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Women's Empowerment in Agriculture and Anthropometry

PBS 2015 Interim Results

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Outline

WEAI

Results for region

Selected results for selected districts

Women's Anthropometry

Results for region

Selected results for selected districts

Children Anthropometry

Results for region

Selected results for selected districts



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WEAI



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WHAT IS WEAI

- Despite women's role in agricultural (economic) growth, they face persistent obstacles and economic constraints that limit their inclusion in agriculture.
- A tool to measure whether women are empowered in the activities they do in agriculture and whether the activities being implemented are having the intended effect of empowering and improving gender equity



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WHAT IS WEAI

- Measuring women's empowerment, agency, inclusion and engagement in the agricultural sector.
- It also measures women's empowerment relative to men within their households, providing a more robust understanding of gender dynamics within households and communities
- Identifying ways to empower women working in agriculture



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WHAT IS WEAI

- Monitoring the impact of intervention on inclusive agricultural growth which benefits the poor and includes women



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PURPOSE OF THE WEA INDEX

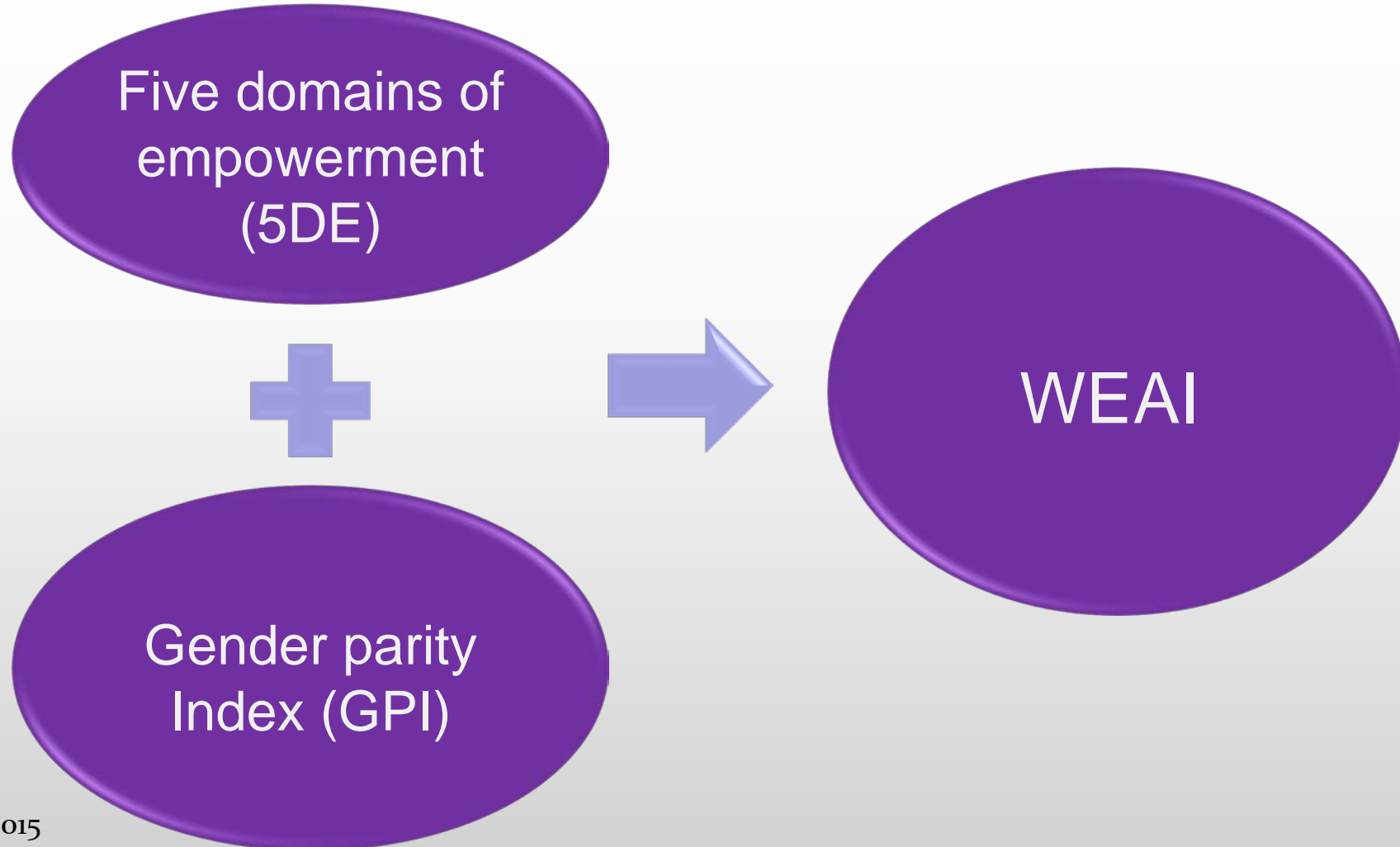
- Monitor change in women's empowerment under FTF
- Evaluate approaches for effectiveness
- Diagnostic tool to identify constraints





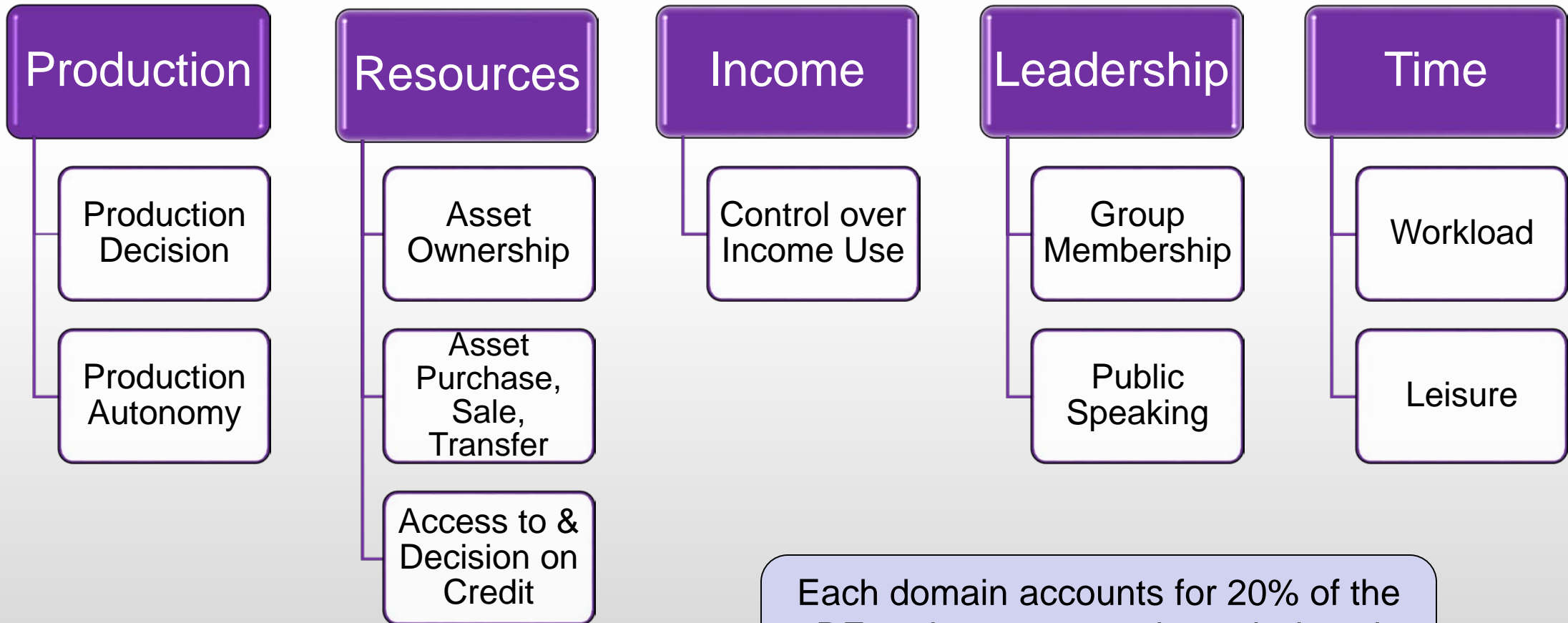
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HOW IS WEAI CONSTRUCTED





5 DOMAINS OF EMPOWERMENT



Each domain accounts for 20% of the 5DE and components in each domain have equal weights



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“I know of a woman in this village; she is organized, her crops do not rot in the garden and her children are healthy, well behaved and studying.....[she is empowered]”



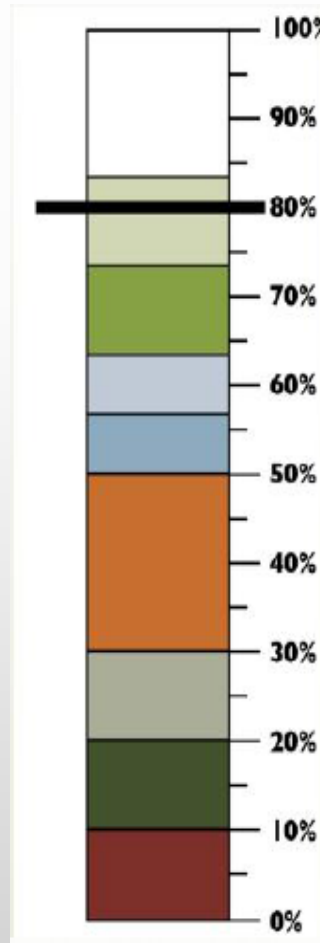
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“An empowered person is someone who has the power to decide, to say, if they have land, “ well, I can go farm, I can grow crops, I can plant seed; or if they have animals, to say, ‘I can sell them without going to ask permission’ this is a person who has the power to decide about their things, their life, their actions”



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Who is empowered?



An individual who has achieved '**adequacy**' in 80% or more of the **weighted** indicators.



Criteria for (in)adequacy in the indicators

Indicator	Adequacy Criteria
Input in Productive Decisions	A woman is adequate if she participates or feels she has input in at least two types of decisions.
Autonomy in Production	A woman has adequate achievement if her actions are motivated more by her values as opposed to her fear of disapproval or feelings of coercion.
Ownership of assets	A woman is adequate if she has joint or sole ownership of at least one major asset.
Purchase, sale, or transfer of assets	On assets owned by a household, a women is adequate if she is involved in the decisions to buy, sell, or transfer assets.
Access to and decisions on credit	An adequate woman belongs to a household that has access to credit and when decisions on credit are made, she has input in at least one decision regarding at least one source credit.



Criteria for (in)adequacy in the indicators

Indicator	Adequacy Criteria
Control over use of income	A woman is adequate if she has some input (or perceived input) on income decisions provided that she participated in the income generating activity.
Group Member	A woman is considered adequate if she is a member of at least one group from a wide range of economic and social groups.
Speaking in Public	A woman is deemed adequate if she is comfortable speaking in public in at least one context.
Leisure Time	A woman has adequate leisure time if she does not express any level of dissatisfaction with the amount of leisure time available.
Work Burden	A woman is inadequate if she worked more than 10.5 hours in the previous 24 hours.



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Calculating 5DE

$$5DE = H_e + H_n (A_a)$$

H_e = % of women who are empowered

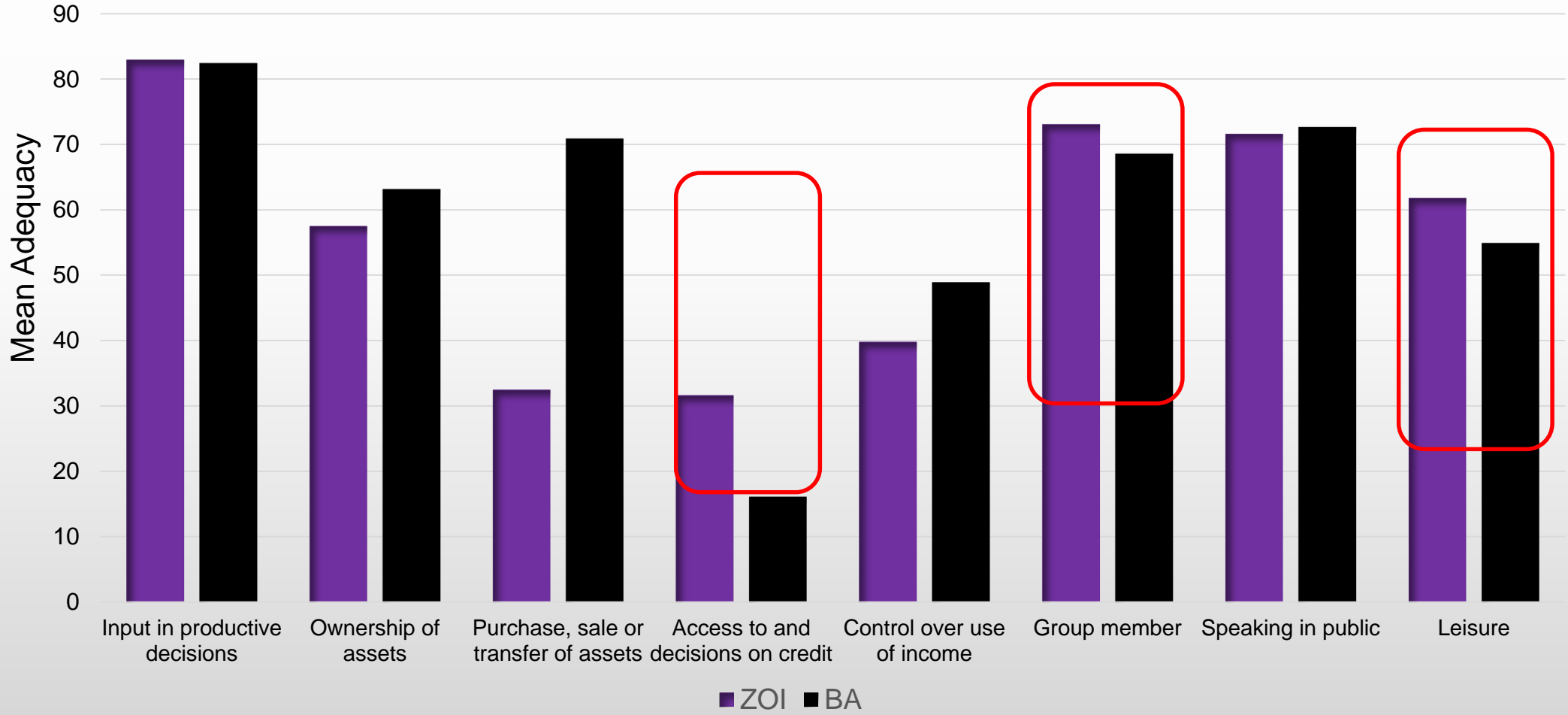
H_n = % of women who are *not* empowered ($1 - H_e$)

A_a = % of dimensions in which disempowered women have adequate achievements



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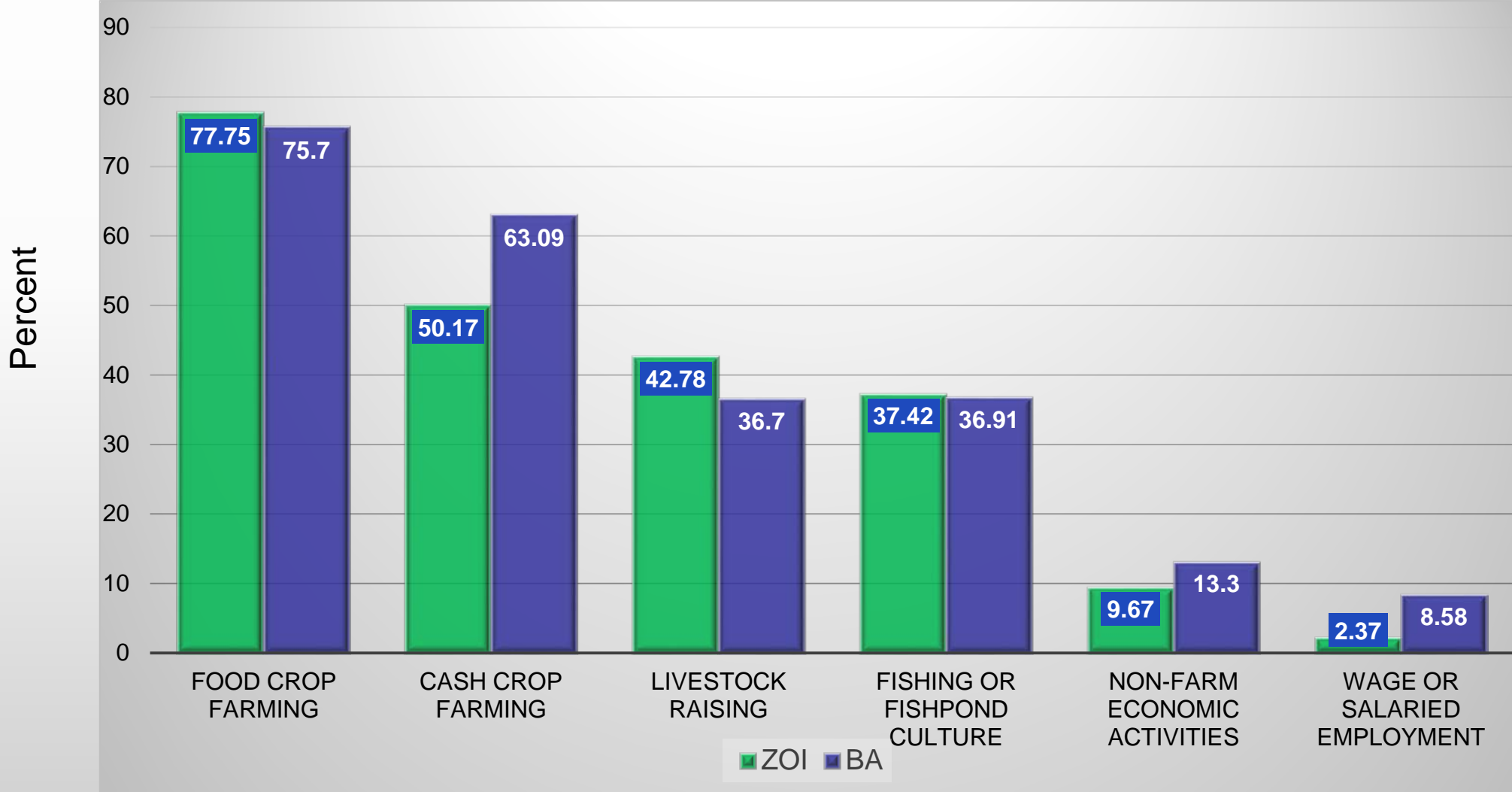
Indicator comparison between ZOI and BA





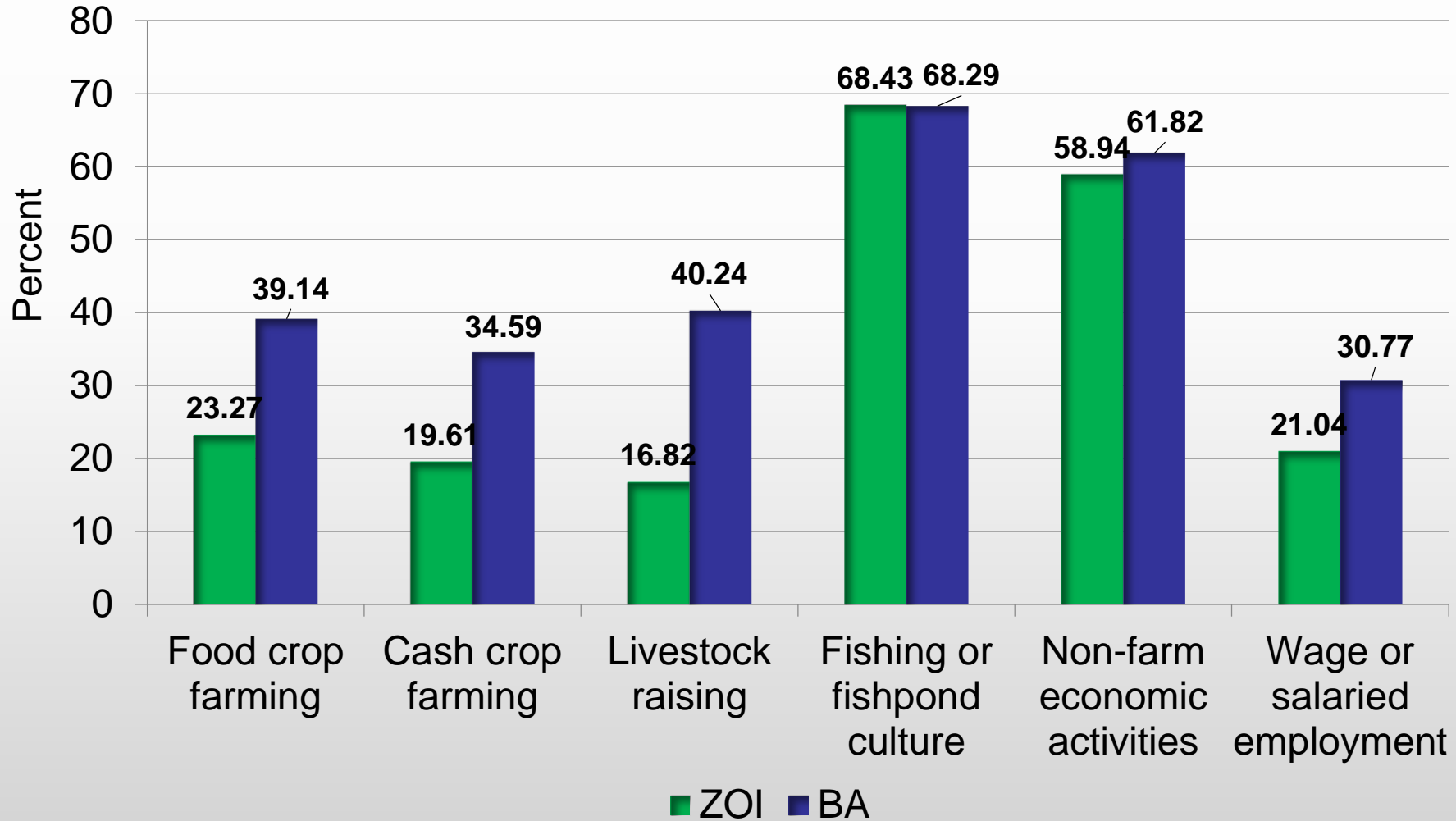
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Women Participating in an activity



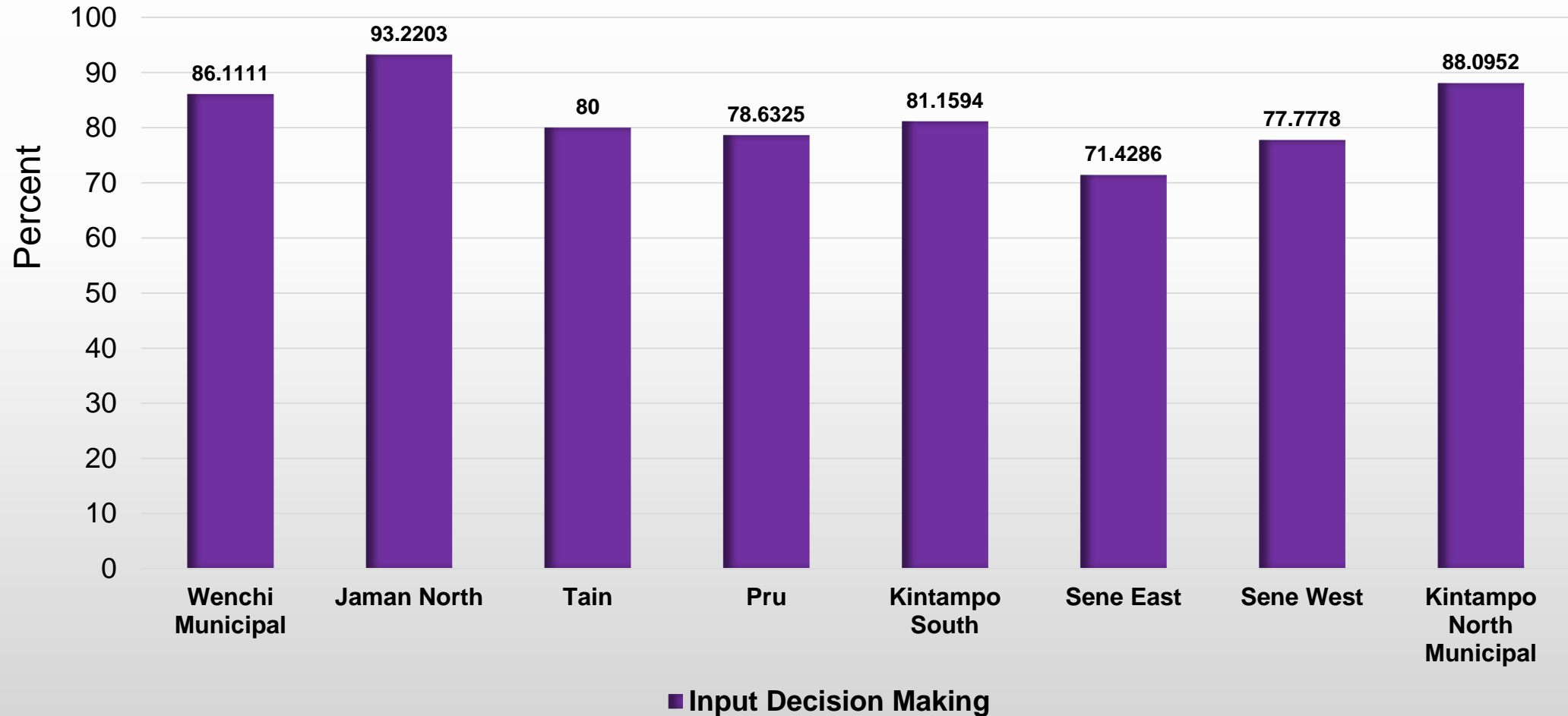


Women's input into decisions about an activity



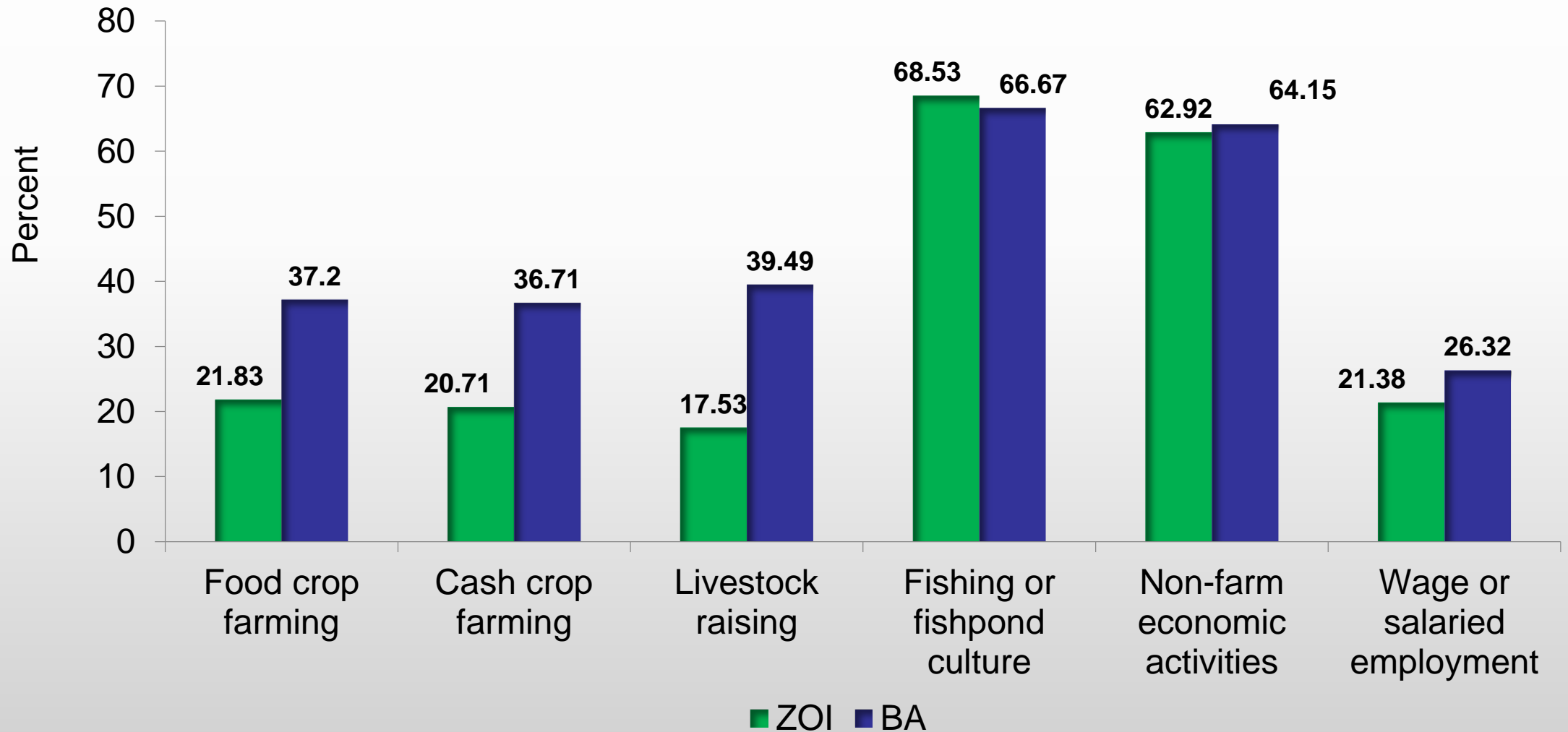


Women's input into decisions about an activity by district



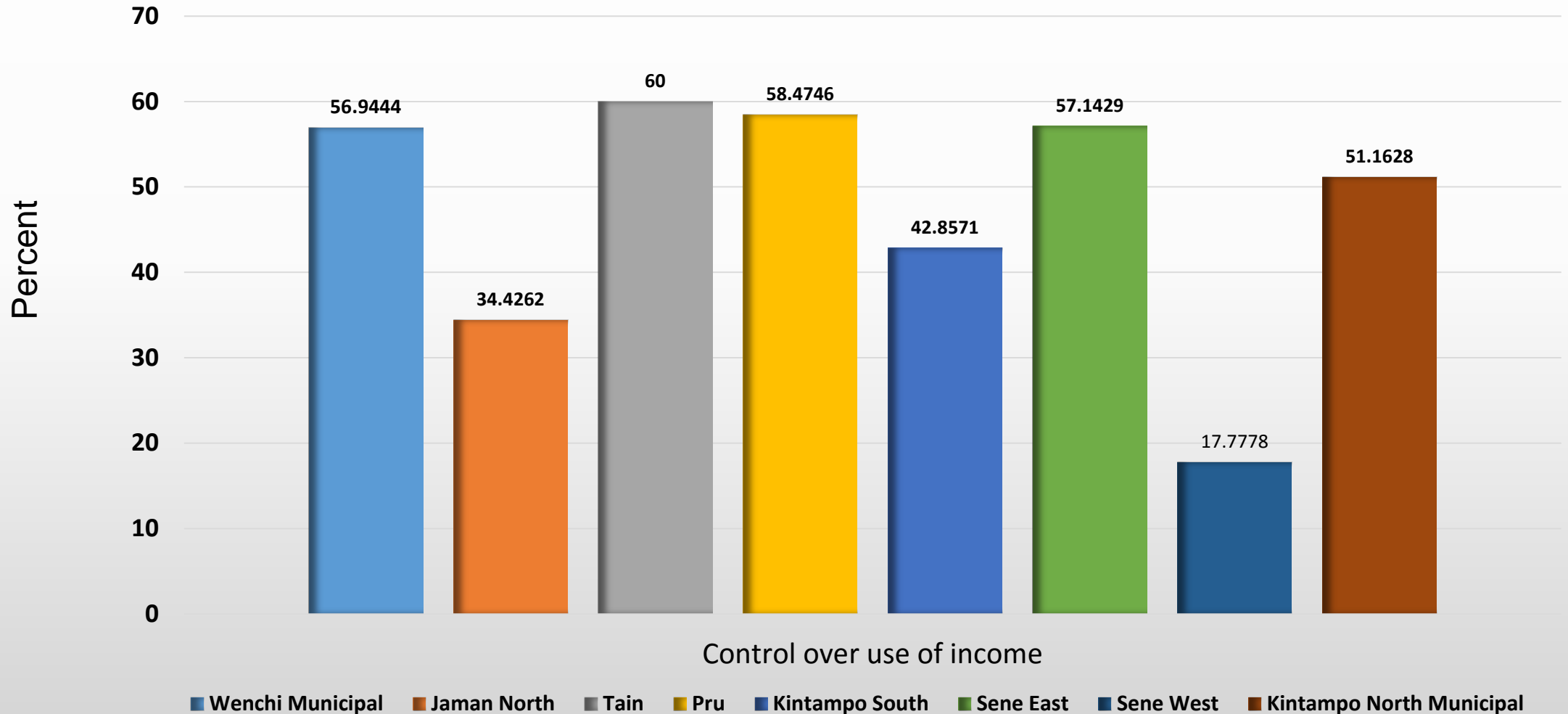


Women's input into use of income from an activity





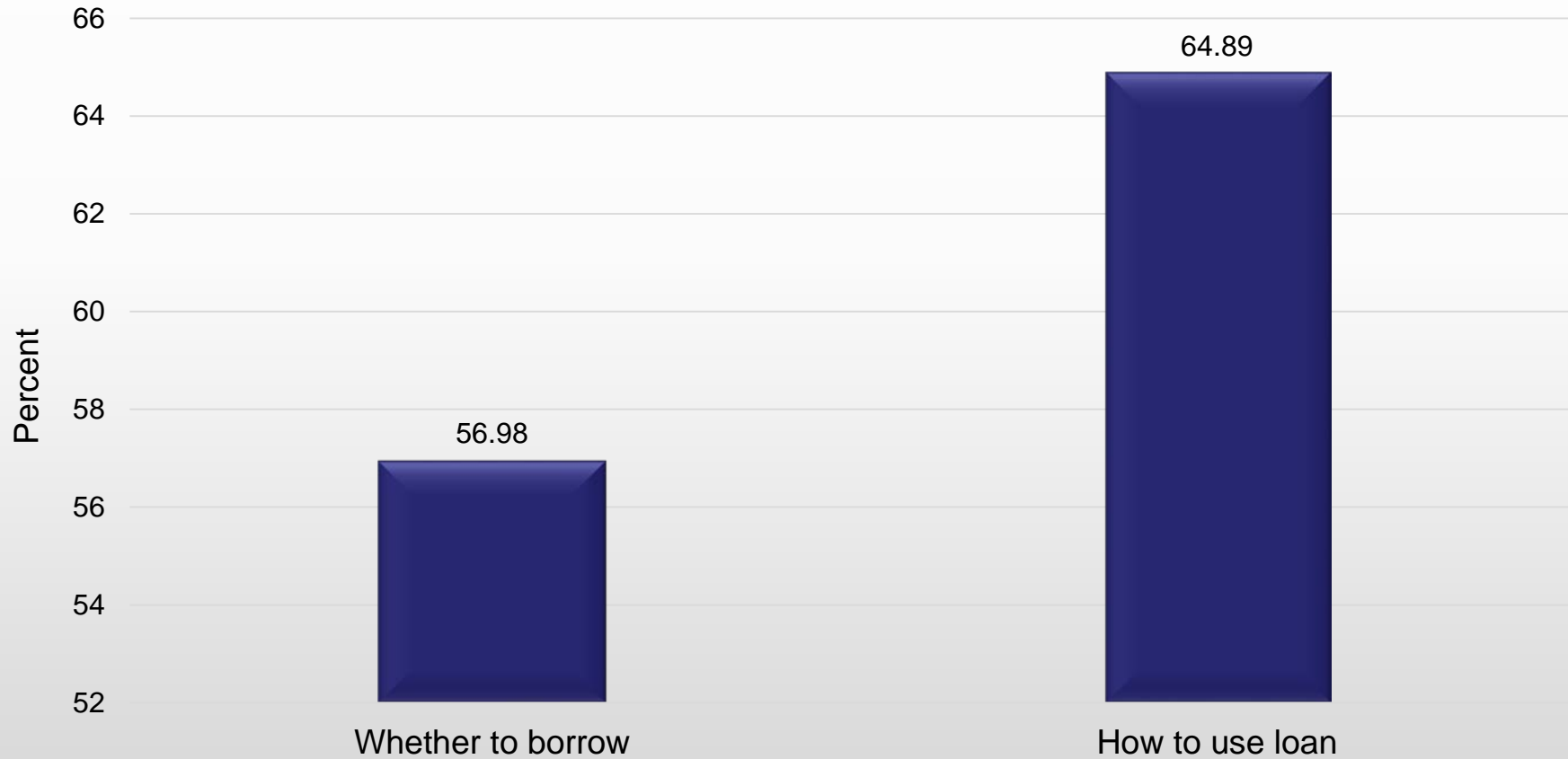
Women's input into use of income from an activity by district





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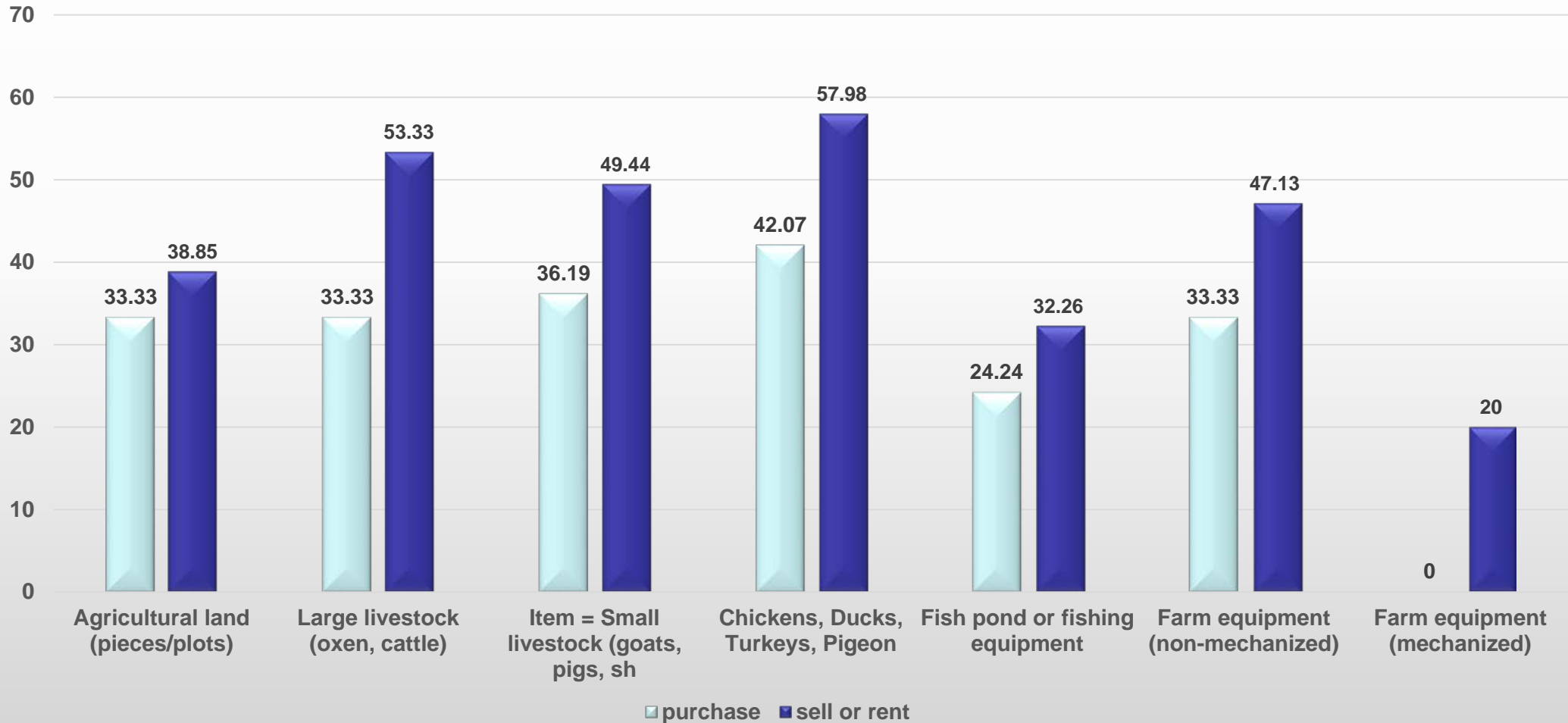
Contribution to credit decision





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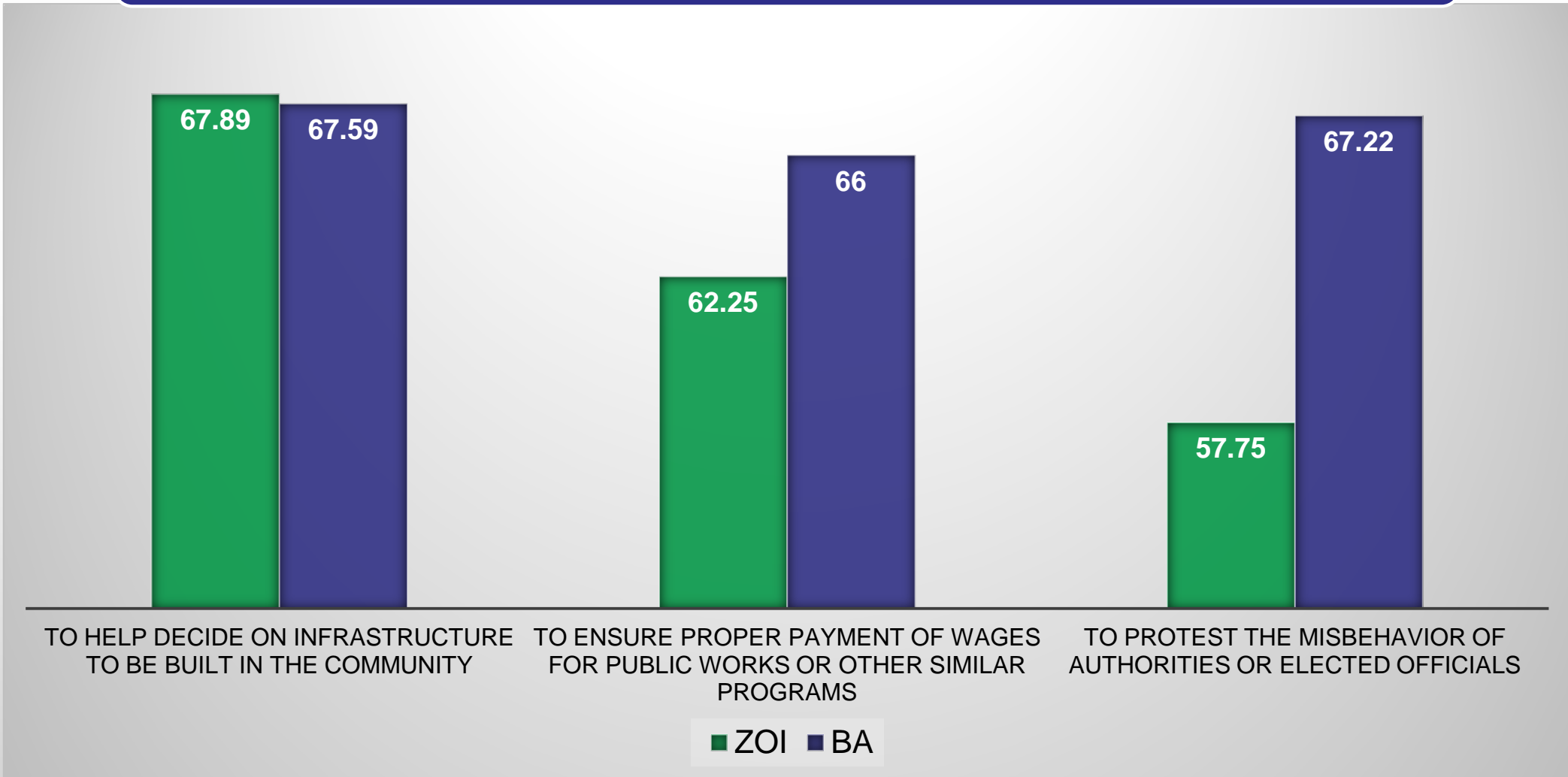
Contribution to decision on productive resources





Comfort with speaking in public among women

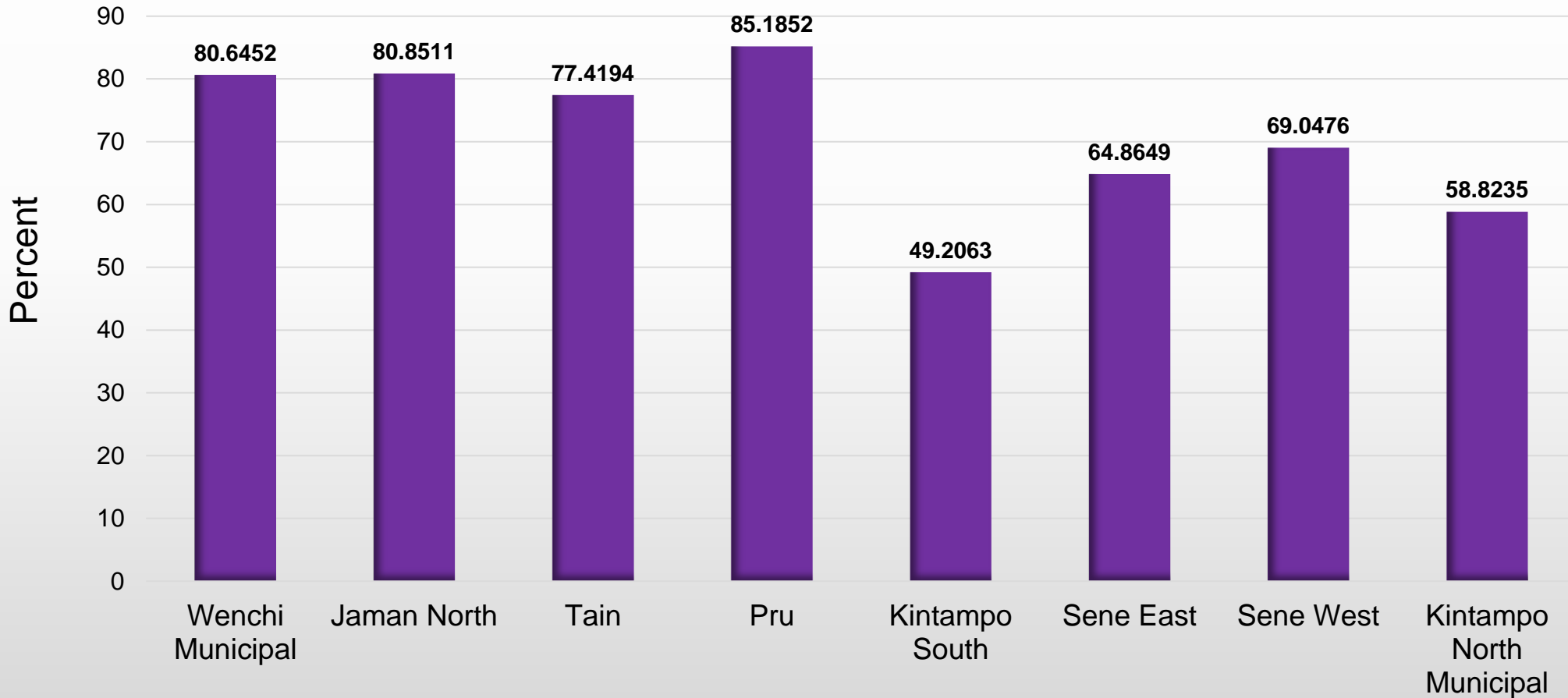
Percent





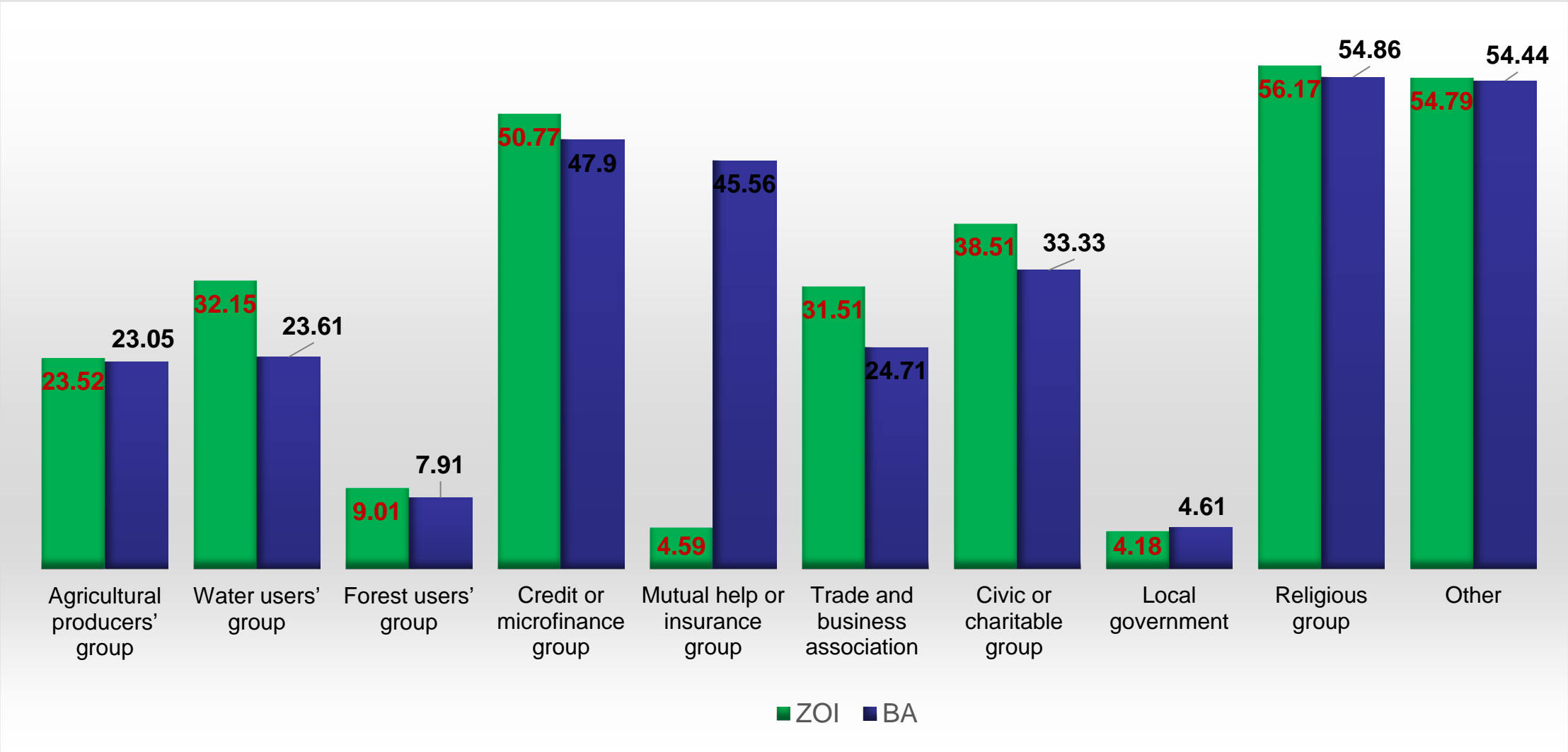
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Comfort with speaking in public among women by district





Group membership among women





Time allocation among women

Primary Activity	Mean hours devoted (ZOI)	Mean hours devoted (BA)
Sleeping and resting	6.98	6.42
Eating and drinking	1.03	0.83
Personal care	0.72	0.82
School and homework	2.47	0.56
Work as employed	2.77	3.08
Own business work	4.37	4.66
Farming/livestock/fishing	4.04	4.13
Shopping/getting services	2.08	1.86
Weaving, sewing, textile care	3.18	1.17



Time allocation among women

Primary Activity	Mean hours devoted (ZOI)	Mean hours devoted (BA)
Cooking	1.80	1.35
Domestic work (fetching food and water)	1.77	1.46
Care for children/adults/elderly	1.02	0.98
Travel and commuting	1.41	1.25
Watching TV/listening to radio/reading	1.20	1.33
Exercising	0.30	0.33
Social activities and hobbies	2.07	1.46
Religious activities	1.31	1.36
Other	2.77	3.00



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Women Anthropometrics



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Anthropometry

- Body Mass Index is a useful indicator for assessing current and potential health challenges
- The focus is on women of reproductive age – i.e., 15-49 years
- Children's anthropometric measures encompass underweight, stunting and wasting
 - Focus on children under 5 years



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Women's anthropometry

Objective:

The percentage of non-pregnant women of reproductive age (15-49 years) who are underweight, as defined by a body mass index (BMI) < 18.5.

Measured by:

$$\text{Indicator} = \frac{\# \text{ of non-pregnant women 15-49 yrs with a BMI} < 18.5}{\# \text{ of non-pregnant women 15-49 yrs in the sample}}$$



BMI Classification

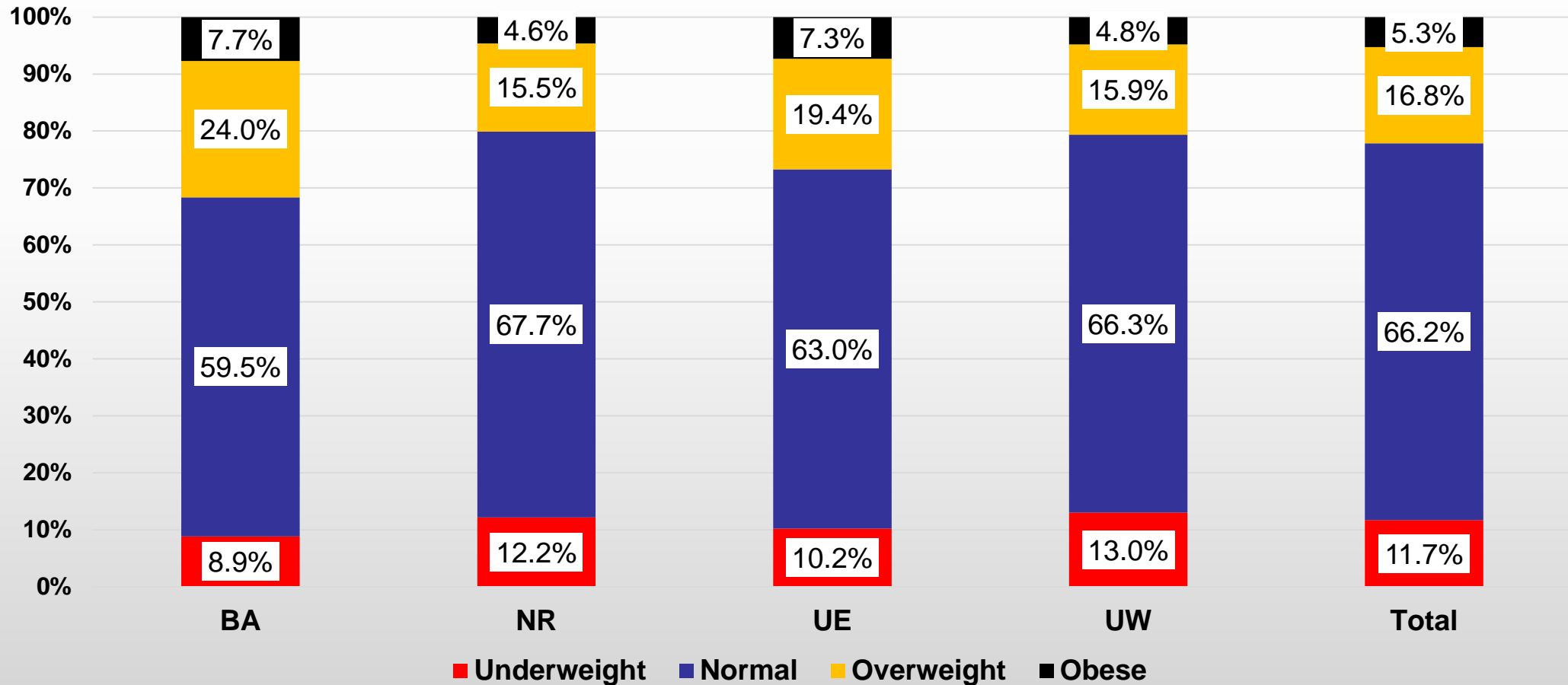
The International Classification of adult underweight, overweight and obesity according to BMI

Classification	BMI(kg/m ²) Cut-off Points
Underweight	< 18.50
Normal range	18.50 - 24.99
Overweight	25.00 - 29.99
Obese	≥ 30.00

Source: Adapted from WHO, 1995, WHO, 2000 and WHO 2004.

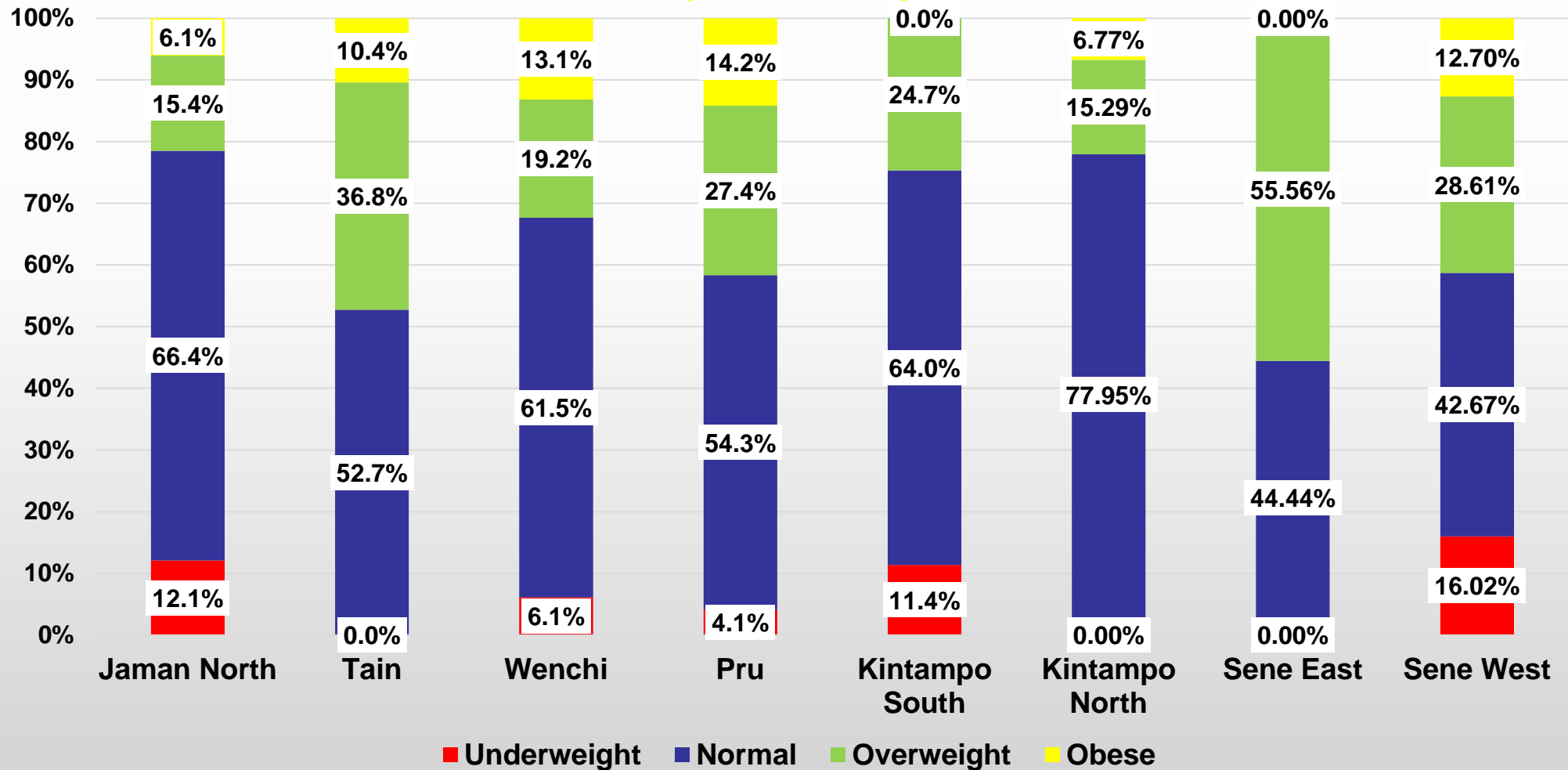


Distribution of Women by Anthropometry Indicators (Region)



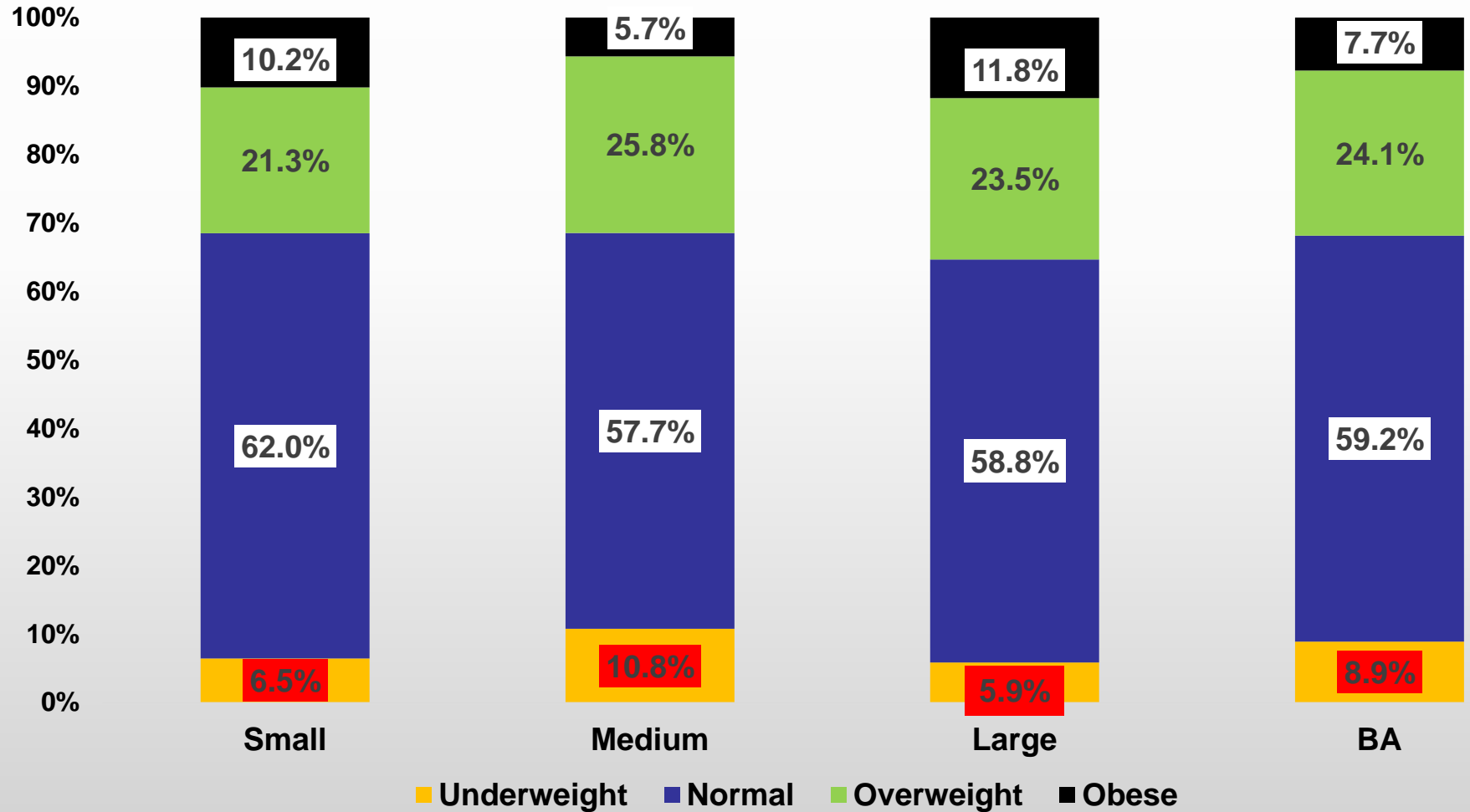


Distribution of Women by Anthropometry Indicators (District)



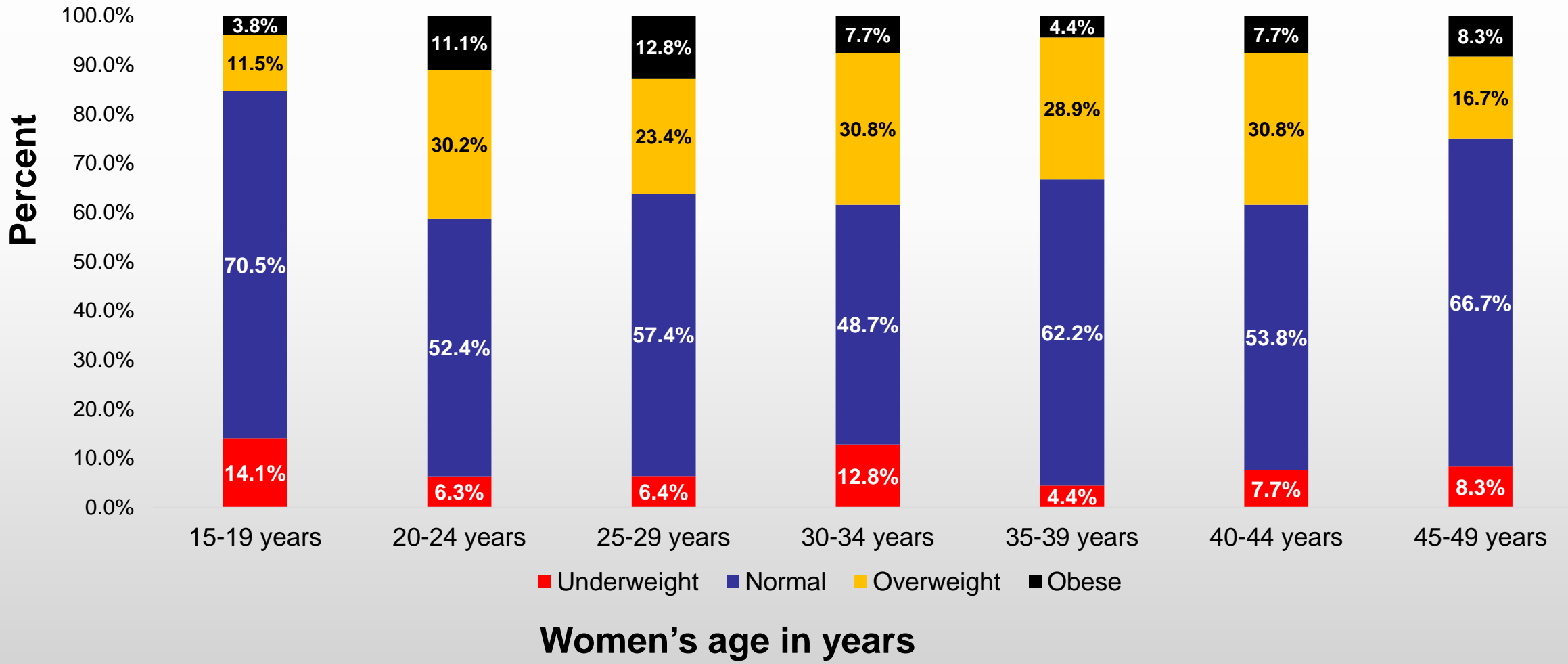


Distribution of Women by Anthropometry Indicators Household Size



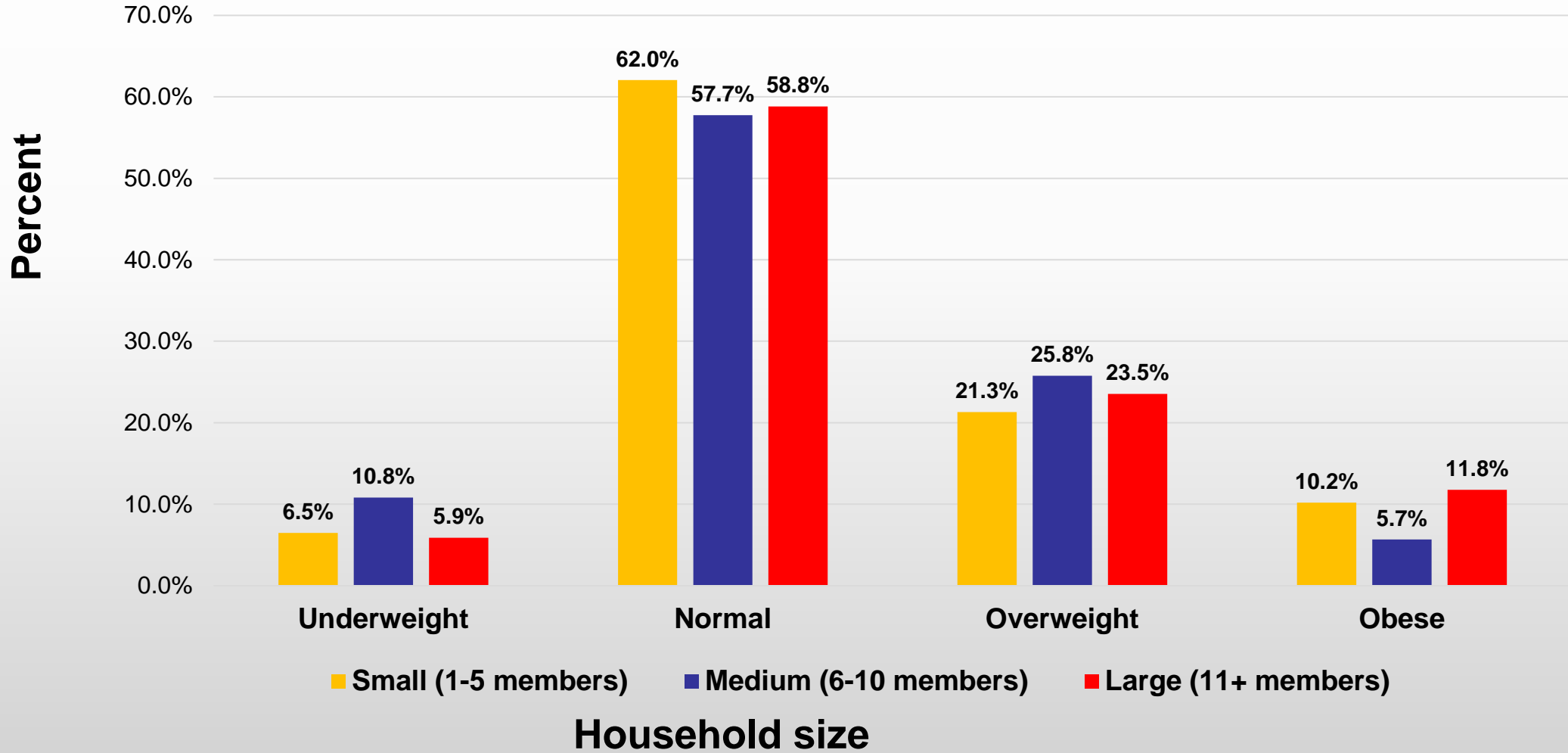


Women's Anthropometry by age



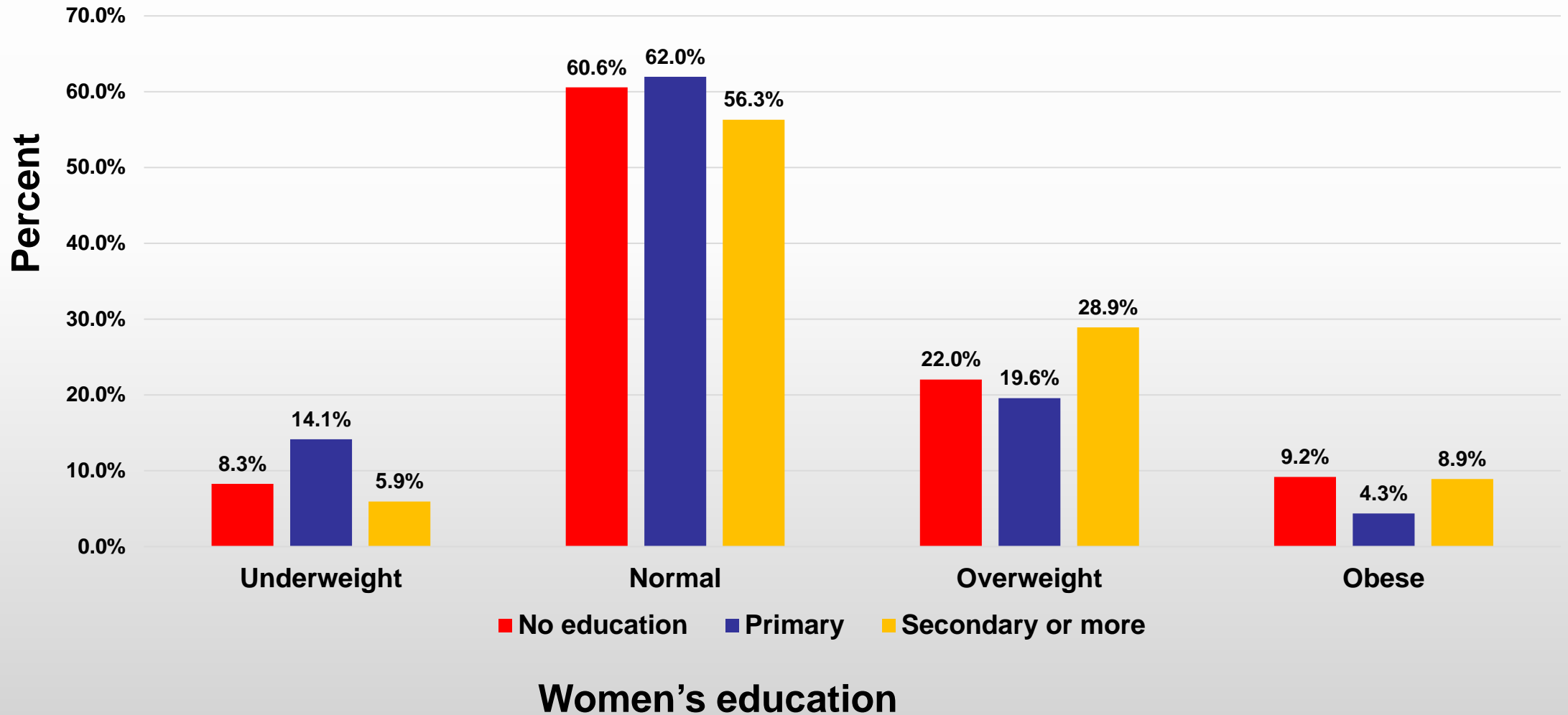


Women's Anthropometry by Household size



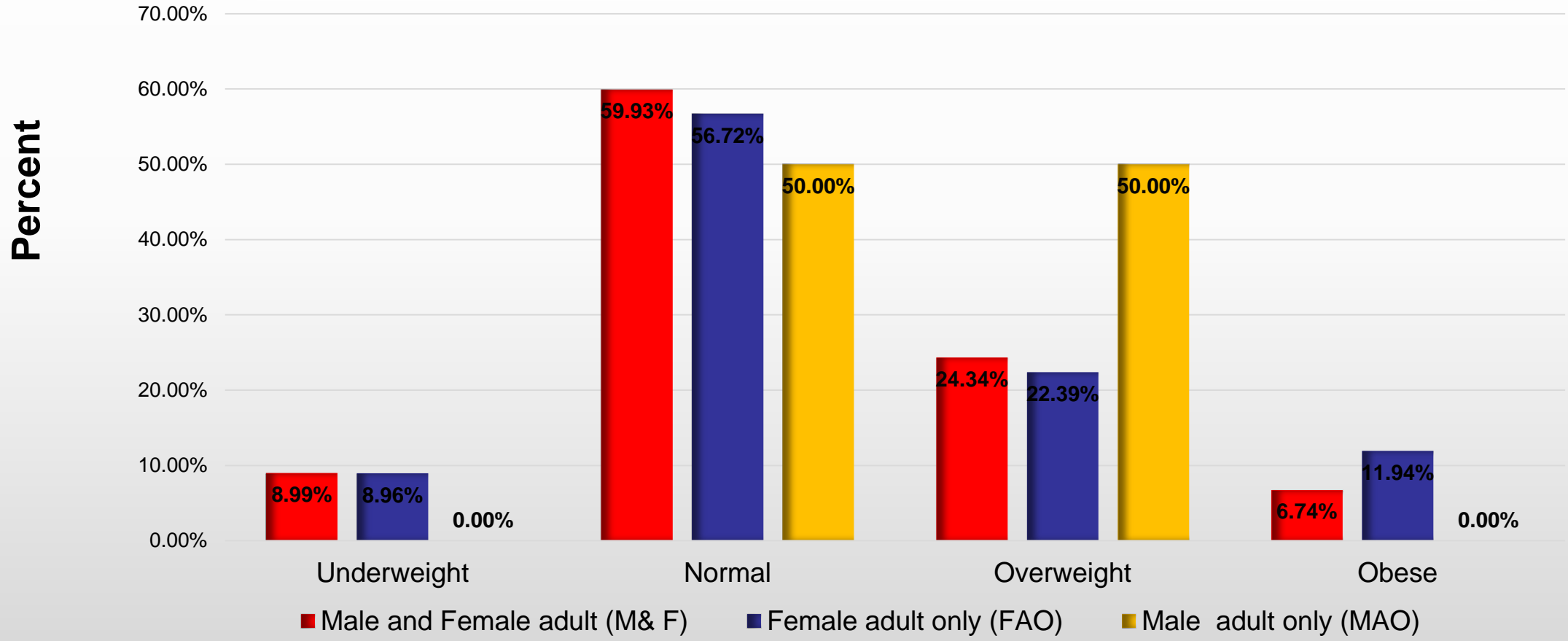


Women's Anthropometry by Education





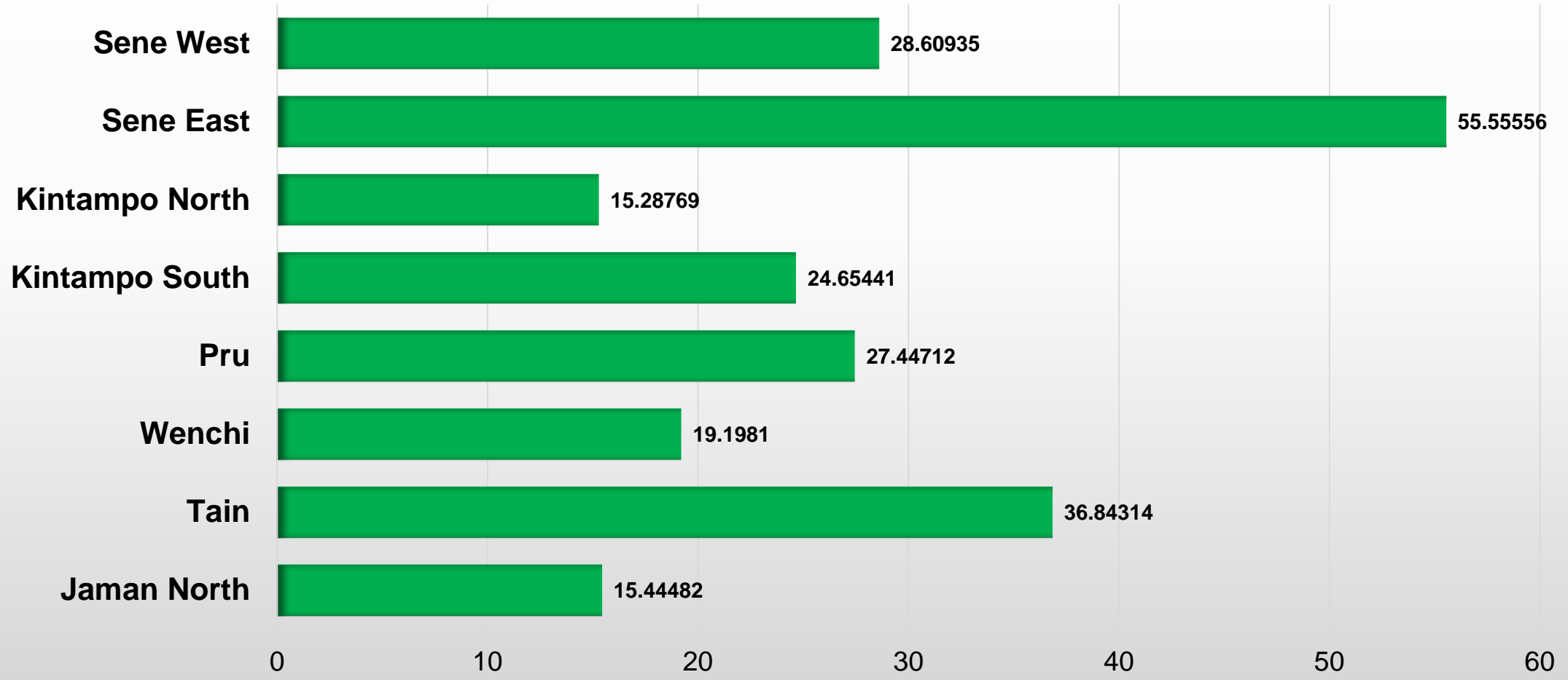
Women's Anthropometry by gendered household type



Gendered household type



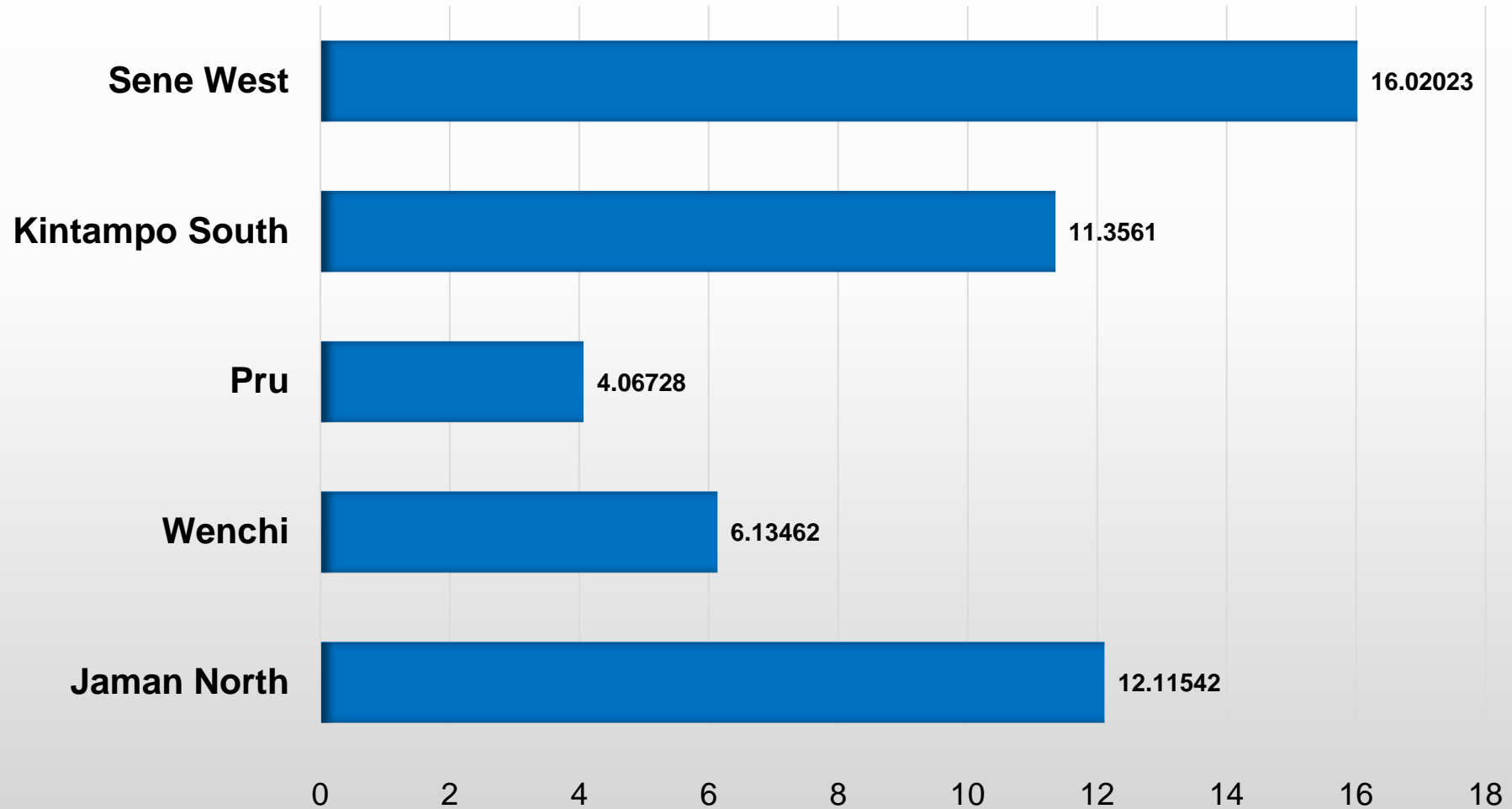
Women Overweight by districts





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Women underweight by districts





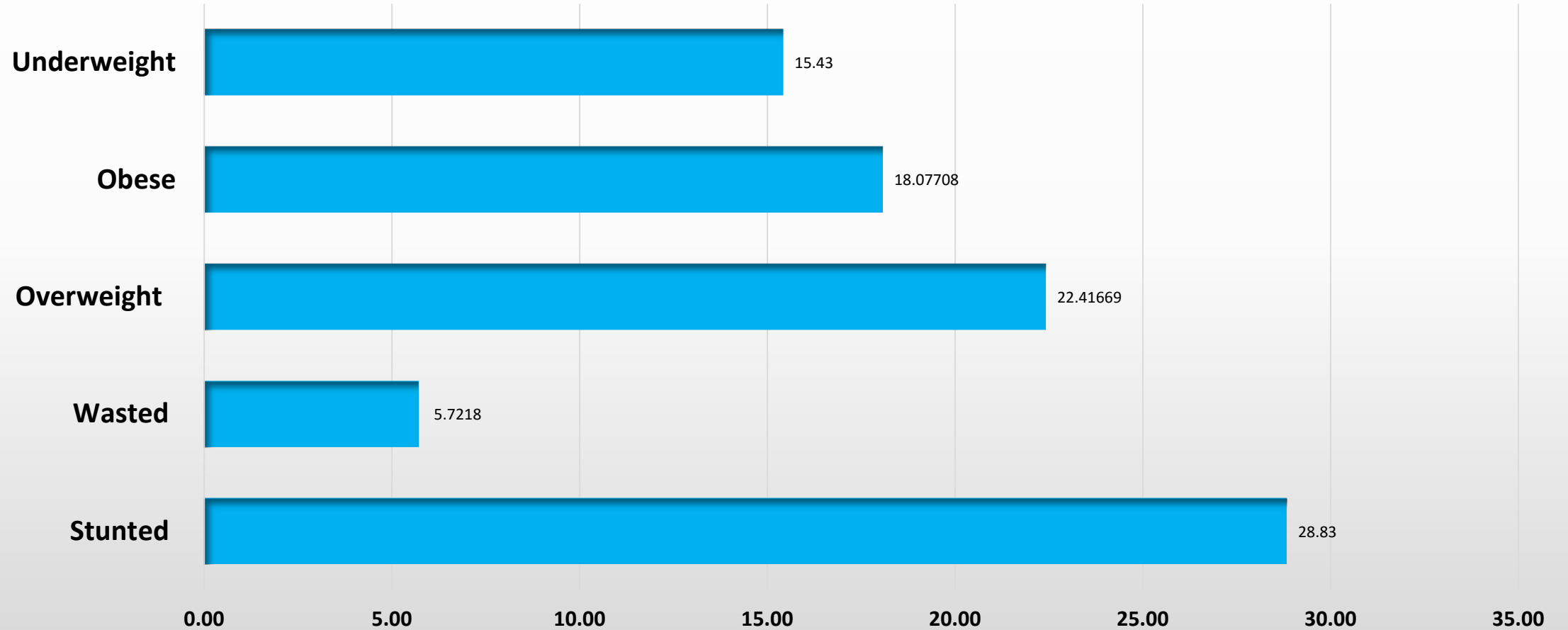
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Children Anthropometrics



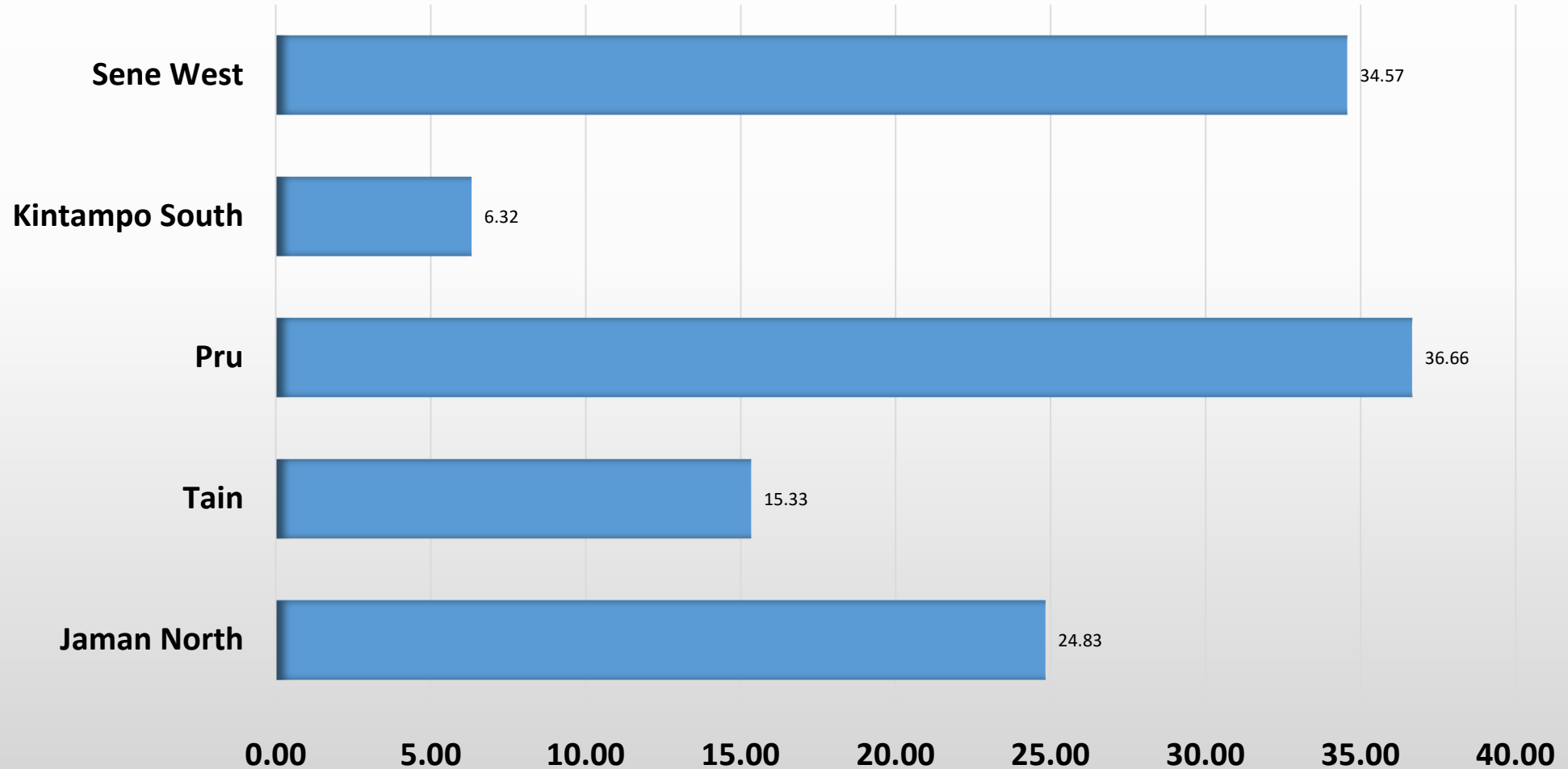
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Children Anthropometry



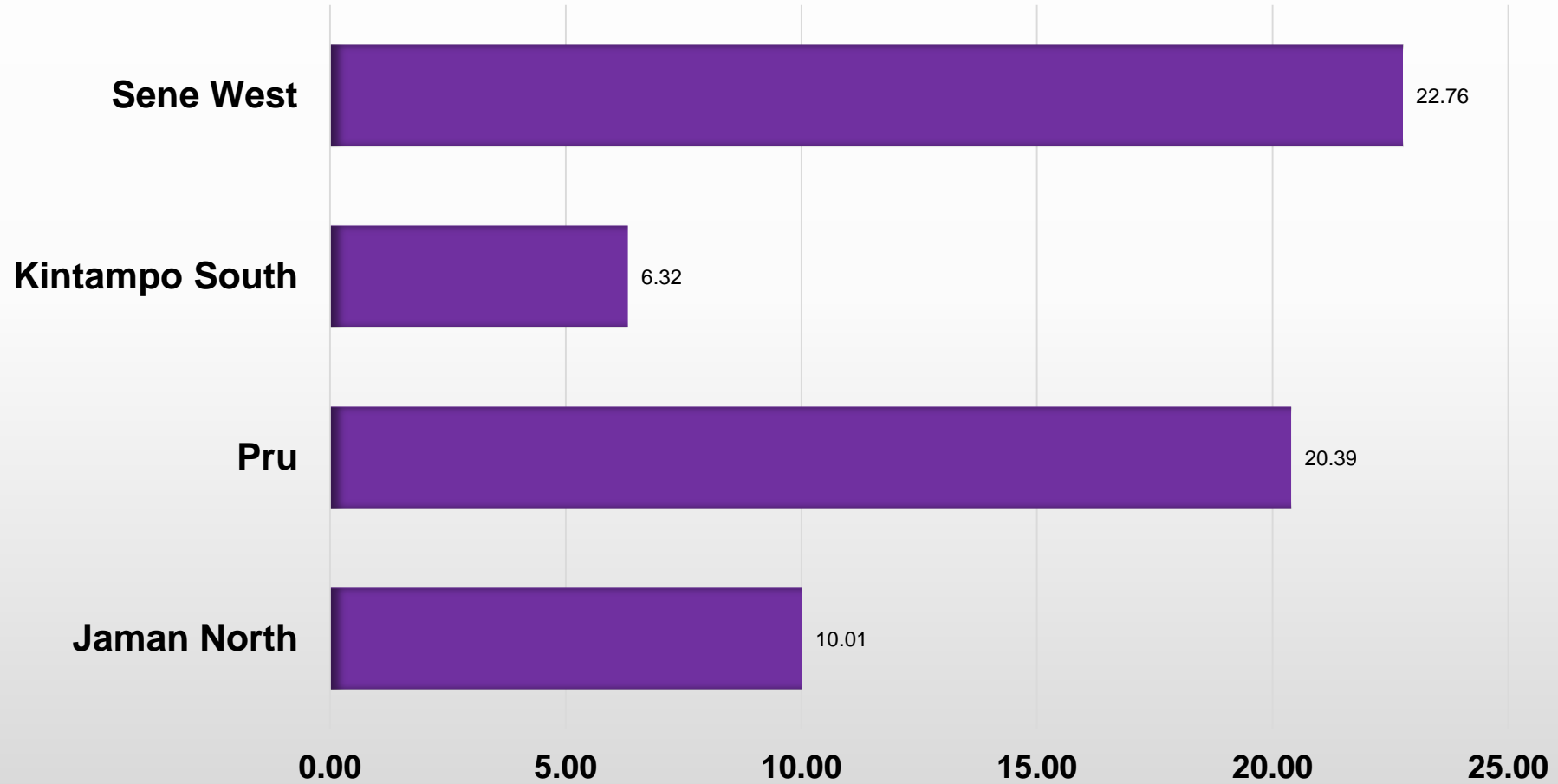


Distribution of stunted children by district





Distribution of underweight children by district





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Summary



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Take Away

- Progress in women participation in decisions about activities and use of income from such activities
- Access to and decisions on credit is low relative to ZOI average
- Have less leisure time relative to ZOI average
- Prevalence of overweight and underweight women predominant amongst
 - Medium size households
 - Women between 15-24 years



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Take Away

- More educated women exhibits higher prevalence of overweight and obesity

Discussion Questions

- How might these results be used to target interventions and or influence policies aimed at increasing the WEAI, women's health and child nutrition?



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Thank You

Questions, comments, ideas