

Examining the low women autonomy in household decision makings in Sidama zone, Southern Ethiopia

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ABSTRACT

The low level of women autonomy and the key pre disposing factors affecting household decision makings among many population groups in Ethiopia is not well understood among scholars, and is less investigated. This study examined the status and the micro level factors associated with women autonomy in Sidama, the most populous zone in Southern Ethiopia. A simple random sampling technique (using the available complete listing of households) was used to select the 231 sample households from one of the districts of the zone. Sidama zone was selected due to its historically strong customs of patriarchal family system. Quantitative and qualitative data were obtained using structured questionnaire and focus group discussions. Household, women and husband characteristics were used as explanatory variables while women autonomy index, developed from a set of questions, served as the dependent variable. The study revealed that women's decision makings on core household and personal issues were very low in the study population. The predicted probability, using Ordinary Least Square Regression shows that women's education, alcohol intake by husbands, household size and land size were the main determinants of autonomy in decision makings in the study area. The study recommended that concerned bodies should capitalize on educating women and girls through both formal and informal learning platforms, promote income generation activities through entrepreneurship, increased access to property and economic assets, training, microfinance and markets.

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1. BACKGROUND

Autonomy is understood as the ability to obtain information and make decisions about one's own concerns. Studies often assess women's autonomy with an index measuring participation in decision making about various household issues such as major and minor household purchases, freedom of movement and decisions on household finance (Dabere et al, 2014; Woldemicael, 2007; Tiwari and Kumar, 2006; Bloom et al, 2001). Autonomy in decision makings at household level facilitates access to various household resources such as food, land, income and other forms of wealth, and social resources such as knowledge, power, prestige within the family and community (Mullany, 2006; Chanan, 1996). On the contrary, various studies reported that when women exercise low status and autonomy, their ability to obtain access to certain strategic resources (such as health services) declines, and in turn face various social and economic burdens (Jane, 2015; Dev et al, 2010). For instance, women's final say in decisions regarding day-to-day household purchases and spousal communication are significant explanatory variables in health seeking behaviors and fertility preferences (Woldemicael, 2009).

In Ethiopia, like many other patriarchal societies, women have little or no autonomy in every measure and standard (CSA and Macro, 2011; Hirut, 2010). Lack of access to productive resources such as land; lack of access to education, employment opportunities, basic health services, and protection of basic human rights; low decision making; violence and harmful traditional practices are some of the indicators of the socioeconomic marginalization of women in the country. Ethiopia is traditionally a patriarchal society that keeps women in a subordinate position and there is a belief in the general population that women are docile, submissive, patient and tolerant of monotonous work and violence (Hirut, 2010; Emebet, 2008). In the process of upbringing, boys are expected to learn and

become self-reliant, major bread winners, and responsible in different activities, while girls are brought up to conform, be obedient and dependent, and specialize in indoor activities like cooking, washing clothes, fetching water and caring for children (Hirut, 2010; Emebet, 2008; ESPs, 2008; UNFP, 2008; APFSU, 2007).

Despite the fact that the legal reforms undertaken over the last two decades with respect to protecting the rights of women and girls are found to be truly significant, it has far distance to get down to the household level. This is to say that women are still victims of various social and demographic outcomes mainly due to lack or absence of autonomy at household level. For example, a recent study on intimate partners' violence in southern Ethiopia indicated that about 32 percent of women were abused by their husbands, ranging from verbal attack to severe physical assault (Nigatu, 2011). While further studies are required, it can be said that the low autonomy in decision makings has significantly impacted women's level of access and control over many community resources. For example, the National Demographic and Health Survey of Ethiopia (CSA and Macro, 2011) reported that only 25 percent of Ethiopian women were being attended by skilled health professionals partly due to their low decision making autonomy; that 57 percent of currently married women were employed compared to 99 percent of currently married men; and 30 percent of currently employed women were not paid for their work compared to 9% of men. As far as decision making in regards to three important dimensions, the report revealed that 54 percent of women participate in all 3 domains of decisions (health care, major household purchases and visits to family).

Previous studies have documented several factors associated with women's low autonomy and

decision makings at households. These factors usually revolve around women's characteristics, household characteristics and husbands' socio economic status. Women's education is the most frequently reported variable in previous studies (Sultana, 2011; Dev 2010; Ami, 2008; Bloom et al, 2001). Other studies reported positive associations with women's age, residence, employment and number of living children (eg. Dev et al, 2010). Studies on women autonomy in Southern Ethiopia, especially in the study zone, are very few. These few studies target some specific aspects of women's access and control over resources (such as land, microfinance, health care or related domains), and many did not directly deal with women autonomy in its own right.

Therefore, this study attempts to answer the questions "What is the overall status of women autonomy (using broader domain of proxy variables) and what are the key predictors of women autonomy in decision makings?" in one of the districts in Southern Ethiopia (Hawassa Zuria District).

2. METHODOLOGY OF THE STUDY

2.1 The study setting

Sidama Zone is one of the 13 zones found in Southern Nations Nationalities and Peoples Regional State (SNNPRS) of Ethiopia. It is located in the North Eastern part of the region and bordered by Oromiya region in the North, East and Southeast, with Gedeo Zone in the South, and Wolaita Zone in the West (see fig 1 below). The zone has a total area of 7200 Km² divided into 19 Woredas/ districts/ and 2 city administrations. According to the zonal finance and economic development office, Sidama was estimated to have a total population of 3, 218,671 which takes the share of 19.78 % of the regional population. The average population density of the Zone was 461 people per kilometer square, making it one of the most densely

populated zones in the region/country. A substantial area of the Sidama land produces coffee, which is the major cash crop in the region. Corn, wheat, barley and pepper are also produced in the zone. Chat and Pineapple are increasingly becoming common cash crops in the Zone next to coffee production. The study district is Hawassa Zuria with 23 kebeles (smallest administrative unit). The area size of the Woreda is 22, 643 hectare, and dry zone accounts 75 %.(SZFEDB, 2003). The total population of the district is 139,654 of which female population accounts 69, 158.

2.2 Data source and sampling design

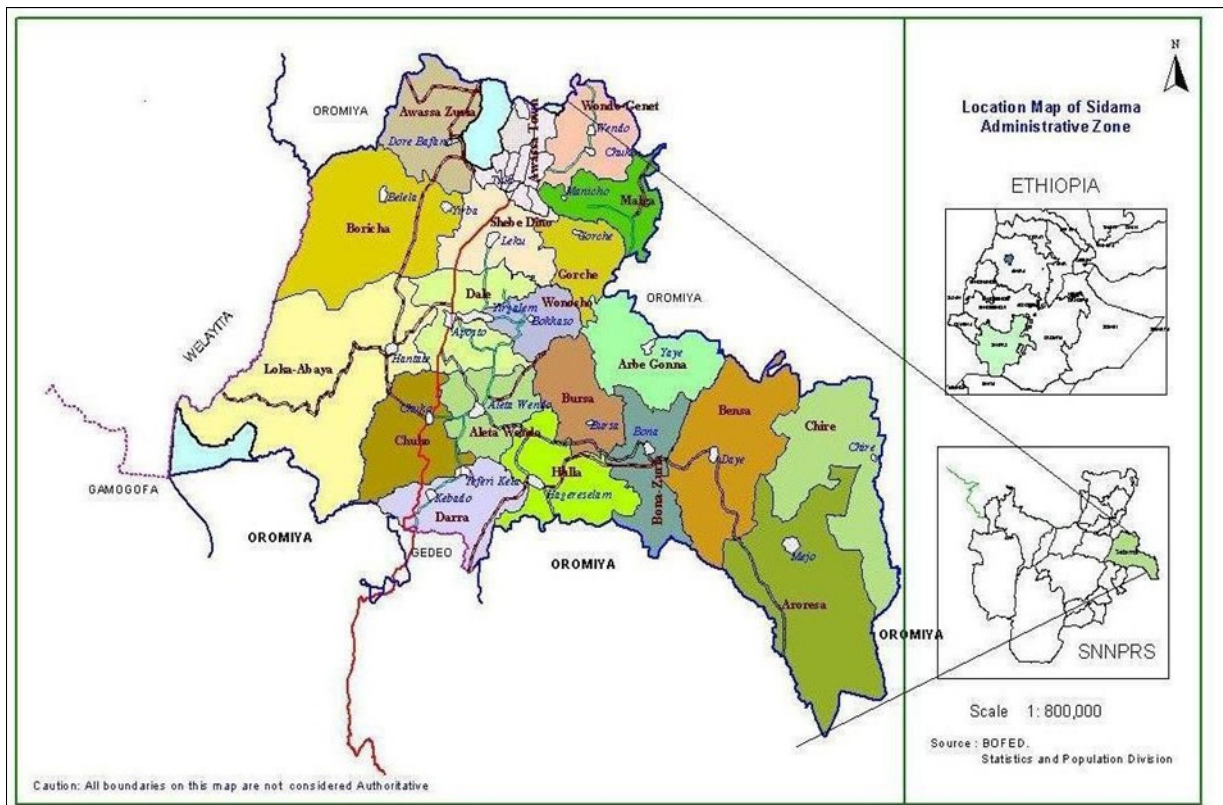
The study is a cross sectional quantitative study. The major data for this study were generated from married women accessed through household survey.

Once the study district was randomly selected from a total of 19 districts in the zone, a sample of 231 households was determined using the Cochran population based sampling formula (Cochrane 1977) , taking into account precision level of 5% and level of women autonomy from previous studies. Three villages (kebeles) were randomly selected (namely Dore Bafano, Labu Koromo, Jara Damuwa kebeles) from the total list of 23 villages. More than 90 percent of the population in the three kebeles practice mixed agriculture and are among the most food insecure villages in the district. Then, from each selected kebele, we took 10 percent of the households, giving a size of 90, 110, and 31 households for the three kebeles respectively.

2.3 Data Collection

The data for this study were generated using a well structured interview schedule. The instrument, among other things, contained demographic and socio-economic characteristics of the respondents, women autonomy indicators and husband characteristics. Information on the dependent variable (women autonomy) was collected using more broader domains of participation in household decision makings. To better

Figure 1: Administrative Map of the study area.



Source: (Hawassa Zuria Woreda, Finance and economic development, information dissemination work process pamphlet, Volume 1, No 2, 2004,) **Note:** Under ethnic based federalism of Ethiopia, a zone is defined as a relatively independent administrative unit in a province/region. A zone consists of several districts (woredas) and the districts in turn are composed of several villages (locally known as kebeles).

address the women's safety and confidentiality of the information, we hired three women health extension diploma holders for data collection. The data were collected from women respondents using local language (Sidamigna). Pre-testing of the questionnaire and training of data collectors were performed before data collection commenced. Further, based on the recommendation of WHO (2001), safety and ethical considerations in the collection of autonomy and violence data were observed. For instance, we conducted the interview in a private setting in view of keeping the secrecy of the responses given by the respondent. The data collection took about 25 days.

2.4 Data processing and Analysis

The study employed univariate analysis to describe the characteristics and other selected variables. In order to examine the association between the dependent variable (women autonomy) and the explanatory variables, multi-variate statistical techniques (ordinary least square regression model) was used. The model provides the net effect of each predictor controlling for the effects of confounding factors. This model assumes that a one unit change in the outcome variable associated with a given change in an independent variable is the same at any point in the outcome scale.

The dependent variable was measured by autonomy index computed from affirmative responses of decision making questions used in most studies (eg. CSA & Macro International, 2011; Dev et al, 2010). The DHS questionnaire, for instance, commonly uses four areas of women's autonomy in decision making, which includes decision makings on own health care, making major household purchases, making purchase for daily household needs and visits to her family or friends. In other studies women's autonomy was measured by the composite index of three constructs of women's

autonomy: control over finance, decision-making power and extent of freedom of movement (Dabere et al, 2014; Woldemicael, 2007; Tiwari and Kumar, 2006; Bloom et al, 2001).

In the present study, we used eight autonomy indicators which include: decision maker on the use of wife's money, major household sales and purchases, number of children to have, relatives visit, daily household needs, pregnancy and delivery time, and decision maker on sale of cattle or crops in need of finance to the household. After computing only the respondents' and joint decisions with her husband, excluding responses of decisions made by the "husbands alone and others decision", a continuum scale of 0 to 8 was formed where 0 represents "no autonomy" and the scores "1-8" represent "some autonomy" in the scale.

Twelve socio economic and demographic variables were used as independent variables selected based on review of literature and model building procedure. The independent variables used in the study are: age difference between the spouses (commonly used as a proxy for power balance between husband and wife), education level of the husbands, educational status of the respondents, wealth index of the households (computed based on ownership of nine household assets), marital form or polygamy, husband frequency of alcohol taking, age of the respondents, household size, household members aged 15-64, duration or stay in area, land size, and work status of the respondents. We tested multi co-linearity among these independent variables using variable inflation factor (VIF), and all explanatory variables were found to be fairly independent of each other.

3. RESULTS

3.1 Background Characteristics

Table 1 presents the socio economic characteristics of the respondents. It is seen that the large majority of the respondents (73.6 percent) did not

have education or were illiterate. The distribution of the respondents by religion shows that the protestant Christians take the biggest share (89.6 percent) and the remaining groups account for smaller proportions: Catholic (3.9 %) followed by Muslims ,others (2.2 %) and Orthodox (1.3 %). Husbands level of education indicates that larger proportion of them (43.7 percent) were at primary level of education.

The analysis showed that 22.9 percent of the women were engaged in polygamous marriage arrangement, which is almost twice the national average (i.e. the DHS 2011 reported 11% for the country). Majority of the respondents (71.9 percent) reported that they depend on income generated only through their husbands, and only 10.8 percent reported from own saving, 6.5 percent support from relatives or aid from Government or NGOs, and 7.4 percent from sales of cattle and crops. Land ownership by households was small and fragmented. About 45 percent of the households owned between 1-2 hectares and more than 50 percent of the households owned less than 1 hectare. Wealth index computed based on households' ownership of nine common assets (electricity, sewing machine, cart, mobile phone, flashlight, corrugated iron roofing, bike, radio and kerosene lamp) indicates that 57.6 percent of the households were classified as having low (0-3 assets) wealth status, 40.7 percent labeled as medium and very small proportion of the respondents in better wealth status.

Majority of the respondents reported to have above 6+ children (45.8 %) followed by 4-6 (40.3 %) and 0-3 (13.9 %). About 91 percent of households were male headed while the remaining small proportions were female headed.

3.2. Women autonomy indicators

As described in the methods section above, we measured autonomy using a set of eight household decision making questions which are commonly used by

other researches. These questions were used to form the continuous dependent variable by composing the affirmative responses. (See Table 2).

It can be inferred from Table 2 that 74.7 percent of the respondents do not participate in the decision on the money generated by themselves while 14.7 percent reported joint decisions. Similarly 81.7 percent of the respondents have no say on the money coming from the husband. The large majority of the respondents (81.3%) reported that decisions regarding their visits to relatives are made by husbands, and only 10.4 percent of them decide jointly. Most decisions on major household sales and purchases are made by husbands (79.2 percent) and few jointly (9.1 percent).

In 64.9 percent of the households, decision maker on daily household needs are husbands, 16.9 percent by the respondent and 17 percent jointly. Husbands are also the one making most decisions regarding pregnancy and timing of next birth (See table 2).

3.3 Predictors of women autonomy: Multivariate analysis

For the multivariate analysis, we selected 12 key explanatory variables based on literature review and model building procedures to see their net effects on the outcome variable of interest using Ordinary Least Square regression (OLS) model.

Accordingly, four out of twelve independent variables were found to have association with women autonomy at different level of significance. These are: literacy status of the respondents ($p=0.004$ **), husband's frequency of alcohol use, ($p=0.002$ **), household size, ($p=0.008$ **) and land size ($p = 0.031$)*. The others ; age difference between the spouses, education level of the husband, wealth index of the households, marital form or polygamy, age of the respondent, household members aged 18-64, duration of stay in area, and respondents work statues, have

Table 1: Percentage distribution of respondents by selected socio- economic and demographic characteristics, Sidama Zone, Hawassa Zuria District, SNNPR, Ethiopia. (n=231)

Characteristics	Percent
Literacy Status of the Respondents	
Yes	26.4
No	73.6
Religion	
Orthodox	1.3
Catholic	3.9
Protestant	89.6
Muslim	2.2
Traditional	0.8
Others	2.2
Education Level of the Husbands	
Primary (1-6)	43.7
Secondary (7-8)	11.3
Higher Secondary (9- 12)	2.6
College diploma	2.6
College degree	1.7
No education	38.1
Wealth status of the households	
Poor	57.6
Medium	40.7
Better	1.7
Marital Form	
Polygamous	22.9
Monogamous	77.1
Main income Source of the Respondents	
Husband's Money	71.9
Respondents own Saving	10.8
Support from Relatives, Government or NGO	6.5
From Sales of Cattle/Crops	7.4
From Formal Employment	2.6
Other	0.8
Land Size of the Household	
0-025 hectare	0.4
0.25-0.50 hectare	27.7
0.5-1 hectare	45
1-2 hectare	23.8
Above two hectare	1.7
Household size	
0-3	13.9
4-6	40.3
Above 6	45.8
Headship of the Household	
Female	8.7
Male	91.3

Source: own survey result.

Table 2: Percentage distribution of respondents by reported participation in selected domains of household decision makings, Sidama Zone, Hawassa Zuria District, Southern Ethiopia. (n=231)

Indicators	Percentage
Decision maker on the use of wife's money	
Respondent	10
Husband	74
Both jointly	14.7
Others	1.3
Decision maker on the use of husband's money	
Respondent	4.8
Husband	82.7
Both/ jointly	12.5
Decision maker on relatives visit	
Respondent	7.4
Husband	82.3
Both /jointly	10.3
Decision maker on major household sales & purchases	
Respondent	11.7
Husband	79.2
Both/ jointly	9.1
Decision maker on daily household needs	
Respondent	16.9
Husband	64.9
Both/ jointly	17.7
Other	0.5
Decision maker on pregnancy and birth time of the respondent	
Respondent	6.9
Husband	66.7
Both/ jointly	26.4
Decision maker on number and sex of children	
Husband*	66.7
Both /jointly*	27.7
Decision maker on sales of cattle and crops	
Respondent	10.4
Husband	89.6

Source: own survey result * sum is not 100% due to non-response

Table 3: Results of ordinary least square (OLS) regression for key selected explanatory variables and level of women autonomy, Sidama Zone, Hawassa Zuria District ,Southern Ethiopia (n=231)

Variables [®]	B	Std. Error	Sig.
(Constant)	-1.826	1.955	0.351
Age difference between spouses	-0.025	0.022	0.271
Education level of the husbands	-0.047	0.066	0.478
Educational status of the respondents	1.053	0.362	.004**
Wealth index of the households	0.172	0.28	0.541
Marital form/polygamy	-0.101	0.365	0.783
Husband frequency of alcohol use	-0.332	0.105	.002**
Age of the respondents	-0.271	0.491	0.582
Household size	0.212	79	.008**
Household members aged 18-64	-0.223	0.121	0.067
Duration/ of stay in the area	1.19	1.245	0.34
Land size owned	0.578	0.267	.031*
Work status of the respondents	0.282	0.302	0.351

Source: own survey result.

shown no significant association with the outcome variable of interest.

It is indicated that a one unit change in educational status brings about 1.053 units change in the level of women autonomy. ($B=1.053$ and P-value 0.004). Also a one unit change in husband's frequency of alcohol use brings about a decrease in the level of autonomy by 0.332 units. Similarly, a unit change in household size brings about increase in women autonomy by 0.212 units indicating positive relationship. Finally, it is also seen that increase in household land size by one unit results in increase of women autonomy by 0.578 units.

5. DISCUSSION

This study examined the level of women autonomy and the micro level factors associated with women's decision makings in one of the most populous zones in Southern Ethiopia (the Sidama zone). The results presented in previous section are based on a

representative sample of 231 women respondents taken from one of the randomly selected districts of the zone. It is understood from the analysis that quite large proportion of women experiences little or no autonomy, and do not participate in decision makings of major household affairs. If one looks at the different rates given for each autonomy indicators shown in table 2, it appears that women's participation in household decision makings is unacceptably low. The fact that seventy four percent of the decisions on wife's income is made by the husband alone, suggests the prevailing low women autonomy in the study area.

We found out that the factors associated with low autonomy were related to either the women's characteristics or household socio-economic status, or husband's characteristics. The most important characteristics predicting autonomy was educational status. Women with more education tend to be more assertive, and thus will not settle for less in their gender relationships. This has been corroborated by similar studies in Ghana by Ami (2008). A national level study in

Nepal(Dev et al, 2010) reported that highly educated women were more likely to take part in decision making in their own health care. This is mainly due to the fact that education may impart feelings of self-worth and self-confidence, which are more important features in bringing about changes in health-related behavior than exposure to relevant information (Bloom et al, 2001). Sultana (2011) documented that women's educational attainment, occupation and income were positively related to women decision-making power at household level.

In relation to the husbands' characteristics, alcohol taking has appeared as important risk marker for low autonomy. It was observed that wives of men who do not drink alcohol are more autonomous. The alcohol taking behavior of husbands may particularly affects the decision makings on household expenditure and family visits. Population based surveys from Brazil, Cambodia, Canada, Chile, Colombia, Costa Rica, El Salvador, India, Indonesia, Nicaragua, South Africa, Spain and Venezuela also found similar relationship between a woman's risk of suffering violence and lack of autonomy and her partner's drinking habits (Ellsberg,2000). It is believed that alcohol operates as a situational factor, increasing the likelihood of violence by reducing inhibitions, clouding judgment and impairing an individual's ability to interpret cues.

As far as household size is concerned, we found in this study that women living in large households are more likely to be autonomous than those women living in small household size. Previous studies in Ethiopia (eg. Desalegn, 2008) has also reached similar conclusions on the effect of household size on women autonomy. The national level study in Nepal (Dev et al, 2010) also reported a strong positive relationship between number of living children (which can be a proxy of family size) and decision-making participation, indicating that the more children women have, the more likely they participate in decision making in all domains.

This study hypothesized that women living in household with large land size are more likely to be autonomous than those living in households owning small land size. The multivariate analysis has witnessed positive associations between the two variables i.e. as land size owned by the household increases, the level of women autonomy also increases. It was reported in previous section that nearly half of the households owned 1-2 hectare of land. One possible explanation for the reported association between the two variables may be the higher prevalence of polygamous women (about 22%) who usually live in households where husbands own larger land size since such marital system has historically been based itself on adequate availability of land and cattle resources. According to the customs in such marital arrangement, husbands stay with their different wives alternatively, leaving these wives with some window of autonomy to administer household resources(such as land). Consistent to this finding, a regional level study (UN-HABITAT, 2008) reported that women who owned their own land and has land certification cards are more likely to be autonomous than those who use land with their husbands and land not certified.

Finally, there is one main drawback of this study worth mentioning. The findings of this study are based on cross-sectional data collected from women respondents, and hence, the information collected on their husbands' characteristics might have been affected by some omissions and biases. Thus, until large scale longitudinal data collection from husband and wife is possible, this study can only be used to understand household level factors associated with the unacceptably low autonomy in decision makings from women's perspectives. Despite such weaknesses, it is believed that this work contributes to our understanding of the problem and provides some direction to decision makers in Sidama zone, Southern Ethiopia.

5. CONCLUSIONS

This study has documented that women's autonomy is unacceptably low in the study area, and women are excluded from many of the strategic household decisions. In view of the fact that education has appeared as one of the key predictors of the outcome variable, attention should be given to increasing females' participation in formal education. Also, it is equally important to promote peer education at household and community levels for improved husband-wife communication as it is central to women's autonomy in decision making. The local government should also give attention to rural women's involvement in income generation activities; ensure women's access to property through land ownership certificate and other economic assets.

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