

Poverty and Hunger in the Upper East Region of Ghana

Cesar Guvele

Kansas State University – USAID METSS

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2015 Survey Structure

- Reporting changes in the indicators from 2012 based on original 4,410 households
- These households were sampled using a 2stage probability sampling approach
 - Stage 1: Probability proportional to size approach to select EAs
 - Stage 2: Systematic sampling approach to select
 20 households per EA



Context

- 2012 PBS based on RING/Non-RING strata
- However, IPs needed information on districts
- So, with Mission support, we have collected baseline data to establish baseline metrics for traditional FtF indicators

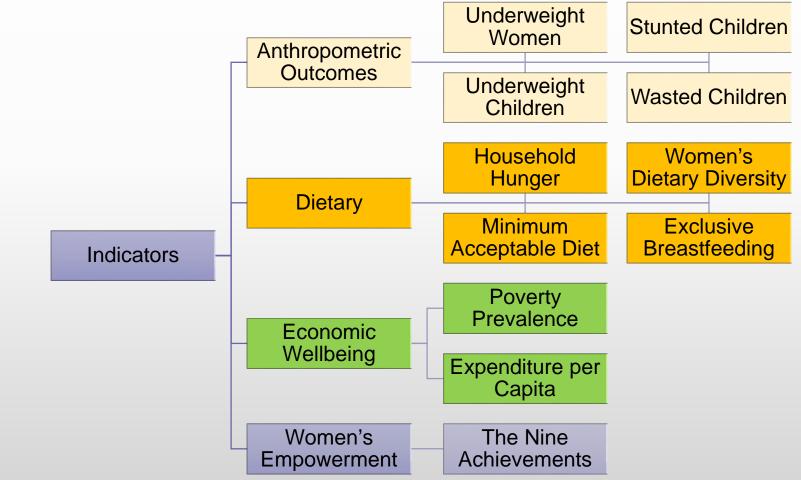


Context

- Level of analysis = Household
 - Except WEAI, women and children's anthropometry
- Sampling approach
 - Matched 2012 sample = 4,410
 - Added another 2,751 to cover all districts in the ZOI using the original 2-stage probability sampling approach
 - Stage 1: Probability proportional to size approach to select EAs
 - Stage 2: Systematic sampling approach to select 20 households per EA



The Indicators

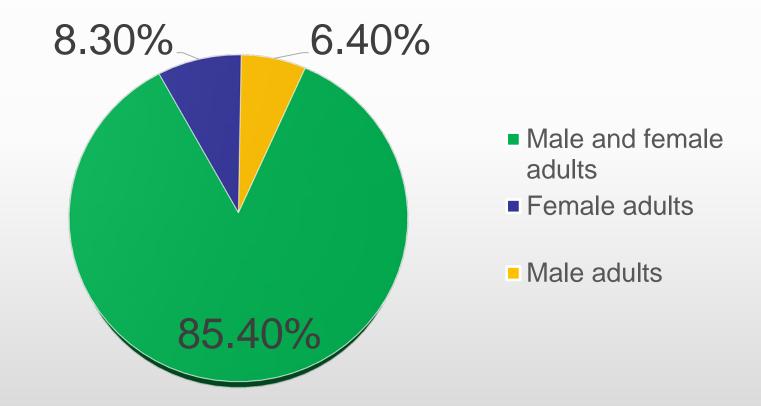




Demographics

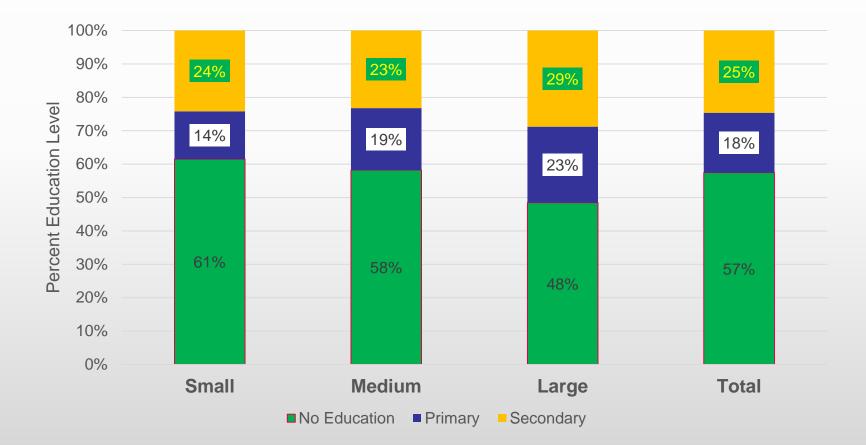


Basic Household Characteristics

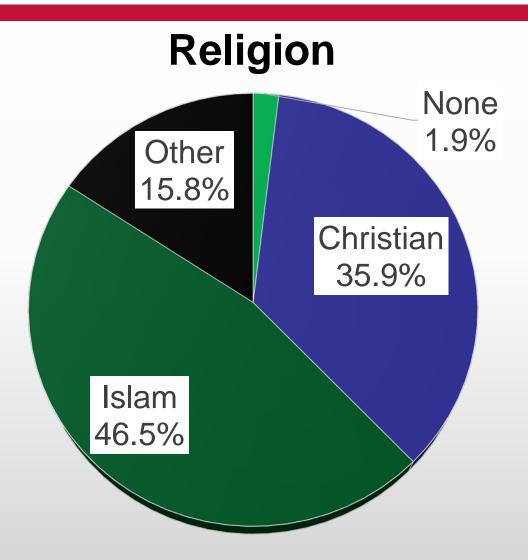




Household Size and Education









Economic Wellbeing and Poverty



Expenditure and Poverty

- Expenditures are used as a proxy for income
- Collected information on four expenditure categories:
 - Food; Housing; Non-durables; Durables
- Used the poverty threshold of \$1.25 same as 2012



Expenditure and Poverty

- Expenditure is used as a proxy for income in the PBS and covers four categories of consumption
 - Food
 - Housing rent and imputed rent
 - Durables last longer than a year (bicycles, radios, cellphones, etc.)
 - Non-durables educations, health, beauty care, grooming, firewood and other household fuel, transportation, etc.



Expenditure and Poverty

- Respondents are asked to provide expense information on various items within each of these four categories – 256 items in total across all four categories
- Food consumption based on 7-day recall
 - How much was consumed communally and by individual household members at home and away from home
 - Disaggregated into proportion purchased, from own production and from gifts and other sources
 - Imputed price of own production and gifts in GHS

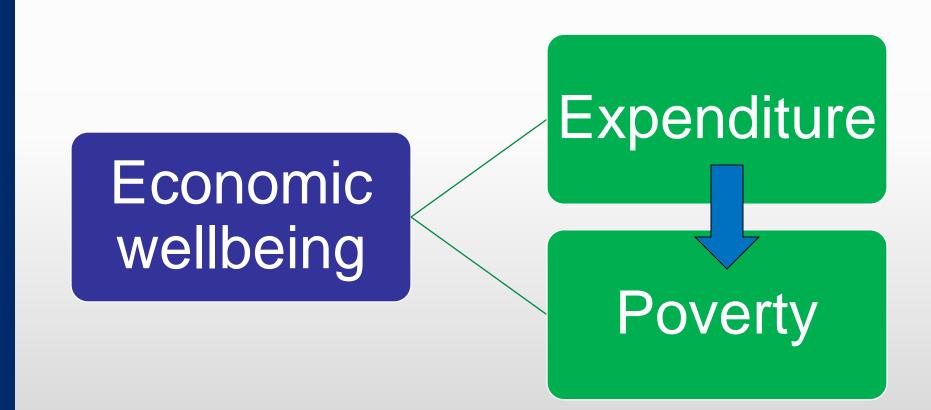


Poverty defined

Poverty is the lack of basic necessities that all human beings must have: food and water, shelter, education, medical care, security, etc. A multi-dimensional issue, poverty exceeds all social, economic, and political boundaries. As such, efforts to alleviate poverty must be informed of a variety of different factors.

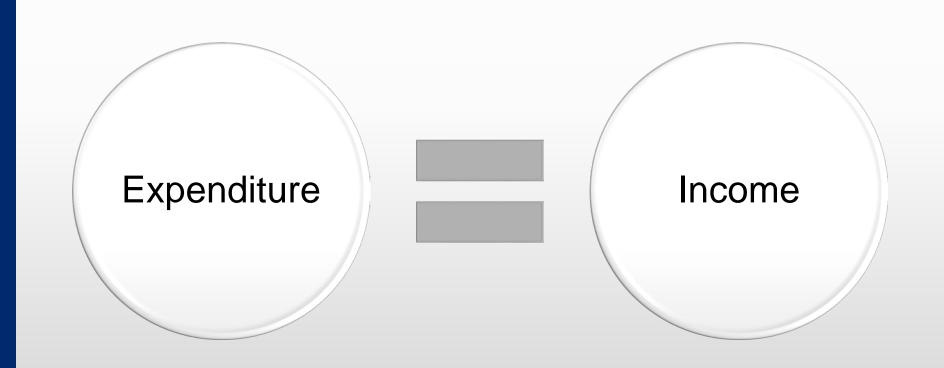


Our Focus = Households



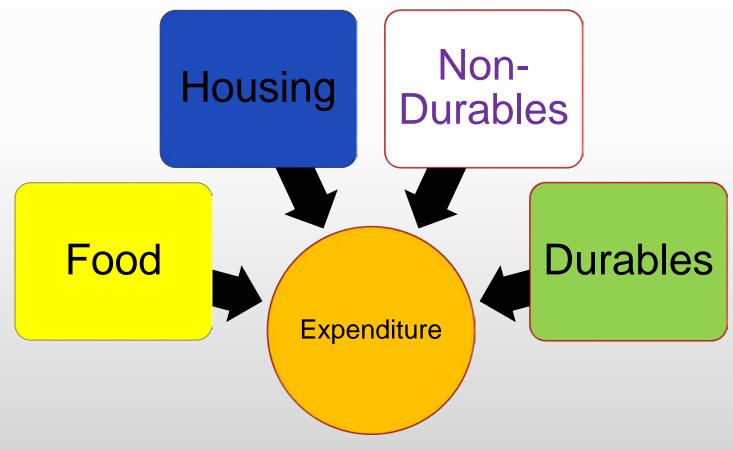


Basic Assumption





Components of Expenditure = 256 items with different recall times





Expenditure

Total Annual Aggregate Expenditure / 365 days

Daily Aggregate Expenditure



Establishing the Poverty Threshold





Prevalence and depth of poverty

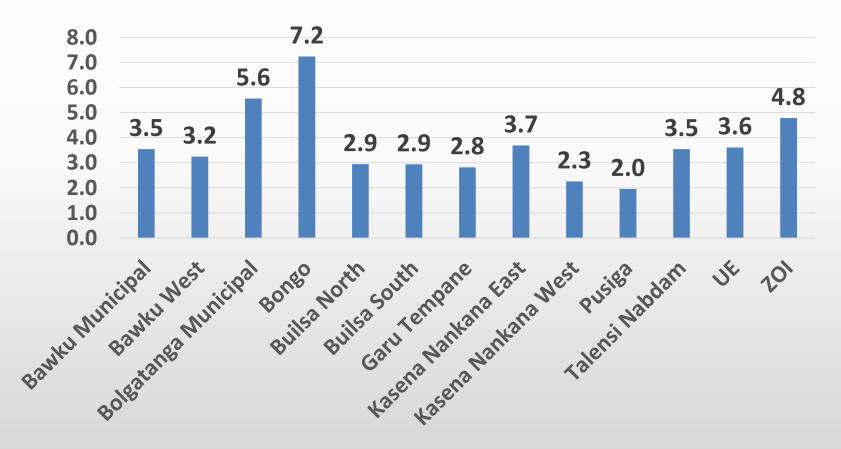
- The prevalence of poverty, (the poverty headcount ratio) is the percent of individuals living below a poverty threshold.
- It indicates how *many* individuals are impacted by poverty, it does not address by how *much* people are *impacted* by poverty.
- To measure this the depth of poverty (the poverty gap), is used.
- The non-poor counted as having a gap of zero.



Results



District level daily per capita expenditure (in 2010 USD) in UE





Daily per capita expenditure distribution (in 2010 USD) in ZOI

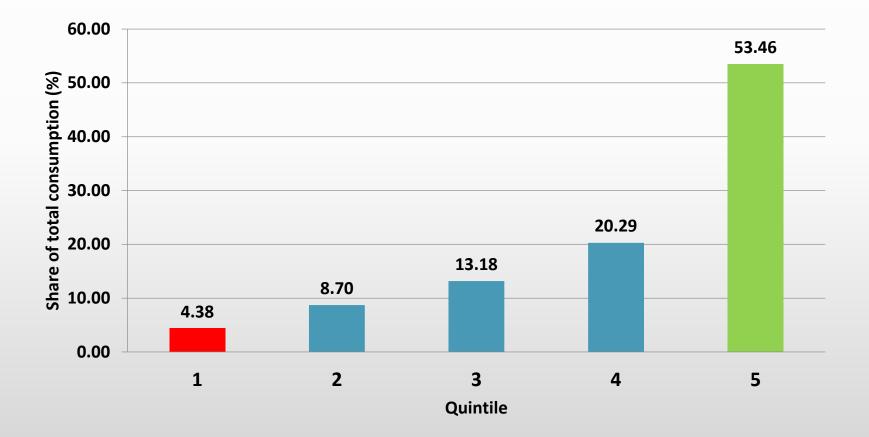
All households (3727)

• [Nean	4.29
	– 10 th percentile	0.65
	– 25 th percentile	1.06
	– 50 th percentile	2.20
	– 75 th percentile	10.23
	– 90 th percentile	16.19
	Differences by beyended at the rest	

Differences by household characteristics



Share of consumption per quintile in ZOI





Poverty at the \$1.25 (2005 PPP) per person per day threshold

•	Prevalence of poverty	
	 Percent of population 	18.1
	 Sample size assessed 	3836
•	Depth of poverty	
	 Percent of poverty line 	6.6
	 Sample size assessed 	3727
•	Average consumption shortfall of the poor	
	In USD 2005 PPP	0.44
	 Percent of poverty line 	35.3
	 Sample size assessed 	695
•	Differences are noted by household characteristi	20



Poverty at the national absolute threshold of 1314GHS per adult (2012/13)

•	Prevalence of poverty	
	 Percent of population 	43.4
	Sample size assessed	3792
•	Depth of poverty	
	 Percent of poverty line 	18.7
	Sample size assessed	3792
•	Average consumption shortfall of the poor	
	In GHS 2013 PPP	529.1
	Percent of poverty line	40.3
	Sample size assessed	1761

• Differences are noted by household characteristics



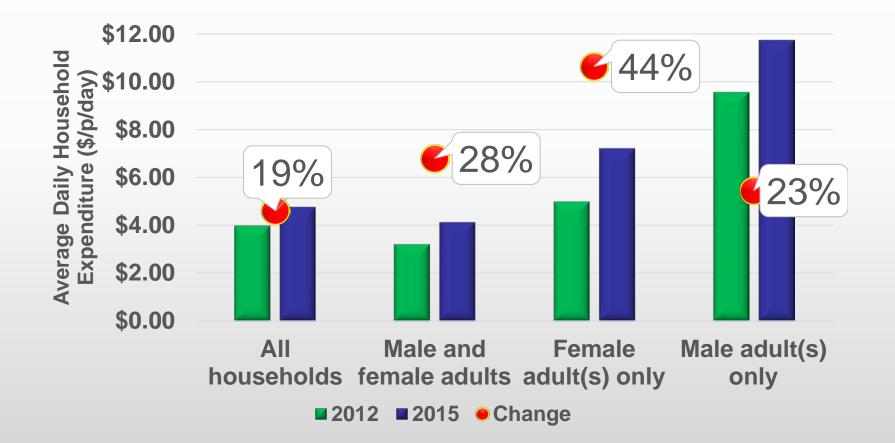
Poverty at the national extreme threshold of 792.05GHS per adult 2012/13)

•	Prevalence of poverty	
	 Percent of population 	21.1
	Sample size assessed	4061
•	Depth of poverty	
	Percent of poverty line	7.8
	Sample size assessed	3792
•	Average consumption shortfall of the poor	
	In GHS 2013 PPP	272.6
	Percent of poverty line	34.4
	Sample size assessed	856
•	Differences are noted by bousehold obstactoristics	

• Differences are noted by household characteristics

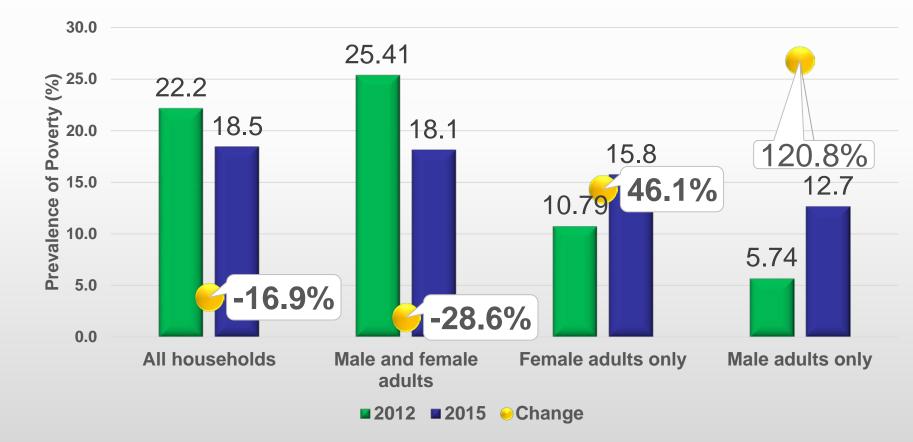


Change in Expenditure by Gendered Household Types



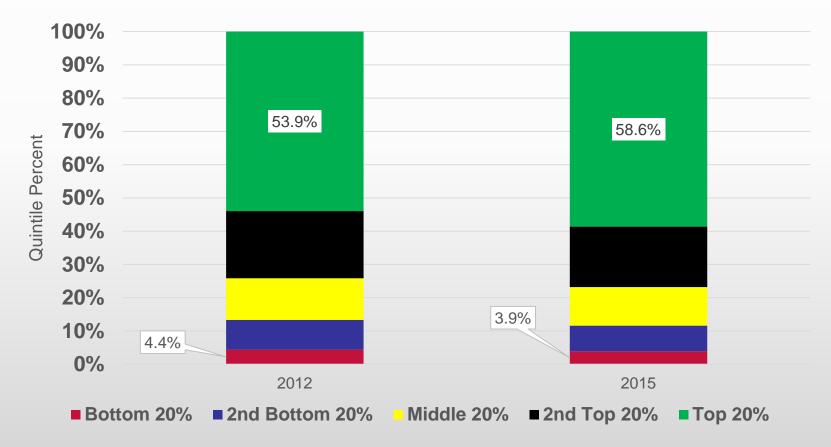


Change in Poverty by Gendered Household Types



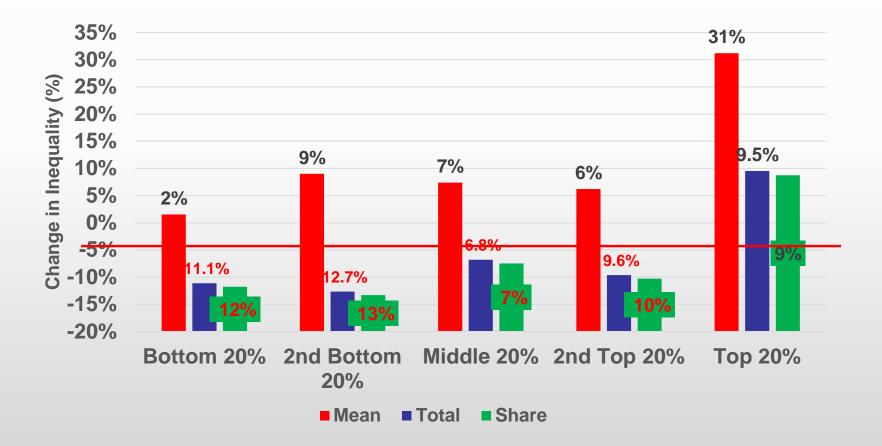


Inequality Indicator: Distribution of Consumption by Quintiles



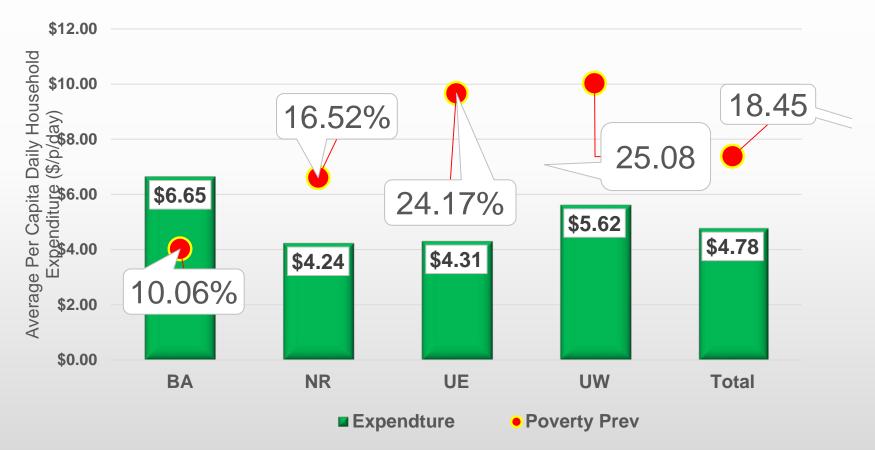


Change in Inequality 2012-2015



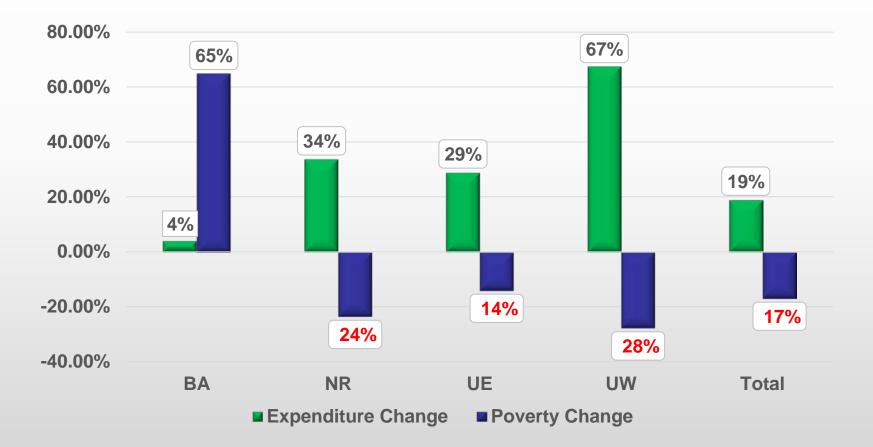


Expenditure and Poverty by Region (2015)





Expenditure and Poverty Change by Region (2015 v 2012)





What Can We Learn?

- How are those counted as poor differ from those who are not?
- The probability of being among poor households is determined by education, gendered household type, household size, location, and food share of total expenditure



What Can We Learn

- Compared to BA, the odds of being poor is 1.9 times higher in NR, 2.9 times higher in UE and 4.1 times higher in UW
- There is no statistically significant difference between male and female adults and the other gendered household types when it comes to the probability of being counted among the poor
- Female adults only households differ slightly



What Can We Learn

- The odds of being poor with education is about 0.6 times the odds of being poor without education
- Every member increase in household size increased the odds of being poor by 23%
- Every increase in percent increase in food share of total expenditure reduces the odds of being poor 14%



What Can We Learn

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The three northern regions are still vulnerable despite progress in poverty reduction

Investments in education is very important in reducing poverty risk



Take Aways

- Expenditures have increased
- Poverty prevalence has declined from the baseline
- However, the gap between the top and the bottom quintiles has increased
- Policymakers can help poverty alleviation by facilitating the enabling environment
- Individuals can do their part by enhancing their education and investing in that of their kids



Thank you very much