

Fill the Nutrient Gap



Nutrition situation analysis framework and decision tool

‘Fill the Nutrient Gap’ Tanzania: Findings



Tanzania Food and Nutrition Centre
World Food Programme



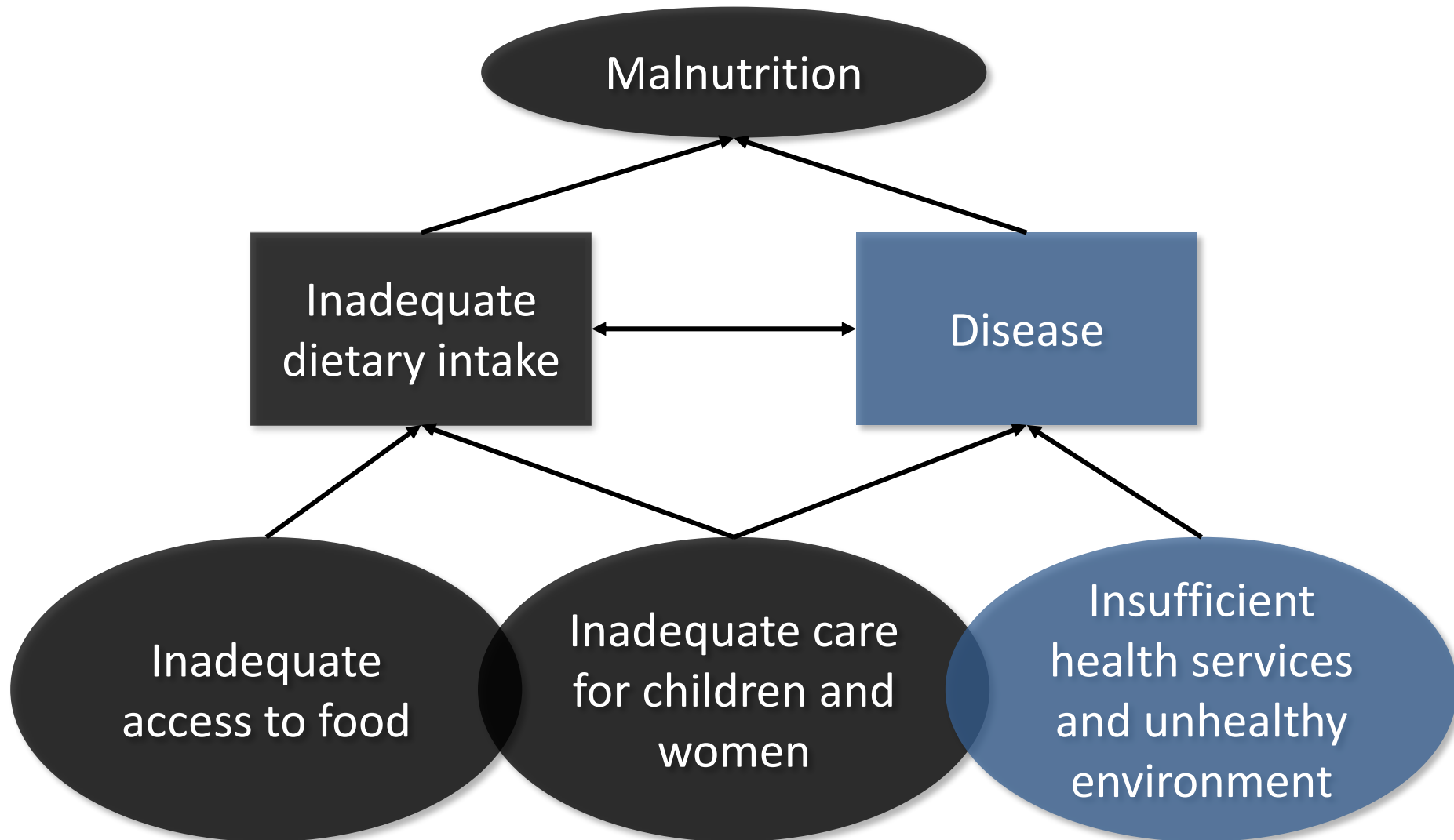


**SUSTAINABLE
DEVELOPMENT
GOALS**

**2 NO
HUNGER**



Meeting nutrient requirements is a prerequisite for preventing malnutrition – 1,000 day window is critical





Good nutrition
is about consuming 40 nutrients
in different amounts
from a wide variety of foods
together with
other key interventions.

Fill the Nutrient Gap



Nutrition situation analysis framework and decision tool

- Needs vary by age, sex and biological state.
- Cost and affordability of nutritious diets vary by area.



Recognising the need for shared understanding of issues, context and solutions:

Fill the Nutrient Gap

aims to identify the barriers to adequate nutrient intake

(availability of and access to nutritious foods):

- Specific target groups in a specific context.
- Multi-stakeholder input and involvement.



Primary Goals

- Strengthen nutrition situation analysis linked to decision-making.
- Establish consensus on cost-effective policy and programmatic strategies to improve nutrition of key target groups adapted to the context.

UC DAVIS
UNIVERSITY OF CALIFORNIA



**MAHIDOL
UNIVERSITY**
Wisdom of the Land

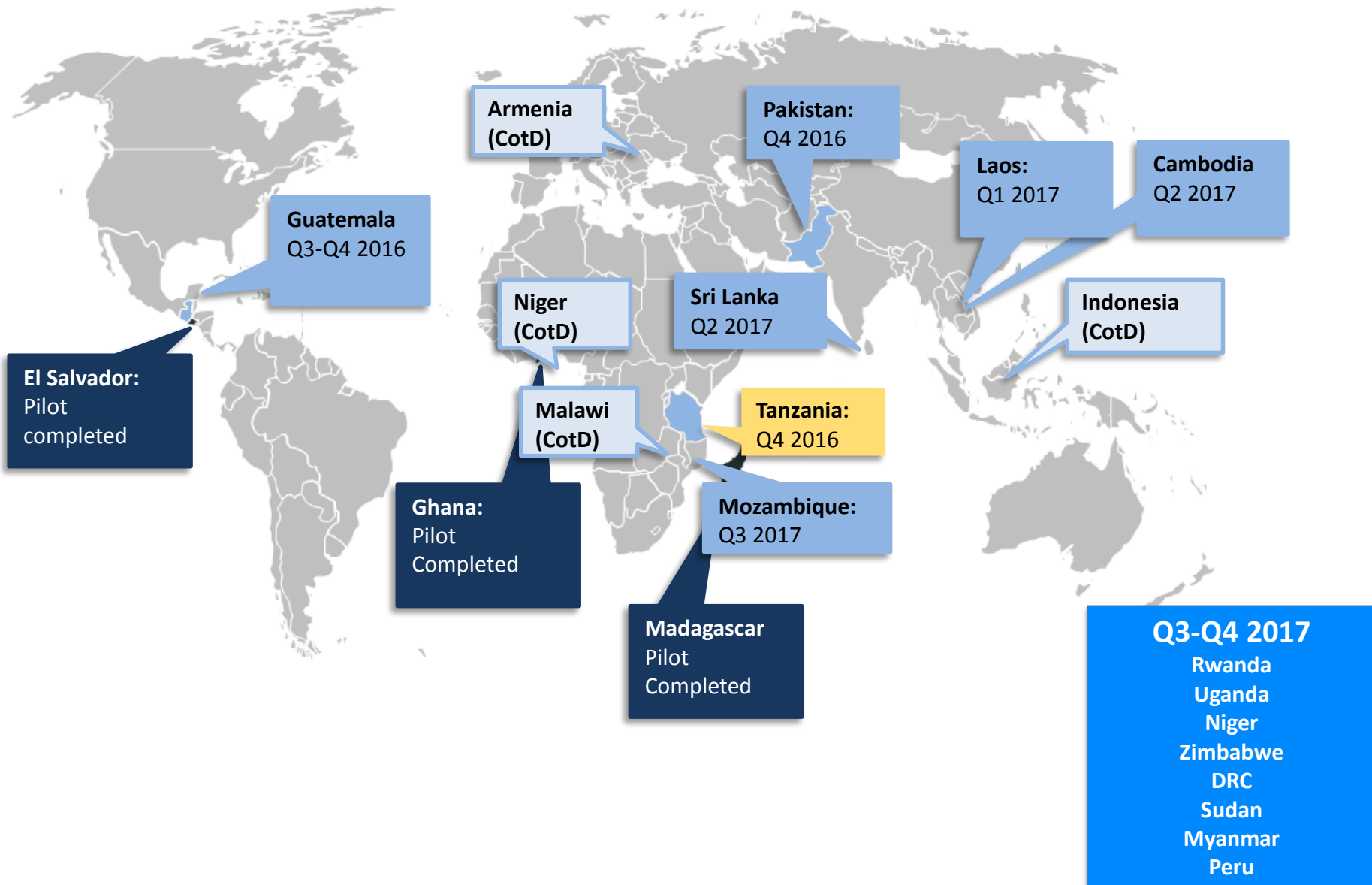


epicentre
ÉPIDÉMIOLOGIE • EPIDEMIOLOGY

Fill the Nutrient Gap



Nutrition situation analysis framework and decision tool





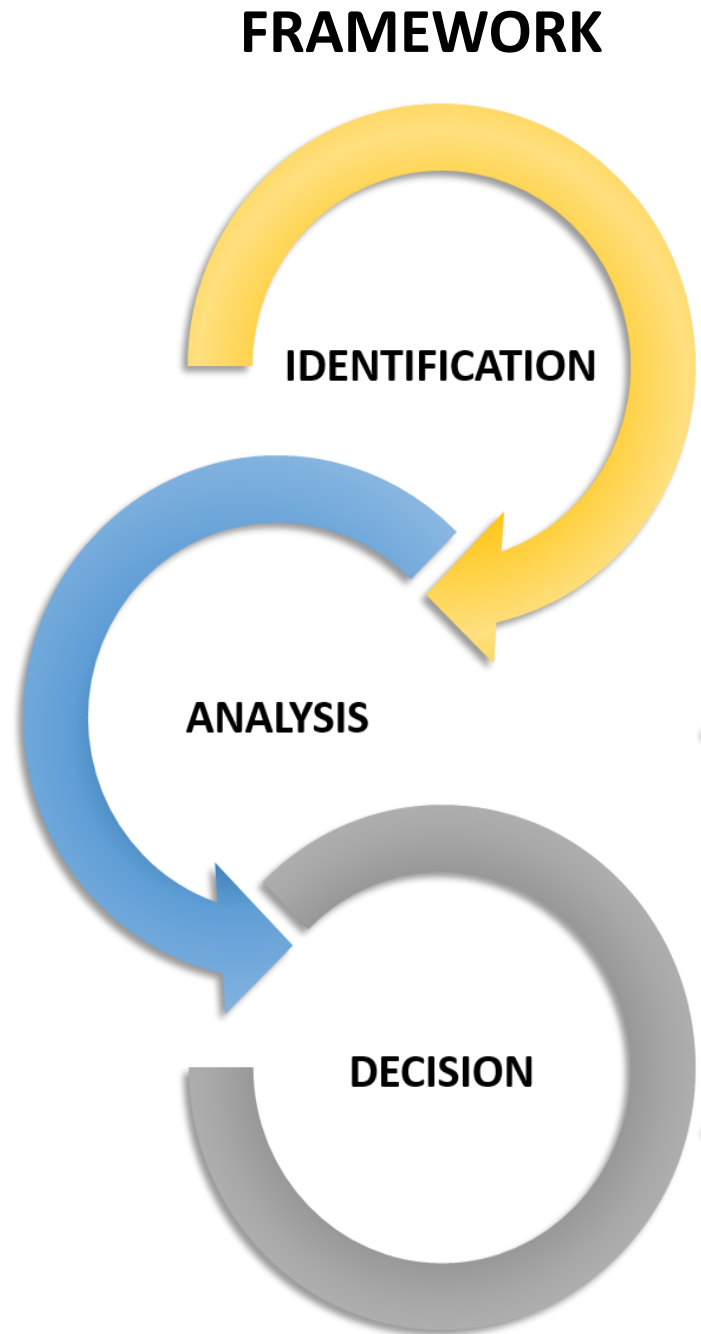
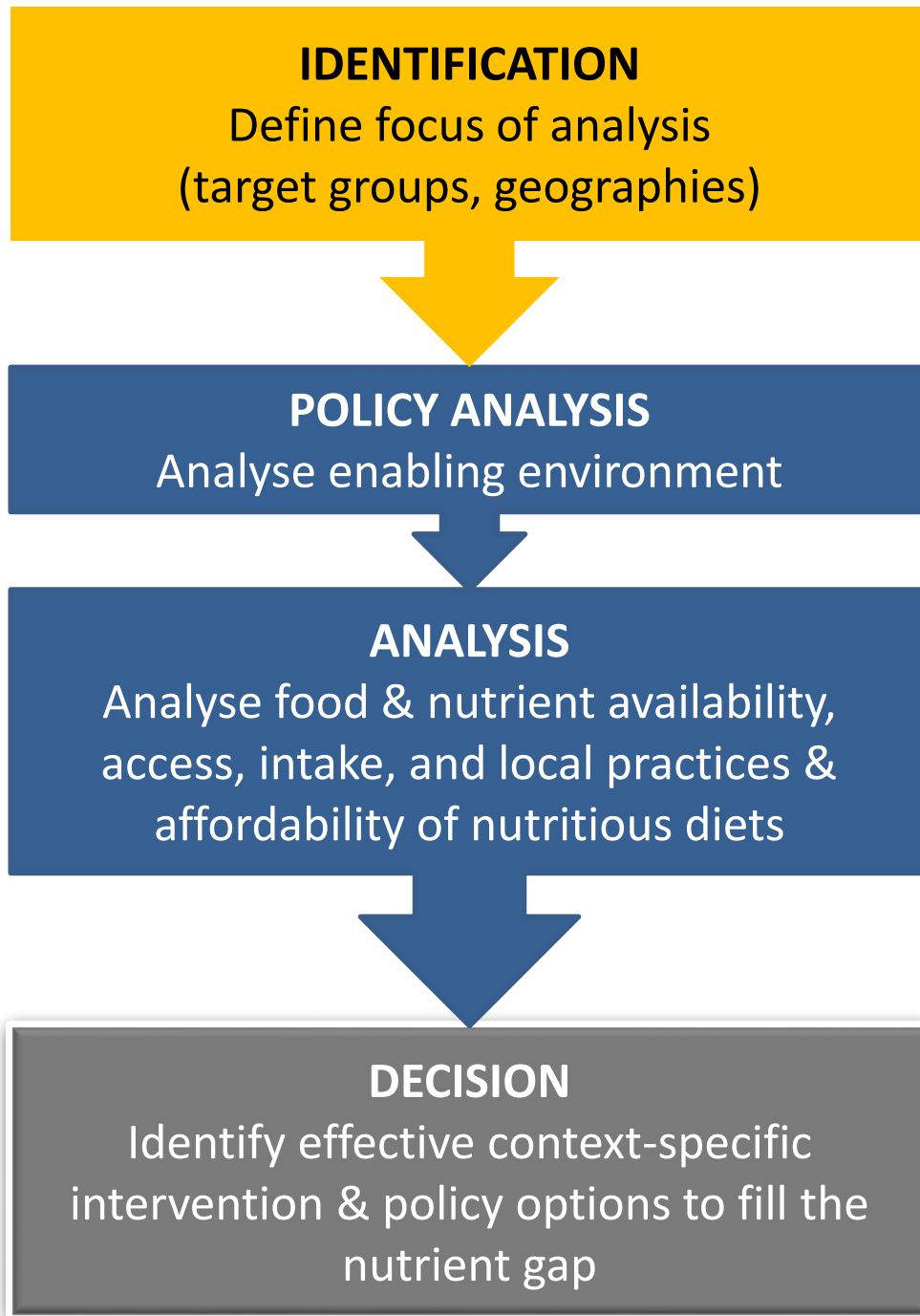
2 Components of the Analysis

Reviewing
secondary data
and sources of
information

Linear programming
on the
Cost of the Diet

Life-cycle approach with a focus on:

- Children <2 years
- Pregnant and lactating women
- Adolescent girls.



The FNG process in Tanzania

Lead
Organisation



Stakeholder Engagement
Process



Technical
Support

1: DEFINE FOCUS

Multi-stakeholder
inception meeting

Consensus on
key target groups
and level of analysis

2 & 3: ANALYSIS

Secondary data
compilation & analysis

Cost of the Diet
analysis
modelling

4: RECOMMENDATIONS

National
multi-stakeholder
workshop to present
key findings

Joint identification
of potential
strategies to fill
nutrient gaps across
multiple sectors

October 2016

September 2017

Multiple stakeholders engaged throughout the process

Tanzania
Team

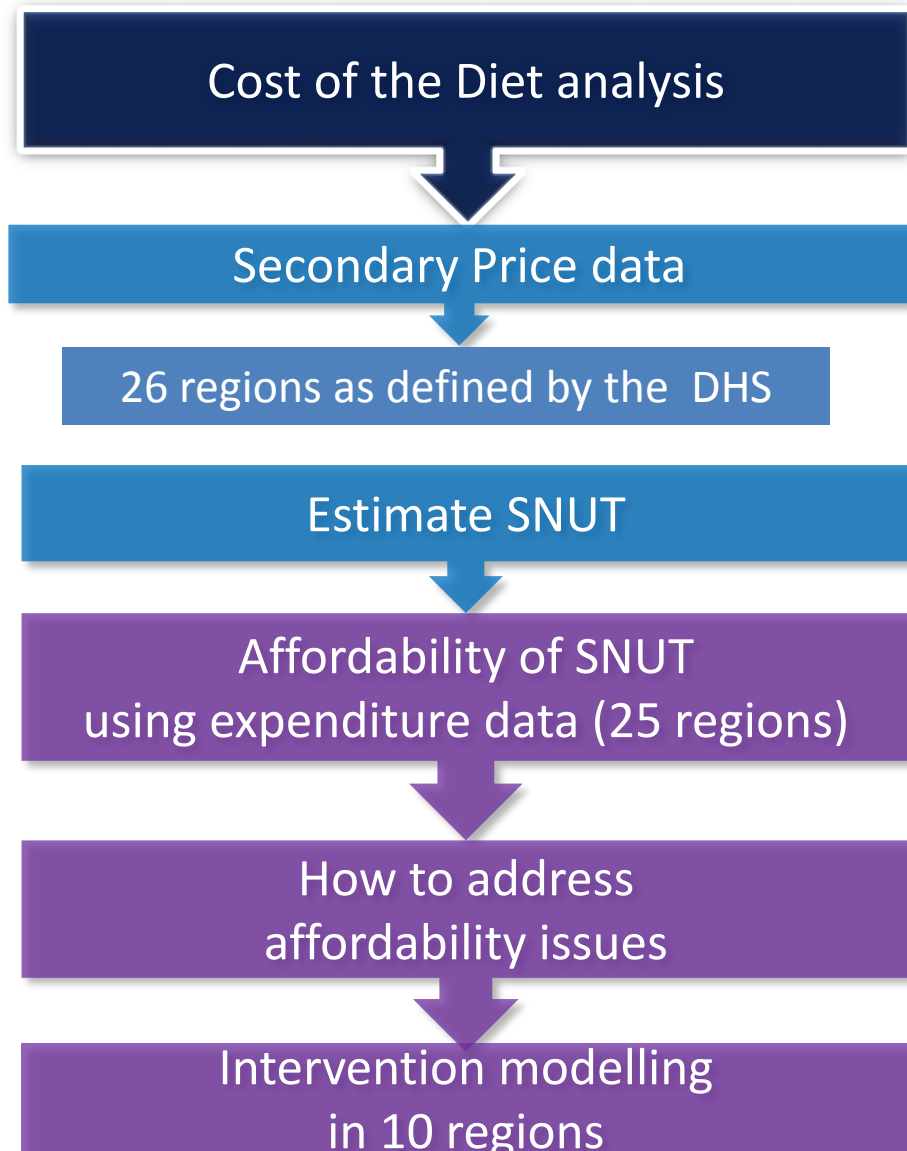
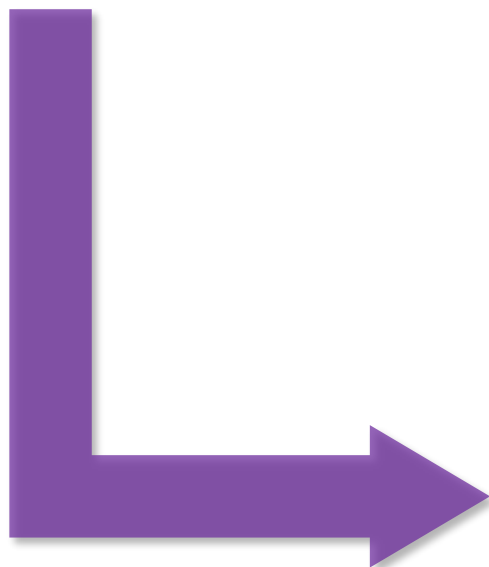
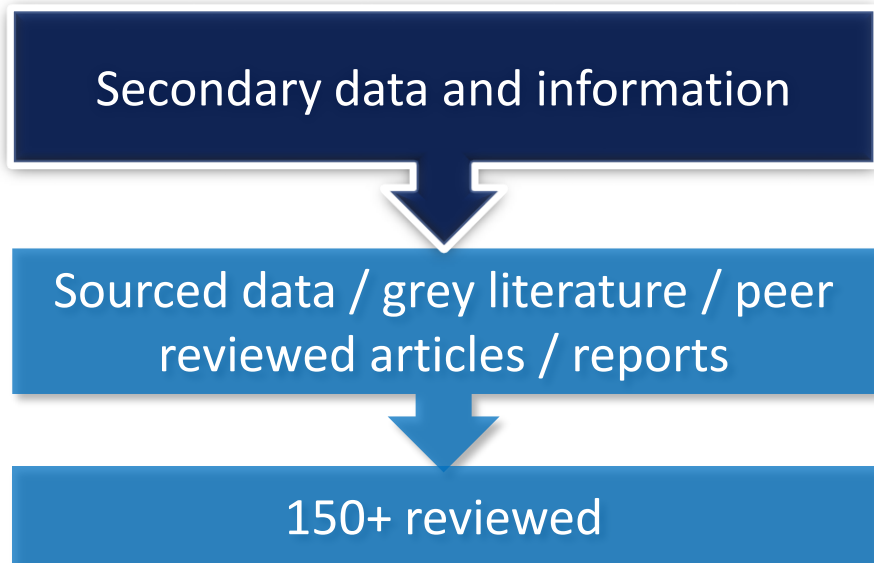
National
Government

WFP

Other
UN Agencies

Other
Partners

Fill the Nutrient Gap combines two streams of analysis



Key secondary data sources (150+ reviewed)

Data category	Key data sources
Nutrition situation	DHS 2015/16, Micronutrients DHS 2010
Policy and programmes	Food and Nutrition Policy Tanzania (draft, 2015); Tanzania National Multi-Sectoral Nutrition Action Plan 2016-2021
Access and availability of nutritious foods	CFSVA (2012); Livelihood Zones Analysis (2010); AgriDiet working paper 1 (2014)
Nutrient intake	Measuring Access to Food in Tanzania: A Food Basket Approach (2015); Maisha Bora Baseline Household Survey (2016)
Local practices	Ethnicity and Child Health in Northern Tanzania (2014); Affordable Nutritious Foods for Women Baseline Household Survey (2016); ASTUTE Formative Research Presentation (2017)
Optimisation and Cost of the Diet	Tanzania Mainland Household Budget Survey 2011/12; Zanzibar Household Budget Survey 2014/15

UNITED REPUBLIC OF TANZANIA
PRIME MINISTER'S OFFICE
THE TANZANIA NATIONAL MULTI-SECTORAL NUTRITION ACTION PLAN (NMNAP)
JULY 2016 - JUNE 2021
From Evidence to Policy to Action

TANZANIA
National Fortification Assessment Coverage Tool (FACT)
Survey in Tanzania, 2015

Tanzania
Comprehensive Food Security and Vulnerability Analysis
Tanzania 2012

Tanzania
2015-16
Demographic and Health Survey and Malaria Indicator Survey

Micronutrients:
Results of the 2010 Tanzania Demographic and Health Survey

The Policy Environment for Linking Agriculture and Nutrition in Tanzania
AgriDiet Working Paper 1
Professor Joyce Kinabo
July 2014

Addressing Stunting in Tanzania Early
FORMATIVE RESEARCH PRESENTATION
Pieter Remes, PhD
Dotto Kezakubi, MA
Vianney Atugonza, BA

Tanzania Mainland Household Budget Survey 2011/12; Zanzibar Household Budget Survey 2014/15

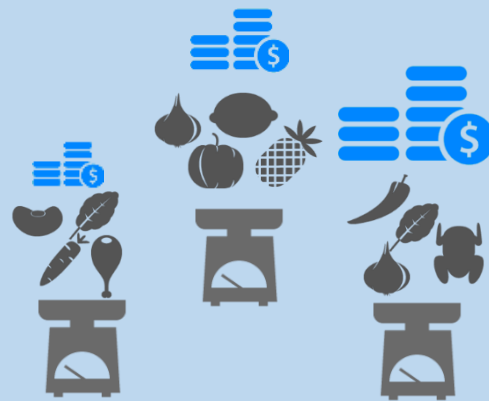
SPONSORED BY: GIZ

Prepared by: Erin Smith & George Kaisbozi.

Nutritious diet for all members of the family using the Cost of the Diet tool



Locally
available
food
items



Possible diets
meeting all
nutrient
requirements of
the household



Least
expensive
nutritious
diet

Least
expensive
nutritious
diet
adjusted to
include the
main
staples
(SNUT)



Staple adjusted nutritious diet (SNUT) – NUTRITIOUS DIET

WHAT IT IS...

- Based on what is available in markets.
- Based on lowest cost.
- Adjusted to reflect basic local preferences.

WHAT IT IS NOT...

- Not necessarily what people are actually eating.
- Not designed to provide recommendations of what people should eat.



Standardized household size and composition for all regions using a lifecycle approach

5 person household:

1. Child aged 12-23 months
2. Child aged 6-7 years
3. Female aged 14-15 years
4. Lactating woman
5. Adult Male





Life-cycle approach focus:

- Children < 2
- Pregnant & lactating women
- Adolescent girls.

Secondary data analysis

- Regional data where possible
- Seasonal effects taken into account.

Cost of Diet analysis and intervention modelling

- 10 regions representing each zones plus Dar es Salaam.

Cost of the Diet intervention modelling: How to improve the affordability of nutritious diets?

Strategies modelled at a household and individual level:

1. Improving access to locally available nutritious foods.
2. Staple food fortification.
3. Improving access to Specialised Nutritious Foods for specific target groups.
4. Micronutrient supplementation.
5. Cash transfers (conditional) – to improve purchasing power.

Cost of the Diet intervention modelling: How to improve the affordability of nutritious diets?

Assumptions:

1. Social Behaviour Change Communication required to improve demand creation for nutritious foods and improved dietary practices.
2. Programming costs are not included in the modelling (next step).

Strategies included based on:

- ✓ Ongoing interventions in Tanzania
- ✓ Potential new interventions (discuss feasibility)
- ✓ Evidence-based interventions.

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Key Findings from the Secondary Data Review and Cost of the Diet Analysis



2 Components of the Analysis

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Linear programming
on the
Cost of the Diet

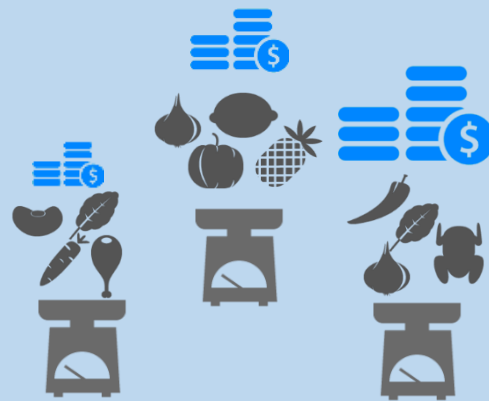
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Nutritious diet for all members of the family using the Cost of the Diet tool



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Possible diets
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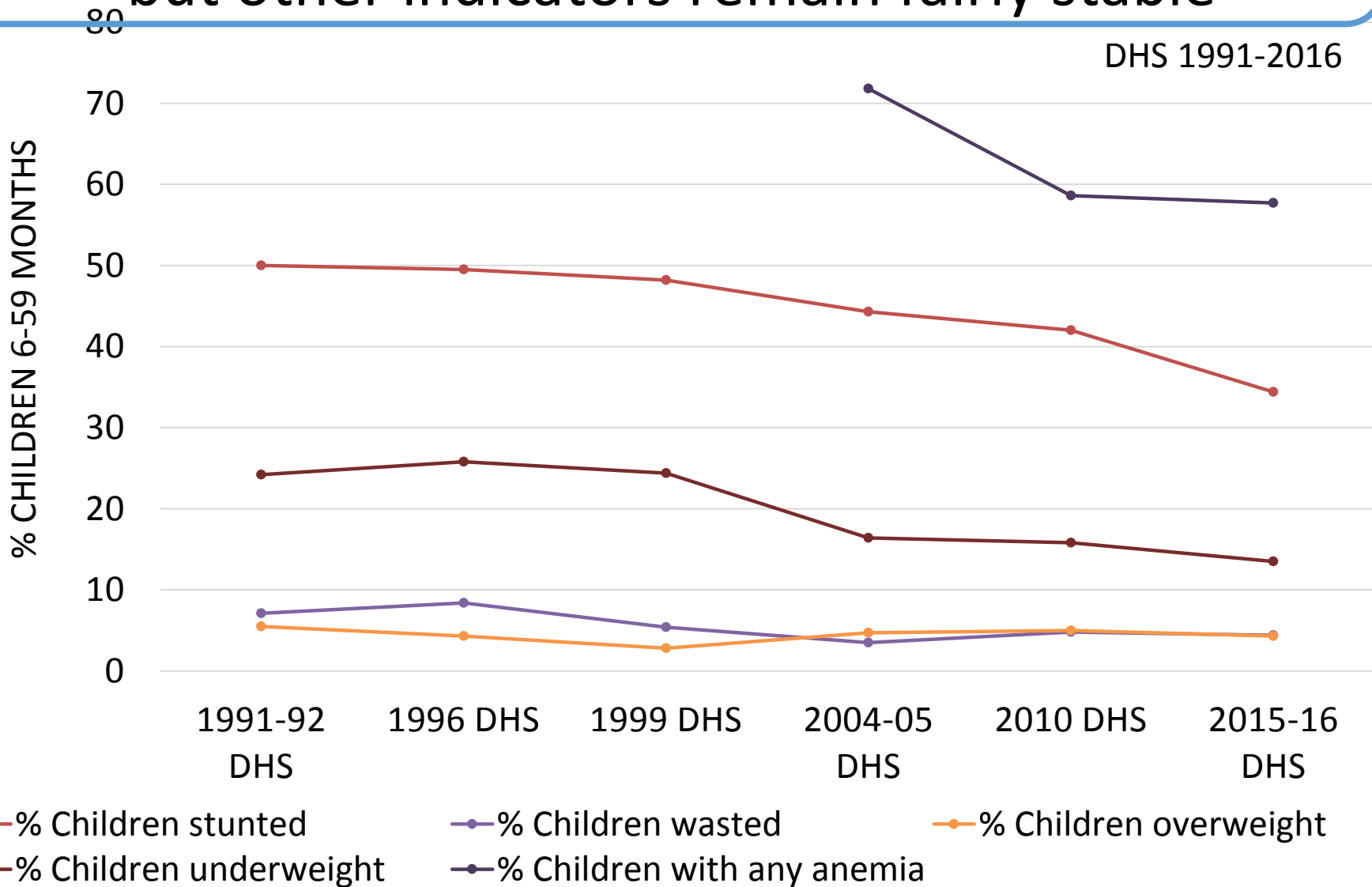
Least
expensive
nutritious
diet

Least
expensive
nutritious
diet
adjusted to
include the
main
staples
(SNUT)

Tanzania is undergoing nutrition transition:

- Although declining, progress is uneven and stunting still high.
- Some remaining pockets of wasting.
- Wide prevalence of micronutrient deficiencies.
- Rising overweight/obesity in women.

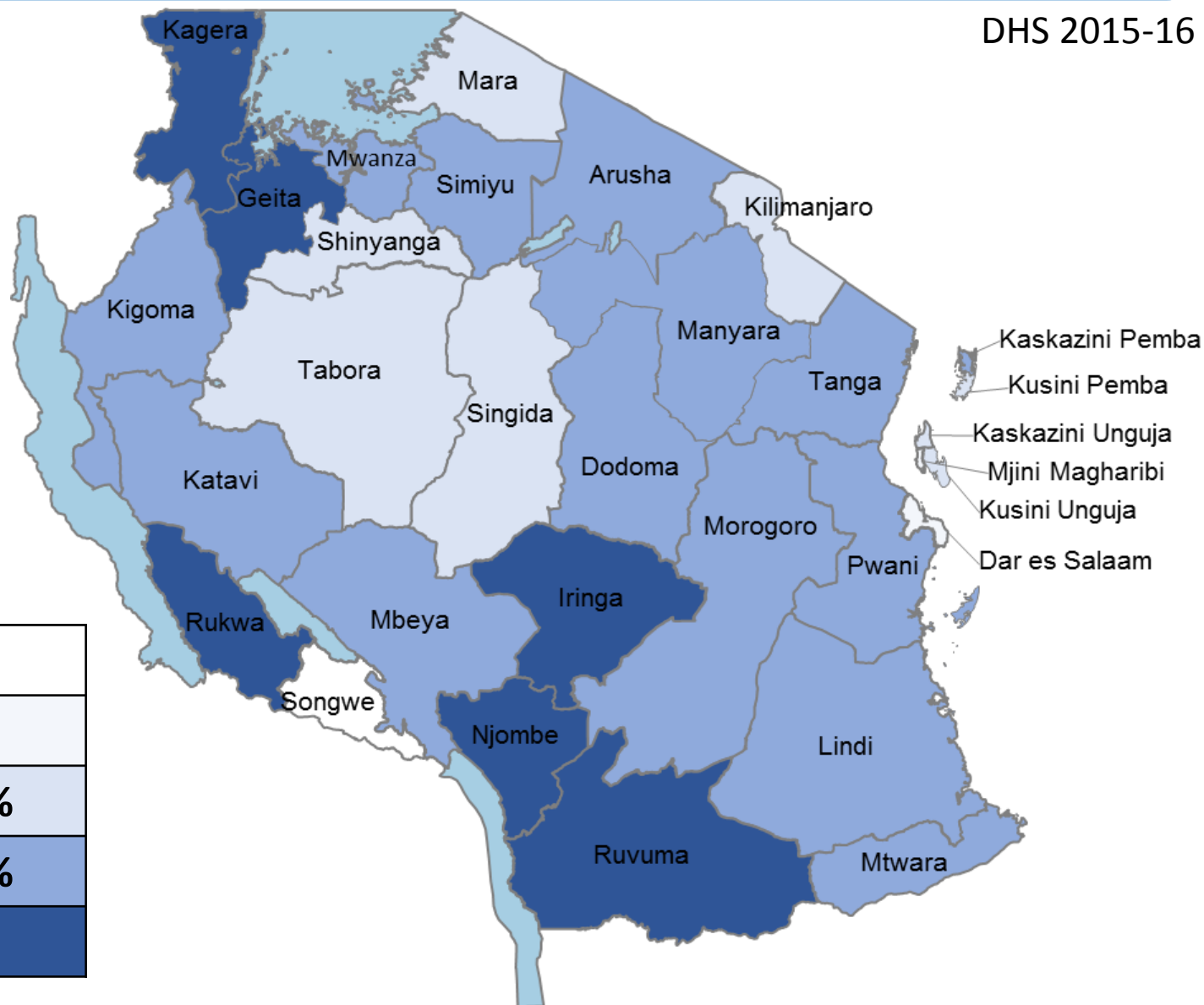
Good progress has been made on stunting reduction over the past 5 years, but other indicators remain fairly stable



Stunting prevalence remains >40% in 6 regions

Nationally affects 1 in 3 (34%) children

DHS 2015-16



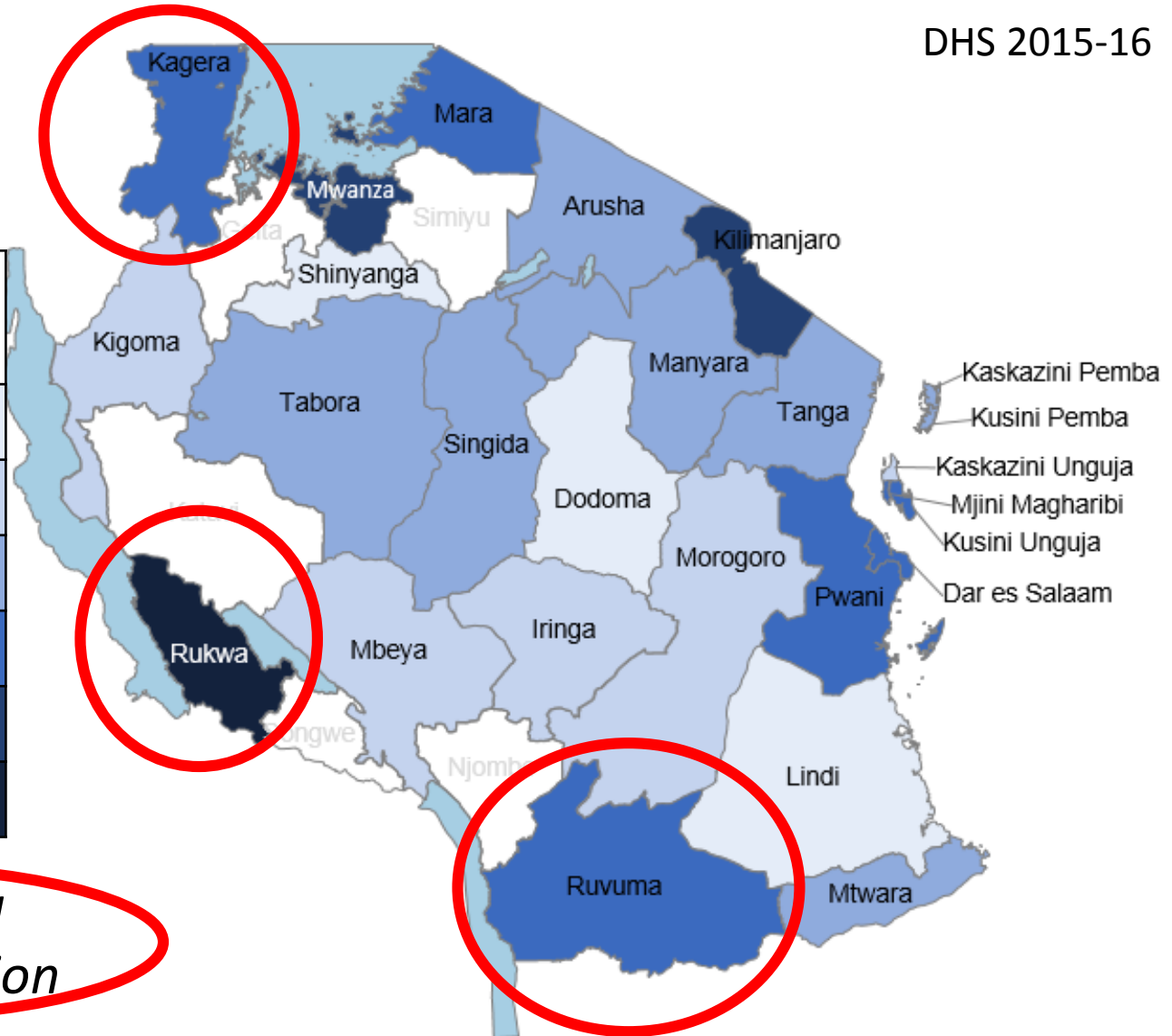
LEGEND
<20.0%
20.0-29.9%
30.0-39.9%
≥40.0%

Some regions with high stunting saw little or no decrease between 2010-2015

DHS 2015-16

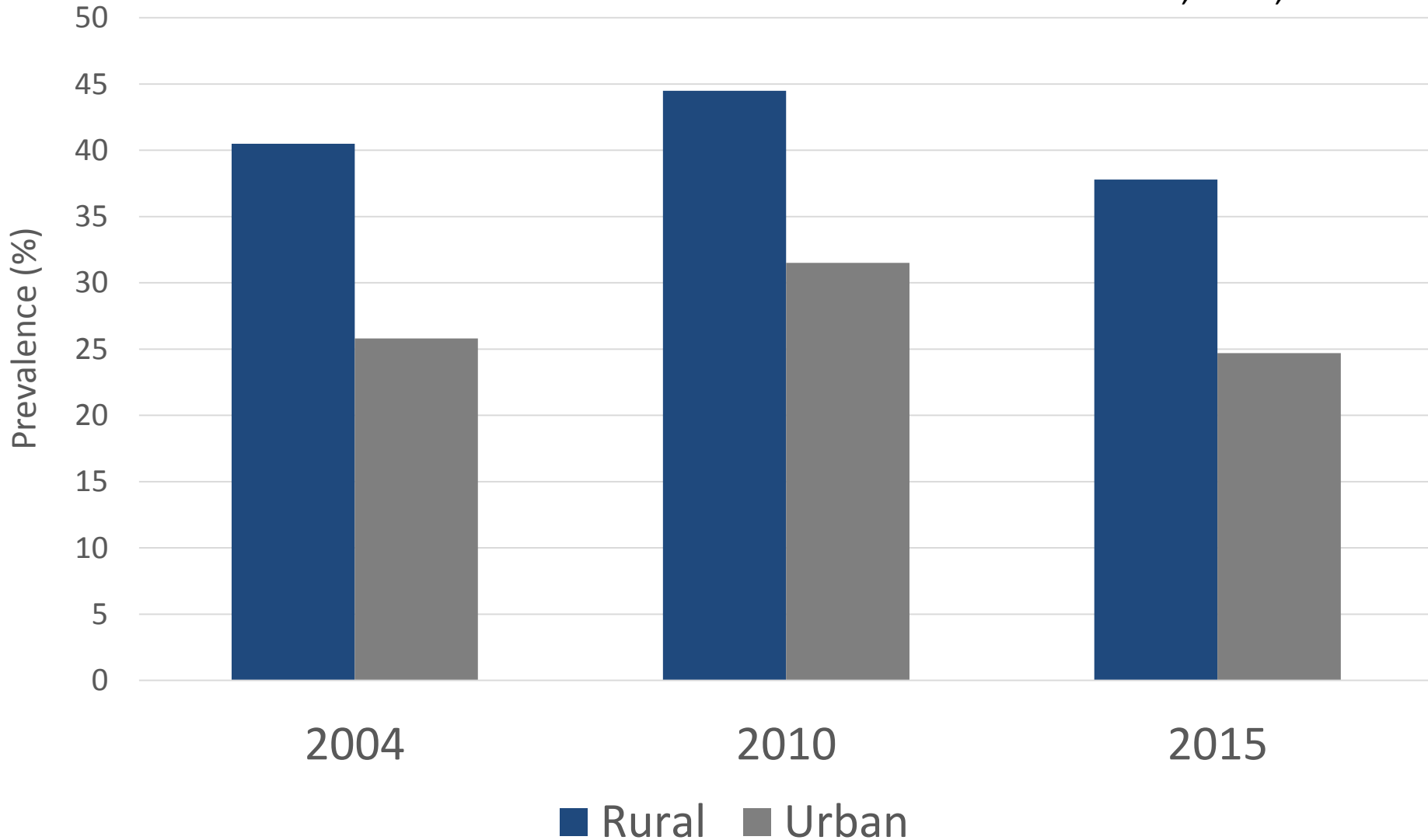
No trends available for Geita, Katavi, Niombe, Simiyu, Songwe

Change in percentage points
-15 to -20
-10 to -15
-5 to -10
0 to -5
0 to +5
>+5

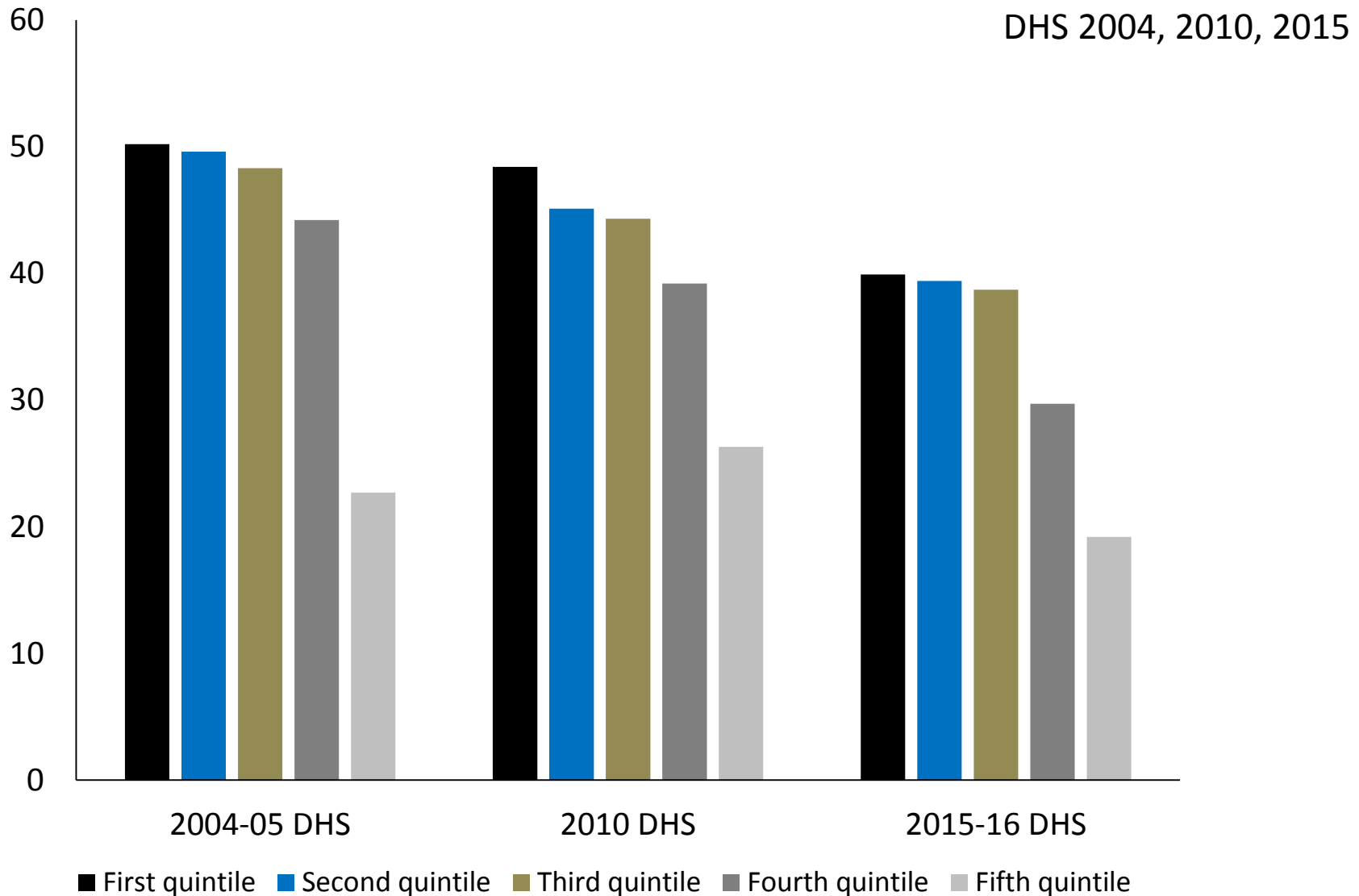


Stunting is higher in rural areas and slightly higher in boys

DHS 2004, 2010, 2015



Stunting prevalence decreases with increasing household wealth Still affects 1 in 5 children in top quintile



Why are 1 in 5 children in top quintile still stunted?

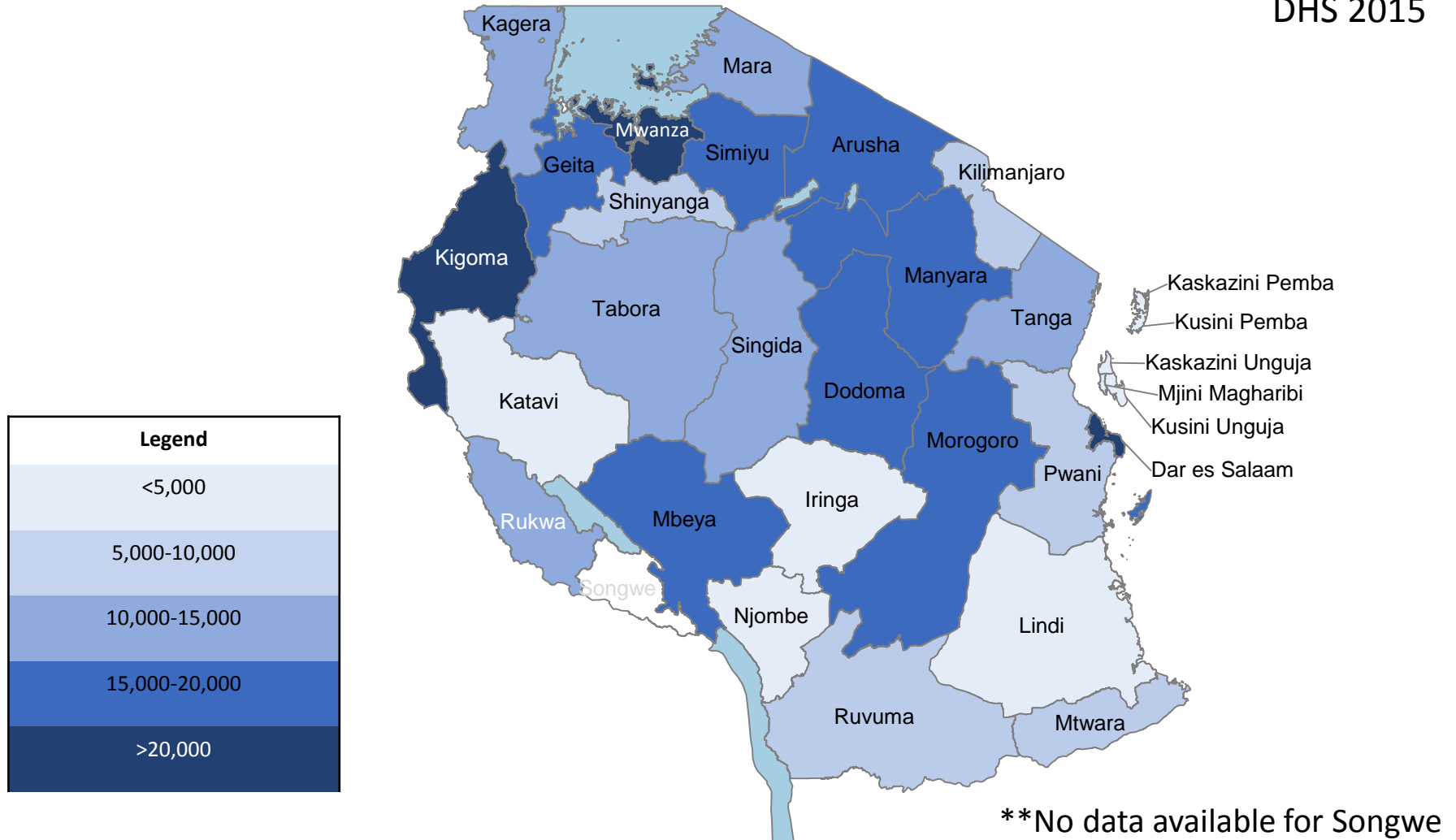
Could this be due to:

- Unavailability of adequately nutritious foods?
 - Unaffordability of these foods?
 - Inappropriate choices based on time, convenience, lack of awareness?

Acute malnutrition remains low & stable (4.4%)

There are 323 000 wasted children –
A quarter have Severe Acute Malnutrition

DHS 2015



Anaemia is a severe public health problem in young children and women

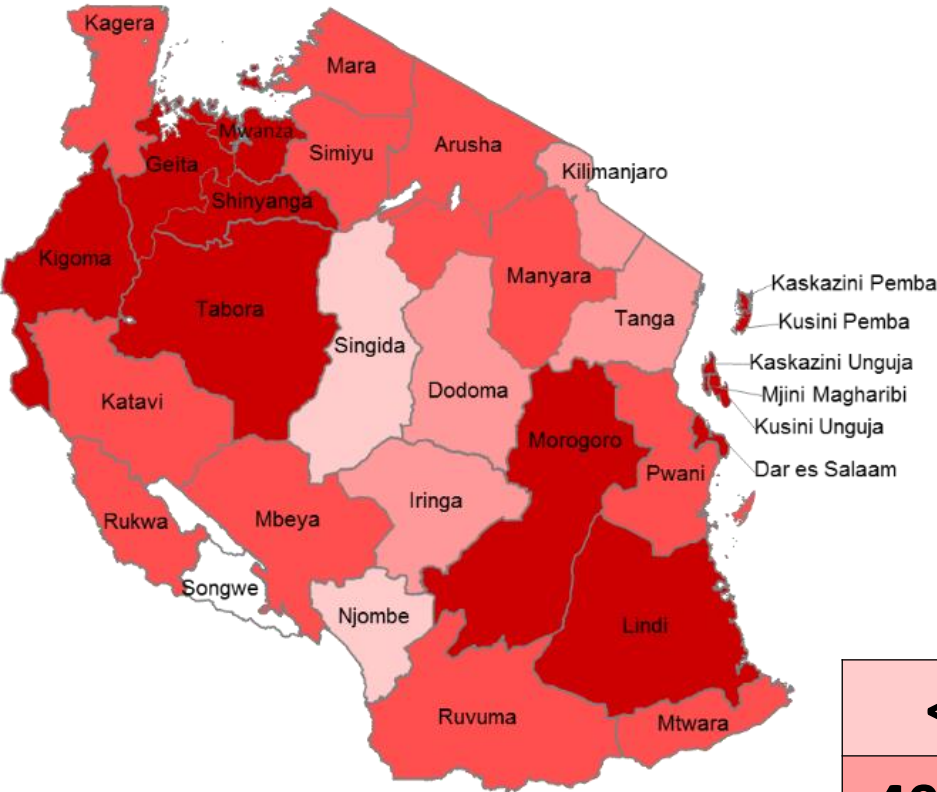
DHS 2015, DHS Micronutrients 2010

	Anaemia (2015)	Change (2015)	...due to Iron deficiency (2010)	Regional spread
Women	58%	+ 5%	35%	Large increases in Mara and Kigoma
Children	45%	No change	41%	As many regions decreased as increased

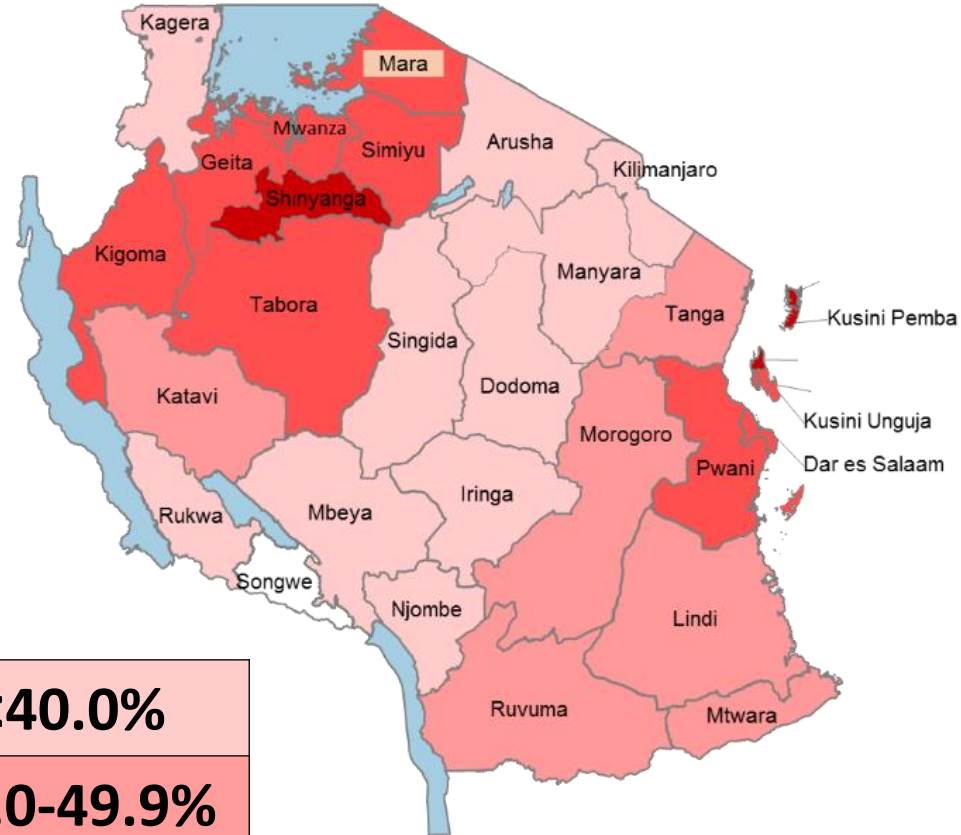
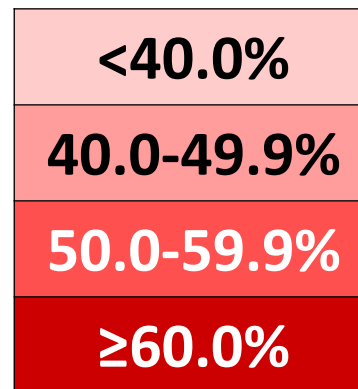
Further research needed on causes

Anaemia in children and women is high nationwide. Highest in Lake Zone and Zanzibar

DHS 2015-16



% Children 6-59 months
with anaemia



% Women with anaemia

1 in 3 children and women are iron deficient

DHS Micronutrients 2010

Children Under 5



Regional Variation:

13% (Mtwara) to 52% (Arusha)

Higher in:

- Urban vs Rural
- Children 12-23 months

Women of Reproductive Age



Regional Variation:

7% (Mtwara) to 50% (Tabora)

Little Variation across risk factors

1 in 3 children and women are vitamin A deficient

DHS Micronutrients 2010

Regional variation:

- Children: 15% (Unguja North) - 51% (Pemba North)
- Women: 17% (Unguja North) - 55% (Pemba North).

Education and Income:

- Unexpectedly higher prevalence in wealthier women and those with more education.

Night blindness:

5 regions where night blindness during pregnancy >5%.

Iodine deficiency in women

Is associated with socioeconomic indicators

Deficiency:

DHS Micronutrients 2010, GAIN 2016

- >50% in Tabora, Rukwa, Kigoma, Shinyanga, Kagera.
- Highest (76%) in Geita.

Socioeconomic indicators: Strongly linked

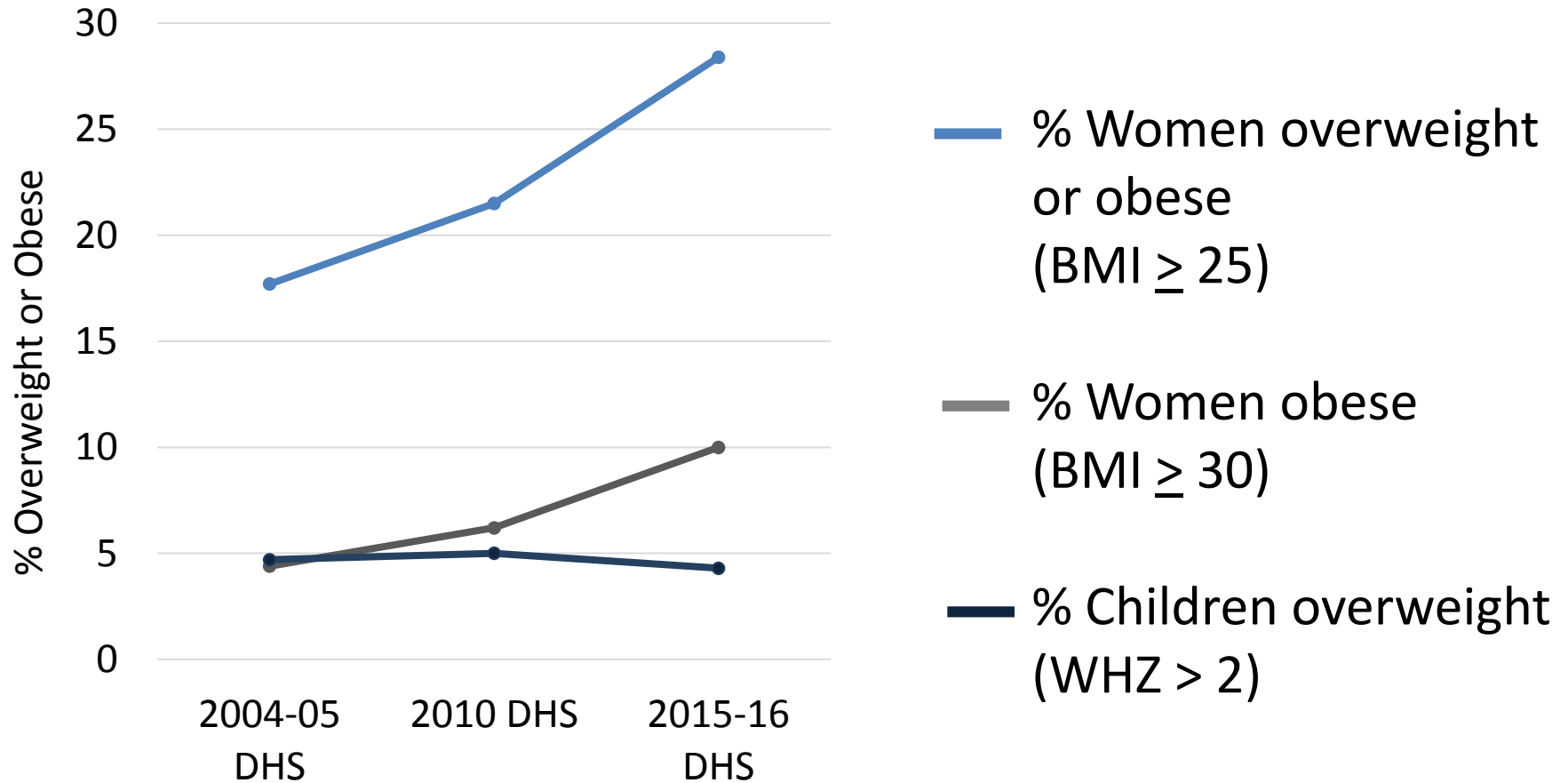
- Low income: 4.5 x higher risk
- Rural: 3 x higher risk
- No education: 2 x higher risk
- Only 56% of poor households consume iodised salt versus 81% of non-poor households.

Source:

- Iodised salt virtually the only source of iodine.

More than 1 in 4 women are overweight 1 in 10 is obese...

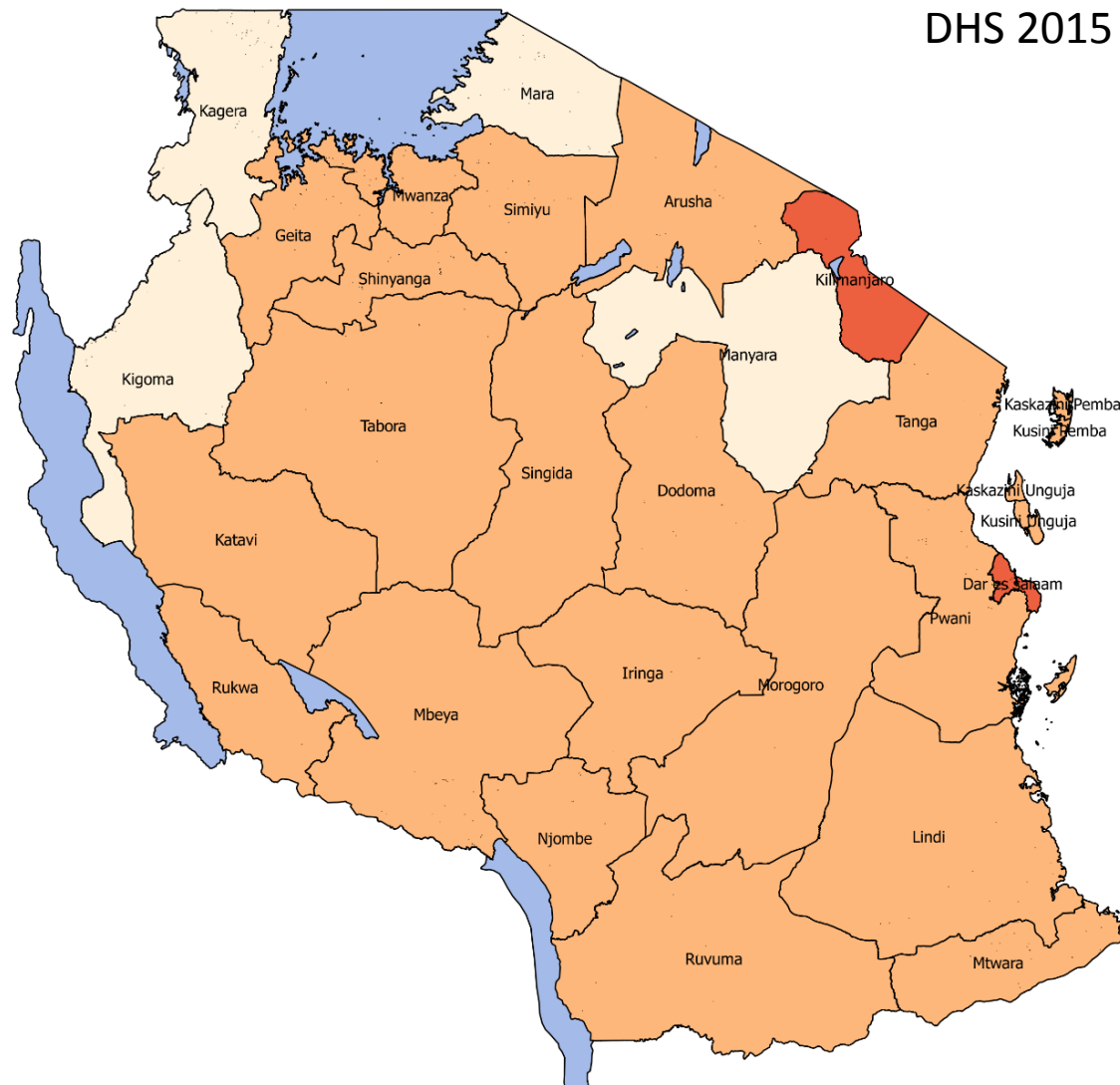
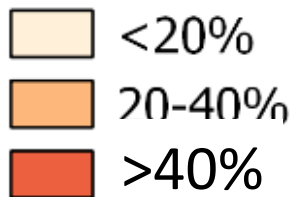
DHS 2004, 2010, 2015



... and is rapidly rising especially in urban areas

DHS 2015

Prevalence of Overweight and Obesity (BMI > 25)



Non-communicable diseases are an increasing burden

STEPS Survey 2012

Increases in:

Cardiovascular diseases, diabetes, cancer, and chronic respiratory diseases.

Linked to:

Rural-urban migration, urbanization, changing diets, sedentary urban lifestyles.

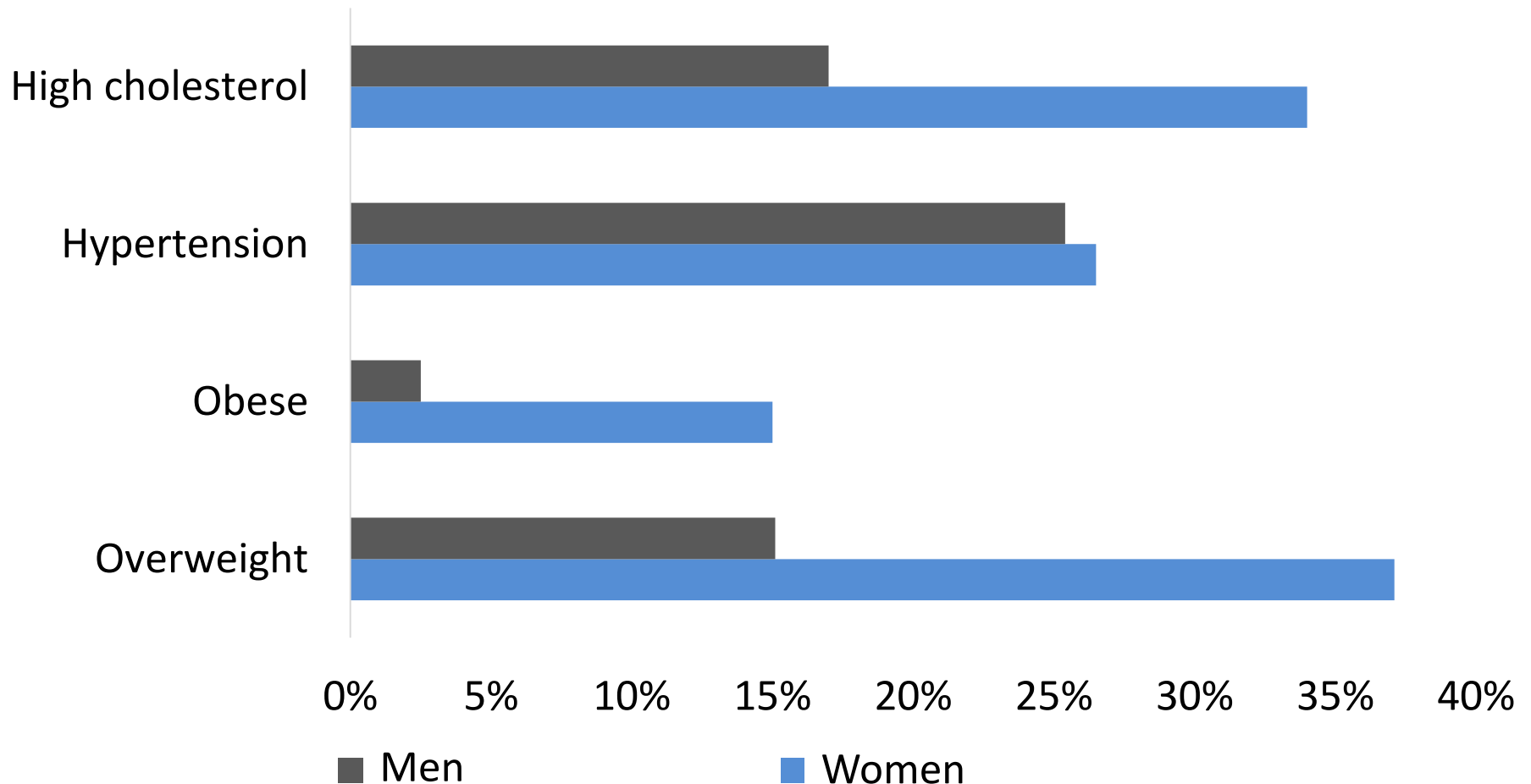
Several risk factors:

Overweight/obesity, diet (high intake of fat, sugary foods and drinks), physical inactivity, undernutrition early in life.

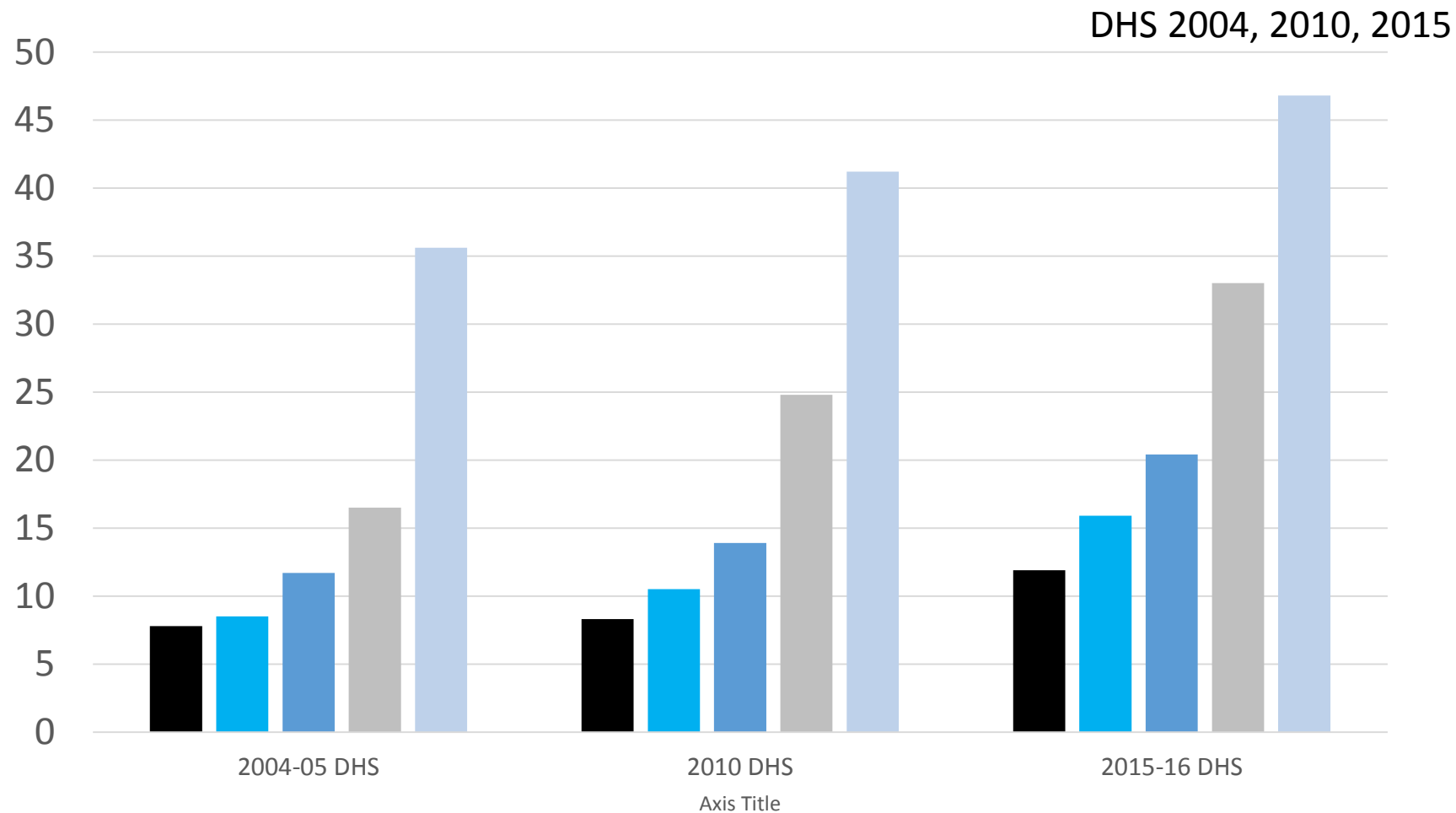
Women are at greater risk of non-communicable diseases...

STEPS Survey 2012

Prevalence of NCDs and risk factors in men and women



...and overweight and obesity in women increases with household wealth



■ First Quintile

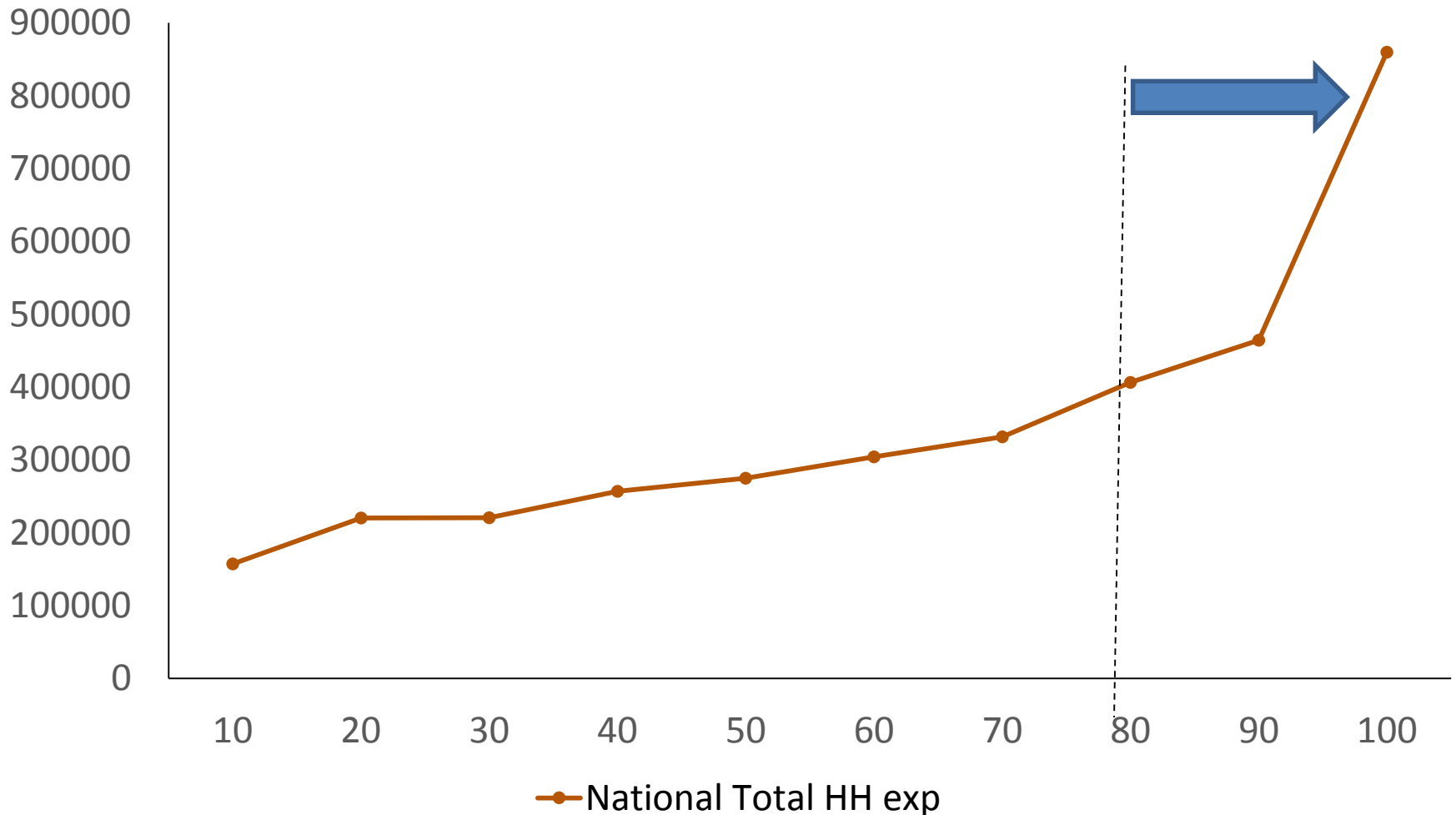
■ Second Quintile

■ Third Quintile

■ Fourth Quintile

Economic access to a nutritious diet is difficult for the majority

Household Budget Survey 2012/13



KEY MESSAGE 2

Food is generally available
but not necessarily accessible

A wide range of foods are available in urban and peri-urban markets

WFP CFSVA 2013



Range of staple grains: **maize, rice and wheat**



Varieties of **vegetables, fruits legumes, meats, cooking oils, spices and condiments**

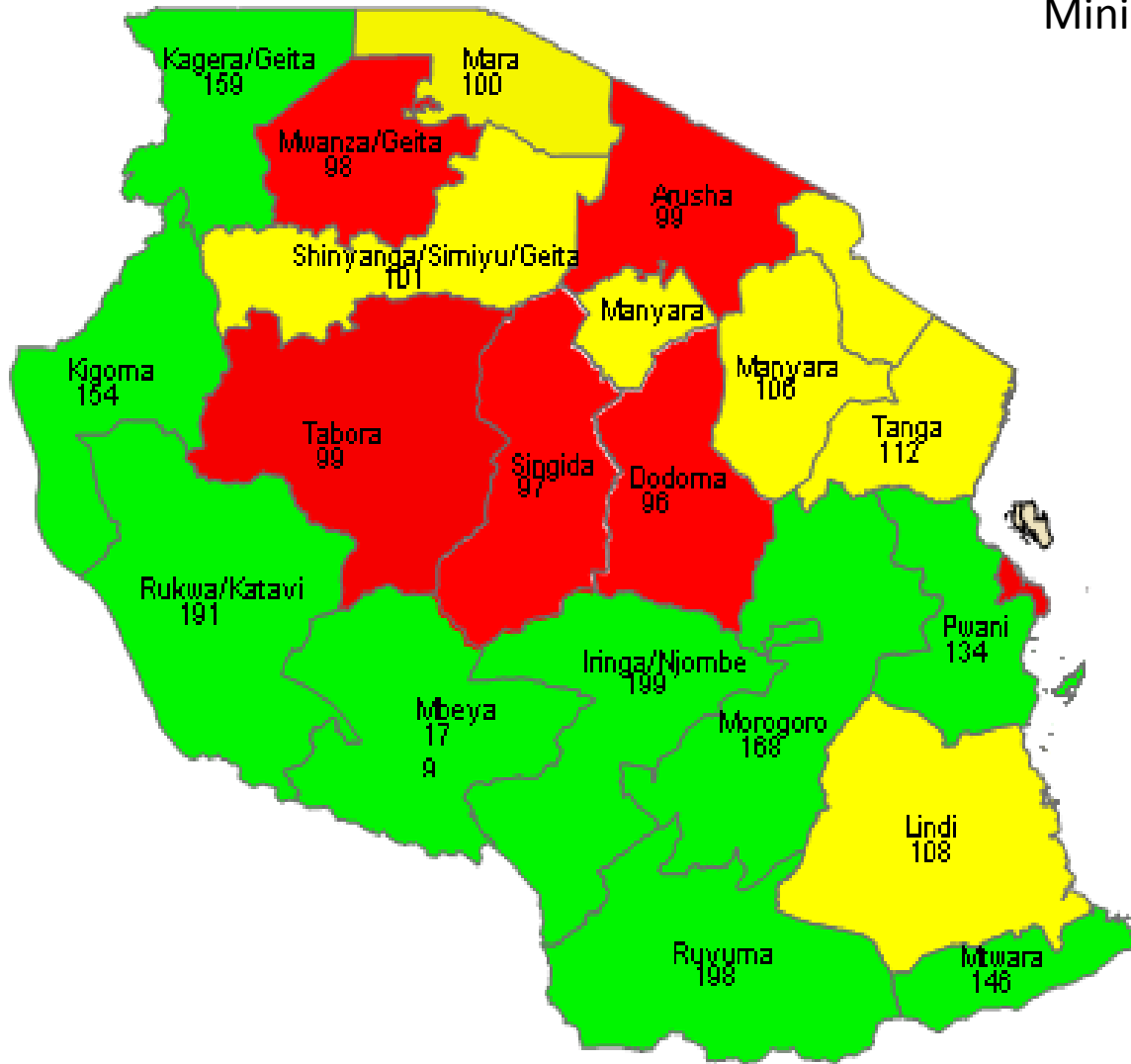


Eggs, milk, yogurt and dried fish available in all regions. **Fresh fish** available in most

Some fortified foods, but those for young children are usually imported and **expensive**

National food security masks inequitable distribution of food

Ministry of Food and Agriculture 2015

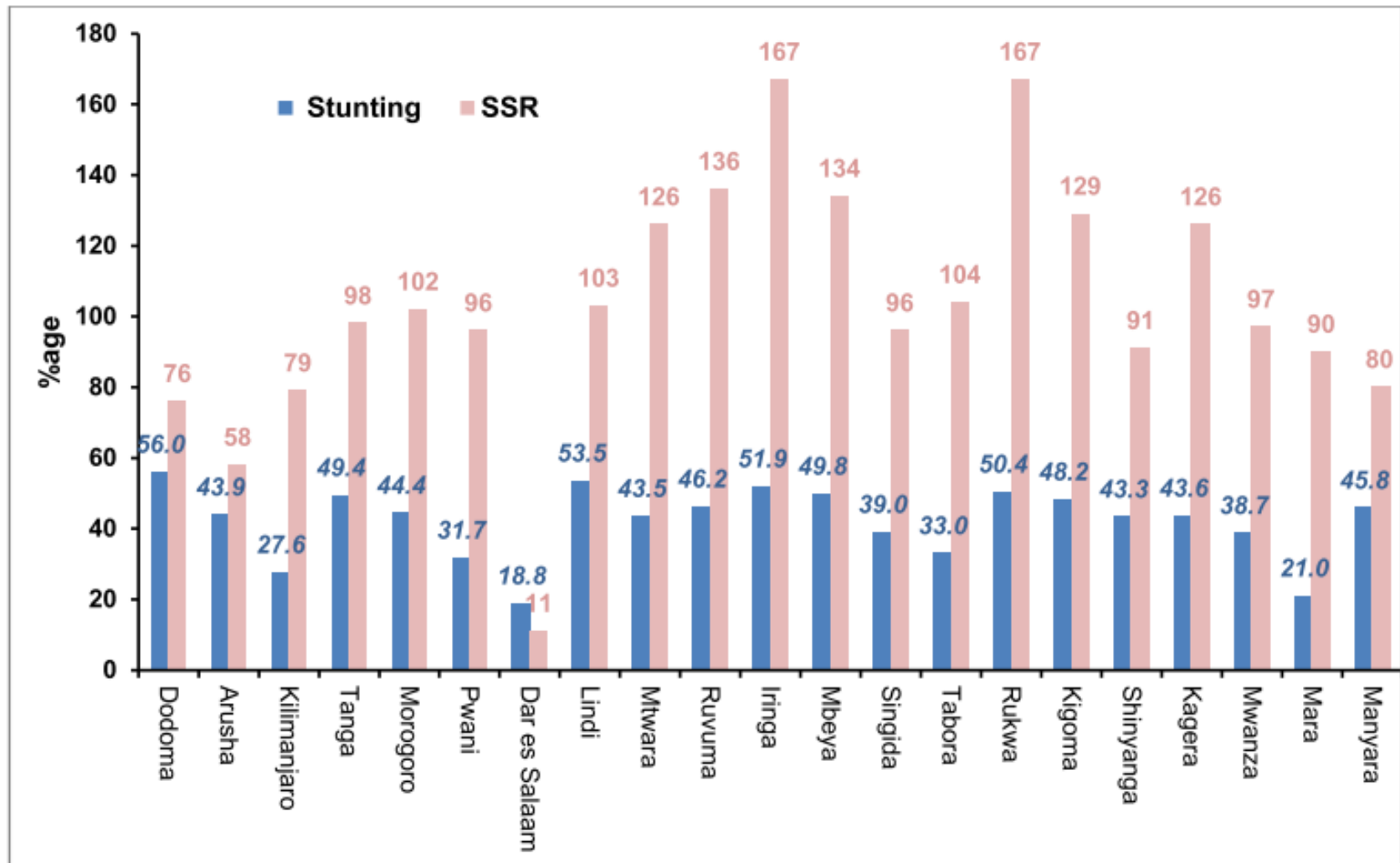


Self sufficiency
ratio
by region,
2014/15



Self sufficiency ratio is not linked with nutrition status

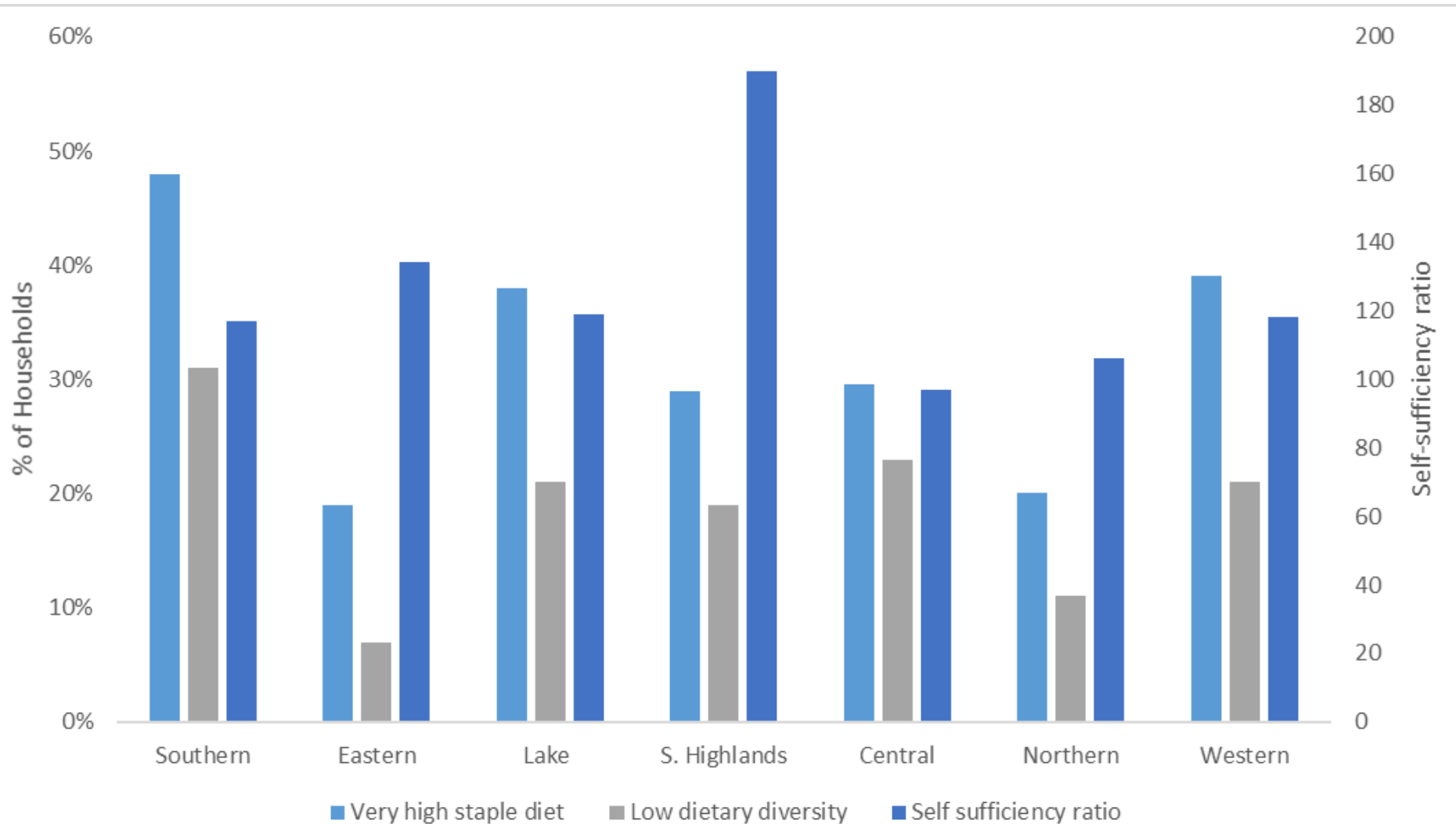
Prevalence of stunting and food self-sufficiency (maize) by regions



Source: TDHS, 2011 (stunting) and MAFC 2010 based on 2009/10 Self-Sufficiency Ratio (SSR) data

High self sufficiency ratio not related to adequately diverse diets

CSFVA 2013, Ministry of Food and Agriculture 2015



KEY MESSAGE 3

Fill the Nutrient Gap

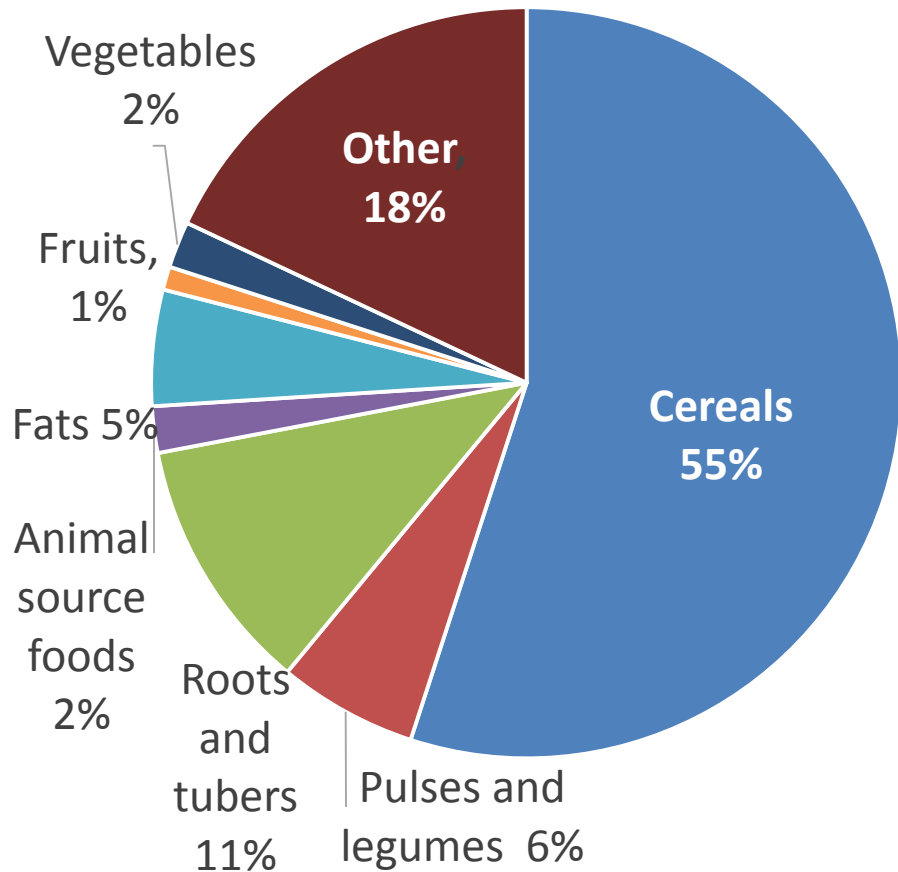


Nutrition situation analysis framework and decision tool

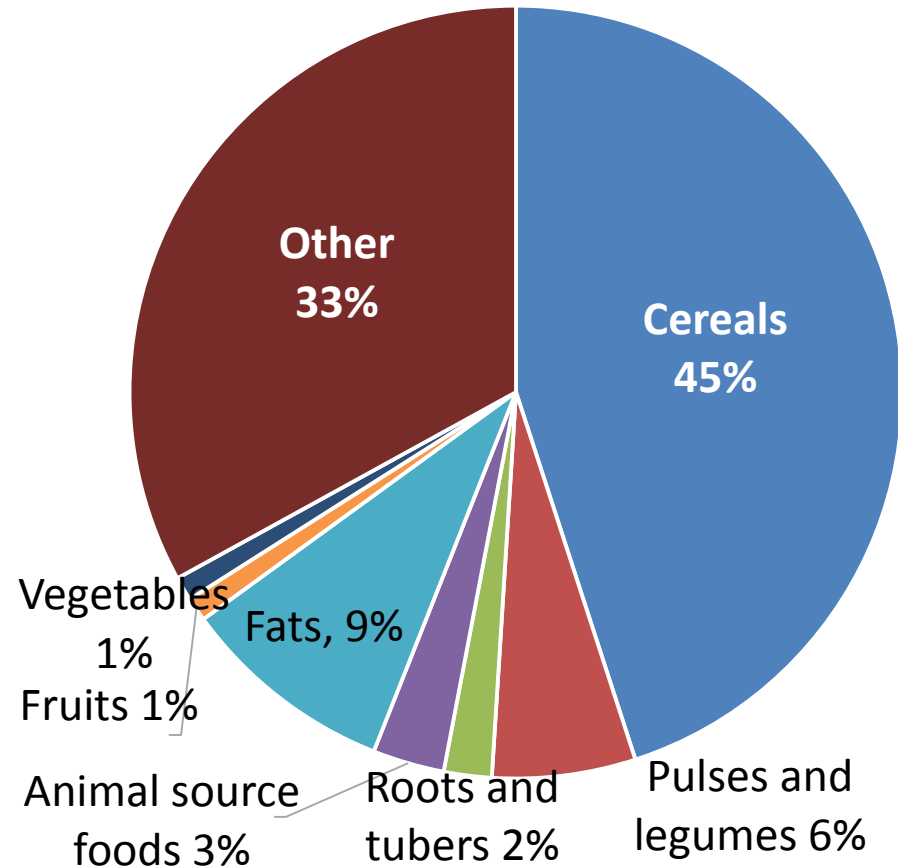
Diets are heavily reliant
on unfortified **staple foods**

70 - 80% of energy intake comes from staple foods (maize)

Cochrane & Souza 2015



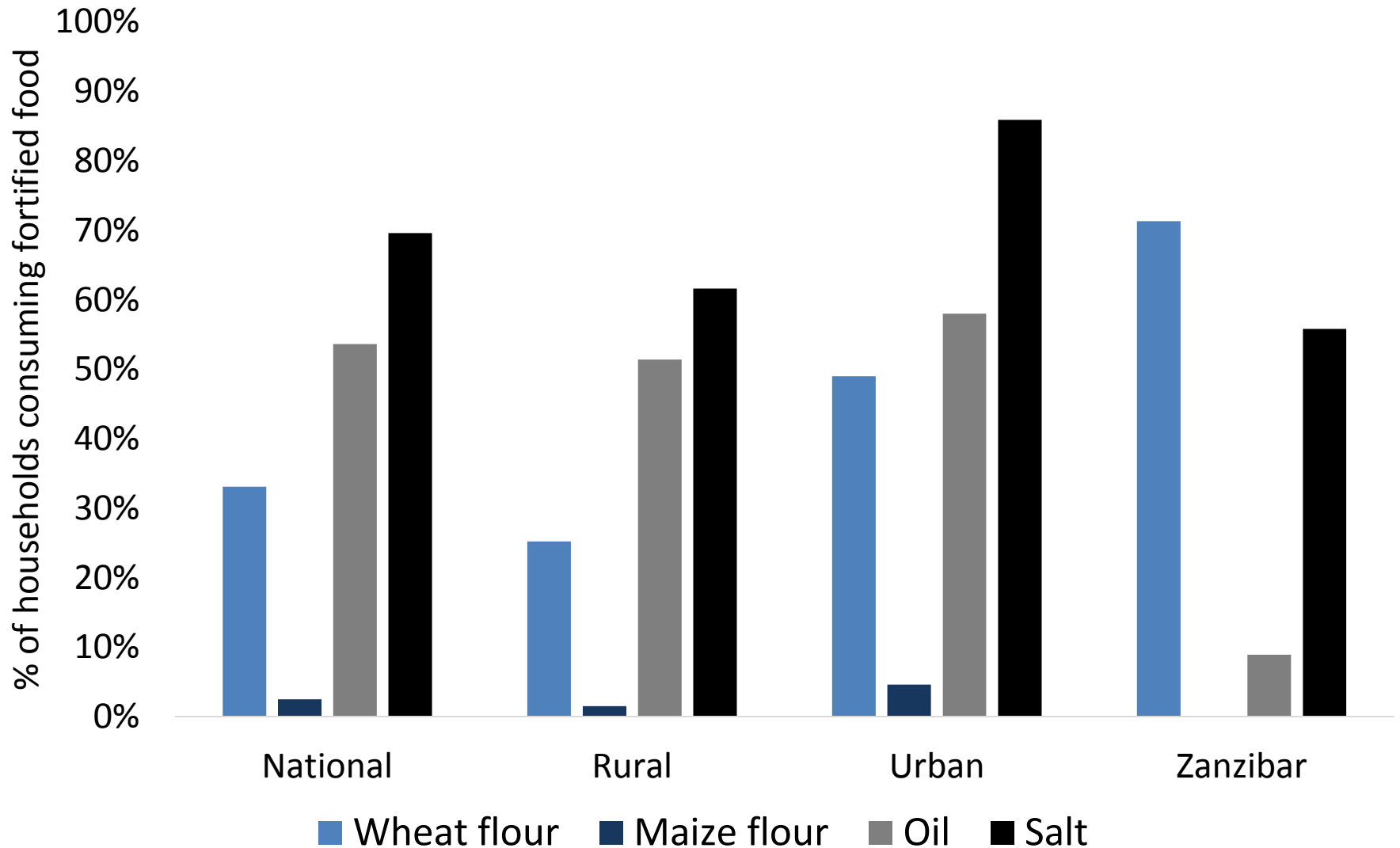
Mainland Tanzania:
40% of energy from maize



Dar es Salaam:
23% of energy from maize

Despite mandatory fortification it is often not adequate or accessible

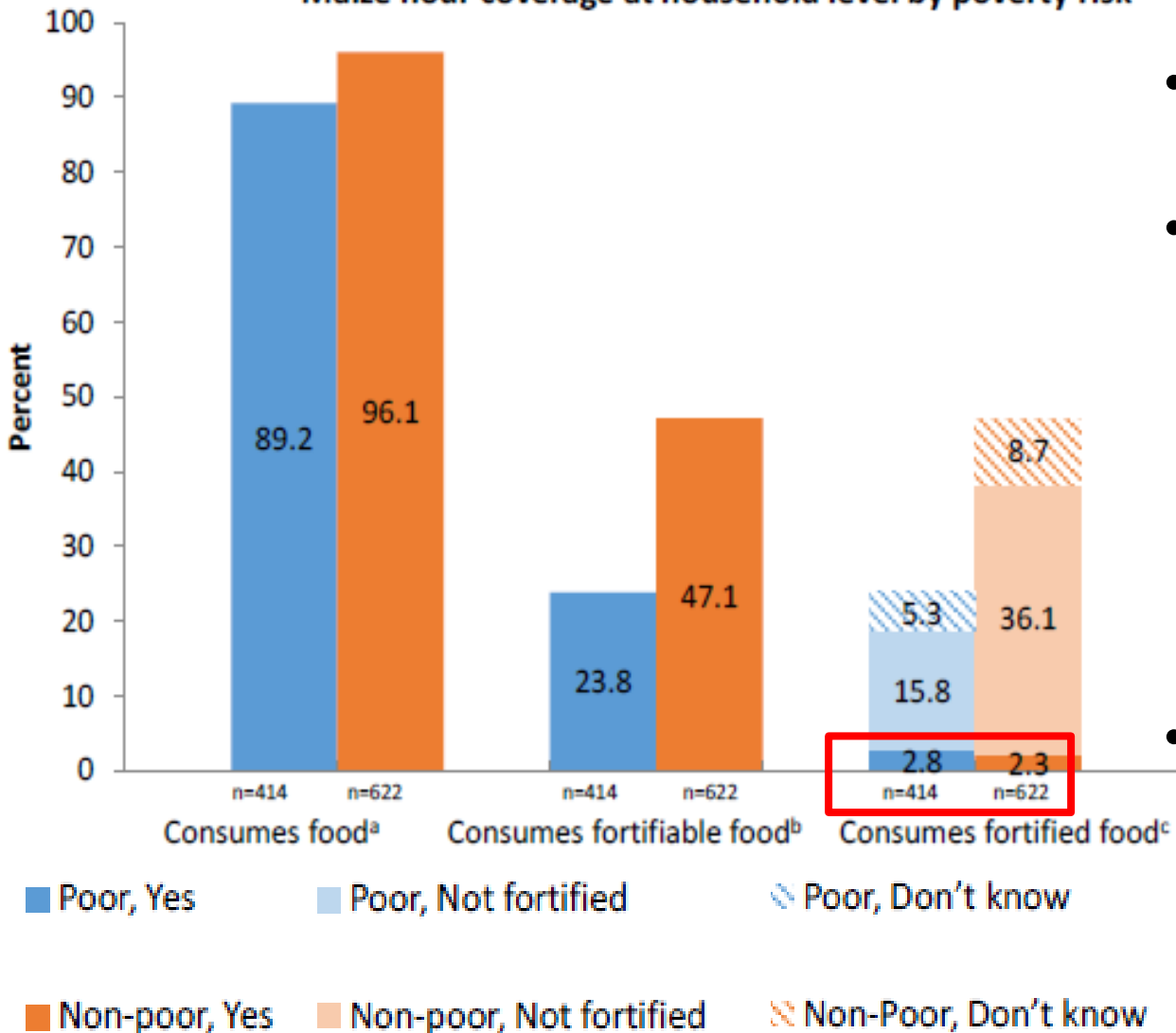
GAIN 2016



Consumption of fortified food is lower amongst the poor who need it most...

GAIN 2016

Maize flour coverage at household level by poverty risk

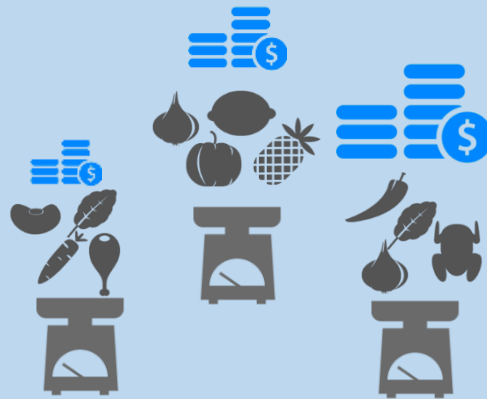


- Most households consume maize flour.
- Only 1/4 of poor households and 1/2 of non-poor households source maize flour from a miller required to fortify.
- Of those households, <3% consumed adequately fortified maize flour.

Nutritious diet for all members of the family using the Cost of the Diet tool



Locally
available
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items



Possible diets
meeting all
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Least
expensive
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Modelling to improve access to nutrients

CotD 2017

Target group	Intervention	Transfer Modality	Possible Entry Points
Household	Fortified Staple (Maize or Rice)	Market	<ul style="list-style-type: none">• Health• Agriculture• Social Protection• Markets (Private Sector)

Household:

Fortified maize could reduce the cost of the diet of the household by 11%

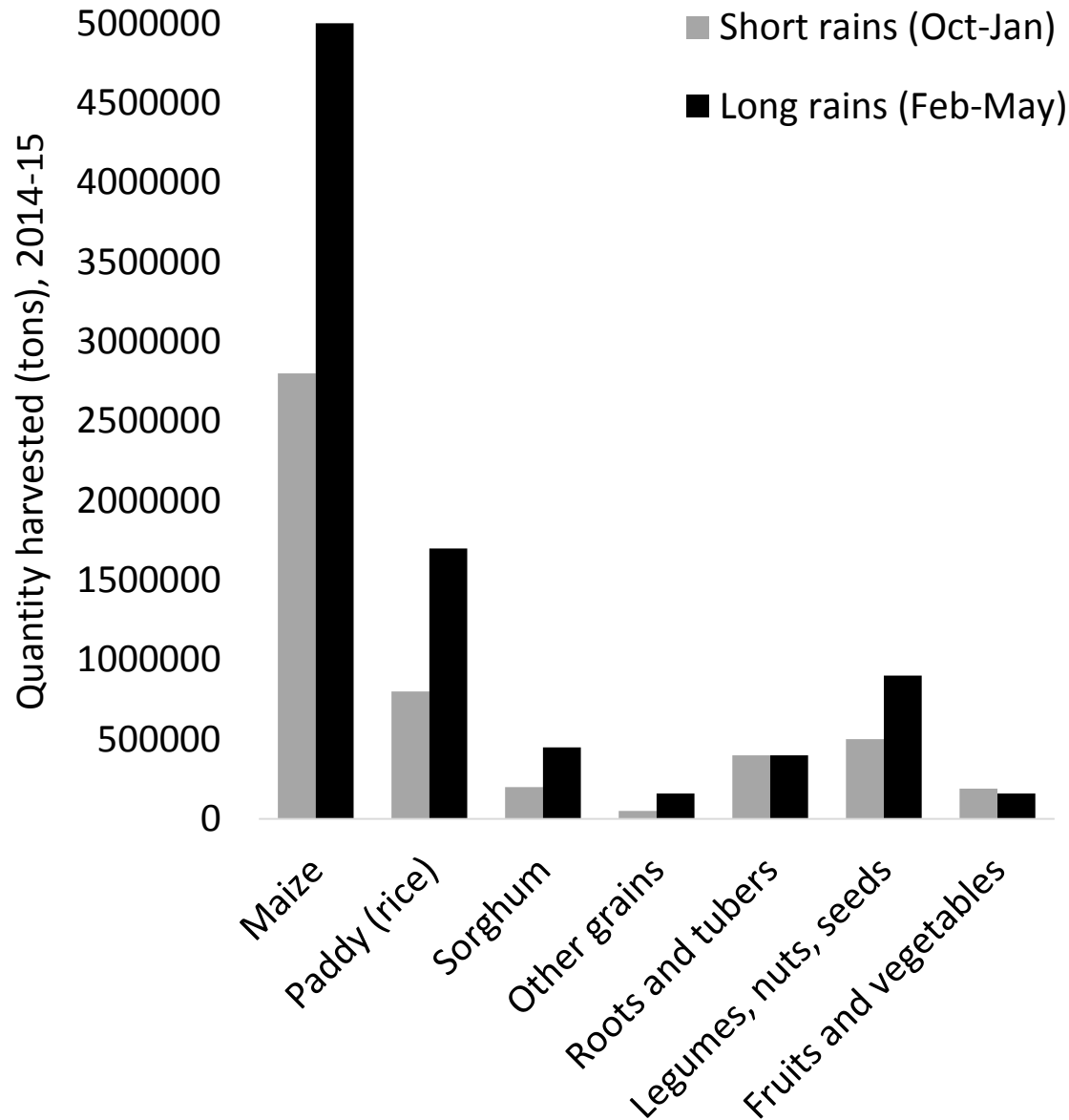
CotD 2017



KEY MESSAGE 4

Crop diversification
amongst smallholder farmers
is critical to
support better nutrition

Maize dominates domestic agricultural production



NBS 2014-15

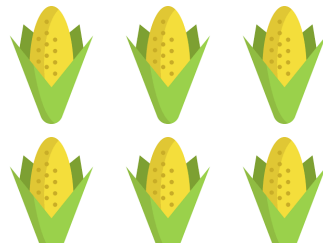
Diversification of crops is critical...

NBS 2014-15

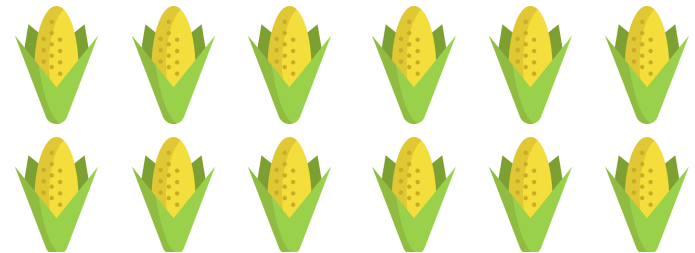
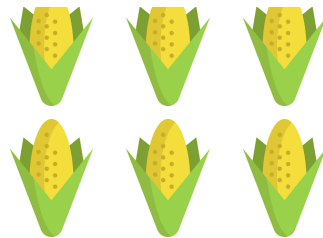
Much food available in markets is produced domestically...



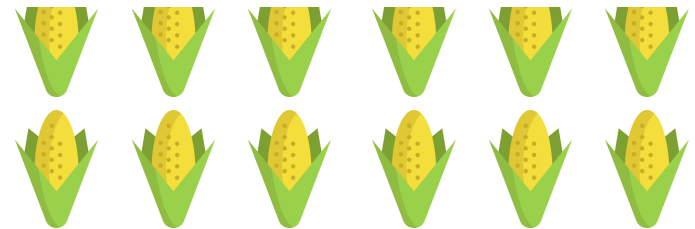
**For 1 ton of
fruit/veg
harvested...**



**15 tons of maize
Short rains**



**30 tons of maize
Long rains**



...food shortages are most common from October-February
in areas with 2 rainy seasons (bimodal)

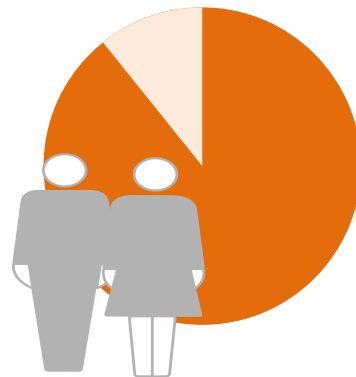
Agriculture is key to the economy...

Cochrane & Souza, WFP CFSVA, NMNAP

**25%
of GDP**



**88%
of rural
employed
population**



**85%
of farmers
cultivating
<4 hectares**



**Food supply
dependent
on domestic
agriculture**



...yet smallholder farmers face many challenges

Cochrane & Souza, WFP CFSVA, NMNAP

**Lack of
modern
inputs and
techniques**



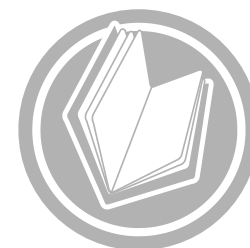
**Lack of
access to
credit**



**Reliance on
rain –
vulnerable to
climate
change**



**Insecure land
tenure,
especially for
women**



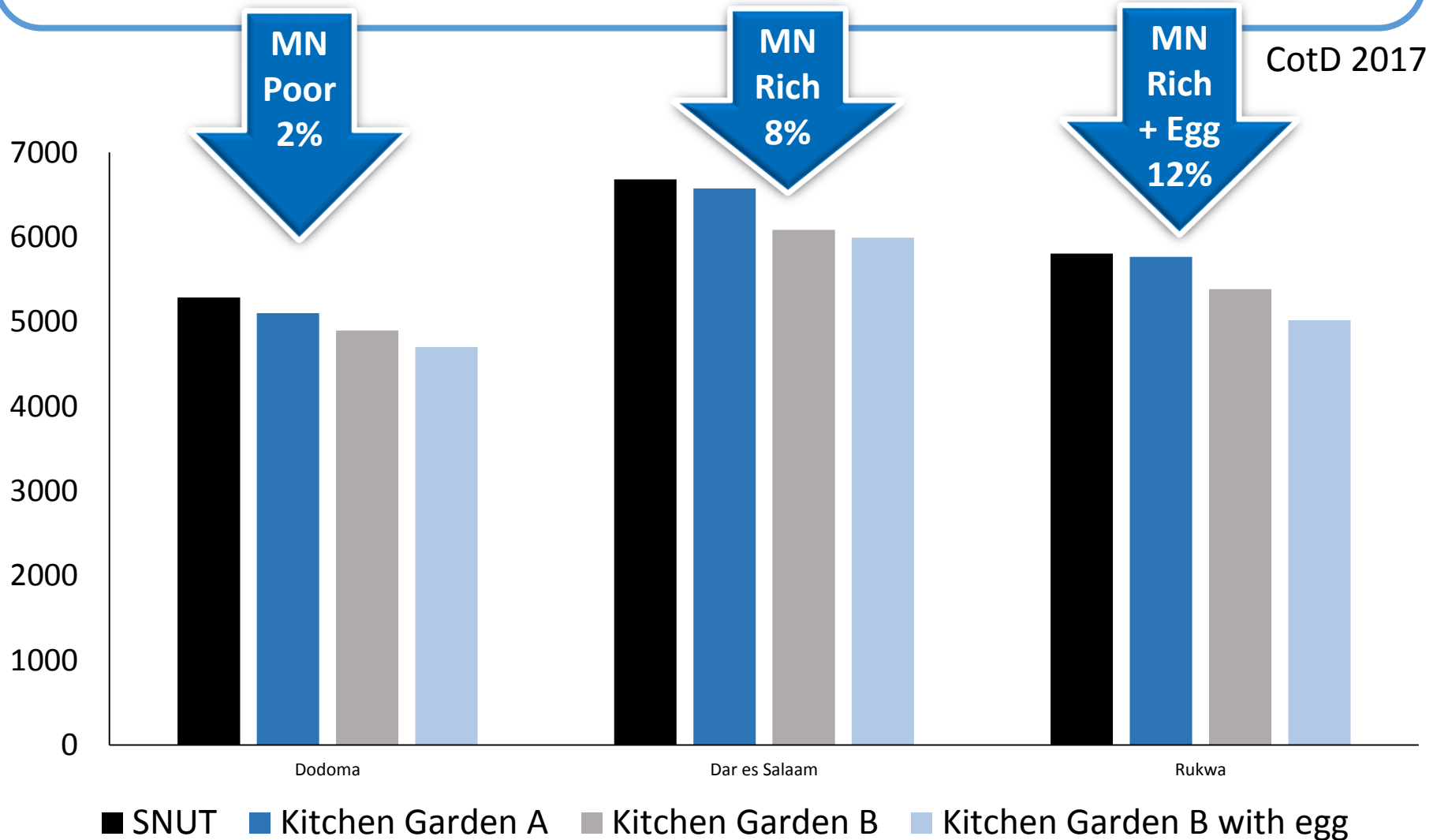
Modelling to improve access to nutrients

CotD 2017

Target group	Intervention	Transfer Modality	Possible Entry Points
Household	Kitchen Garden A- Cabbage Tomato Beans	Own production	Agriculture
	Kitchen garden B- Iron Fortified beans Amaranth Leaves Orange Flesh Sweet Potato	Own production	Agriculture
	Kitchen Garden B & Egg Production	Own production	Agriculture

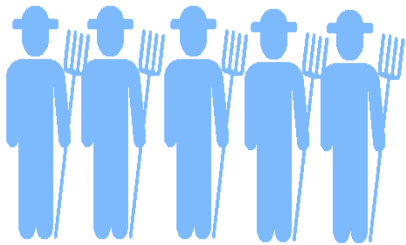
Household:

Kitchen Gardens with nutrient dense crops have great potential in reducing the cost of the diet



Many of the poor do not own agricultural land and require other platforms for nutrition security

FAO 2015; World Bank 2012



73% (41 million) of Tanzanians live in rural areas.

Estimated 46% (19 million) of these live and farm on smallholdings

10% rural households are landless

Approximately **4 million** Tanzanians Have no access to smallholder farms.

KEY MESSAGE 5

Fill the Nutrient Gap



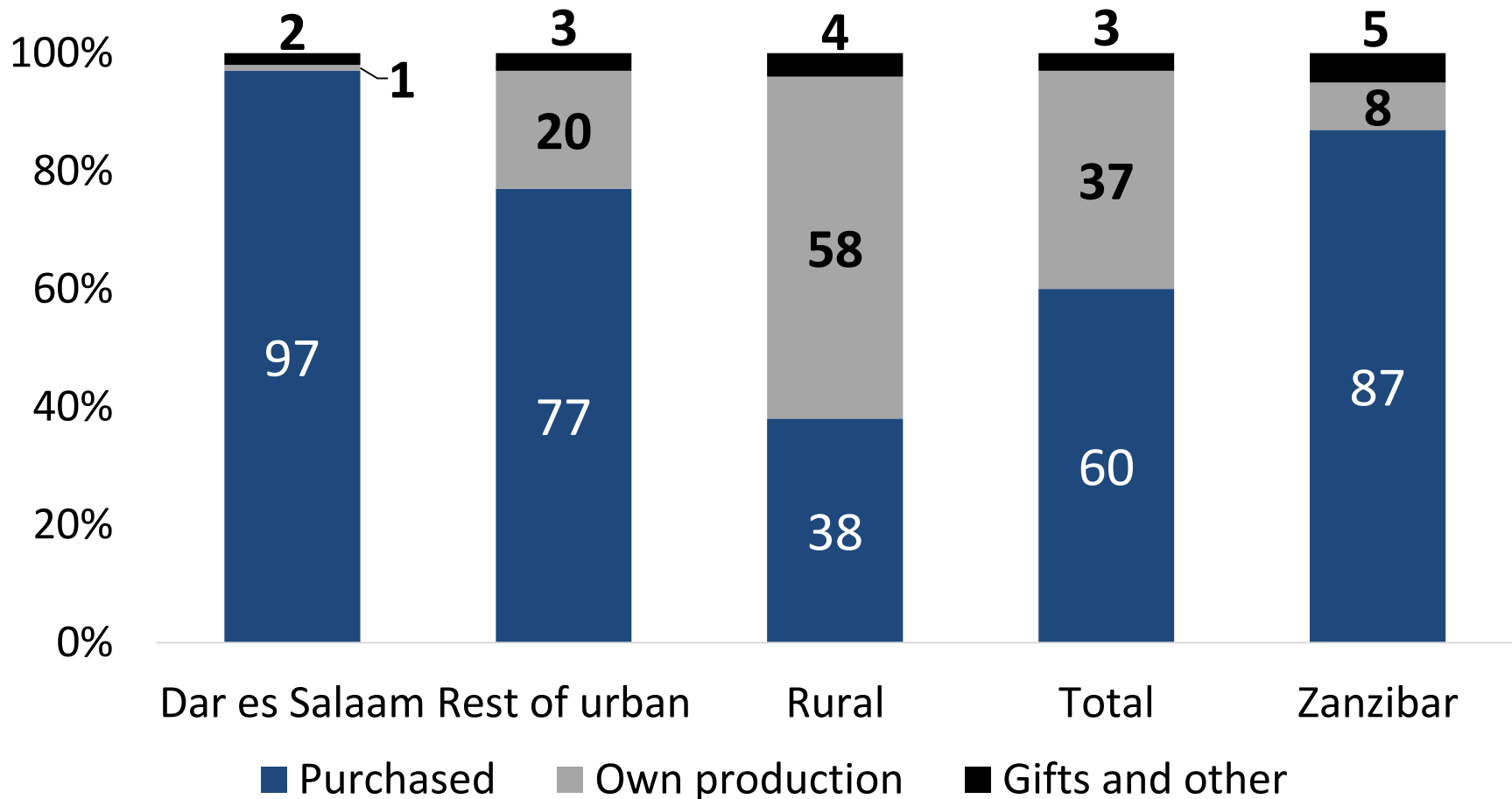
Nutrition situation analysis framework and decision tool

Markets
are an important platform
for improving access to
nutrient rich foods

Even in rural areas, households rely on markets for more than 1/3 of their energy intake

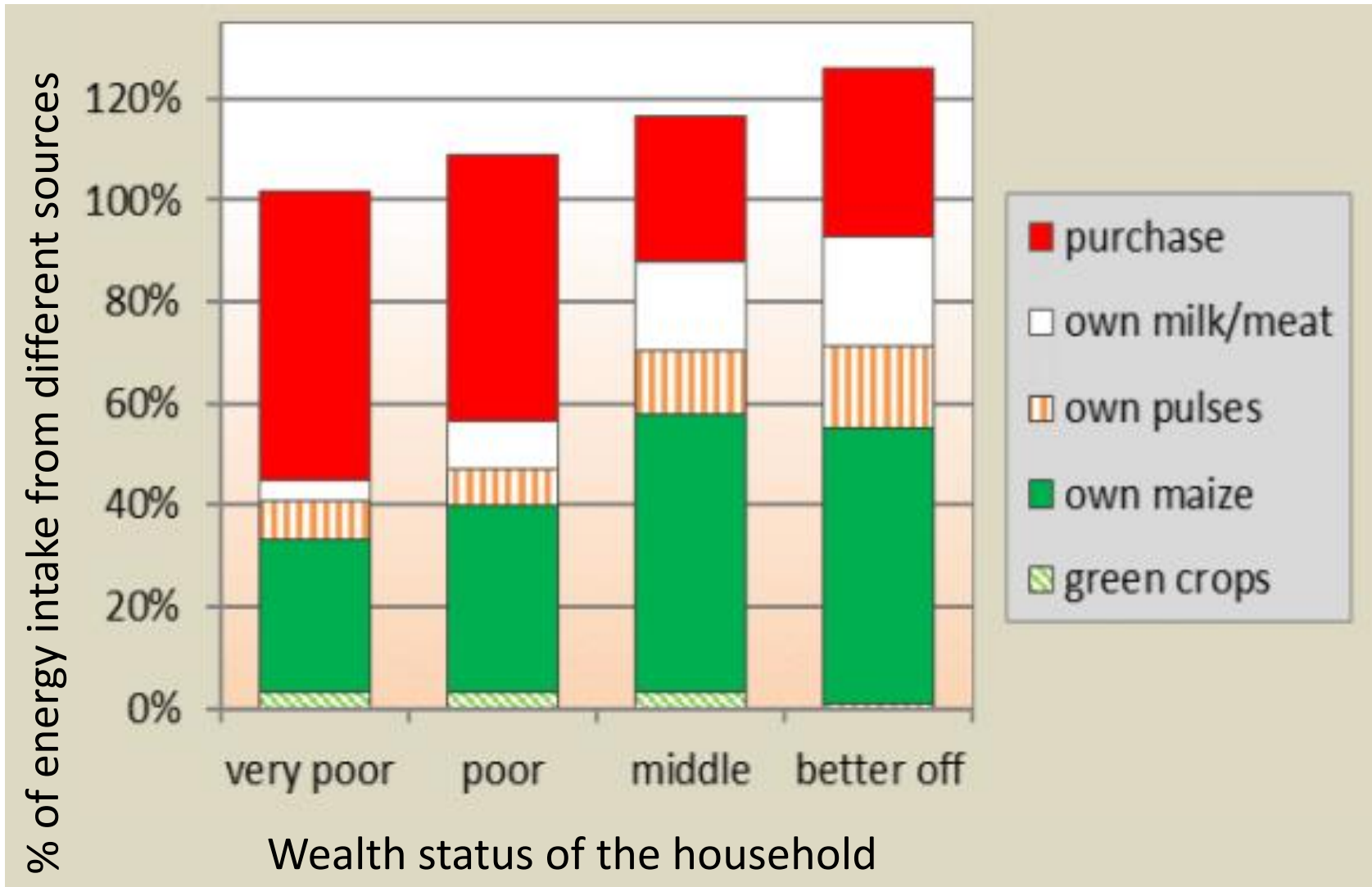
WFP CFSVA 2013

Sources of household calories, 2010-2011

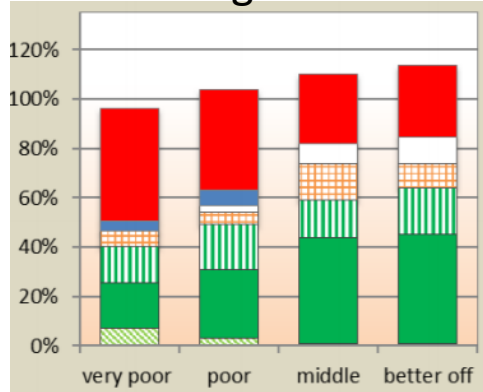


Poor households in particular rely heavily on markets

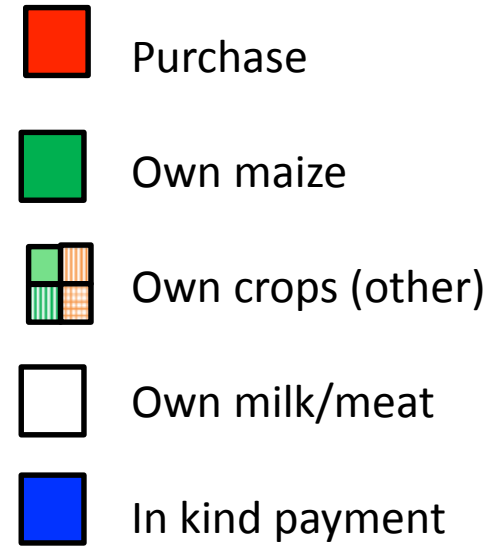
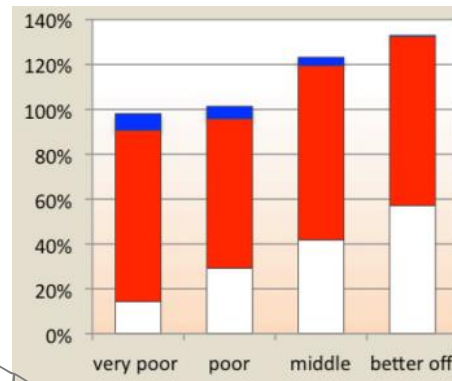
Tanzania Livelihood Baseline Profiles 2016



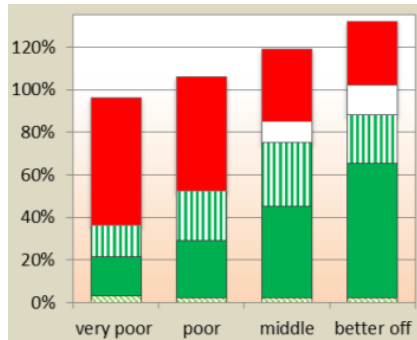
Tabora Singida Midland



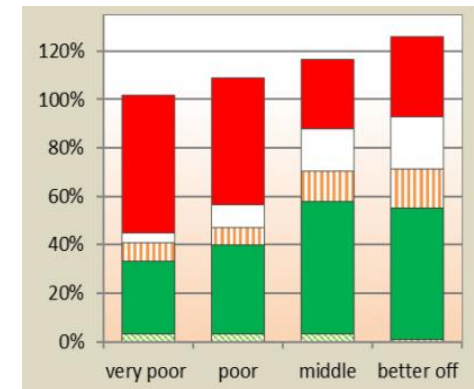
Northern Maasai Pastoral



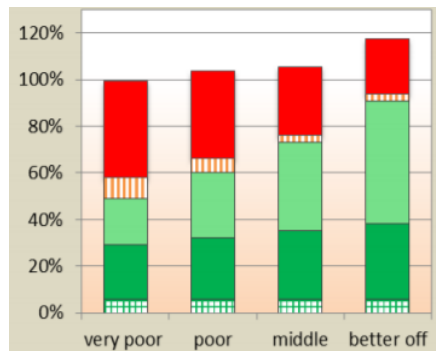
Kiteto-Kongwa-Mpwapwa-Mvomero



West Simanjiro-Monduli

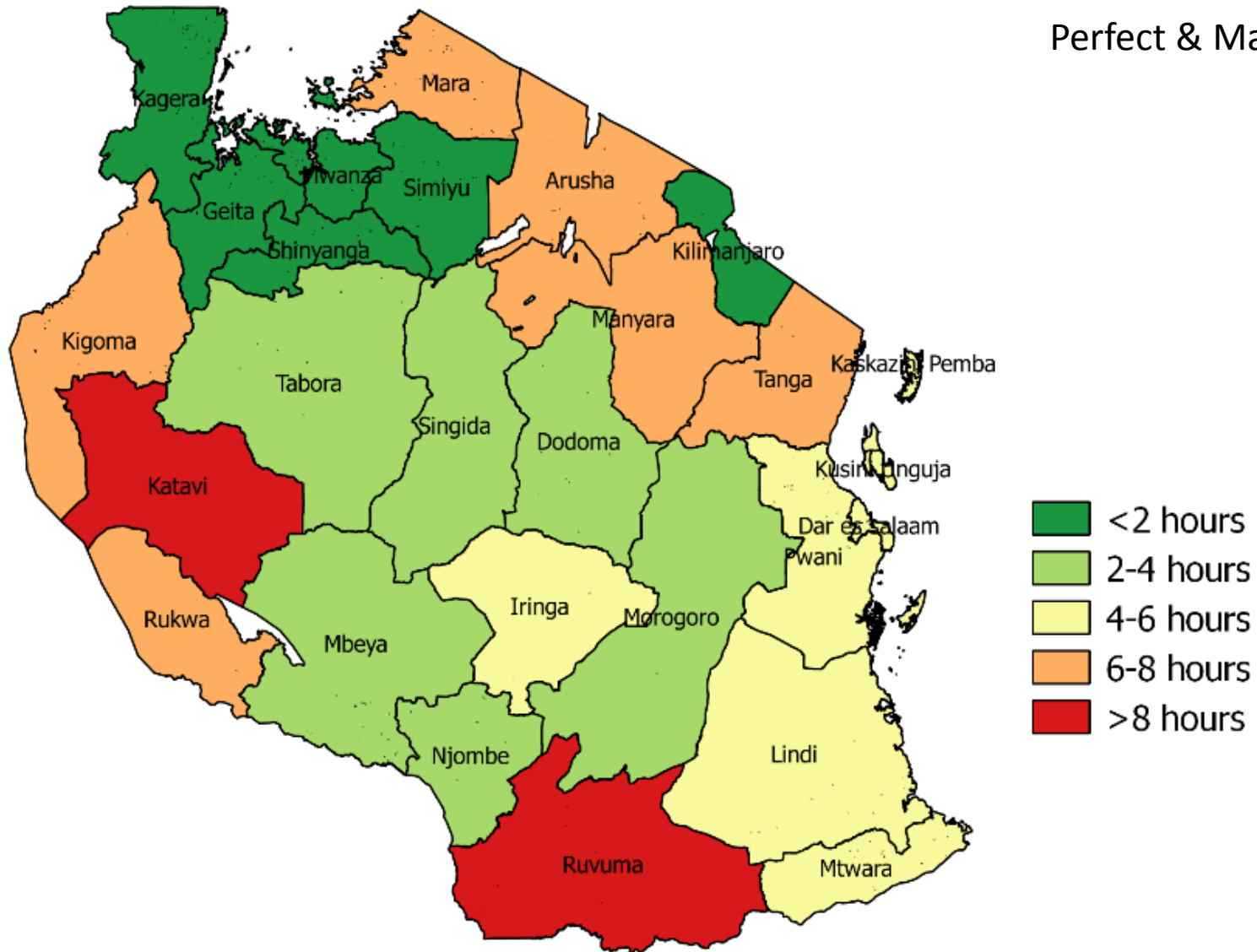


Kilombero-Ulangu-Lusewa



Lack of infrastructure restricts access to markets

Perfect & Majule 2010



KEY MESSAGE 6

Fill the Nutrient Gap

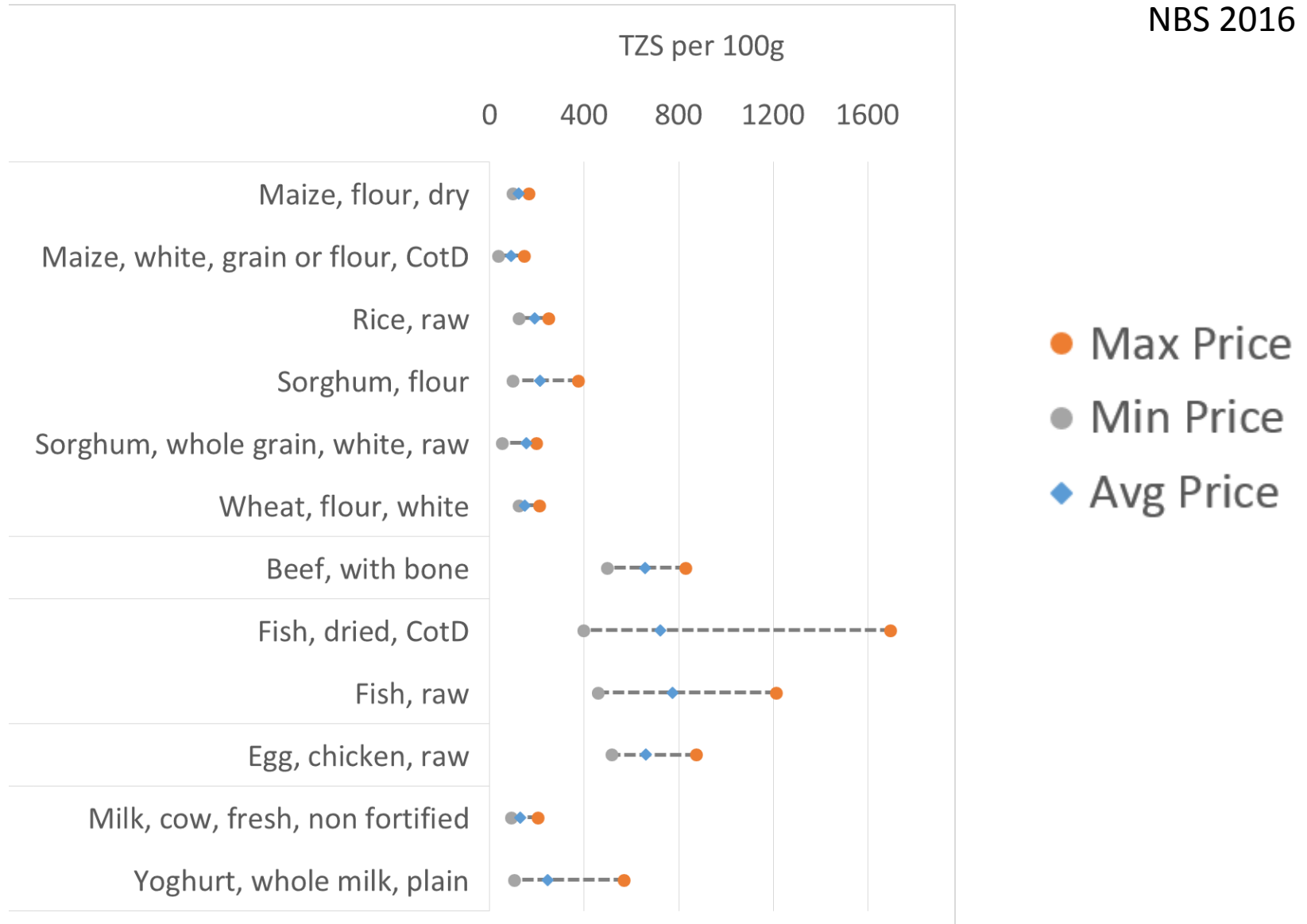


Nutrition situation analysis framework and decision tool

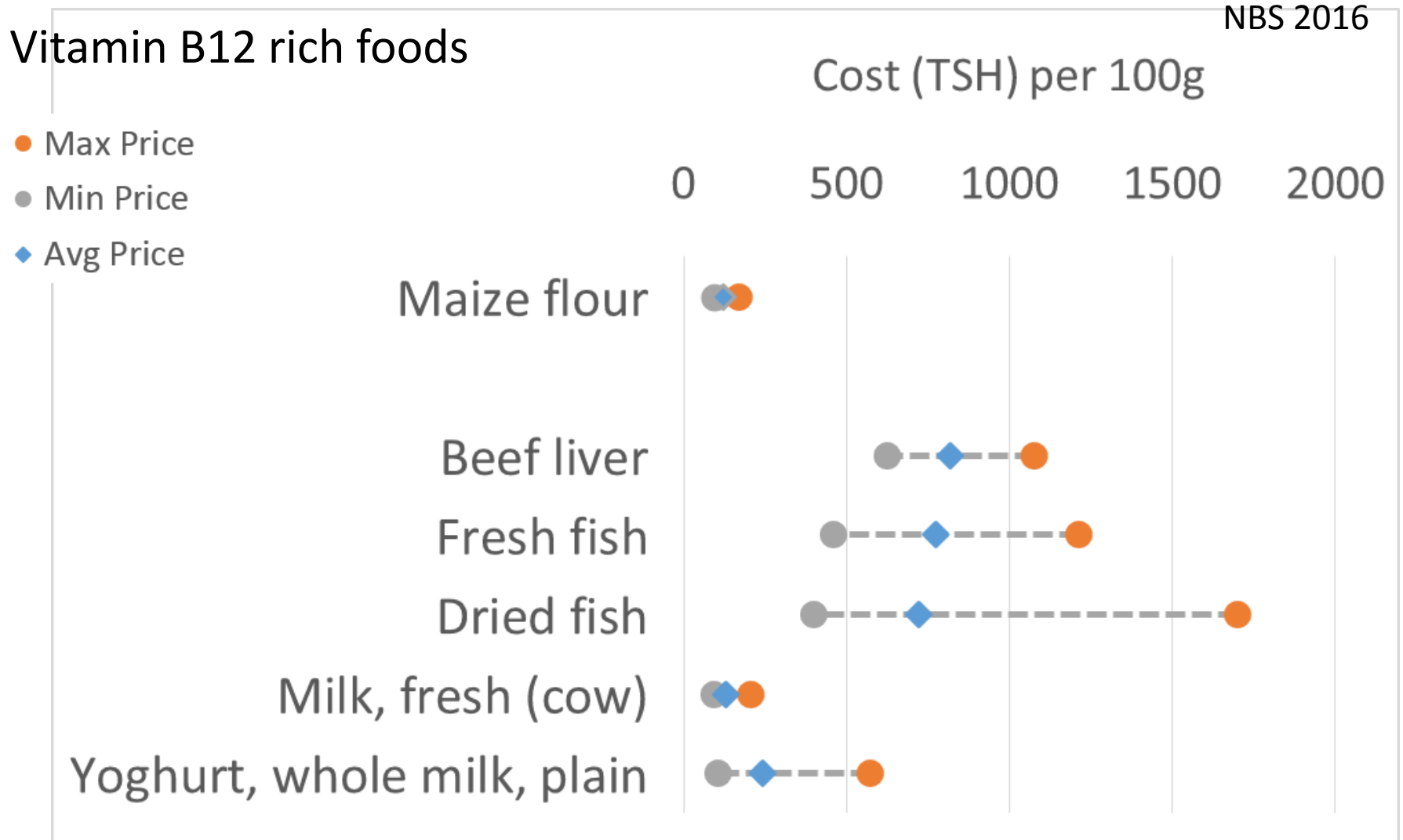
Diets that **meet the nutrient needs**
of different household members
are unaffordable
for poor households

Prices for most food groups vary widely across regions

NBS 2016



Foods rich in micronutrients are expensive, have variable prices and are perishable



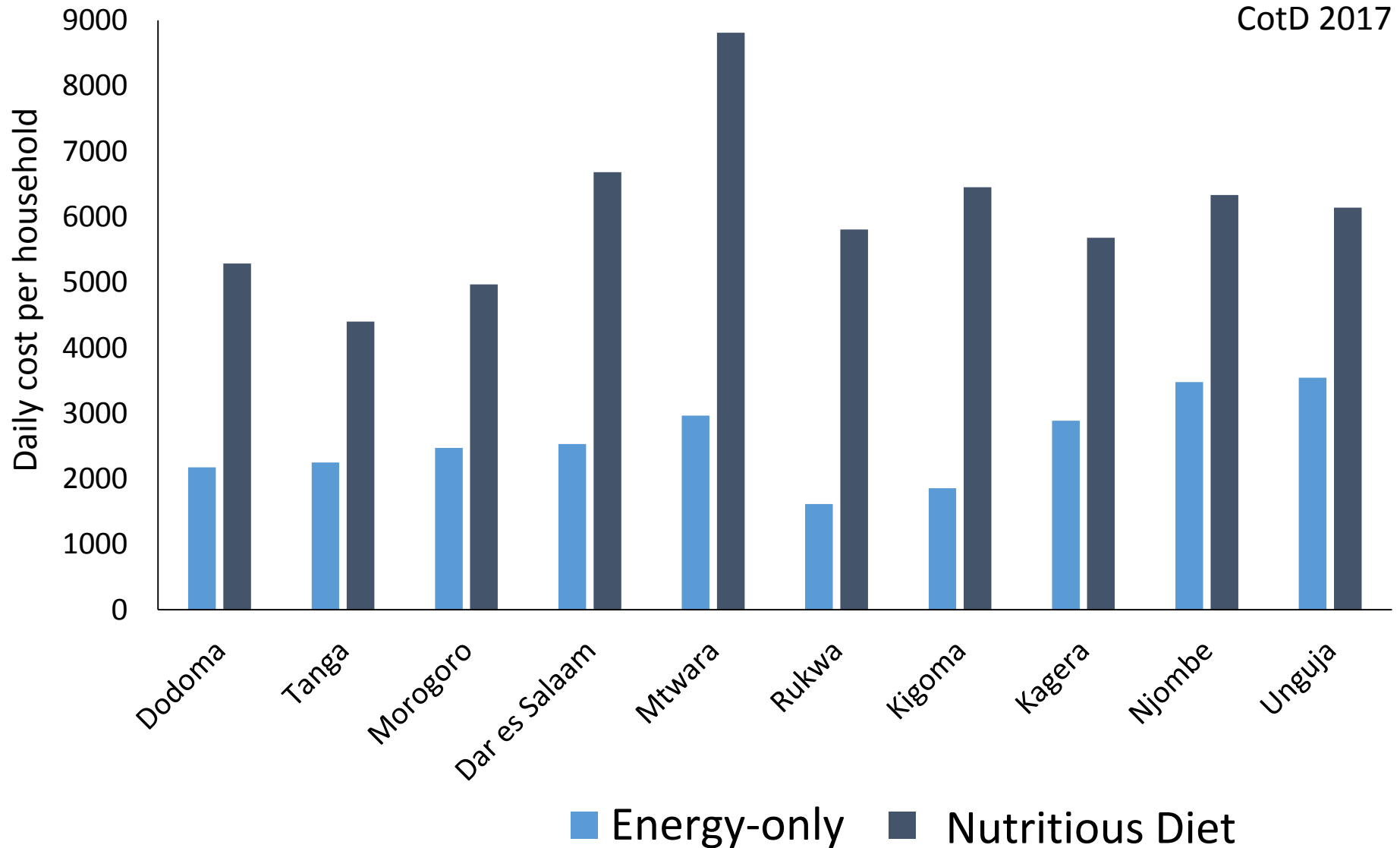
Prices for most food groups vary widely across regions

NBS 2016

- **Significant variation** in prices between regions and across most food groups.
- **Largest price variability:** Chicken, fish, yogurt, butter.
- **Maize:** Generally least expensive staple with prices fairly steady across regions
- **Rice and wheat:** Average 1.5-2.0 X more than maize
- **Meat:** >2 X cost of legumes.

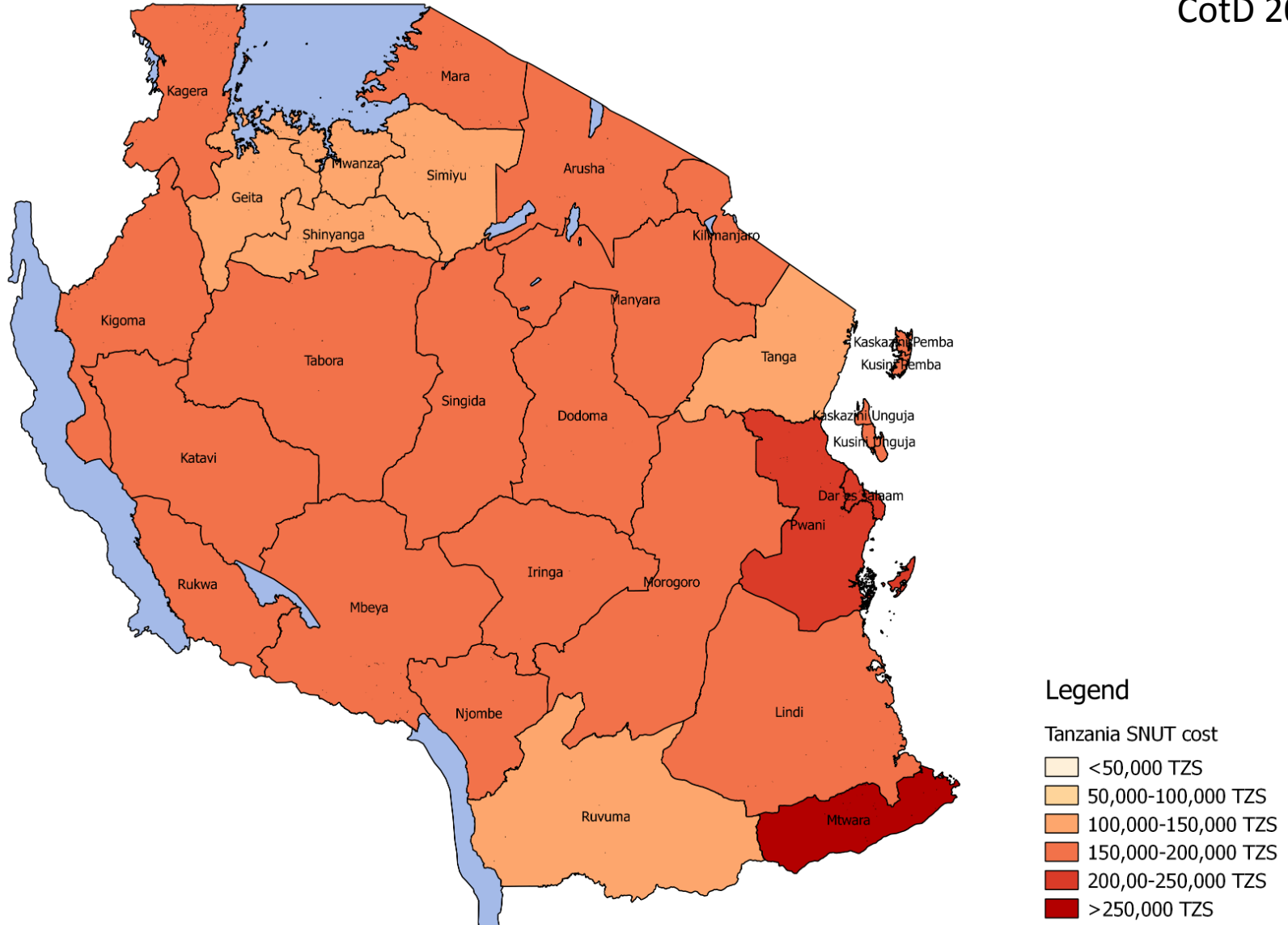
Nutritious diets are on average 2.5 times more expensive than diets that only meet energy needs

CotD 2017



Nutritious diet for 5 person households cost Between 100,000 – 200,000 TZS / month

CotD 2017



Poverty causes widespread food insecurity and households spend half their income on food

NBS 2014, OCGSZ 2016, CFSVA 2013

56% of expenditure is on food
70% poorest households

Poverty

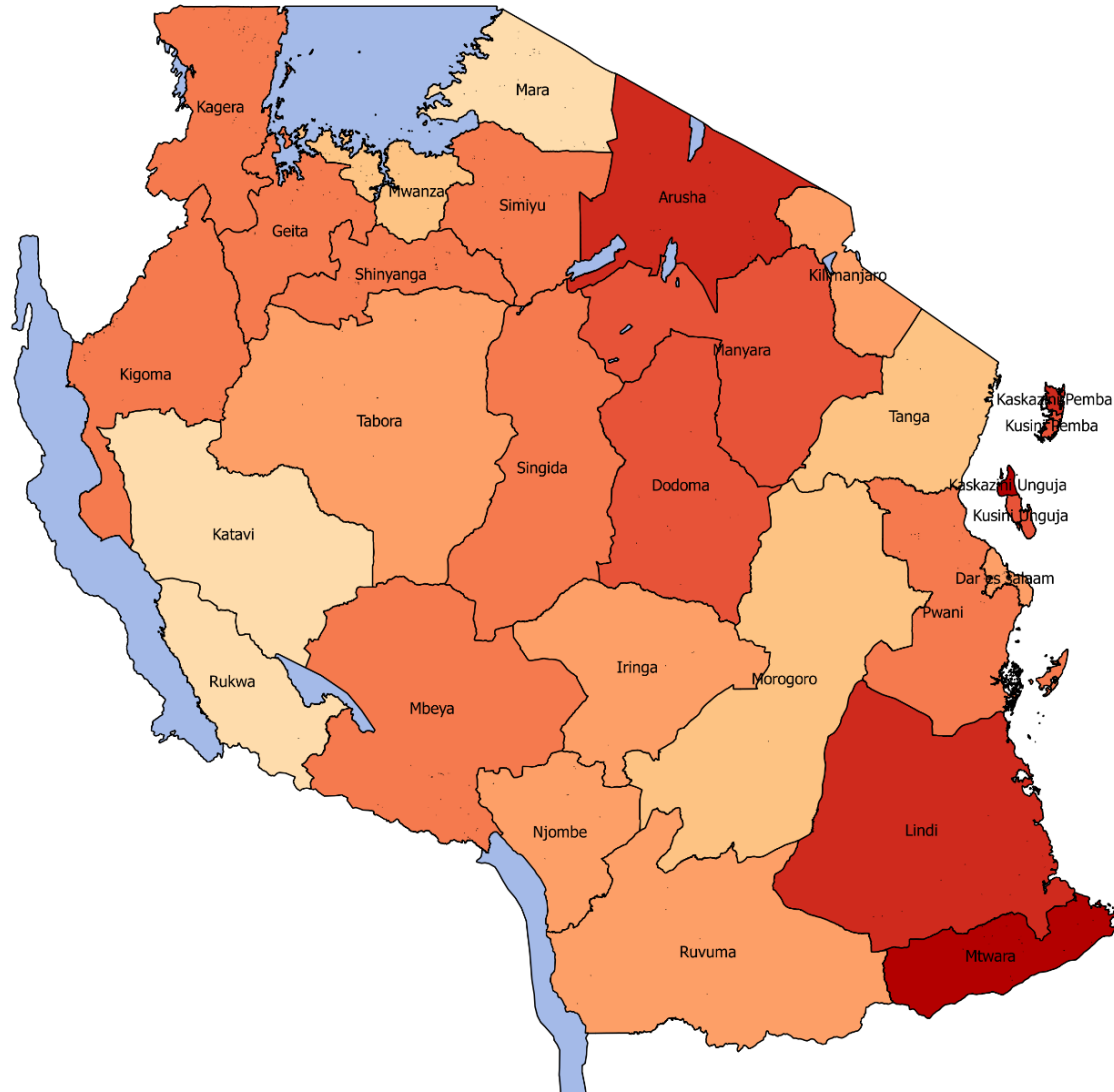
28% below basic needs poverty line (2011/12)
Disproportionately affects rural households
(Dar es Salaam 4% / Rural 33%)

Food insecurity

10% below food poverty line
8% households food insecure (2011)
15% high coping scores –
indicating severe food access issues

Non-affordability of meeting just energy needs high in the south and Arusha

CotD 2017



20% of households nationally

Legend

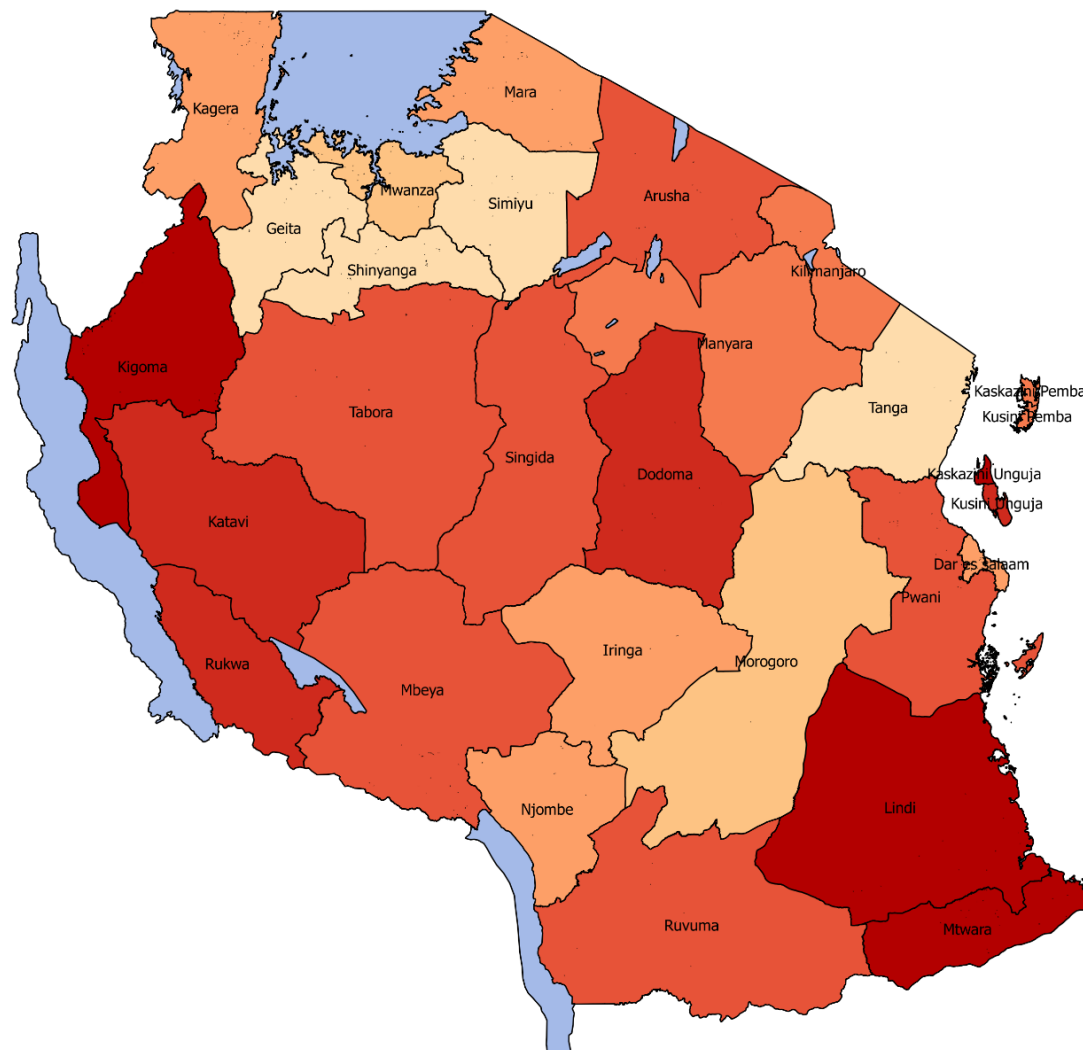
Non-Affordability Energy Only



59% of households cannot afford a nutritious diet

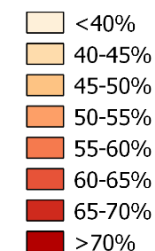
Non-affordability particularly high in south and west

CotD 2017



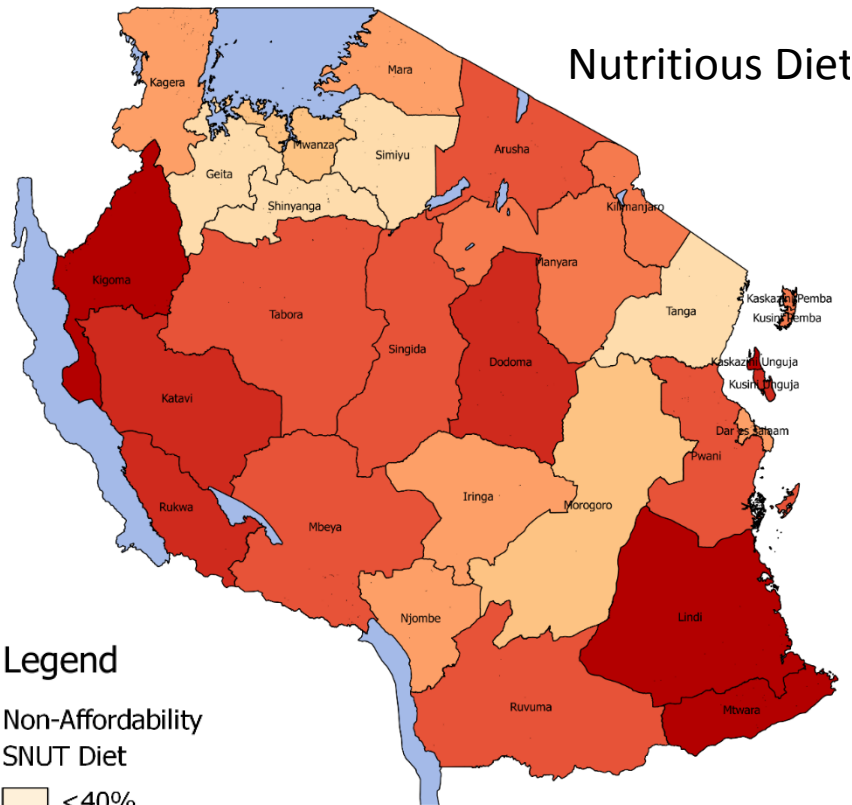
Legend

Non-Affordability
SNUT Diet

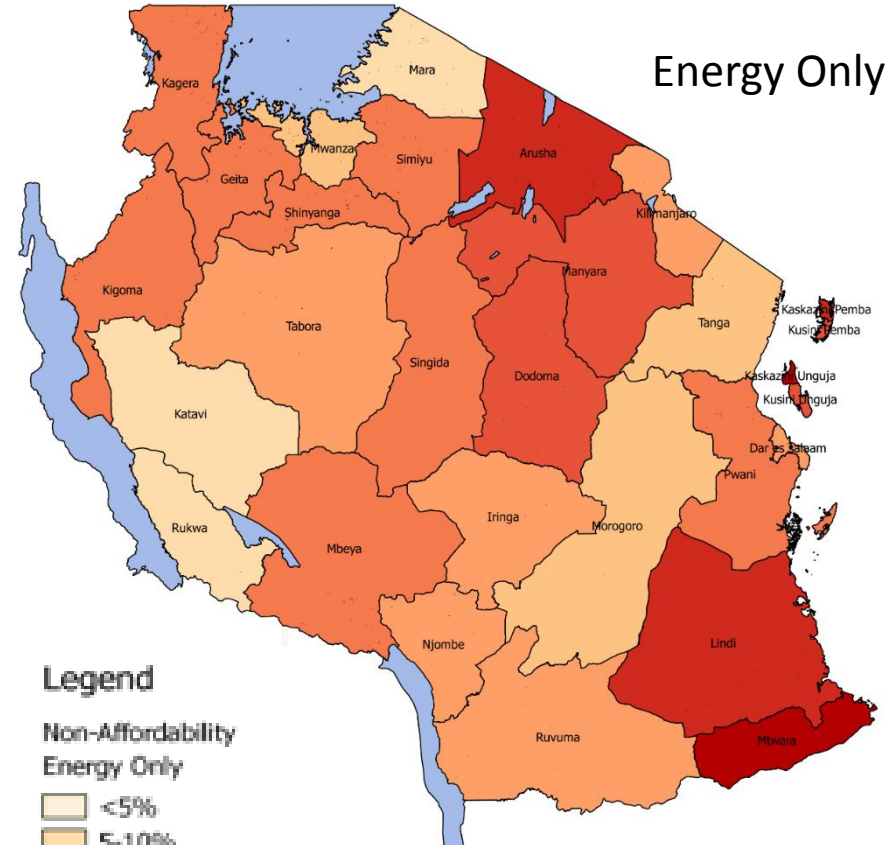
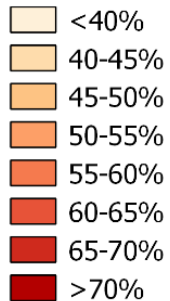


It is more difficult to afford a diet that meets nutrient needs than one that only meets energy

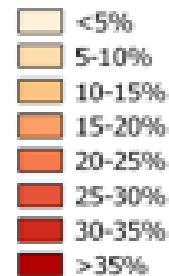
CotD 2017



Legend
Non-Affordability
SNUT Diet



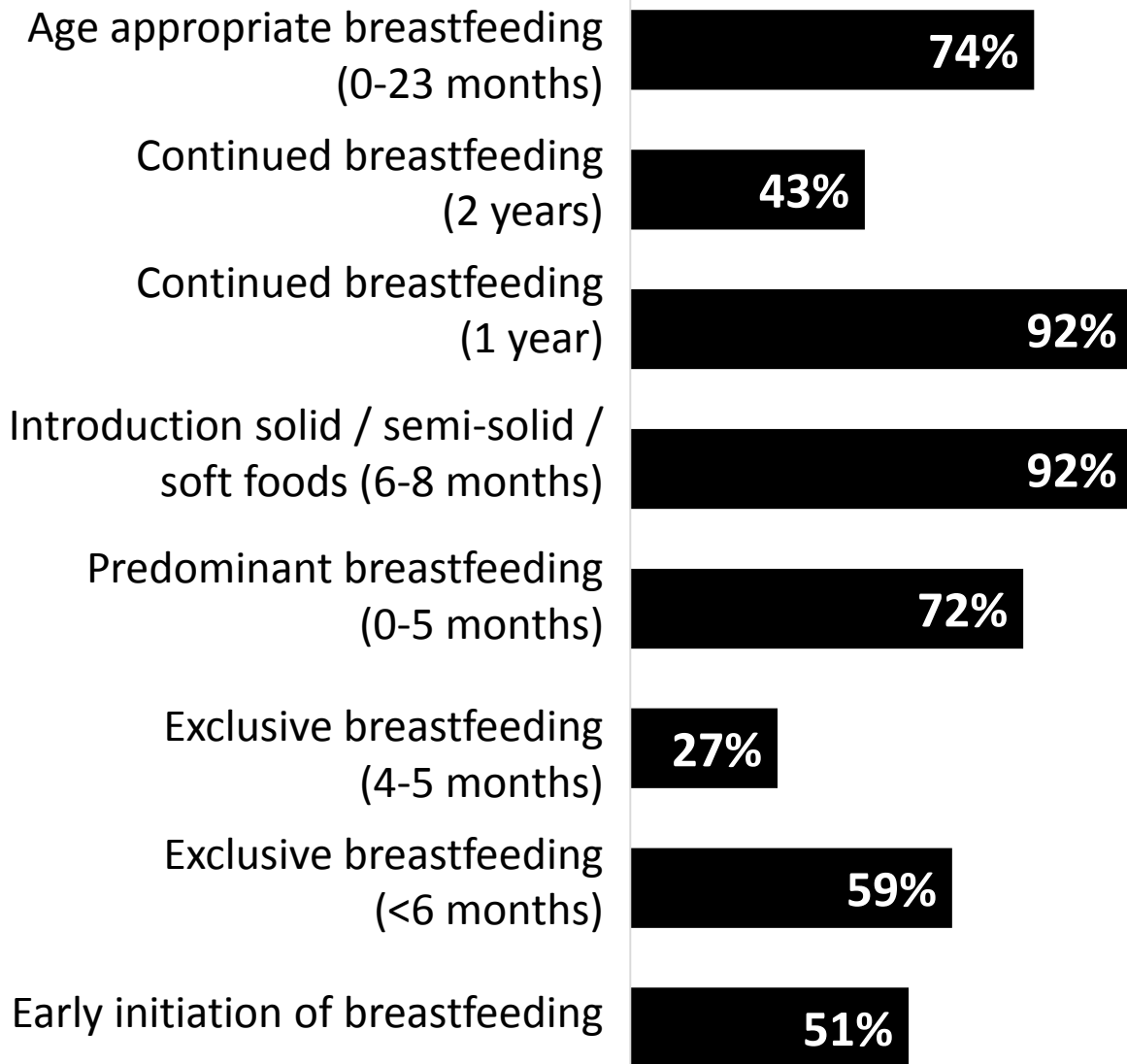
Legend
Non-Affordability
Energy Only



Infant and Young Children Feeding practices are inadequate country-wide

Key Barriers:

- Economic Access
- Time

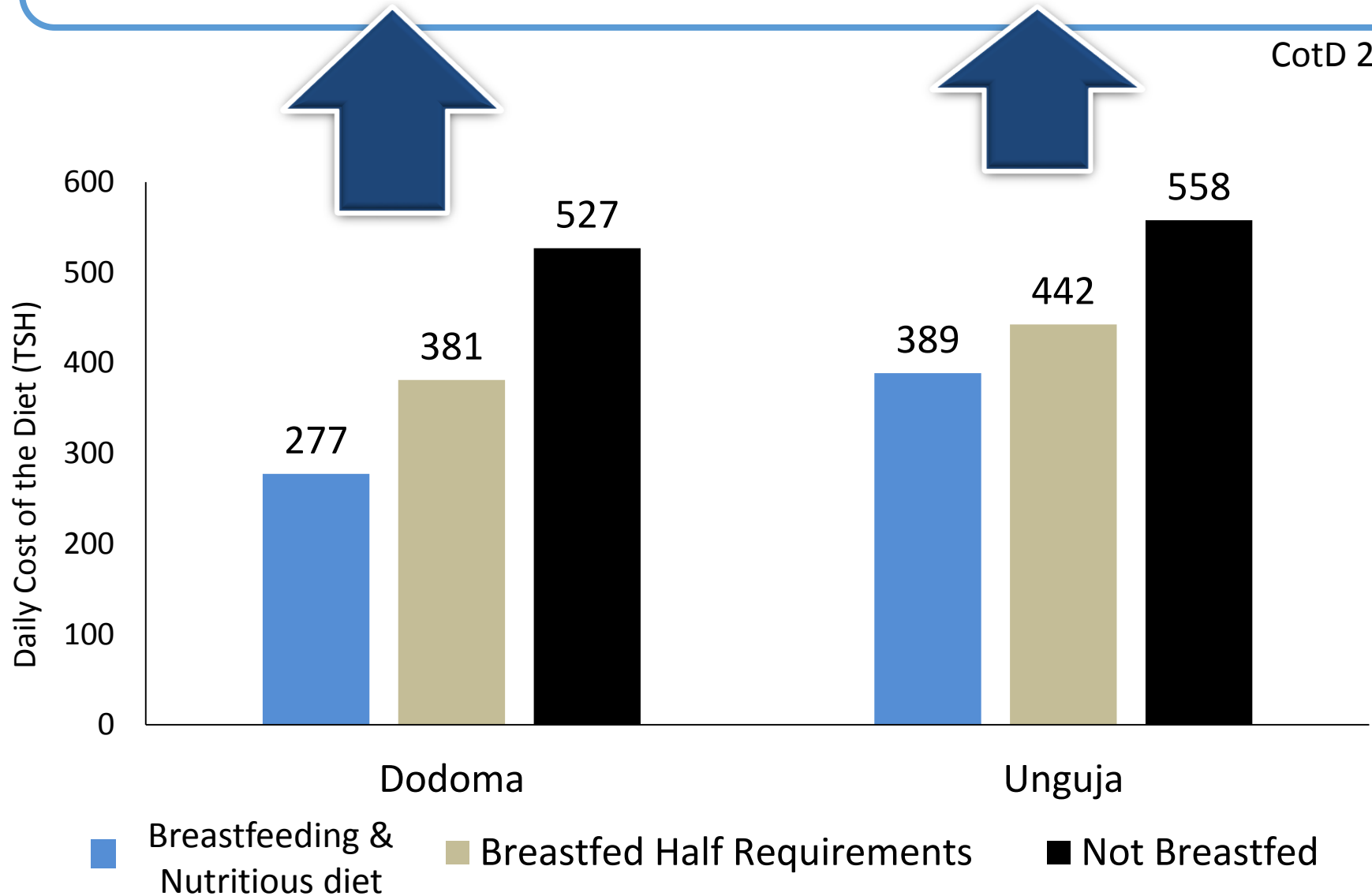


Exclusive breastfeeding does not last long enough

Complementary foods are introduced too early

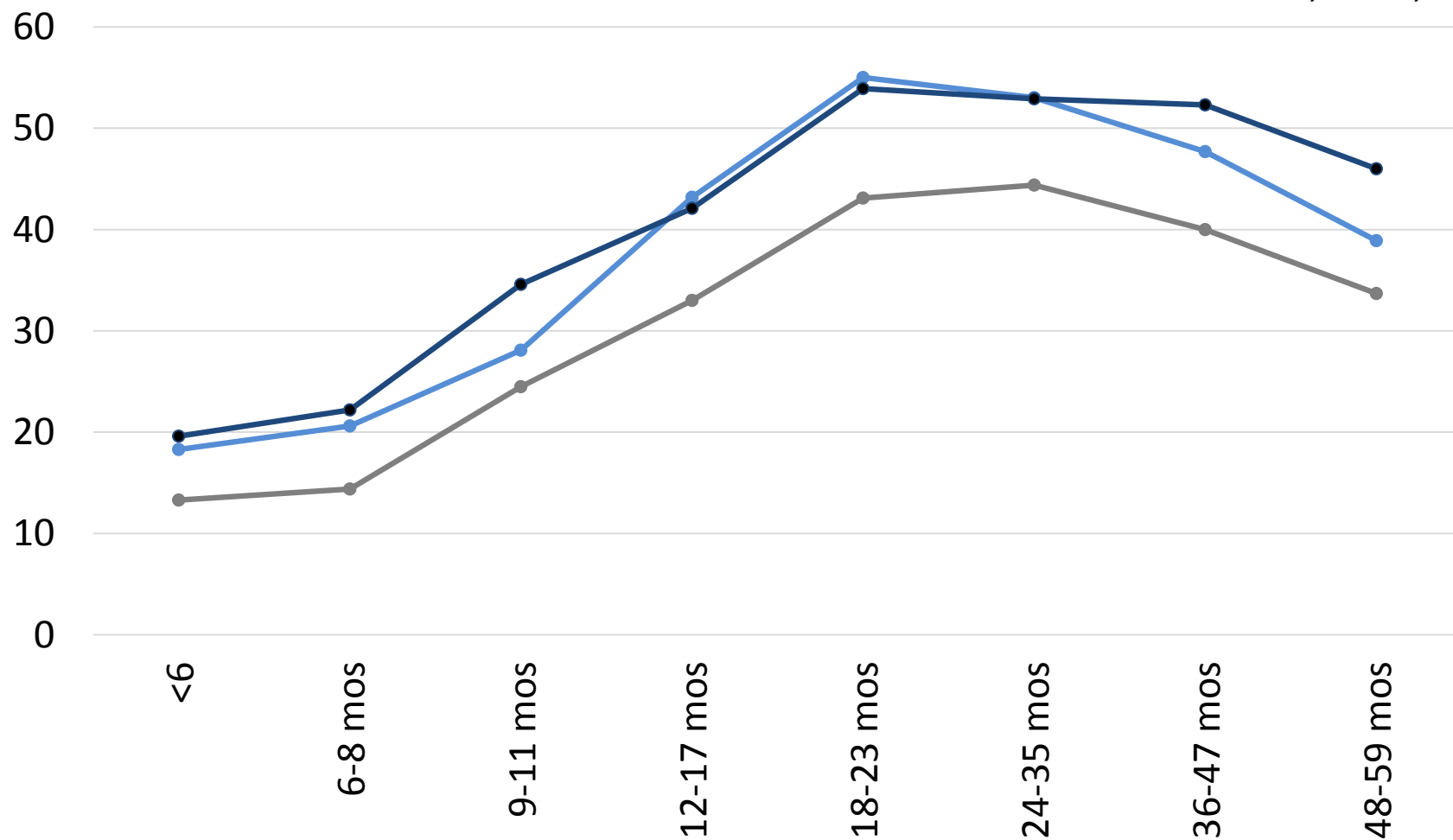
Not breastfeeding could dramatically increase the costs to feed a child 12-23 months

CotD 2017



Complementary feeding is a critical time

DHS 2005, 2010, 2015

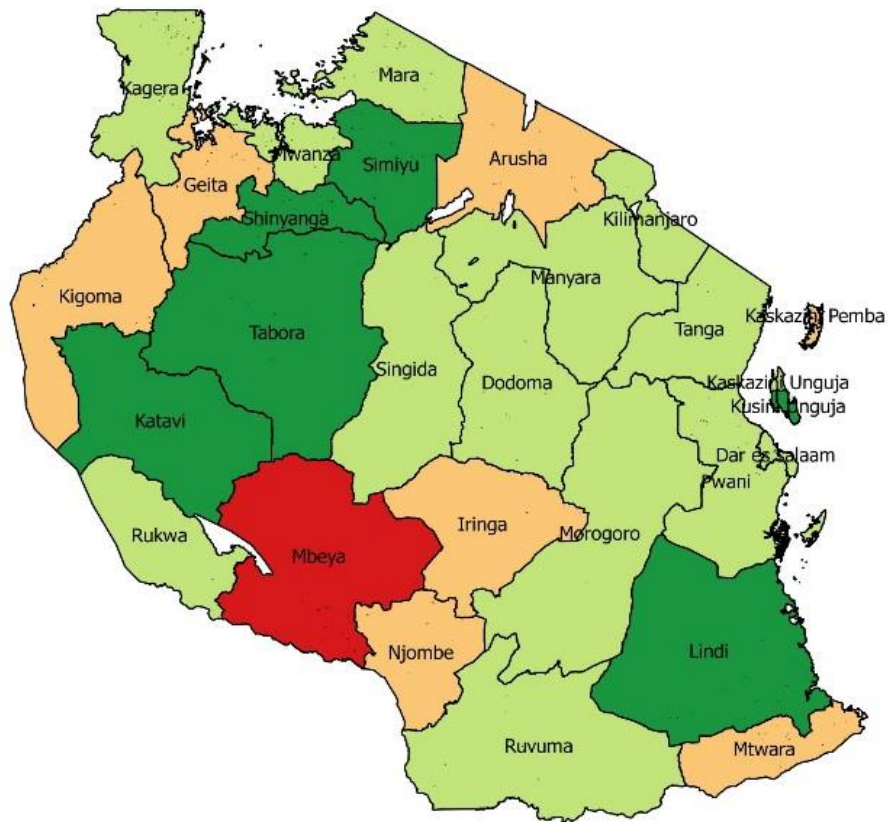


—●— Stunting prevalence, 2015 —●— Stunting prevalence, 2010 —●— Stunting prevalence, 2005

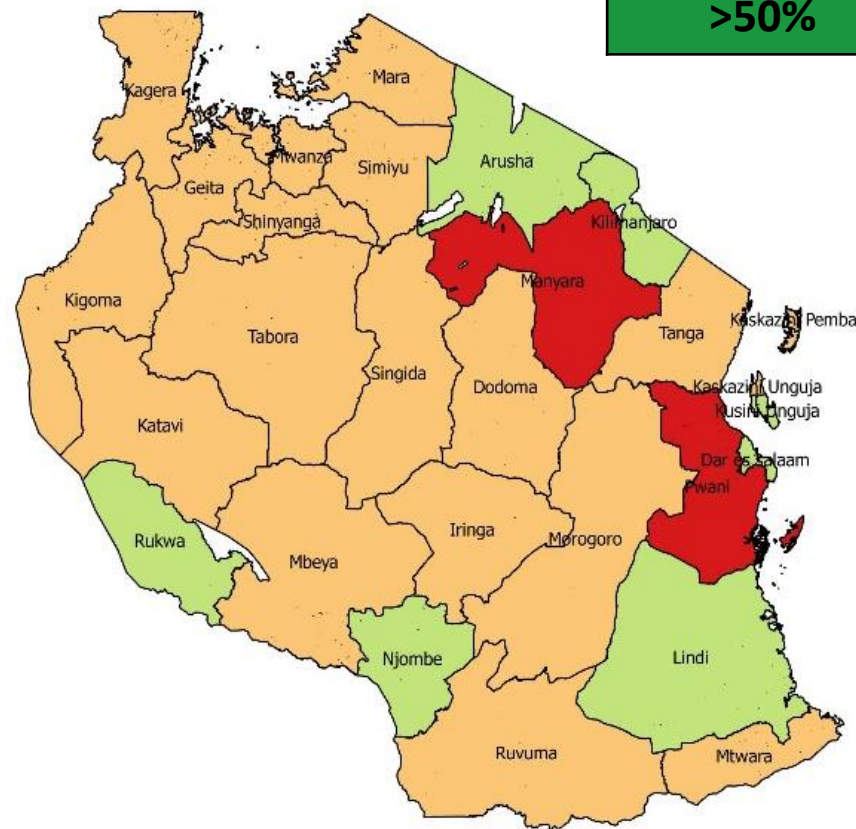
Minimal acceptable diet is very low in children 6-23 months National average 9%

Legend
<15%
15-30%
30-50%
>50%

DHS 2015



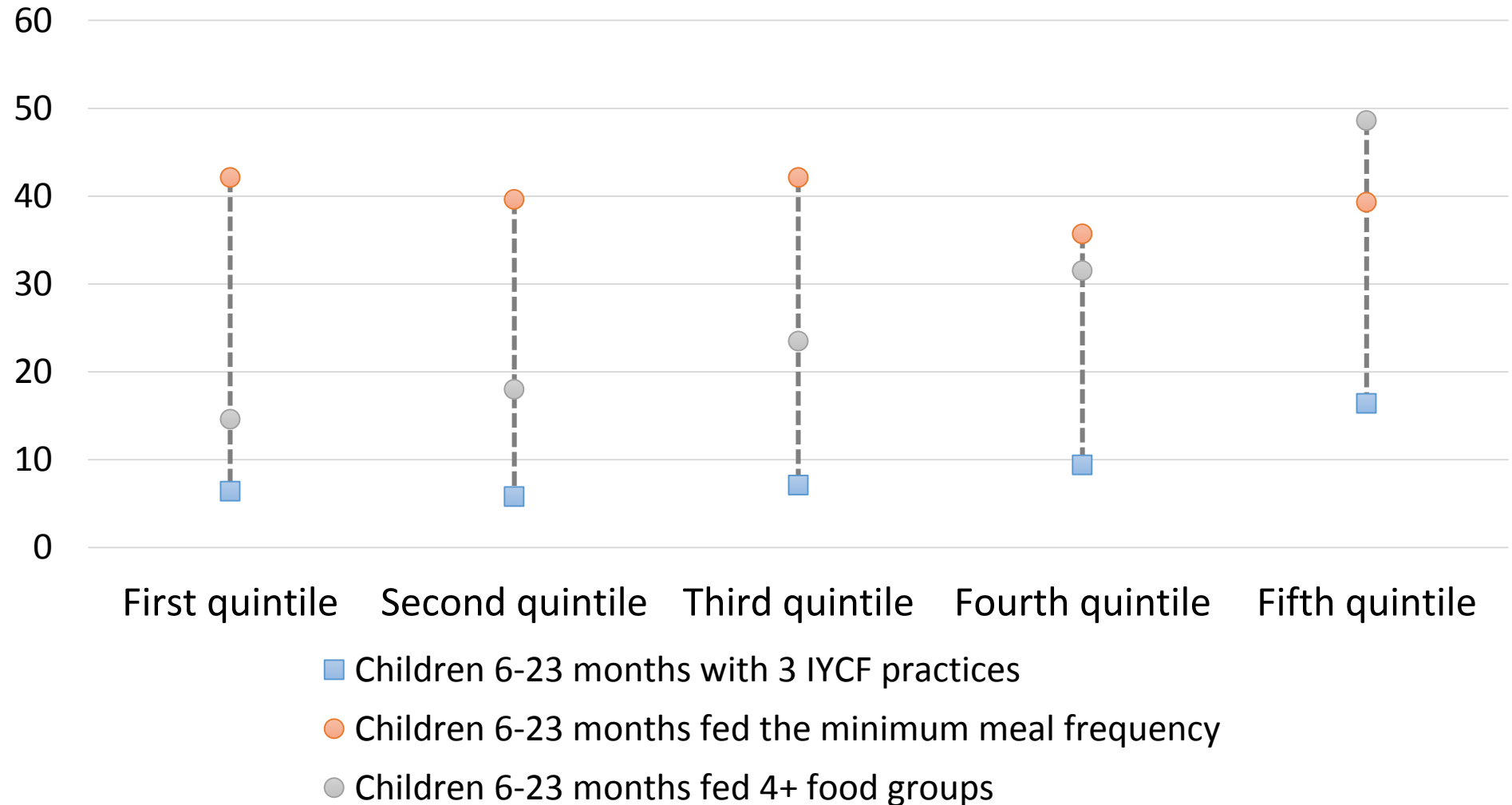
Minimum meal frequency



Minimum dietary diversity

Income plays an important role in achieving a diverse, nutritious diet

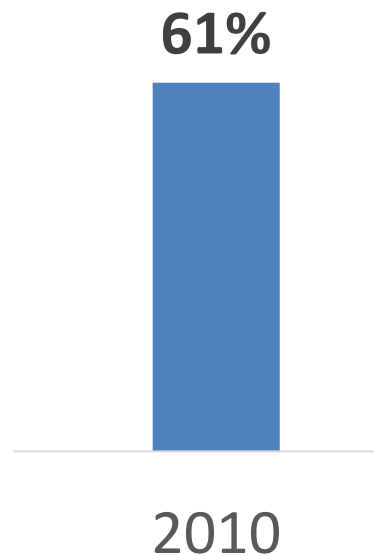
Minimum Acceptable Diet by Quintile, DHS 2015



Vitamin A supplementation indicates room for improvement

DHS 2010

Coverage
(children 6-59 months)



Large
regional
discrepancies

Evidence suggests that young children consume the same food as the household

Maliti 2016, DHS 2015

Study in 2 districts (Simanjiro/Longido):

- Children <5 mostly ate same foods as household.
- Separate food only prepared 1/4 (23%) of the time.
- Fewer than half (44%) ate from a separate plate.
- Children often did not eat meat or eggs (traditions/cultural beliefs).

Nationally:

- Children 6-23 months often did not consume meat, eggs, cheese, yogurt, or milk products.

Lack of time and awareness are barriers to good nutrition for children

Remes 2017

Barriers to appropriate feeding:

(ASTUTE study in 5 districts)

- **Insufficient time** to prepare special meals.
- **Fears** that if children become accustomed to too much food they will be unable to cope during shortages.
- **Lack of knowledge.**
- **Men less informed than women** and do not provide sufficient support for exclusive breastfeeding or appropriate complementary feeding.

Consumption of inappropriate foods by children a growing concern

ARCH 2015

ARCH labelling study:

- Identified 8 categories of
Snack foods commonly fed to children <2 years:
Biscuits-cookies / Cakes / Candy-sweets-chocolate / Chips-crisps / Yogurt / Soft drinks / Other sweetened beverage / Other products including soy flour porridge, milk powder, and cream cheese.
- **Imported commercially produced foods for general consumption** (snacks) that are often fed to young children were up to 9 X cheaper than imported commercially produced complementary foods.

Modelling to improve access to nutrients

CotD 2017

Children 6-23 months

Intervention	Transfer Modality	Possible Entry Points
SQ-LNS (Specialised Nutritious Food)	In-Kind/Voucher Market (100 TSH)	<ul style="list-style-type: none">• Health• Social Protection• Markets (Private Sector)
Multi-Micronutrient Powder (MNP)	Voucher/In-kind Market (100 TSH) Market (200TSH)	

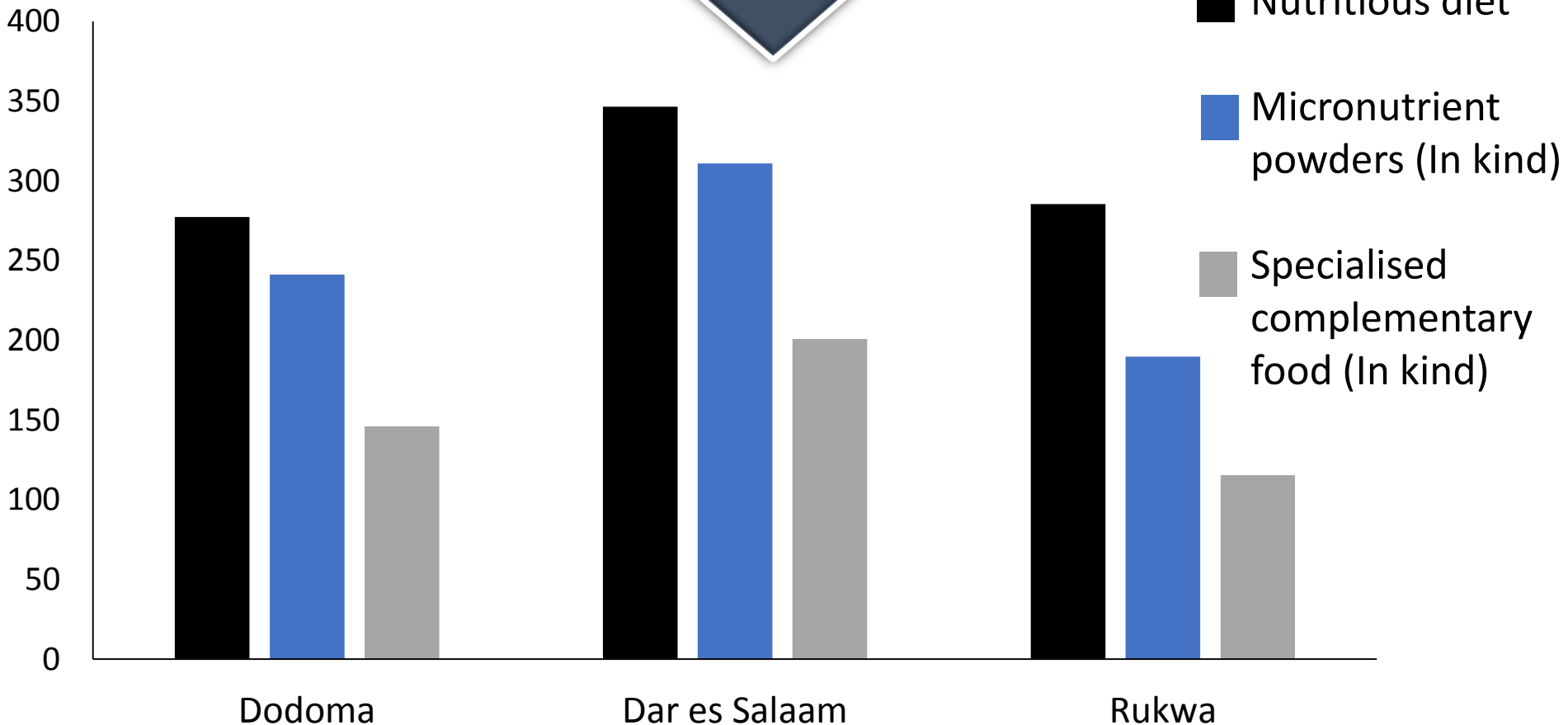
Child 6-23 months:

Specialised Complementary Food given in kind is highly effective in reducing the cost of the diet

50%

CotD 2017

- Nutritious diet
- Micronutrient powders (In kind)
- Specialised complementary food (In kind)



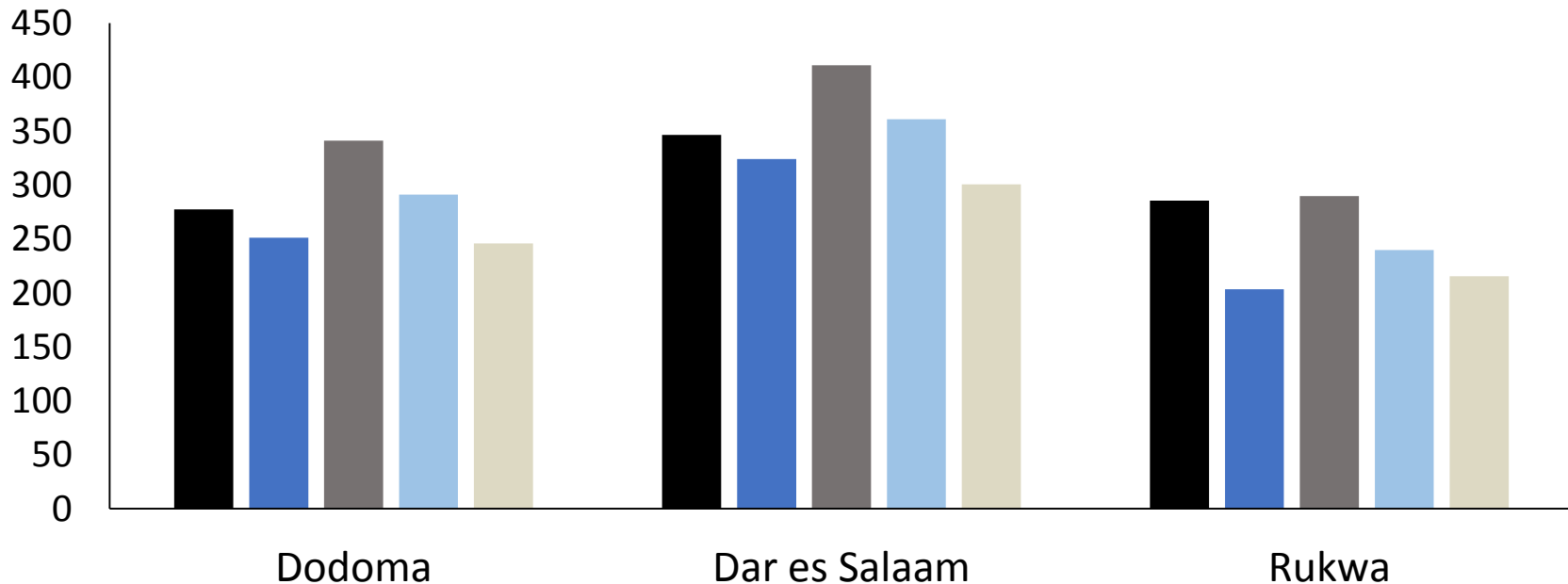
Child 6-23 months:

Market based interventions can be effective at reducing costs but the price points need to be considered carefully

CotD 2017

MNP at 200 TSH is $\pm 1/3$ of the cost of the diet

- Nutritious diet
- Fortified maize
- Micronutrient powder TZS 200
- Micronutrient powder TZS 100
- Specialised complementary food (market price)



KEY MESSAGE 8

Fill the Nutrient Gap

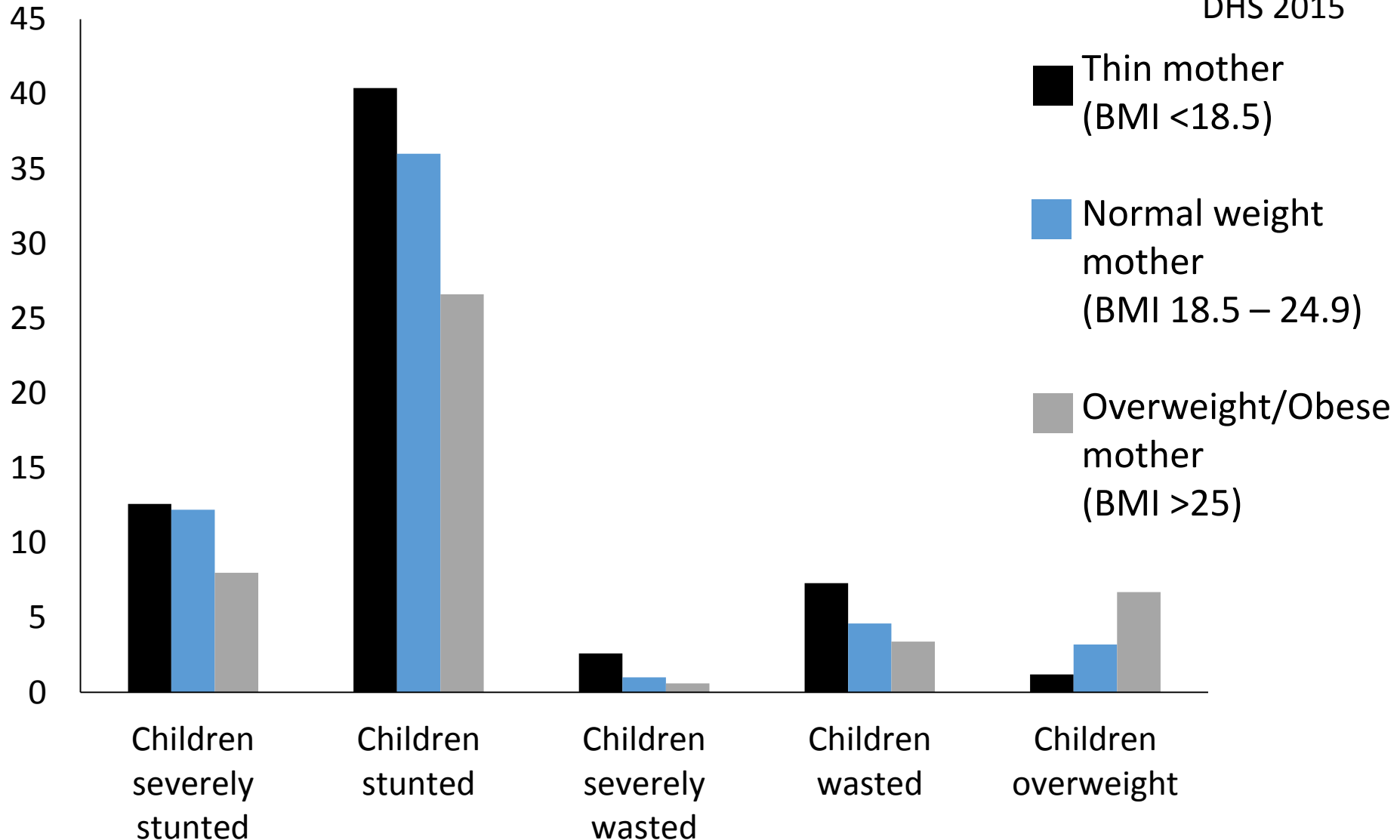


Nutrition situation analysis framework and decision tool

The diets of
women and adolescents girls
are poor

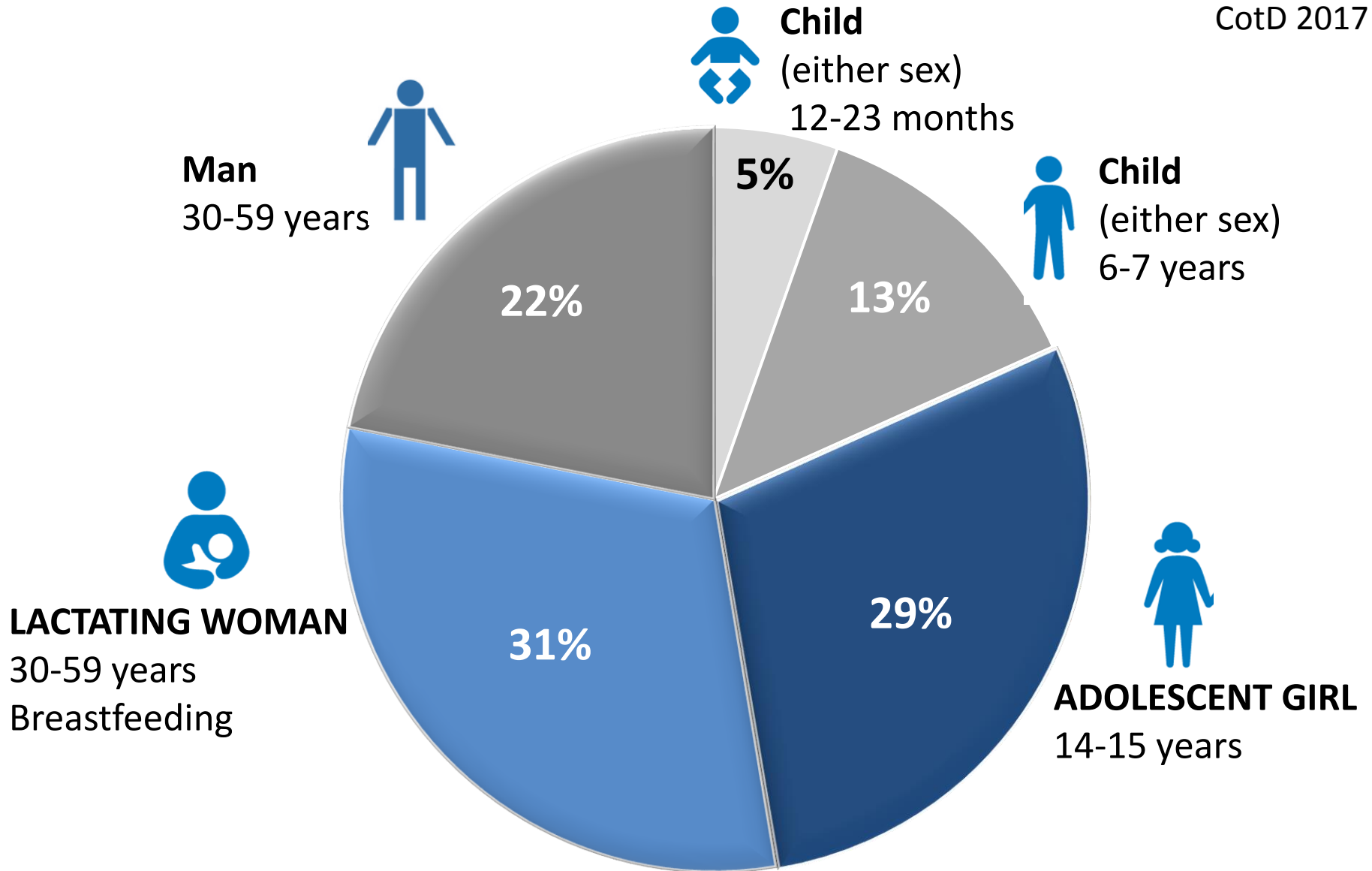
The nutritional status of women is associated with children's nutritional status

DHS 2015



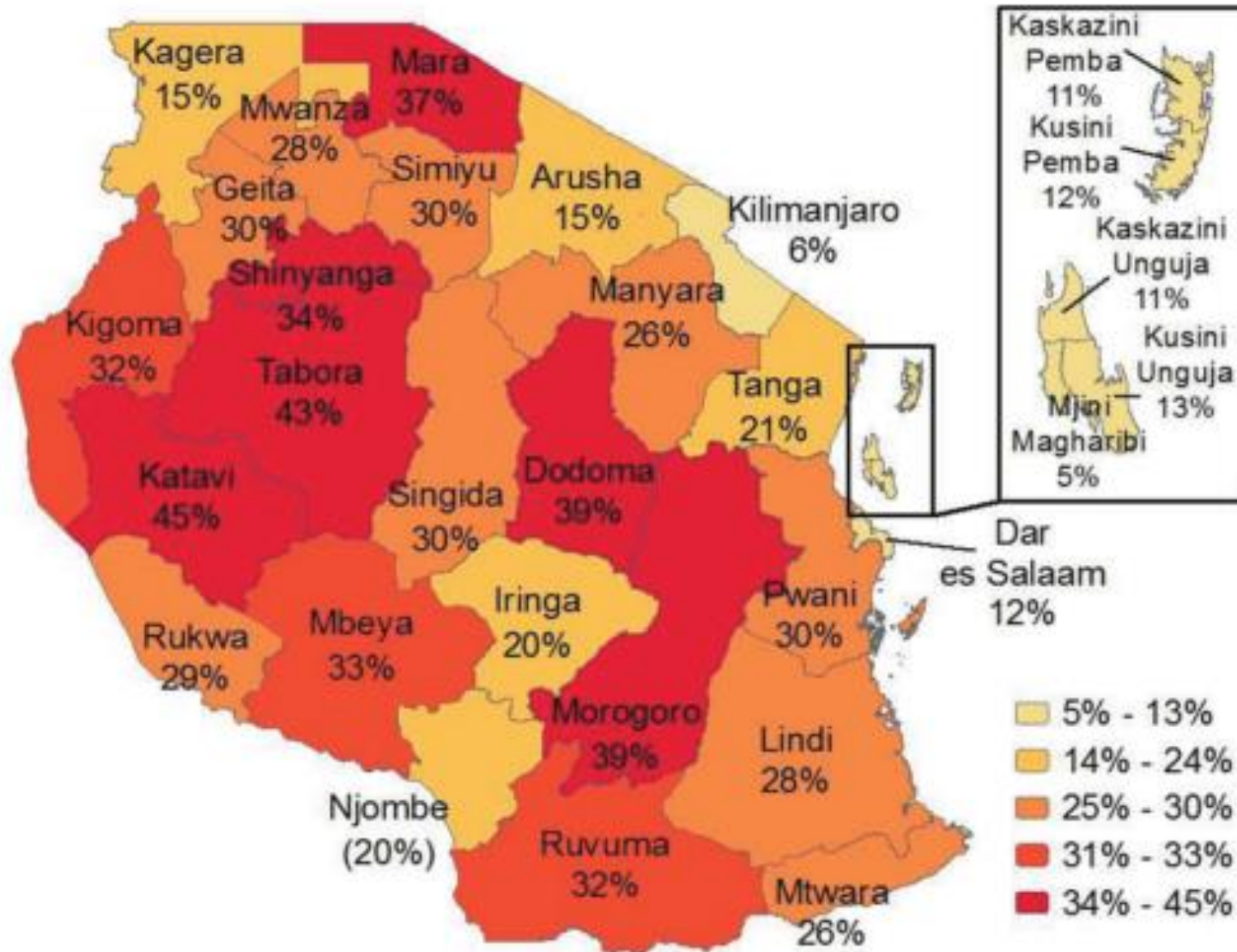
Breastfeeding women & adolescent girls contribute to 60% of household's diet costs

CotD 2017



½ of women begin childbearing before age 20
¼ are pregnant between age 15-19 years

DHS 2015-16

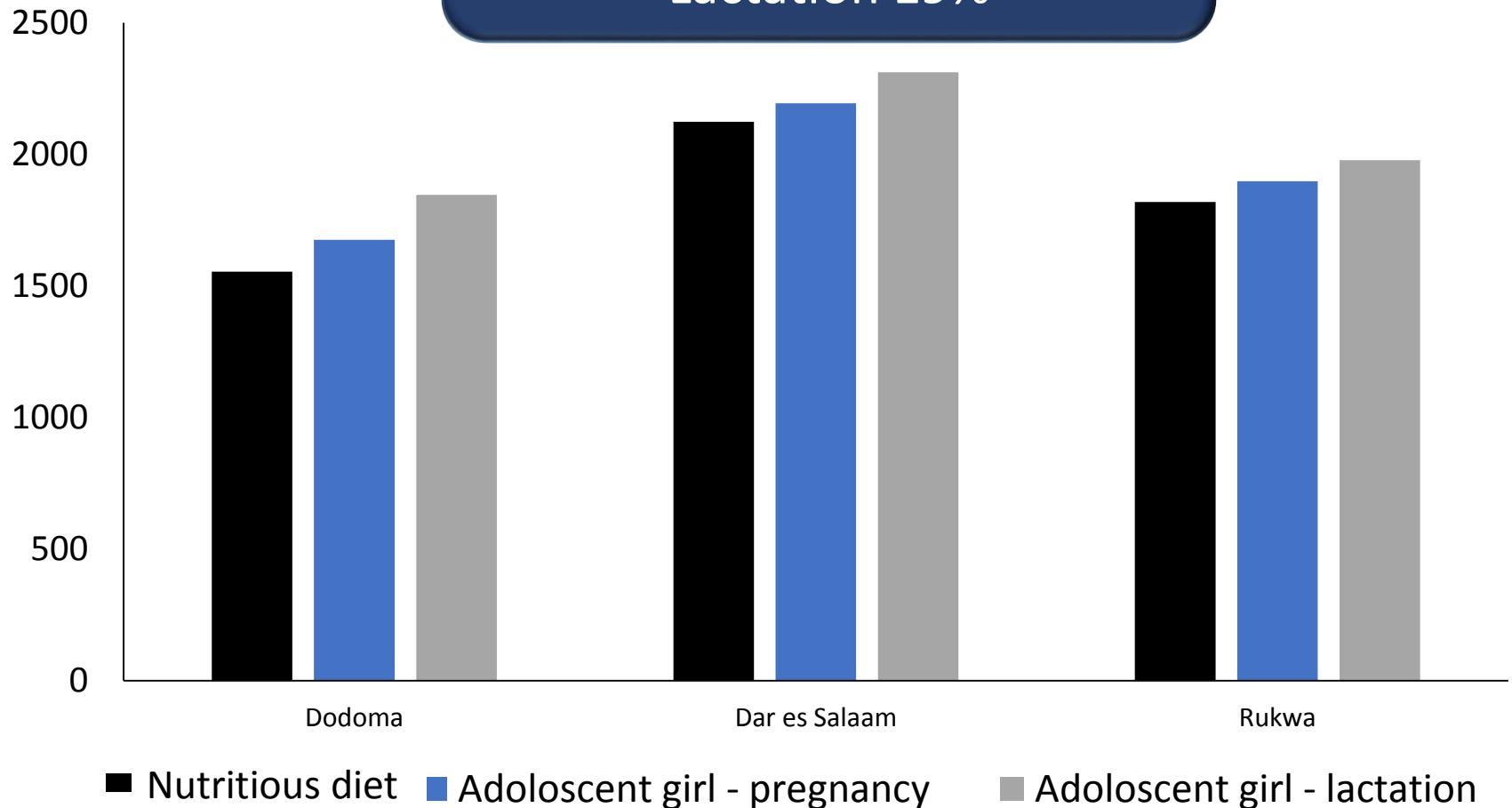


Meeting the needs of adolescent girls is already expensive

Pregnancy/lactation increases diet costs and vulnerability

CotD 2017

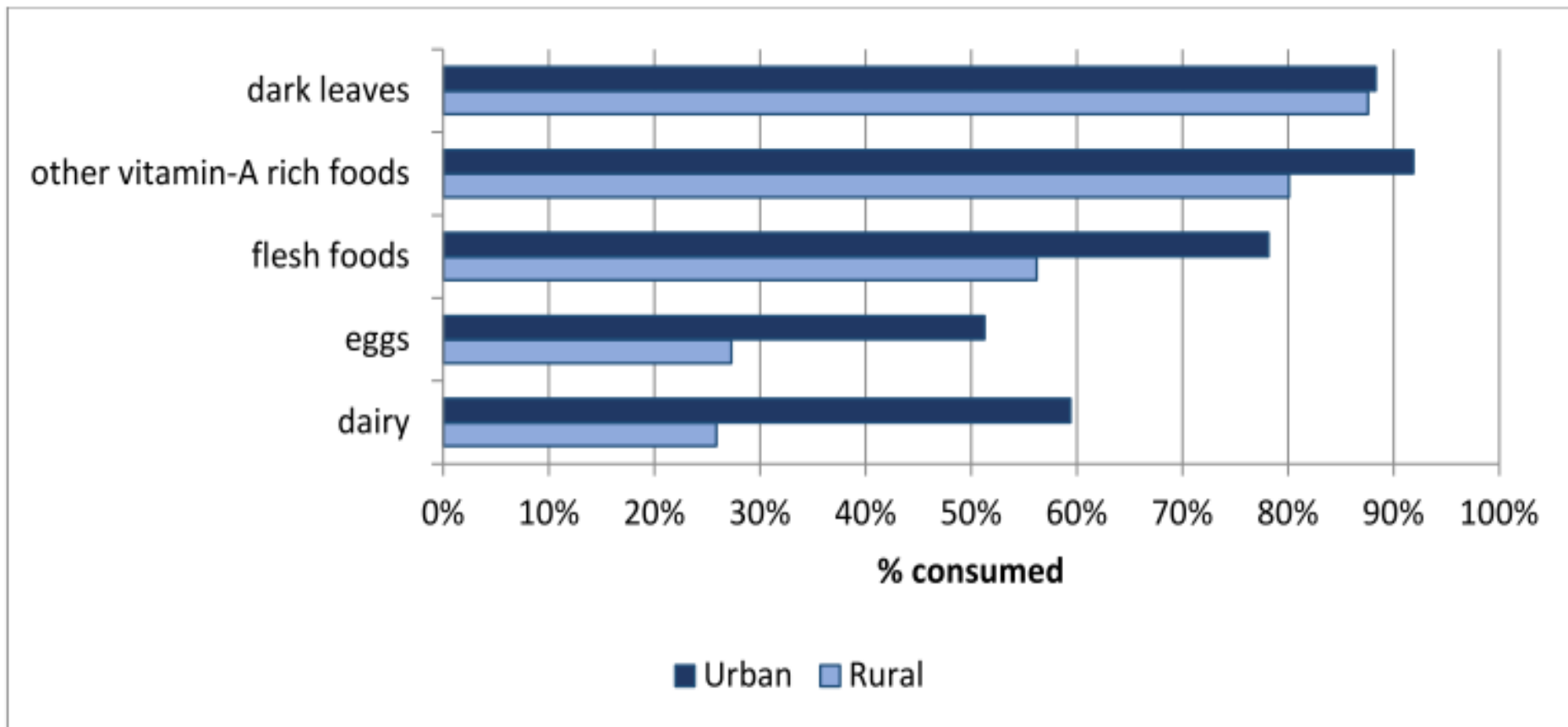
Diet cost increases by up to:
Pregnancy 7%
Lactation 19%



75% of women (in 2 regions) met dietary diversity Higher in urban than rural areas

Smith & Kaishozi 2016

Consumption of single food groups by rural and urban areas (in %)



Time, knowledge and costs are barriers to good nutrition for women

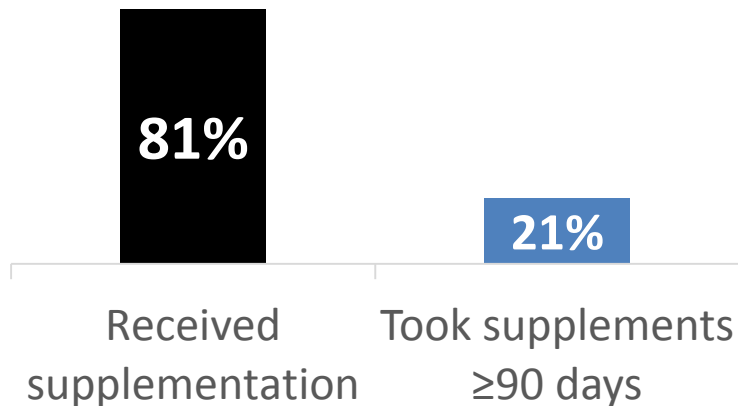
Smith & Kaishozi 2016, Remes 2017

- **Women:** Understand that nutritious food is expensive and therefore unaffordable, both during their pregnancies and for young children.
- **Pregnancy:** Women are unlikely to change their diets or habits – may restrict calories and continue working as usual.
- **Key influencers:** Husbands (ASTUTE study), mothers-in-law and community elders (Maasai study in Ngorongoro).

Duration and compliance of iron supplementation in pregnant women is a concern

DHS 2015

Iron supplementation for pregnant women



Anaemia most common in regions with lowest supplementation

Vitamin A supplementation

- Only ¼ of women nationally received vitamin A in the first 2 months after delivery.
- <10% in Rukwa and Shinyanga.

Modelling to improve access to nutrients

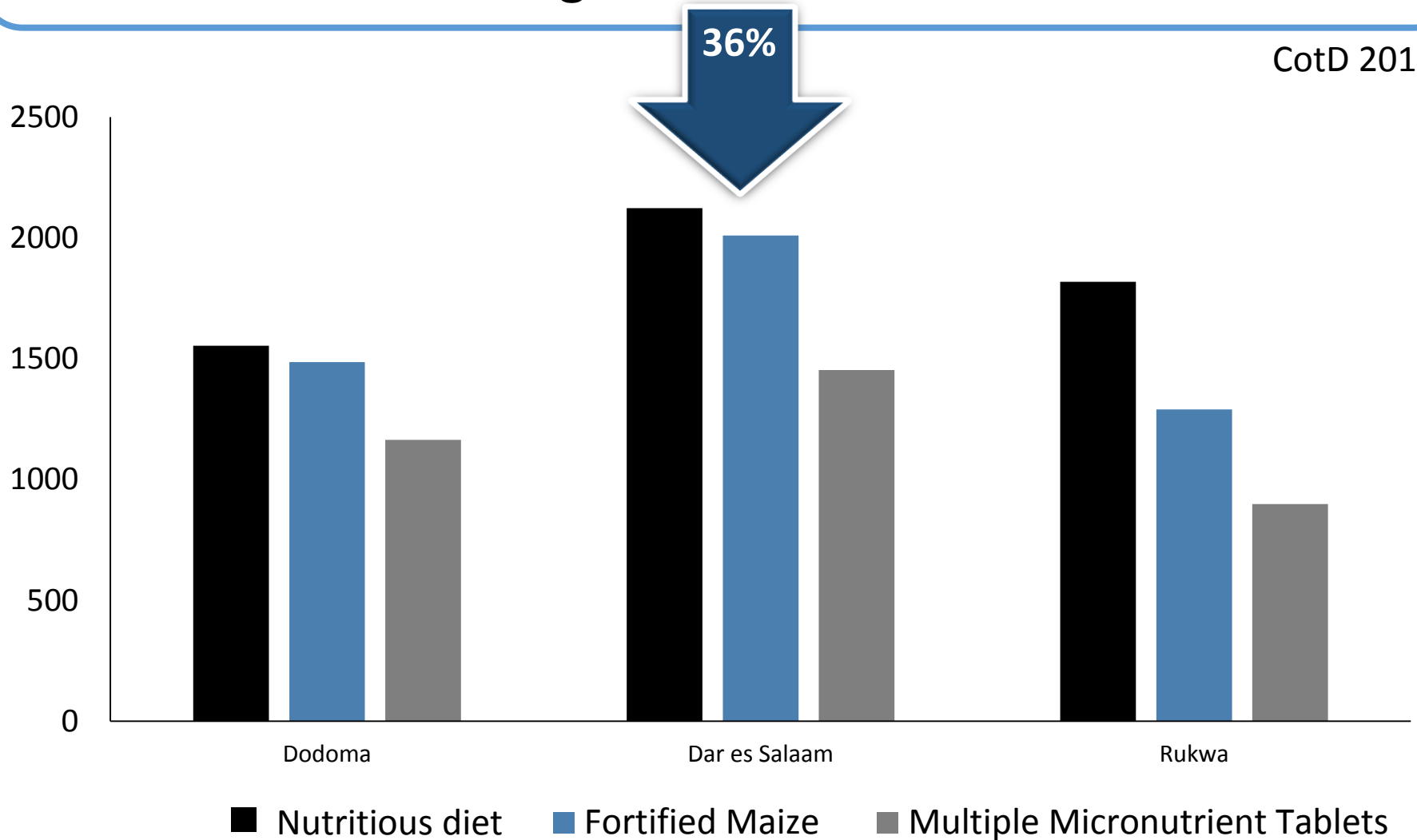
CotD 2017

Target group	Intervention	Transfer Modality	Possible Entry Points
Adolescent girls	Multi-Micronutrient Tablet (MMT)	Voucher/ In-kind	<ul style="list-style-type: none">• Health• Agriculture• Social Protection• Markets (Private Sector)
Pregnant and lactating women	Multi-Micronutrient Tablet (MMT)	Voucher/ In-kind	

Adolescent girl:

A Multi-Micronutrient Tablet was highly effective at reducing the cost of the diet

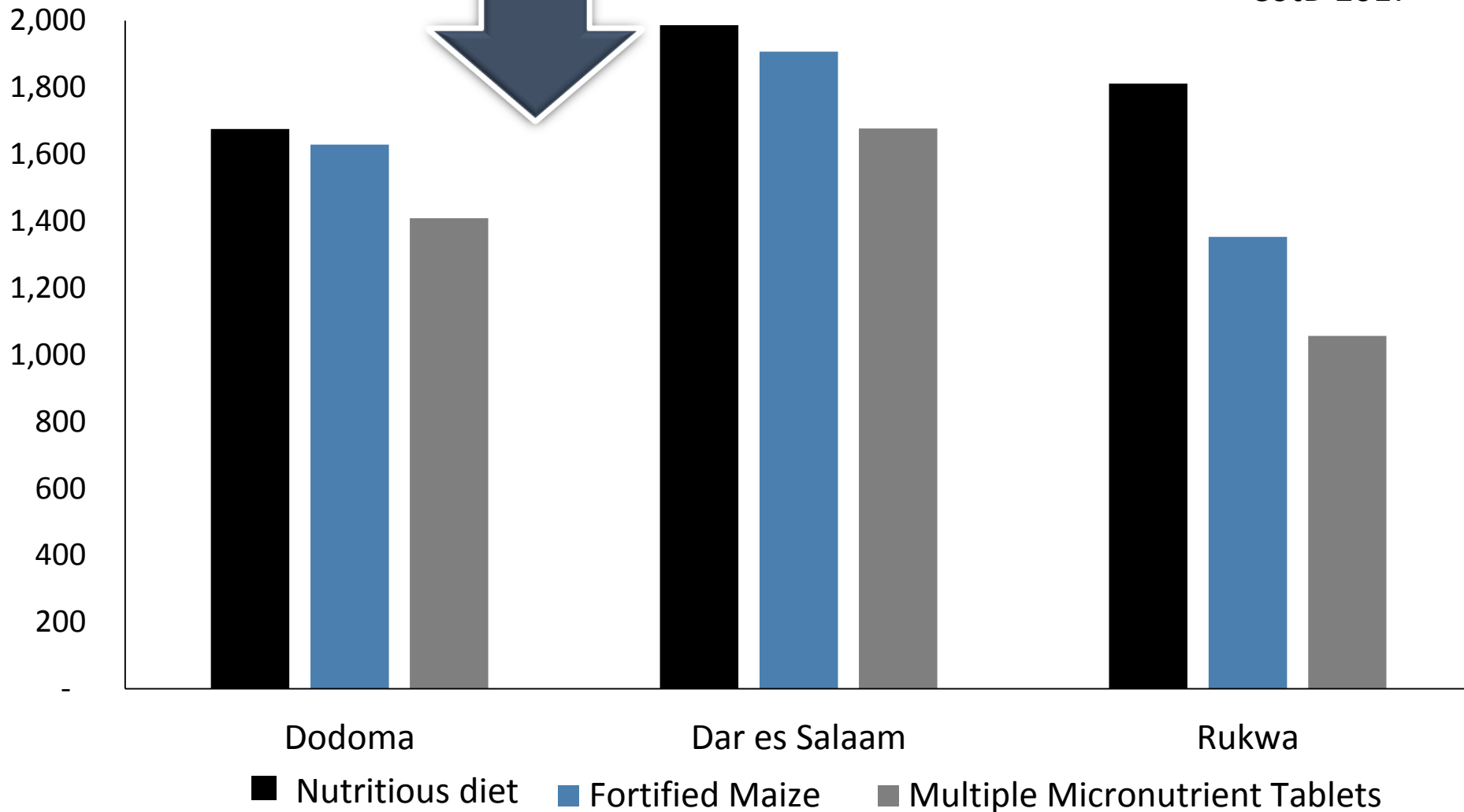
CotD 2017



Pregnant and Lactating Woman:

A Multi-Micronutrient Tablet was highly effective at reducing the cost of the diet

CotD 2017



KEY MESSAGE 9

Fill the Nutrient Gap



Nutrition situation analysis framework and decision tool

Great potential
to improve affordability
of a nutritious diet from
context-specific interventions



**PACKAGES
TO BE CONSIDERED
BASED ON THE MODELLING**

Household interventions



Targeted interventions



Cash transfers

A package of targeted interventions...

- SQ LNS for Children under 2
- Multiple micronutrient table for Pregnant and Lactating Women and for Adolescent Girls

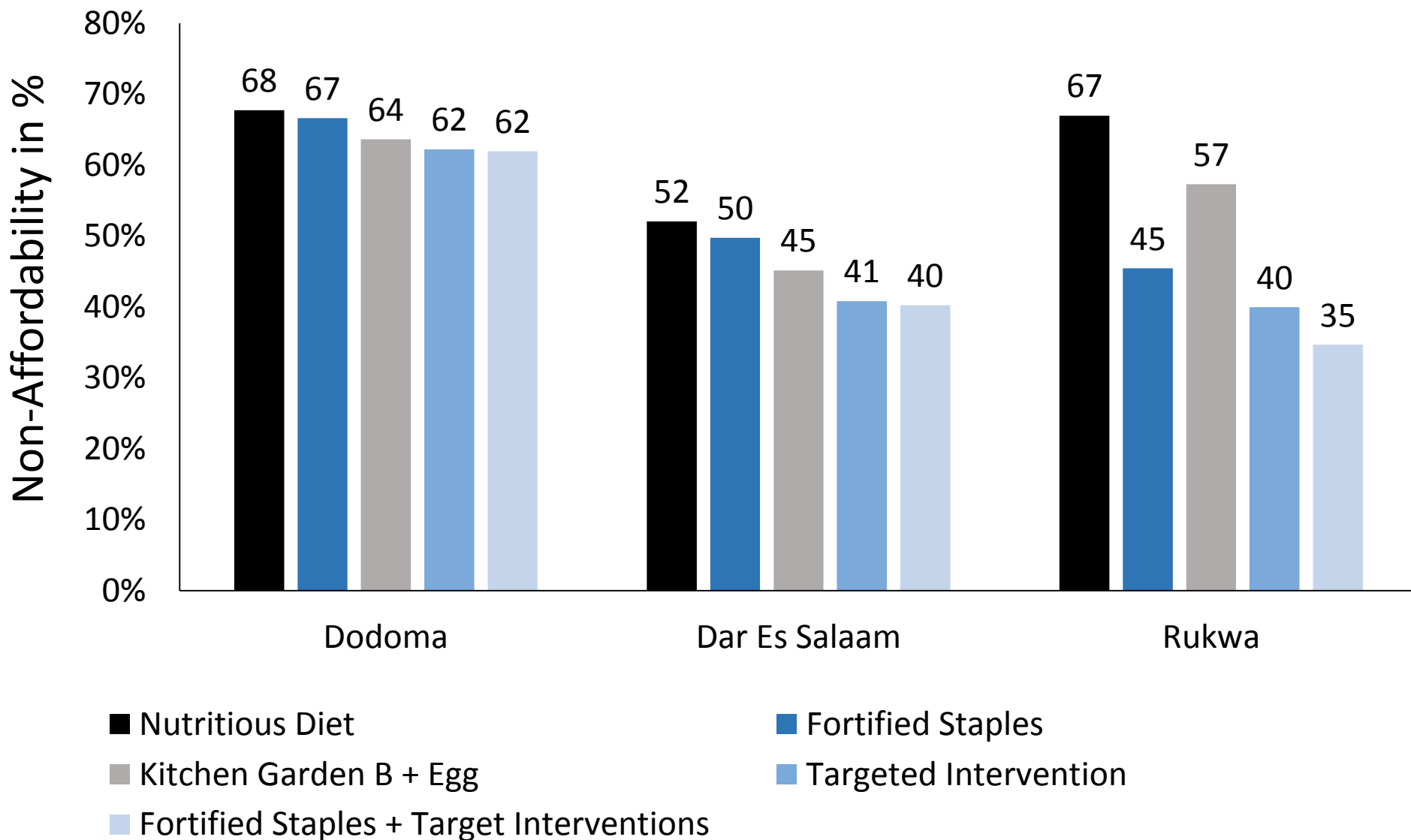
combined with household interventions:

- Fortified Maize

**...could reduce non-affordability by
6-32 percentage points**

Intervention packages to improve affordability

CotD 2017



Household:

Cash Transfers can reduce non-affordability by 11 to 16 percentage points and a further 12 to 46 percentage points when combined with interventions

CotD 2017

	% of Households that cannot afford a Nutritious Diet	Cash Transfer 25,000 TZS	Cash Transfer 35,000 TZS	Combined Interventions + 25,000 TZS	Combined Interventions +35,000 TZS
Dodoma	68	62	59	50	46
Dar Es Salaam	52	44	41	32	29
Rukwa	67	57	51	25	21

Assumptions:

1. All of the cash provided is used on food.
2. Cash transfer is provided to all households that cannot afford a nutritious diet.



A range of entry points
both public and private
exist within the food system
to improve access to nutritious food

Fill the Nutrient Gap



Nutrition situation analysis framework and decision tool

Potential Entry Points

**SECTOR
SPECIFIC
PLATFORMS**

**ENABLING
ENVIRONMENT**

**SUPPLY AND
DEMAND**

Education

Health
systems

Agricultural
diversification

**SECTOR
SPECIFIC
PLATFORMS**

Private
Sector

Social Protection:

- Cash transfers
- Linking farmers to safety nets
- Shock preparedness & response (food banks), especially in bimodal areas

Monitoring of
fortification

Food Quality and
Safety Standards

Aflatoxins

Regulation
of snack
foods

**ENABLING
ENVIRONMENT**

Data and
information
systems

Implementation
of the NMNAP

Improve physical
access to markets -
improved
infrastructure

Markets:

Availability of affordable,
safe, nutritious and
convenience foods

**SUPPLY AND
DEMAND**

Demand creation for healthy diets and
lifestyles

Private sector
messaging;
targeting;
price
segmentation

Social behaviour change
communication and Nutrition
education -
Community health, Agricultural
extension officers, conditional cash
transfers etc.

Asante
Sana





Instructions for working session

- Please join one of the five groups relevant to your organisation.
- Select 2-4 of the key findings most appropriate to your area.
- Discuss the implications of these findings on policy.
- Propose concrete actions which use this information to tackle malnutrition
 - Which key finding does it relate to?
 - What are the appropriate actions?
 - Which stakeholders would be needed to carry these out?
- Prioritise these actions.
- Record your conclusions on a laptop, using the template provided.