Research Article

Under-Five Mortality in Nigeria: Perception and Attitudes of the Yorubas towards the Existence of "*Abiku*"

Peter O. Ogunjuyigbe

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Abstract

The paper examines the perception and attitudes of the Yorubas about the existence of *abiku* (children from the spirit world) and the mode of treatment given to such children. The study elicited information from 1695 women of reproductive age in Ondo and Ekiti state of Southwest Nigeria. The study shows (i) that more than half of the respondents believe in the existence of *abiku* children; (ii) that *abiku* children can be identified from the evidence of past death, frequent indisposition, non-responsiveness of their illness to modern medical care as well as repeated death and verification from traditional healers; (iii) that causes of illness differ between *abiku* and non-*abiku* children; (iv) close to 71 percent of the respondents have faith in traditional methods of treatment for *abiku* children. The study, therefore, reiterate the need to integrate the people's beliefs, attitudes and behavioural practices into health promotion programmes.

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1. Introduction

Infant and child mortality remain disturbingly high in developing countries despite the significant decline in most parts of the developed world. The state of the world's children indicated that about 12.9 million children die every year in developing world (UNICEF, 1987). Also, the Nigeria Demographic and Health Survey (NDHS), 1990 reported that 87 of 1000 infants born in Nigeria die before their first birthday while 115 of 1000 children die before reaching age five (FOS, 1992). The 1999 NDHS reported an infant mortality rate of 75 deaths per 1000 live births and under five mortality rate of 140 deaths per 1,000 live births for the 1995 to 1999 period. Also, review of trends in under five mortality rates between 1960 and 1998 by UNCEF (2000), based on an estimate of 187 deaths per 1,000 for 1998 indicates a 10 percent reduction in Nigeria. According to the Nigeria Demographic and Health Survey (NDHS), 1999, infant mortality and under five mortality rates for the ten years period preceding the survey for the south western part of Nigeria, the focus of this study, are 70 per 1,000 and 102 per 1,000 live birth respectively (NPC, 2000). For five years immediately preceding the 1999-2003 survey, the infant mortality rate was 100 deaths per 1,000 live births, while the overall under-five mortality rate was 201 deaths per 1,000 live births (NPC, 2004). The level of improvement in infant and child mortality in Nigeria as a whole is significantly lower than the average of 34 percent for the sub-Saharan Africa.

Common causes of child mortality and morbidity include diarrhea, acute respiratory infections, measles, and malaria. Studies have shown that many children in Nigeria die mainly from malaria, diarrhea, neonatal tetanus, tuberculosis, whooping cough and bronchopneumonia (Tomkins, 1981; Ayeni, 1980; Animashaun; 1977; Morley, 1973; Baxter-Grillo and Leshi, 1964; Ogunlesi, 1961). Mosley and Chen (1981) also viewed morbidity and mortality of the child as being influenced by underlying factors of both biological and socio-economic, operating through proximate determinants. Jinadu *et al.* (1991), in a study, found dirty feeding bottles and utensils, inadequate disposal of household refuse and poor storage of drinking water to be significantly related to the high incidence of diarrhea. Studies have also shown maternal education to be a significant factor influencing child survival (Caldwell, 1979; Orubuloye and Caldwell, 1975; Meegama, 1980; Tawiah, 1979; Adewuyi and Feyisetan, 1988).

Knowledge of measles and diarrhea is quite pertinent in an understanding of the role of cultural beliefs in health seeking among the Yoruba. In the traditional Yoruba setting, measles attack is usually attributed to a variety of causes which have no link with the concept of virus (Odebiyi and Ekong, 1982). Measles attack is traditionally considered as a punishment for breaking family taboos or as an evil deed from witches or enemies. The belief that the measles attack is caused by enemies is common among

polygynous family where co-wives are natural suspects. While measles is perceived as deadly disease among the Yorubas, diarrhea is perceived merely as a means of getting rid of body impurities or as a sign of 'teething', 'crawling', or 'stretching'. Also some mothers believe that diarrhea is caused by consumption of sweet things (Jinadu *et al.*, 1991). Mothers with this view will not likely introduce oral rehydration solution to their children since it contains sugar and salt.

Despite the fact that the major childhood diseases have been identified and modern technology to combat them developed, yet, children from African countries (Nigeria inclusive) die in large number from the attacks of these diseases. The adduced reason is deeply rooted in people's beliefs and attitudes concerning childcare and behavioural practices into health strategies (Parry, 1984; Uboma-Jaswa, 1988; Feyisetan, 1988; 1990; Feyisetan and Adeokun, 1989). The Nigerian Health Policy recognizes the need to reduce the current high childhood morbidity and mortality rates, but people's belief and behavioural practices have not been adequately integrated into the health intervention programmes.

The non-disease specific beliefs among the Yorubas, is the existence of "*Abiku*" (children from the spirit world who can die at will). The Yorubas belief that some children are from the spirit world and they will eventually return to the spirit world after a short period of time on earth unless certain rituals are performed. *Abikus* are described as spirit children whose mercurial treatment, even rejection, of their parents (mothers especially) leave the mothers in most pitiable state (Soyinka, 1981; Okri, 1995 and Ogunyemi, 1996). *Abiku* children inflict a lot of pain and agony on their mothers. The pain suffered by the mothers of *abiku* and the efforts made by *abiku* mothers to placate their obviously mischievous, pain-causing offspring were succinctly displayed in Soyinka's (1981), Achebe's (1986) and Okri's (1993) works. The Igbo of Southeast Nigeria call the living icon '*Ogbaje*' (Achebe, 1958 and Achebe, 1986). The *ogbanje* child also emerges as a frequent traveler between the world of the living and the place of the friendly dead (Achebe, 1958, Quayson, 1997). The notion of *abiku* or *ogbanje* is a common phenomenon in West African countries.

Recognising the implication of this belief for child health and its survival and upon the recognition of the fact that children under-five constitute an important segment of the Nigerian population, this paper, therefore, attempts to examine the perception and attitudes of the Yorubas about the phenomenon called "*Abiku*". The existence and the mode of treatment of "*Abiku*" as well as the "non-*abiku*" children are discussed in the paper.

2. Data and method

The objectives of the study were to identify people's perceptions of the etiology of certain childhood diseases and determine the impact of such perception of health-seeking behaviour, determine mothers' knowledge and use of health services; identify maternal and childhood feeding practices; and determine the impact of health-seeking behaviour and other child care practices on child morbidity and mortality in Ekiti and Ondo states of Southwest Nigeria. In order to achieve these objectives, a survey on the people's perception, etiology and cultural beliefs in Ekiti and Ondo states was conducted between 1999 and 2000. The study elicited information from 1695 eligible women of reproductive age (15-49 years) from the selected rural and urban areas in five selected Local Government areas of Ekiti and Ondo states. The data were collected from Akoko North, Akure, Ijero, Ikale and Isokan Local Government Areas (three from Ondo and two from Ekiti). A multistage, stratified random sampling design was used to select respondents from the towns. In the rural areas, selection of respondents was by simple random sampling technique. However, the random selection was made in such a way that all the different parts of the locations were represented. From the data collected, indirect infant morbidity and child mortality estimates were obtained.

Brass is one of the proponents of indirect method of mortality estimation. He based his mortality estimate on retrospective data given by women of reproductive age on the number of children ever born and their status (either dead or living). Other contributors in this line include Sullivan (1972), Trussel (1975), and Preston and Palloni (1978). However, indirect infant and child mortality estimates result from poor, inadequate and incomplete data especially in developing countries. Most deaths outside hospital premises were not recorded and that many people do not record infant deaths because they regard such occurrence as misfortunes, and when recorded, the age at death were either understated or overstated.

The method adopted in this study is the Lotus Program for the calculation of mortality by Samoza (1980). The variables examined include age, religion, education, type of place of residence, perception of illness, health seeking behaviour and the respondents occupation as well as fertility-related variables such as children ever born, own children five years and under, age at marriage etc. Data analysis was carried out using both univariate and bivariate approaches. The univariate analysis deals with the frequency distributions that show how varied the respondents are on socioeconomic, child care and health seeking behaviour variables. At the bivariate level, the simultaneous analysis of two variables was carried out. The relationship either between socioeconomic variables and child health seeking behaviour as well as between child health and health seeking variables were examined. For the bivariate analysis, interval

measured variables were changed through recoding into ordinal variables with few categories.

3. Sample characteristics

The socioeconomic characteristics of the respondents are presented in Table 1. The table shows that majority of the respondents fell within age range 30-39 (42.1 percent). Nearly equal number of respondents were interviewed from the rural and the urban locations (50.5 percent and 49.5 percent in urban and rural areas respectively). More than 90 percent of the women had received formal education. The highest being secondary or higher levels with 40.5 percent. Majority of the respondents (90.4 percent) professed to be Christians. The Muslims constitute only 7.4 percent of the total population, while those who are traditionalists represent only 1.2 percent of the whole respondents. About 86 percent of the respondents claimed to own one or two children under five years of age, while only 1.2 percent claimed to have 4 or more. Majority of the respondents engage in either sales or services (58.8 percent), while close to 33 percent are also found in agriculture.

4. Belief in the existence of "*Abiku*"

Respondents were asked to indicate whether or not they belief in the phenomenon called "*Abiku*". The distribution of mothers according to responses to the questions on "*abiku*" is presented in Table 2.

Panel 1 of the table indicates the persistence of this belief among the Yorubas. About 57 percent of mothers believe that there are *abiku* children; 30.1 percent do not share this belief and 12.9 percent are unsure of their beliefs. When the women were asked if they have ever had *abiku* children, only 15.4 percent of the mothers who believe in its existence answered in the affirmative (Panel 2). This finding is not surprising since many mothers, especially the educated ones, may not likely admit that they already have children they suspected to be *abiku* and none of their infants had died. Of the mothers who claimed to have had *abiku* children, 83.2 percent reported that the "*abiku*" children have died (Panel 3). Asking mothers to state 'how an "*abiku*" child can be identified', panel 4 of Table 2 indicates such responses as: "evidence of deformity from past death (such as being too dark in completion or having incomplete or deformed parts of body as the outcome of wounds inflicted on the body of previous child that died by the offended mother)." (27.4 percent); "frequent indisposition" (11.6 percent); "non-responsiveness of their illness to modern medical care" (17.9 percent);

Table 1: *Background characteristics of respondents (percentage distribution)*

Characteristics	Number	Percentage
Age		
15–29	673	39.7
30-39	714	42.1
40+	307	18.2
Residency		
Urban	856	50.5
Rural	839	49.5
Education		
None	485	28.6
Primary	523	30.9
Secondary & higher	687	40.5
Religion		
Catholic	266	15.7
Protestant	863	50.9
Other Christians	403	23.8
Islam	125	7.4
Traditional	21	1.2
Others	17	1.0
Own Children 5 Years and Under		
1	647	38.2
2	806	47.5
3	222	13.1
4 and above	20	1.2
Current Employment		
White Collar	80	4.7
Sales/Service	997	58.8
Agriculture	552	32.6
Others	66	3.9
No response	297	17.5
Total	1695	100.0

and "repeated death and verification from traditional healers (39 percent). Information was also sought on (i) whether a suspected *abiku* child should be subjected to the same treatment as a non-*abiku* child and (ii) where treatment should be sought for a suspected *abiku* child when he/she is sick. Panel 5 of Table 2 shows that 61.7 percent of the respondents shared the believe that a suspected *abiku* child should not be treated like an ordinary child when he/she is sick. About 3 percent are not sure of the type of treatment to recommend to a suspected *abiku* child. When asked 'where a suspected *abiku* should

be treated', about 70 percent of the respondents mentioned traditional or spiritual healer's home (panel 6). This finding reflects the belief that illnesses of *abiku* are not caused by natural but by supernatural forces. Thus, such illnesses are believed to be incurable by 'mere administration of drugs or injections in the hospitals'.

Table 2: *Percentage distribution of mothers by responses to questions on "Abiku"*

1 Belief in the existence of "Abiku"?	
Yes	56.9 (965)
2. Ever had "Abiku" child?	
Yes	15.4 (149)
No	84.6 (816)
3. Is "Abiku" child alive?	
Yes	16.8 (25)
No	83.2 (124)
4. Identification of "Abiku"	
Ill too often	11.6 (112)
Deformation from birth	27.4 (264)
Illness non response to medicine	17.9 (173)
Other	39.0 (376)
No response	4.1 (40)
5. "Abiku" child treated like others?	
Yes	35.3 (341)
No	61.7 (595)
Don't know	3.0 (29)
6. Place of treatment of "Abiku"	
Hospital/Health Centre	29.4 (284)
Traditional healer	59.8 (577)
Church/Mosque	9.2 (89)
Others	1.6 (15)
7. Place of treatment of "Abiku" that died	
Hospital/Health Centre	21.4 (207)
Traditional healer	47.3 (456)
Church/Mosque	14.4 (139)
Both traditional and orthodox	27.9 (163)

The percentages of mothers of different socio-economic backgrounds who claimed to have believe in the existence of *abiku* children are presented in Table 3. The table shows that older mothers are more likely than younger ones to hold the believe that *abiku* children exist. Education is negatively correlated with mothers' believe in the existence of *abiku* children. The table shows that higher proportion of Muslims hold this believe, however, significant proportion of Christians also believe in the existence

of *abiku*. This is an indication that religion has not influenced or change the perception of the Yorubas concerning certain norms. Also, higher percentages of mothers in urban areas believe in the existence of *abiku* indicating that urban residency has not erase completely the perception of these women about certain socio-cultural norms. It should, however, be noted that significant proportion of people residing in urban areas in Nigeria are migrants from rural areas and modernization and westernization have not seriously influenced their cultural perspectives.

Table 3:   *Percentage distribution of mothers by believe in the existence of* abiku *and according to background characteristics*

Background	Number	Believe in the existence of *abiku?*
Current age		
15-29	673	52.9
30-39	714	51.5
40+	307	78.5
Education		
None	485	62.9
Primary	523	68.3
Secondary and higher	687	44.1
Religion		
Catholic	266	47.0
Protestant	863	53.8
Other Christians	403	69.7
Islam	125	76.0
Others	39	69.2
Place of residence		
Urban	856	60.1
Rural	839	53.9
Residence before age 12		
Village	636	59.7
Town	488	59.2
City	491	60.3

5. Treatment of "Abiku" children

According to traditional belief among the Yorubas, there are two categories of children namely *abiku* and non-*abiku*. Since causes of illness are believed to differ between the two groups, we asked mothers to 'state whether the two groups of children should be treated the same way when they are sick'. As indicated above, only 35.3 percent of

mothers believe that an *abiku* child should be treated like any other child when he/she is sick. The percentage distribution of mothers who believe in similar treatment for both *abiku* and non-*abiku* children is presented in Table 4 according to their background characteristics. It is discernable from the table that (i) a clear pattern of association does not emerge between age of mother and the believe in similar treatment for *abiku* and non-*abiku* children (ii) education is positively correlated with the belief in similar treatment for the two groups of children (iii) the fact that less than half of women with secondary (or higher) education hold this belief is, however, a source of concern (iii) Catholic and Protestant Christian mothers are least likely to believe in similar treatment for the two groups of children (iv) rural dwellers are more likely to proffer similar treatment for the two groups of children. This pattern of differential by place of residence is unexpected because mothers in the urban areas, who are not only more exposed to Western ideas but also have higher concentration of modern health facilities, are expected to have more rational attitude than the rural dwellers. Finally, mothers who reside in the city before age 12 are most likely to proffer similar treatment for *abiku* and non-*abiku* children.

As indicated above, close to 71 percent of the mothers suggested traditional health facilities as places to treat *abiku* children. Such facilities mentioned by these mothers include: traditional healer's home (59.8 percent), Church/Mosque (9.2 percent) and other traditional health facilities (1.6 percent). The percentage distribution of mothers who suggested these places by background characteristics is presented in Table 4 below. The table shows that: (i) the probability of suggesting a non-modern health facility does not vary among mothers who are under 40 years (ii) mothers with secondary or higher education are less likely to suggest traditional health facilities than mothers with primary or no education (iii) the probability of suggesting traditional health facilities does not vary much among different groups of Christian mothers (iv) urban residence is positively associated with the probability of suggesting a traditional health facility; and (v) mothers who reside in the city before age 12 are least likely to suggest traditional health facilities.

As mentioned above, majority of the mothers believed that spiritual healing should be sought for an *abiku* child, though some of them still combined traditional healing with orthodox healing. They believed in the efficacy of traditional healing methods, thus corroborating earlier findings by Okri, (1995), Morrison (1988), Quayson (1997) and Achebe (1958) concerning the treatment of *abiku* child. Panel 7 of Table 4 shows that majority of *abiku* children that died were treated in traditional healer's home (47.3 percent). The trust mothers in the area placed in faith-healing home was brought out in the study as 21.4 percent of the mothers still relied solely on churches or mosque for the treatment of dead children. Significant proportion of the mothers (27.9 percent) claimed

to have used the combination of both orthodox and traditional healing methods in the treatment of dead *abiku* children.

Table 4: *Percentage distribution of mothers who believe in the existence of* abiku *by type of treatment and according to background characteristics*

Background	Number	Treat "Abiku" children like others	Belief in non-biomedical treatment for "Abiku"
Current age			
15-29	356	37.3	68.1
30-39	368	39.1	69.4
40+	241	32.3	75.1
Education			
None	305	32.3	72.4
Primary	357	34.6	74.6
Secondary and higher	303	41.1	65.2
Religion			
Catholic	125	27.6	76.1
Protestant	464	40.1	70.2
Other Christians	281	28.6	71.8
Islam	95	48.1	64.5
Others	27	36.4	68.3
Place of residence			
Urban	514	32.6	74.0
Rural	451	39.7	67.2
Residence before age 12			
Village	380	32.3	74.6
Town	289	34.1	70.4
City	296	41.5	67.3

6. Conclusion

We found out from the study that quite a lot of people do not have clear perception of illness and treatment while some attached the death of under-five children to *abiku* spirit. This has serious implication on under-five morbidity and mortality in Nigeria.

The ultimate goal of governments all over the world is to postpone the inevitable 'life ends' by reducing mortality to low levels and ensure the good health of all citizens. But in spite of a general decline in infant and child mortality in developing world, the rates are still high by world standard. The persistently high infant and child mortality

level in Nigeria continues to be disturbing to both planners and policy makers. Despite the fact that the Nigerian Health Policy recognizes the need to reduce the current high childhood mortality, the people's belief and behavioural practices have not been adequately integrated into health intervention programmes. It is disturbing to find out that people are still holding on to their wrong perceptions and attitude towards the etiology of certain childhood diseases and deaths despite the positive effect that modernization and education are having on people's behaviour. As Morrison (1988) noted, a mother who sees her child gradually wasting away without apparent cause, concludes that an *abiku* has entered it, or, as the natives frequently express it, that she has given birth to an *abiku*, and that it is being starved because the *abiku* is stealing all its nourishment. Many people have not realized that infant morbidity and child mortality result from the combined effects of nutritional deficiencies, infections, parasitic and respiratory diseases. Mothers do not have clear perception of illness and treatment while some attached the death of under five to '*abiku*' spirit. Therefore, there is need to integrate the people's beliefs, attitudes and behavioural practices into health promotion programmes to achieve a maximum reduction in child and infant morbidity and mortality. Unless this is done, there might not be too much progress as regards curtailment of infant and childhood morbidity and mortality in Nigeria.

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