The Food Environment Perceived Through A Lens: A Photovoice Study in Southern and Eastern Zambia

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them about the importance of consuming

clean water."

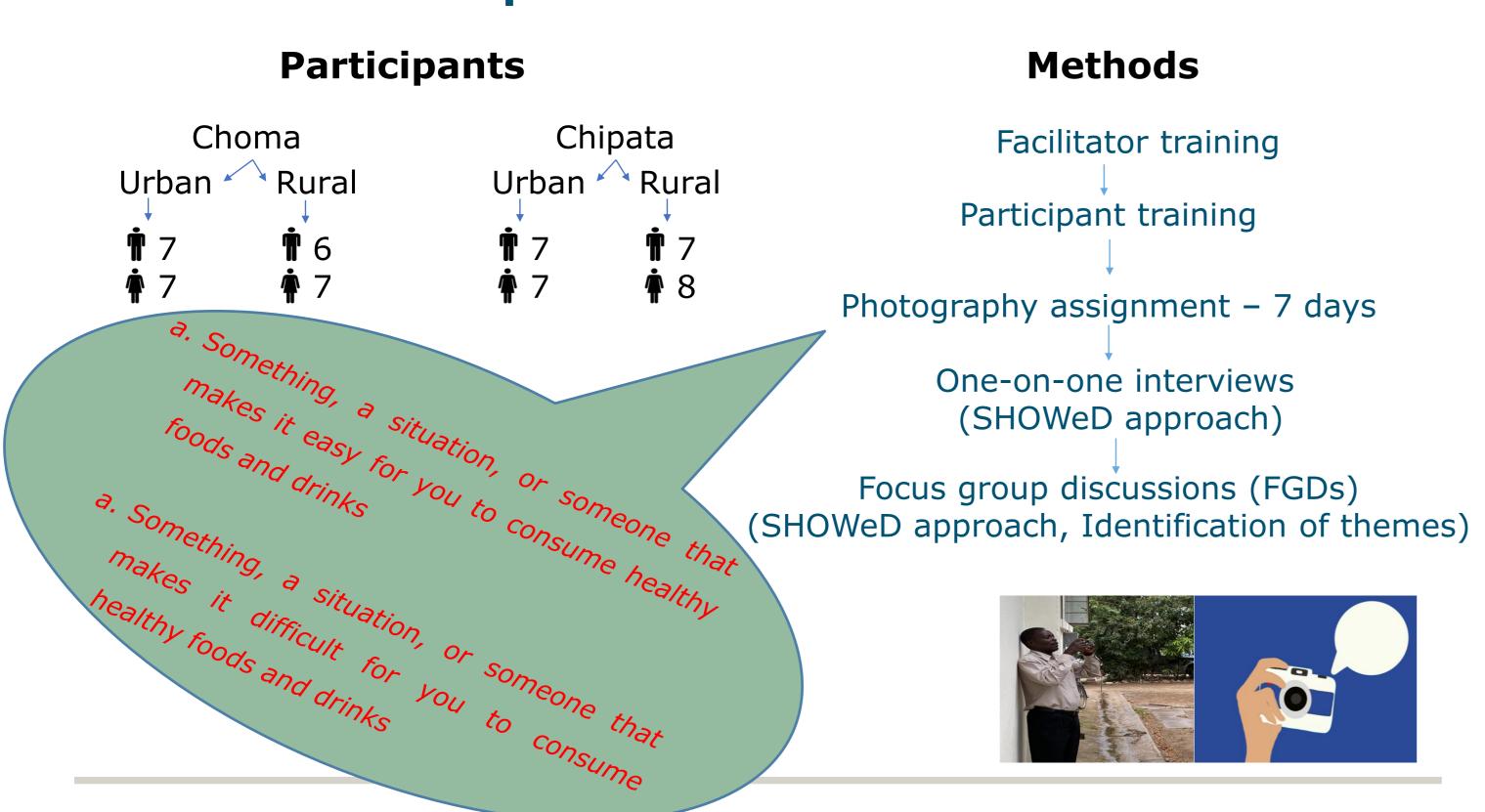
Background

- \Box The food environment plays an important role in shaping the diets of individuals (1,2,3).
- ☐ Consumption of healthy diets that include *mabisi*, a Zambian traditional fermented milk is encouraged
- □ *Mabisi* possesses probiotics and their metabolites the short-chain fatty acids (SCFAs) which may prevent NCDs (2).
- ☐ However, *mabisi* consumption in Zambia is not evenly distributed due to socio-cultural drivers and preferences

Objective

• To assess the food environment surrounding diets that (may) include *mabisi* in the urban and rural areas of two culturally different districts, namely, Choma and Chipata in Southern and Eastern Provinces, respectively.

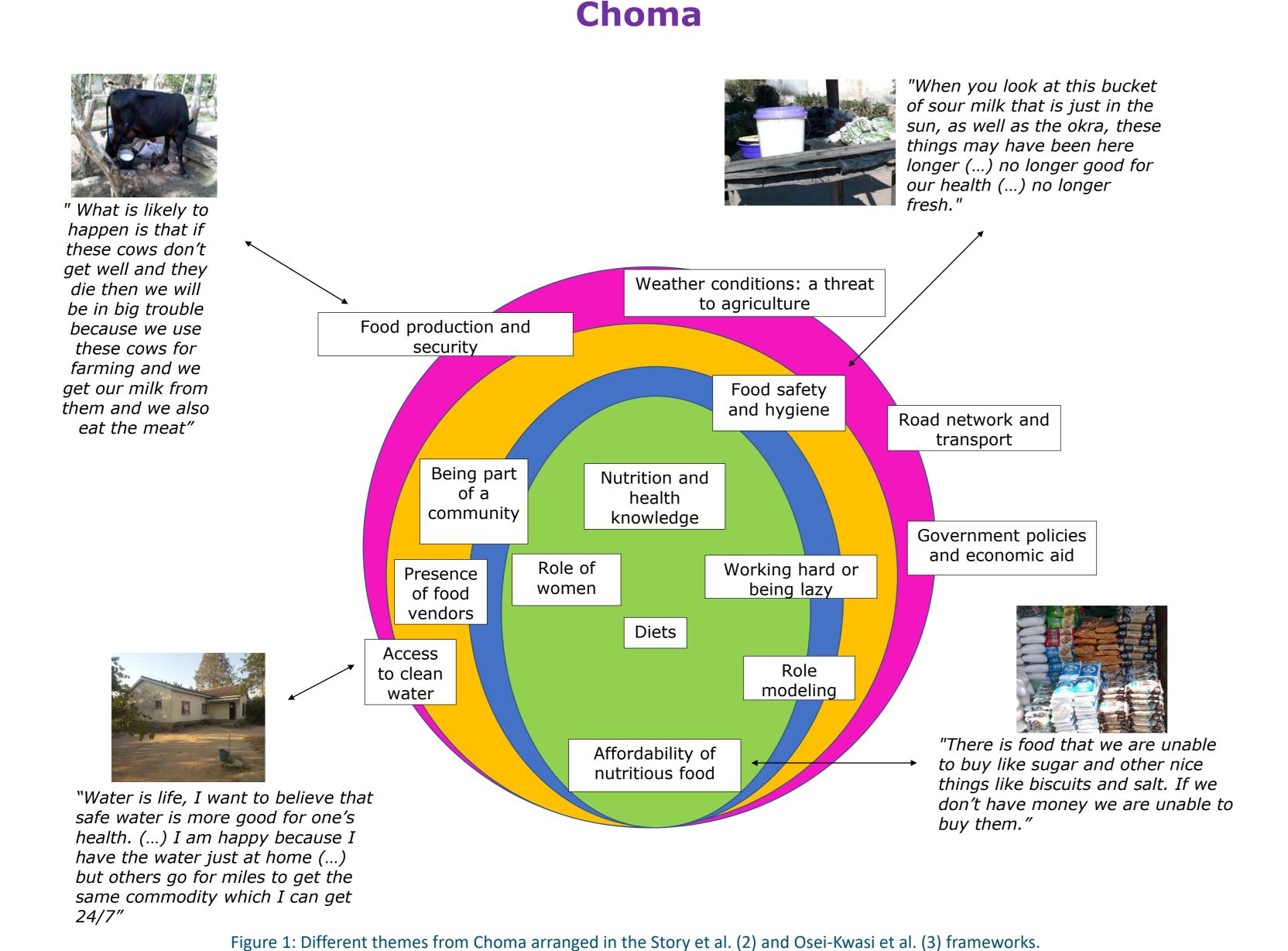
Methods & Participants



Results

Macro level

Physical level



Social level

Individual level

Chipata ' a maize plant with army worms which destroy the plants thereby killing any hopes to harvest maize When the maize grows, we harvest it and grind it for mealie meal to cook nsima.....If the maize is infested, then we won't get a harvest from it" " I was attracted by the Threats to agriculture and cleanliness of the food security equipment being used to Food production and prepare the fish, the freshness of the fish itself security and the neatness of the caterer - the whole scenario Food safety looked healthy.." and hygiene Poor road Being part Nutrition and network health of a community knowledae Environmental Role of Working hard or Presence sanitation and women being lazy of food hygiene vendors Diets Role Education modeling programs Government policies and economic aid "I want people to see that they shouldn't Affordability of drink dirty water....people do not know the nutritious food " This sewerage is overflowing importance of drinking clean water.... We unattended in a busy township can install a tap, clean the well and educate

Figure 2: Different themes from Chipata arranged in the Story et al. (2) and Osei-Kwasi et al. (3) frameworks.

Key: Macro level Social level

Physical level

"Something, a situation or someone that makes it easy for you to consume healthy foods and drinks"

Chipata

Urban

Choma



Choma



and is most likely flowing into a

stream where some people may

be drawing water for domestic

Rural

"Something, a situation or someone that makes it difficult for you to consume healthy foods and drinks"







Conclusions

- Similar food environments exist in both districts
- Mabisi only identified in the Choma food environment
- Mabisi only identified in the Choma rood environment
 Agriculture plays an important role in shaping diets
- *Mabisi* consumption may be increased by availing it in the Chipata food environment coupled with education
- Food and environmental safety and hygiene concerns must be addressed

References

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