0.40798	-0.21494	-0.01423

## Factor Loadings

Variable	7	8	9	10	11	12
attend_ed	-0.01457	0.06056	0.03568	-0.06345	0.04681	0.03923
failed_grade	0.16785	-0.10236	-0.09193	0.15251	0.01667	-0.03912
mother_alive	-0.23839	0.00861	0.05236	0.21141	0.03608	-0.13324
father_alive	-0.23179	0.25731	0.18798	0.02351	-0.08811	0.18465
house_money	0.21434	0.04972	-0.05558	-0.05319	-0.00928	0.25470

meals_per_y	0.15905	0.36912	0.08743	-0.01749	-0.02374	-0.00059
water_source	0.21925	0.08702	-0.18579	0.19314	-0.13080	0.02340
happy_in_h-e	-0.09966	0.05305	-0.02136	-0.14591	0.05328	-0.06387
scary_dreams	0.14161	0.02858	0.18122	-0.01185	0.26566	-0.04932
unhappy	-0.01231	-0.16528	-0.05864	-0.08560	0.28112	0.08858
happy	0.35223	0.25543	0.00066	0.14065	0.07304	-0.02997
play_alone	-0.17359	-0.02573	0.26804	0.10676	-0.04977	-0.00799
fights	0.04597	0.09795	0.15690	-0.00644	0.01341	0.03543
feel_worried	-0.04482	-0.28703	0.06549	0.10421	0.01044	0.13136
refuse_eat-g	-0.06354	0.10222	0.00953	-0.15138	-0.08388	0.07414
frustrated	-0.02547	0.10138	-0.25574	0.02866	-0.08883	-0.12318
angry	-0.16314	-0.06931	-0.18538	0.01489	-0.18964	0.09719
hopeful	0.20812	-0.01487	0.03680	0.03173	0.08380	0.02926
afraid_new	-0.15867	0.29539	-0.09000	0.12136	0.07719	-0.10072
trouble_sl-g	-0.13438	0.08125	-0.06135	-0.09139	0.12790	0.07459
hard_make_s	0.09920	-0.13792	0.12517	0.03940	-0.09127	-0.20213
running_away	0.30746	-0.23934	0.14135	0.02314	-0.06461	0.00346
guardian_t-t	0.21927	0.03137	-0.06837	-0.09524	-0.16053	0.05495
stigma_adu-k	-0.06607	-0.14330	0.13085	0.04808	-0.16298	-0.00065
comfort_you	-0.07474	0.00811	-0.01449	0.41210	0.08845	0.18217
total_kids	-0.07487	-0.11877	-0.32844	0.01405	0.12603	0.00569

Variable	Factor Loadings			Uniqueness
	13	14	15	
attend_ed	0.01724	0.11933	-0.02844	0.55044
failed_grade	-0.11571	0.04315	-0.02904	0.55584
mother_alive	0.06708	-0.03145	0.05856	0.57824
father_alive	-0.08237	-0.04384	0.00793	0.60269
house_money	0.16901	-0.03062	0.02652	0.64174
meals_per_y	0.15455	0.01537	0.00443	0.47870
water_source	-0.07465	-0.00415	0.06178	0.39014
happy_in_h-e	0.08844	0.00180	-0.07922	0.56733
scary_dreams	0.07373	-0.01827	0.00593	0.42419
unhappy	-0.14598	0.06236	0.08664	0.46075
happy	-0.12603	0.01104	0.02635	0.39431
play_alone	0.00050	0.00072	0.03638	0.21519
fights	0.03507	0.21998	-0.00994	0.64294
feel_worried	-0.10443	-0.07965	-0.08150	0.27035
refuse_eat-g	-0.02549	0.05659	-0.02827	0.39667
frustrated	0.10189	0.04316	-0.00483	0.23284
angry	0.07701	0.00500	0.01324	0.25351
hopeful	0.06428	-0.07812	-0.02283	0.29499
afraid_new	-0.15732	0.02369	-0.07423	0.36036
trouble_sl-g	0.06125	-0.06370	0.05036	0.55589
hard_make_s	0.13705	-0.06764	0.02407	0.36797
running_away	0.05976	0.07403	-0.04731	0.45814
guardian_t-t	-0.11449	-0.05321	-0.00357	0.51618
stigma_adu-k	-0.03472	0.16271	0.05470	0.70426
comfort_you	0.14531	0.02272	-0.03988	0.64237
total_kids	0.10652	0.09374	-0.00069	0.59030

```
. factor attend_ed failed_grade mother_alive father_alive house_money meals_per_day
water_source happy_
> in_house scary_dreams unhappy happy play_alone fights feel_worried refuse_eating
frustrated angry hop
> eful afraid_new trouble_sleeping hard_make_friends running_away gaurdian_treat
stigma_adults_talk com
> fort_you total_kids, factors(3)
(obs=81)
```

(principal factors; 3 factors retained)				
Factor	Eigenvalue	Difference	Proportion	Cumulative
1	4.66480	3.12952	0.3921	0.3921
2	1.53527	0.10928	0.1290	0.5211
3	1.42600	0.34491	0.1199	0.6410
4	1.08109	0.17216	0.0909	0.7318

5	0.90893	0.06943	0.0764	0.8082
6	0.83950	0.10694	0.0706	0.8788
7	0.73256	0.08540	0.0616	0.9403
8	0.64717	0.13802	0.0544	0.9947
9	0.50914	0.09380	0.0428	1.0375
10	0.41534	0.05674	0.0349	1.0724
11	0.35860	0.08064	0.0301	1.1026
12	0.27796	0.01365	0.0234	1.1259
13	0.26430	0.12054	0.0222	1.1482
14	0.14376	0.09452	0.0121	1.1602
15	0.04924	0.06522	0.0041	1.1644
16	-0.01598	0.00702	-0.0013	1.1630
17	-0.02301	0.07354	-0.0019	1.1611
18	-0.09654	0.02984	-0.0081	1.1530
19	-0.12638	0.02195	-0.0106	1.1424
20	-0.14833	0.04320	-0.0125	1.1299
21	-0.19152	0.00964	-0.0161	1.1138
22	-0.20117	0.02728	-0.0169	1.0969
23	-0.22845	0.05358	-0.0192	1.0777
24	-0.28203	0.02874	-0.0237	1.0540
25	-0.31077	0.02083	-0.0261	1.0279
26	-0.33159	.	-0.0279	1.0000

Variable	Factor Loadings			Uniqueness
	1	2	3	
attend_ed	0.12005	-0.11384	0.35927	0.84355
failed_grade	0.01983	-0.22298	-0.33727	0.83614
mother_alive	-0.03315	0.04869	-0.27981	0.91823
father_alive	-0.10463	0.04356	0.08726	0.97954
house_money	0.08457	-0.32003	-0.08431	0.88332
meals_per_y	0.29820	-0.31603	-0.30213	0.71992
water_source	0.31295	-0.22985	0.45795	0.63951
happy_in_h-e	-0.20835	0.02037	0.36249	0.82477
scary_dreams	0.56515	-0.03756	0.22431	0.62888
unhappy	0.59526	-0.08083	0.07111	0.63408
happy	-0.19791	0.53551	-0.01824	0.67373
play_alone	0.71255	-0.05691	-0.10229	0.47857
fight	0.31890	0.08707	0.19508	0.85266
feel_worried	0.74819	-0.00776	0.00888	0.44007
refuse_eat-g	0.47066	0.40869	-0.25588	0.54598
frustrated	0.76644	0.12367	-0.14082	0.37744
angry	0.70890	0.28848	0.18993	0.37817
hopeful	0.09453	0.72521	0.07516	0.45949
afraid_new	0.63335	-0.15829	-0.04690	0.57162
trouble_sl-g	0.40141	0.18160	-0.30963	0.71002
hard_make_s	0.52128	-0.00165	0.36170	0.59744
running_away	0.27865	-0.04892	-0.42066	0.74300
gaurdian_t-t	0.26920	-0.02923	0.03534	0.92543
stigma_adu-k	-0.32582	0.21401	-0.02011	0.84764
comfort_you	-0.29527	0.04574	0.11395	0.89774
total_kids	-0.14332	0.08094	-0.07696	0.96698

. rotate

(varimax rotation)

Variable	Rotated Factor Loadings			Uniqueness
	1	2	3	
attend_ed	0.11080	-0.07472	0.37227	0.84355
failed_grade	0.00521	-0.26528	-0.30572	0.83614
mother_alive	-0.02888	0.01451	-0.28412	0.91823
father_alive	-0.10159	0.06149	0.07973	0.97954
house_money	0.06232	-0.33325	-0.04167	0.88332
meals_per_y	0.27633	-0.37195	-0.25569	0.71992
water_source	0.29487	-0.19008	0.48724	0.63951
happy_in_h-e	-0.20746	0.08103	0.35443	0.82477
scary_dreams	0.56052	-0.04717	0.23390	0.62888

unhappy	0.58798	-0.11173	0.08786	0.63408
happy	-0.16008	0.54105	-0.08893	0.67373
play_alone	0.70715	-0.11839	-0.08577	0.47857
fights	0.32363	0.08929	0.18608	0.85266
feel_worried	0.74580	-0.05793	0.01861	0.44007
refuse_eat~g	0.49871	0.33913	-0.30050	0.54598
frustrated	0.77359	0.05162	-0.14645	0.37744
angry	0.72672	0.26110	0.15980	0.37817
hopeful	0.14459	0.72063	-0.01713	0.45949
afraid_new	0.62092	-0.20613	-0.01881	0.57162
trouble_sl~g	0.41396	0.11232	-0.32558	0.71002
hard_make~s	0.51886	0.00902	0.36505	0.59744
running_away	0.27577	-0.12157	-0.40764	0.74300
gaurdian_t~t	0.26640	-0.04287	0.04195	0.92543
stigma_adu~k	-0.31007	0.23152	-0.05115	0.84764
comfort_you	-0.29169	0.08017	0.10368	0.89774
total_kids	-0.13711	0.08004	-0.08837	0.96698

. rotate, promax

(promax rotation)

Variable	Rotated Factor Loadings			Uniqueness
	1	2	3	
attend_ed	0.10457	-0.07696	0.37843	0.84355
failed_grade	-0.03756	-0.26447	-0.29245	0.83614
mother_alive	-0.02977	0.01922	-0.28579	0.91823
father_alive	-0.09296	0.05382	0.07518	0.97954
house_money	0.01258	-0.33596	-0.02358	0.88332
meals_per~y	0.22165	-0.35522	-0.23279	0.71992
water_source	0.27486	-0.18440	0.50230	0.63951
happy_in_h~e	-0.19474	0.05992	0.34776	0.82477
scary_dreams	0.56326	-0.01295	0.24508	0.62888
unhappy	0.57998	-0.07379	0.10254	0.63408
happy	-0.08161	0.54472	-0.11945	0.67373
play_alone	0.69813	-0.06803	-0.06928	0.47857
fights	0.34324	0.11075	0.18659	0.85266
feel_worried	0.74741	-0.00564	0.03272	0.44007
refuse_eat~g	0.55374	0.39046	-0.31115	0.54598
frustrated	0.79052	0.11235	-0.13787	0.37744
angry	0.77745	0.31663	0.15738	0.37817
hopeful	0.25493	0.74919	-0.05228	0.45949
afraid_new	0.59815	-0.16569	0.00105	0.57162
trouble_sl~g	0.43344	0.15251	-0.32579	0.71002
hard_make~s	0.53073	0.03862	0.37293	0.59744
running_away	0.25736	-0.09529	-0.39795	0.74300
gaurdian_t~t	0.26397	-0.02554	0.04820	0.92543
stigma_adu~k	-0.27991	0.21586	-0.06783	0.84764
comfort_you	-0.28261	0.05861	0.09538	0.89774
total_kids	-0.12776	0.07406	-0.09470	0.96698

```
. factor mother_alive father_alive house_money happy_in_house scary_dreams unhappy
happy play_alone fig
> hts feel_worried refuse_eating frustrated angry hopeful afraid_new
trouble_sleeping hard_make_friends
> running_away gaurdian_treat stigma_adults_talk total_kids
(obs=93)
```

(principal factors; 12 factors retained)

Factor	Eigenvalue	Difference	Proportion	Cumulative
1	4.13376	2.95702	0.5275	0.5275
2	1.17674	0.22109	0.1502	0.6777
3	0.95565	0.21641	0.1219	0.7996
4	0.73924	0.15369	0.0943	0.8939
5	0.58555	0.07790	0.0747	0.9687
6	0.50765	0.12646	0.0648	1.0334
7	0.38119	0.05436	0.0486	1.0821

8	0.32683	0.05174	0.0417	1.1238
9	0.27509	0.07229	0.0351	1.1589
10	0.20280	0.03272	0.0259	1.1848
11	0.17008	0.09072	0.0217	1.2065
12	0.07936	0.09213	0.0101	1.2166
13	-0.01277	0.02784	-0.0016	1.2150
14	-0.04061	0.07482	-0.0052	1.2098
15	-0.11543	0.03876	-0.0147	1.1951
16	-0.15419	0.07845	-0.0197	1.1754
17	-0.23263	0.01727	-0.0297	1.1457
18	-0.24990	0.03803	-0.0319	1.1138
19	-0.28793	0.00801	-0.0367	1.0771
20	-0.29594	0.01212	-0.0378	1.0393
21	-0.30806	.	-0.0393	1.0000

Factor Loadings						
Variable	1	2	3	4	5	6
mother_alive	-0.02095	-0.06528	0.12776	0.08655	-0.38818	-0.04754
father_alive	-0.09777	-0.17940	0.39532	-0.04316	-0.15437	0.16226
house_money	0.04754	-0.16475	-0.15996	0.10800	-0.10736	-0.31597
happy_in_h-e	-0.13013	0.08426	-0.01675	-0.54110	0.06829	0.03646
scary_dreams	0.55700	-0.15870	0.15399	-0.10722	0.26622	-0.04734
unhappy	0.59965	-0.11306	-0.04054	-0.14370	0.02159	-0.03053
happy	-0.24060	0.52980	0.20103	0.12093	0.17524	-0.03754
play_alone	0.65127	0.10461	-0.36426	-0.05373	0.05807	-0.05255
fights	0.28031	-0.05074	0.41058	-0.13059	-0.09611	-0.17800
feel_worried	0.76434	0.05931	-0.25610	0.01035	-0.14033	-0.00317
refuse_eat-g	0.44239	0.35688	0.06558	0.09983	-0.27690	-0.13946
frustrated	0.74858	0.09927	-0.04665	0.16750	-0.13061	0.12229
angry	0.70654	0.23772	0.10177	-0.13595	0.00418	0.21374
hopeful	0.14663	0.62389	0.24834	0.00135	0.02067	-0.08092
afraid_new	0.63965	-0.20196	0.03974	-0.00193	-0.16418	0.23677
trouble_sl-g	0.40838	0.08591	-0.04763	0.11328	-0.10850	0.09150
hard_make_-s	0.45116	-0.14937	0.33858	-0.18228	0.14120	-0.18788
running_away	0.26325	-0.09192	0.00256	0.34472	0.19190	-0.19814
gaurdian_t-t	0.25281	-0.23388	0.34579	0.30273	0.18980	0.03087
stigma_adu-k	-0.30135	0.22529	-0.03457	0.07810	0.09763	0.13924
total_kids	-0.09818	-0.05483	0.08243	0.19867	0.15898	0.30477

Factor Loadings						
Variable	7	8	9	10	11	12
mother_alive	-0.12928	0.17456	0.09599	-0.18716	0.08049	-0.02251
father_alive	0.17346	0.11376	0.04065	0.21375	0.00276	-0.03247
house_money	-0.11157	-0.19624	-0.05289	0.16538	-0.02885	0.04158
happy_in_h-e	0.11707	-0.12854	-0.06730	-0.04038	-0.01107	-0.02636
scary_dreams	0.06175	-0.04224	0.16881	-0.00967	0.01001	0.08883
unhappy	-0.05357	-0.11530	0.10031	-0.01297	0.22327	0.05868
happy	0.09137	-0.07734	0.23117	-0.01206	-0.08885	-0.00078
play_alone	0.12047	0.20889	0.10804	0.01389	-0.09948	0.00480
fights	0.08589	0.04747	-0.05782	0.02373	0.02536	0.12388
feel_worried	-0.11148	0.14447	-0.00444	0.13766	0.11113	-0.07357
refuse_eat-g	0.16294	-0.04231	-0.08451	0.07538	0.04191	0.00432
frustrated	-0.10131	-0.10661	-0.06507	-0.10073	-0.18193	0.09238
angry	-0.07507	0.00777	-0.23082	0.03671	-0.03570	-0.01692
hopeful	-0.21260	-0.03288	0.06027	0.01958	0.09185	-0.04170
afraid_new	-0.01694	-0.03006	0.22485	0.01094	-0.03932	-0.01393
trouble_sl-g	0.33200	-0.12807	-0.03219	-0.06551	0.06123	-0.05973
hard_make_-s	-0.06486	0.12292	-0.09417	-0.14659	-0.06795	-0.06636
running_away	0.21569	0.05509	-0.08878	-0.10712	0.06303	-0.02213
gaurdian_t-t	-0.09058	-0.03408	-0.02224	0.10148	-0.06181	-0.05364
stigma_adu-k	0.02514	0.27320	-0.07825	0.04214	0.04640	0.14190
total_kids	-0.03413	-0.12253	-0.08136	-0.07732	0.13221	0.03180

Factor Loadings	
Variable	Uniqueness
-----	-----

```

mother_alive | 0.72013
father_alive | 0.65852
house_money | 0.73832
happy_in_h-e | 0.63970
scary_dreams | 0.51407
  unhappy | 0.52426
  happy | 0.49846
  play_alone | 0.34327
  fights | 0.66277
feel_worried | 0.25684
refuse_eat~g | 0.52360
  frustrated | 0.28989
  angry | 0.30787
  hopeful | 0.46014
  afraid_new | 0.41185
trouble_sl~g | 0.65133
hard_make_~s | 0.51235
running_away | 0.65396
gaurdian_t~t | 0.60634
stigma_adu~k | 0.71676
  total_kids | 0.77566

```

```

. factor mother_alive father_alive house_money happy_in_house scary_dreams unhappy
happy play_alone fig
> hts feel_worried refuse_eating frustrated angry hopeful afraid_new
trouble_sleeping hard_make_friends
> running_away gaurdian_treat stigma_adults_talk total_kids, factors(3)
(obs=93)

```

(principal factors; 3 factors retained)

Factor	Eigenvalue	Difference	Proportion	Cumulative
1	4.13376	2.95702	0.5275	0.5275
2	1.17674	0.22109	0.1502	0.6777
3	0.95565	0.21641	0.1219	0.7996
4	0.73924	0.15369	0.0943	0.8939
5	0.58555	0.07790	0.0747	0.9687
6	0.50765	0.12646	0.0648	1.0334
7	0.38119	0.05436	0.0486	1.0821
8	0.32683	0.05174	0.0417	1.1238
9	0.27509	0.07229	0.0351	1.1589
10	0.20280	0.03272	0.0259	1.1848
11	0.17008	0.09072	0.0217	1.2065
12	0.07936	0.09213	0.0101	1.2166
13	-0.01277	0.02784	-0.0016	1.2150
14	-0.04061	0.07482	-0.0052	1.2098
15	-0.11543	0.03876	-0.0147	1.1951
16	-0.15419	0.07845	-0.0197	1.1754
17	-0.23263	0.01727	-0.0297	1.1457
18	-0.24990	0.03803	-0.0319	1.1138
19	-0.28793	0.00801	-0.0367	1.0771
20	-0.29594	0.01212	-0.0378	1.0393
21	-0.30806	.	-0.0393	1.0000

Factor Loadings

Variable	1	2	3	Uniqueness
mother_alive	-0.02095	-0.06528	0.12776	0.97898
father_alive	-0.09777	-0.17940	0.39532	0.80198
house_money	0.04754	-0.16475	-0.15996	0.94501
happy_in_h-e	-0.13013	0.08426	-0.01675	0.97569
scary_dreams	0.55700	-0.15870	0.15399	0.64086
unhappy	0.59965	-0.11306	-0.04054	0.62600
happy	-0.24060	0.52980	0.20103	0.62101
play_alone	0.65127	0.10461	-0.36426	0.43222
fights	0.28031	-0.05074	0.41058	0.75027
feel_worried	0.76434	0.05931	-0.25610	0.34668
refuse_eat~g	0.44239	0.35688	0.06558	0.67263

frustrated	0.74858	0.09927	-0.04665	0.42760
angry	0.70654	0.23772	0.10177	0.43394
hopeful	0.14663	0.62389	0.24834	0.52759
afraid_new	0.63965	-0.20196	0.03974	0.54848
trouble_sl-g	0.40838	0.08591	-0.04763	0.82357
hard_make_~s	0.45116	-0.14937	0.33858	0.65951
running_away	0.26325	-0.09192	0.00256	0.92225
gaurdian_t-t	0.25281	-0.23388	0.34579	0.76182
stigma_adu-k	-0.30135	0.22529	-0.03457	0.85724
total_kids	-0.09818	-0.05483	0.08243	0.98056

. rotate

(varimax rotation)

Variable	Rotated Factor Loadings			Uniqueness
	1	2	3	
mother_alive	-0.06358	-0.00956	0.12996	0.97898
father_alive	-0.22545	-0.00891	0.38355	0.80198
house_money	0.07085	-0.21441	-0.06327	0.94501
happy_in_h-e	-0.10928	0.07039	-0.08610	0.97569
scary_dreams	0.46845	-0.08327	0.36437	0.64086
unhappy	0.56916	-0.11808	0.19005	0.62600
happy	-0.22324	0.56540	-0.09735	0.62101
play_alone	0.73503	-0.04586	-0.15940	0.43222
fight	0.14549	0.11644	0.46368	0.75027
feel_worried	0.80696	-0.04440	-0.01324	0.34668
refuse_eat-g	0.44493	0.35508	0.05768	0.67263
frustrated	0.73774	0.07501	0.15006	0.42760
angry	0.67227	0.26071	0.21482	0.43394
hopeful	0.14332	0.67169	0.02662	0.52759
afraid_new	0.57420	-0.16791	0.30598	0.54848
trouble_sl-g	0.41245	0.06133	0.05049	0.82357
hard_make_~s	0.31683	-0.00210	0.49001	0.65951
running_away	0.23915	-0.08264	0.11718	0.92225
gaurdian_t-t	0.11594	-0.07748	0.46769	0.76182
stigma_adu-k	-0.25072	0.19239	-0.20709	0.85724
total_kids	-0.12315	-0.01810	0.06282	0.98056

. rotate, promax

(promax rotation)

Variable	Rotated Factor Loadings			Uniqueness
	1	2	3	
mother_alive	-0.11087	-0.00532	0.14662	0.97898
father_alive	-0.36594	0.00331	0.43683	0.80198
house_money	0.09193	-0.21674	-0.08358	0.94501
happy_in_h-e	-0.08188	0.06648	-0.08112	0.97569
scary_dreams	0.35585	-0.06609	0.35125	0.64086
unhappy	0.51978	-0.10658	0.15132	0.62600
happy	-0.18832	0.56148	-0.06364	0.62101
play_alone	0.81332	-0.04565	-0.24061	0.43222
fight	-0.00903	0.13511	0.49590	0.75027
feel_worried	0.83686	-0.03818	-0.08801	0.34668
refuse_eat-g	0.44446	0.36196	0.03714	0.67263
frustrated	0.71050	0.08700	0.10046	0.42760
angry	0.62319	0.27505	0.18405	0.43394
hopeful	0.14859	0.67574	0.04274	0.52759
afraid_new	0.48402	-0.15222	0.27498	0.54848
trouble_sl-g	0.40910	0.06686	0.02061	0.82357
hard_make_~s	0.15695	0.01866	0.50458	0.65951
running_away	0.20496	-0.07652	0.10287	0.92225
gaurdian_t-t	-0.04378	-0.05945	0.49522	0.76182
stigma_adu-k	-0.18409	0.18316	-0.19528	0.85724
total_kids	-0.14918	-0.01688	0.07857	0.98056

```

. factor mother_alive father_alive house_money happy_in_house scary_dreams unhappy
happy play_alone fig
> hts feel_worried refuse_eating frustrated angry hopeful afraid_new
trouble_sleeping hard_make_friends
> running_away gaurdian_treat stigma_adults_talk total_kids, factors(2)
(obs=93)

```

(principal factors; 2 factors retained)

Factor	Eigenvalue	Difference	Proportion	Cumulative
1	4.13376	2.95702	0.5275	0.5275
2	1.17674	0.22109	0.1502	0.6777
3	0.95565	0.21641	0.1219	0.7996
4	0.73924	0.15369	0.0943	0.8939
5	0.58555	0.07790	0.0747	0.9687
6	0.50765	0.12646	0.0648	1.0334
7	0.38119	0.05436	0.0486	1.0821
8	0.32683	0.05174	0.0417	1.1238
9	0.27509	0.07229	0.0351	1.1589
10	0.20280	0.03272	0.0259	1.1848
11	0.17008	0.09072	0.0217	1.2065
12	0.07936	0.09213	0.0101	1.2166
13	-0.01277	0.02784	-0.0016	1.2150
14	-0.04061	0.07482	-0.0052	1.2098
15	-0.11543	0.03876	-0.0147	1.1951
16	-0.15419	0.07845	-0.0197	1.1754
17	-0.23263	0.01727	-0.0297	1.1457
18	-0.24990	0.03803	-0.0319	1.1138
19	-0.28793	0.00801	-0.0367	1.0771
20	-0.29594	0.01212	-0.0378	1.0393
21	-0.30806	.	-0.0393	1.0000

Factor Loadings

Variable	1	2	Uniqueness
mother_alive	-0.02095	-0.06528	0.99530
father_alive	-0.09777	-0.17940	0.95826
house_money	0.04754	-0.16475	0.97060
happy_in_h-e	-0.13013	0.08426	0.97597
scary_dreams	0.55700	-0.15870	0.66457
unhappy	0.59965	-0.11306	0.62764
happy	-0.24060	0.52980	0.66143
play_alone	0.65127	0.10461	0.56491
fig	0.28031	-0.05074	0.91885
feel_worried	0.76434	0.05931	0.41226
refuse_eat-g	0.44239	0.35688	0.67693
frustrated	0.74858	0.09927	0.42978
angry	0.70654	0.23772	0.44429
hopeful	0.14663	0.62389	0.58926
afraid_new	0.63965	-0.20196	0.55006
trouble_sl-g	0.40838	0.08591	0.82584
hard_make_~s	0.45116	-0.14937	0.77414
running_away	0.26325	-0.09192	0.92225
gaurdian_t-t	0.25281	-0.23388	0.88139
stigma_adu-k	-0.30135	0.22529	0.85843
total_kids	-0.09818	-0.05483	0.98735

```
. rotate
```

(varimax rotation)

Rotated Factor Loadings

Variable	1	2	Uniqueness
mother_alive	-0.02715	-0.06295	0.99530
father_alive	-0.11463	-0.16912	0.95826
house_money	0.03142	-0.16857	0.97060
happy_in_h-e	-0.12139	0.09642	0.97597
scary_dreams	0.53908	-0.21171	0.66457

unhappy	0.58594	-0.17041	0.62764
happy	-0.18834	0.55055	0.66143
play_alone	0.65832	0.04127	0.56491
fights	0.27411	-0.07756	0.91885
feel_worried	0.76650	-0.01474	0.41226
refuse_eat~g	0.47477	0.31252	0.67693
frustrated	0.75466	0.02655	0.42978
angry	0.72618	0.16842	0.44429
hopeful	0.20616	0.60683	0.58926
afraid_new	0.61718	-0.26275	0.55006
trouble_sl~g	0.41477	0.04610	0.82584
hard_make_~s	0.43464	-0.19222	0.77414
running_away	0.25315	-0.11690	0.92225
gaurdian_t~t	0.22905	-0.25719	0.88139
stigma_adu~k	-0.27820	0.25332	0.85843
total_kids	-0.10301	-0.04510	0.98735

. rotate, promax

(promax rotation)

Rotated Factor Loadings			
Variable	1	2	Uniqueness
mother_alive	-0.03761	-0.06644	0.99530
father_alive	-0.14330	-0.18152	0.95826
house_money	0.00487	-0.17031	0.97060
happy_in_h~e	-0.10764	0.08988	0.97597
scary_dreams	0.51269	-0.17750	0.66457
unhappy	0.56681	-0.13179	0.62764
happy	-0.10284	0.54998	0.66143
play_alone	0.67409	0.09021	0.56491
fights	0.26551	-0.05944	0.91885
feel_worried	0.77481	0.04075	0.41226
refuse_eat~g	0.53140	0.35457	0.67693
frustrated	0.76942	0.08217	0.42978
angry	0.76325	0.22535	0.44429
hopeful	0.30617	0.63634	0.58926
afraid_new	0.58371	-0.22406	0.55006
trouble_sl~g	0.42792	0.07741	0.82584
hard_make_~s	0.40992	-0.16515	0.77414
running_away	0.23796	-0.10125	0.92225
gaurdian_t~t	0.19107	-0.24664	0.88139
stigma_adu~k	-0.24153	0.23910	0.85843
total_kids	-0.11166	-0.05368	0.98735

```
. factor mother_alive father_alive house_money happy_in_house scary_dreams unhappy
happy play_alone fig
> hts feel_worried refuse_eating frustrated angry hopeful afraid_new
trouble_sleeping hard_make_friends
> running_away gaurdian_treat stigma_adults_talk
(obs=126)
```

(principal factors; 11 factors retained)

Factor	Eigenvalue	Difference	Proportion	Cumulative
1	3.69494	2.62115	0.5806	0.5806
2	1.07379	0.27549	0.1687	0.7493
3	0.79830	0.16296	0.1254	0.8747
4	0.63534	0.13912	0.0998	0.9746
5	0.49622	0.17641	0.0780	1.0525
6	0.31981	0.03446	0.0502	1.1028
7	0.28534	0.06585	0.0448	1.1476
8	0.21950	0.01026	0.0345	1.1821
9	0.20923	0.08455	0.0329	1.2150
10	0.12468	0.08295	0.0196	1.2346
11	0.04174	0.05780	0.0066	1.2411
12	-0.01606	0.01805	-0.0025	1.2386
13	-0.03411	0.02469	-0.0054	1.2332

14	-0.05880	0.02036	-0.0092	1.2240
15	-0.07916	0.07267	-0.0124	1.2116
16	-0.15183	0.07601	-0.0239	1.1877
17	-0.22784	0.05964	-0.0358	1.1519
18	-0.28748	0.04865	-0.0452	1.1067
19	-0.33613	0.00703	-0.0528	1.0539
20	-0.34316	.	-0.0539	1.0000

Variable	Factor Loadings					
	1	2	3	4	5	6
mother_alive	-0.02824	0.02311	0.15770	-0.05298	0.24726	-0.20873
father_alive	-0.12321	-0.07301	0.37826	0.22787	0.25002	0.02765
house_money	0.04361	-0.19663	-0.08447	-0.32943	-0.14693	-0.19189
happy_in_h-e	-0.11372	-0.00758	-0.04453	0.43972	-0.30017	0.01252
scary_dreams	0.49234	-0.05623	0.15745	0.02557	-0.19411	0.13969
unhappy	0.55873	-0.05371	0.03978	0.03948	-0.19732	-0.16885
happy	-0.22952	0.61858	0.08160	-0.04229	0.01085	0.00236
play_alone	0.66302	-0.01861	-0.22884	0.05695	0.12824	0.15120
figts	0.24388	-0.06975	0.21877	0.10790	-0.09314	0.00507
feel_worried	0.73178	-0.00551	-0.27952	-0.07092	-0.02037	0.02914
refuse_eat-g	0.40240	0.29252	0.05032	-0.00335	0.08301	-0.04057
frustrated	0.69648	0.08032	-0.11101	-0.08856	0.13151	0.01714
angry	0.66917	0.18485	-0.04375	0.17168	-0.07143	-0.05718
hopeful	0.12937	0.66835	0.00366	-0.01377	-0.07521	-0.11821
afraid_new	0.62358	-0.16564	0.11233	0.16343	0.22233	-0.09231
trouble_sl-g	0.43388	-0.03197	-0.03025	0.09359	0.17176	-0.02966
hard_make_s	0.43655	-0.01685	0.39437	-0.01211	-0.18572	0.06061
running_away	0.25942	-0.01421	0.05755	-0.35314	-0.03544	0.18921
gaurdian_t-t	0.21358	0.03712	0.46203	-0.22707	-0.01462	0.07662
stigma_adu-k	-0.17372	0.17909	-0.08492	0.07355	0.09370	0.30463

Variable	Factor Loadings					
	7**	8	9	10	11	Uniqueness
mother_alive	0.14624	0.02206	0.04609	0.18899	0.02173	0.80610
father_alive	0.02194	-0.00132	-0.01696	-0.05685	-0.01878	0.71685
house_money	-0.03857	-0.09101	0.05973	-0.04046	0.01321	0.77022
happy_in_h-e	-0.09812	0.01999	0.08616	0.04646	-0.03738	0.68040
scary_dreams	-0.08422	0.08201	-0.04117	0.02592	0.11793	0.64171
unhappy	0.01646	0.14196	-0.12593	-0.01367	0.03296	0.57680
happy	-0.17276	0.14331	-0.01388	0.03889	0.02450	0.50342
play_alone	-0.03433	0.01995	0.02694	0.15683	-0.01439	0.43804
figts	0.29632	0.01410	0.09190	-0.08491	0.05476	0.76079
feel_worried	0.14275	0.03182	-0.17366	-0.00660	-0.06548	0.32417
refuse_eat-g	0.04906	0.02520	0.15110	-0.10420	-0.00100	0.70470
frustrated	-0.13995	-0.20648	0.11759	-0.00310	0.07092	0.38962
angry	-0.00249	-0.13445	0.03477	-0.06397	-0.04241	0.45310
hopeful	0.12082	-0.03722	-0.06720	0.00944	-0.00663	0.49610
afraid_new	-0.06125	0.04321	-0.16233	-0.00785	0.01767	0.45409
trouble_sl-g	-0.10980	0.16930	0.16349	-0.08312	-0.03709	0.69494
hard_make_s	0.05254	-0.09803	0.09344	0.14789	-0.04980	0.56985
running_away	0.07942	0.20367	0.10841	-0.00694	-0.03374	0.70669
gaurdian_t-t	-0.15949	-0.08777	-0.13161	-0.05198	-0.05376	0.62584
stigma_adu-k	0.13739	-0.09618	-0.07403	-0.03286	0.03442	0.78768

```
. factor mother_alive father_alive house_money happy_in_house scary_dreams unhappy
happy play_alone fig
> hts feel_worried refuse_eating frustrated angry hopeful afraid_new
trouble_sleeping hard_make_friends
> running_away gaurdian_treat stigma_adults_talk, factors(2)
(obs=126)
```

(principal factors; 2 factors retained)				
Factor	Eigenvalue	Difference	Proportion	Cumulative
1	3.69494	2.62115	0.5806	0.5806
2	1.07379	0.27549	0.1687	0.7493

3	0.79830	0.16296	0.1254	0.8747
4	0.63534	0.13912	0.0998	0.9746
5	0.49622	0.17641	0.0780	1.0525
6	0.31981	0.03446	0.0502	1.1028
7	0.28534	0.06585	0.0448	1.1476
8	0.21950	0.01026	0.0345	1.1821
9	0.20923	0.08455	0.0329	1.2150
10	0.12468	0.08295	0.0196	1.2346
11	0.04174	0.05780	0.0066	1.2411
12	-0.01606	0.01805	-0.0025	1.2386
13	-0.03411	0.02469	-0.0054	1.2332
14	-0.05880	0.02036	-0.0092	1.2240
15	-0.07916	0.07267	-0.0124	1.2116
16	-0.15183	0.07601	-0.0239	1.1877
17	-0.22784	0.05964	-0.0358	1.1519
18	-0.28748	0.04865	-0.0452	1.1067
19	-0.33613	0.00703	-0.0528	1.0539
20	-0.34316	.	-0.0539	1.0000

Factor Loadings

Variable	1	2	Uniqueness
mother_alive	-0.02824	0.02311	0.99867
father_alive	-0.12321	-0.07301	0.97949
house_money	0.04361	-0.19663	0.95944
happy_in_h-e	-0.11372	-0.00758	0.98701
scary_dreams	0.49234	-0.05623	0.75444
unhappy	0.55873	-0.05371	0.68494
happy	-0.22952	0.61858	0.56468
play_alone	0.66302	-0.01861	0.56006
fight	0.24388	-0.06975	0.93566
feel_worried	0.73178	-0.00551	0.46447
refuse_eat-g	0.40240	0.29252	0.75251
frustrated	0.69648	0.08032	0.50847
angry	0.66917	0.18485	0.51805
hopeful	0.12937	0.66835	0.53657
afraid_new	0.62358	-0.16564	0.58371
trouble_sl-g	0.43388	-0.03197	0.81072
hard_make_~s	0.43655	-0.01685	0.80914
running_away	0.25942	-0.01421	0.93250
guardian_t-t	0.21358	0.03712	0.95301
stigma_adu-k	-0.17372	0.17909	0.93775

. rotate

(varimax rotation)

Rotated Factor Loadings

Variable	1	2	Uniqueness
mother_alive	-0.02742	0.02407	0.99867
father_alive	-0.12565	-0.06872	0.97949
house_money	0.03681	-0.19802	0.95944
happy_in_h-e	-0.11391	-0.00366	0.98701
scary_dreams	0.49011	-0.07318	0.75444
unhappy	0.55654	-0.07296	0.68494
happy	-0.20804	0.62613	0.56468
play_alone	0.66198	-0.04148	0.56006
fight	0.24133	-0.07813	0.93566
feel_worried	0.73115	-0.03075	0.46447
refuse_eat-g	0.41225	0.27846	0.75251
frustrated	0.69884	0.05624	0.50847
angry	0.67515	0.16165	0.51805
hopeful	0.15235	0.66349	0.53657
afraid_new	0.61749	-0.18705	0.58371
trouble_sl-g	0.43252	-0.04692	0.81072
hard_make_~s	0.43571	-0.03190	0.80914
running_away	0.25878	-0.02315	0.93250
guardian_t-t	0.21473	0.02973	0.95301

```
stigma_adu-k | -0.16744 0.18497 0.93775
```

```
. rotate, promax
```

(promax rotation)

Rotated Factor Loadings

Variable	1	2	Uniqueness
mother_alive	-0.02621	0.02348	0.99867
father_alive	-0.12942	-0.07191	0.97949
house_money	0.02657	-0.19765	0.95944
happy_in_h-e	-0.11427	-0.00640	0.98701
scary_dreams	0.48705	-0.06161	0.75444
unhappy	0.55360	-0.05980	0.68494
happy	-0.17582	0.62276	0.56468
play_alone	0.66083	-0.02571	0.56006
fight	0.23764	-0.07254	0.93566
feel_worried	0.73067	-0.01330	0.46447
refuse_eat-g	0.42735	0.28907	0.75251
frustrated	0.70283	0.07315	0.50847
angry	0.68458	0.17826	0.51805
hopeful	0.18707	0.66887	0.53657
afraid_new	0.60872	-0.17273	0.58371
trouble_sl-g	0.43075	-0.03666	0.81072
hard_make_s	0.43472	-0.02153	0.80914
running_away	0.25797	-0.01700	0.93250
guardian_t-t	0.21661	0.03496	0.95301
stigma_adu-k	-0.15808	0.18144	0.93775

```
. restore
```

```
. end of do-file ..
```

```
. save "E:\MPH\thesis\databases\cleaned databases\kopanong fs 6-14 pss  
cleaned.dta", replace  
file E:\MPH\thesis\databases\cleaned databases\kopanong fs 6-14 pss cleaned.dta  
saved
```

```
. exit, clear
```