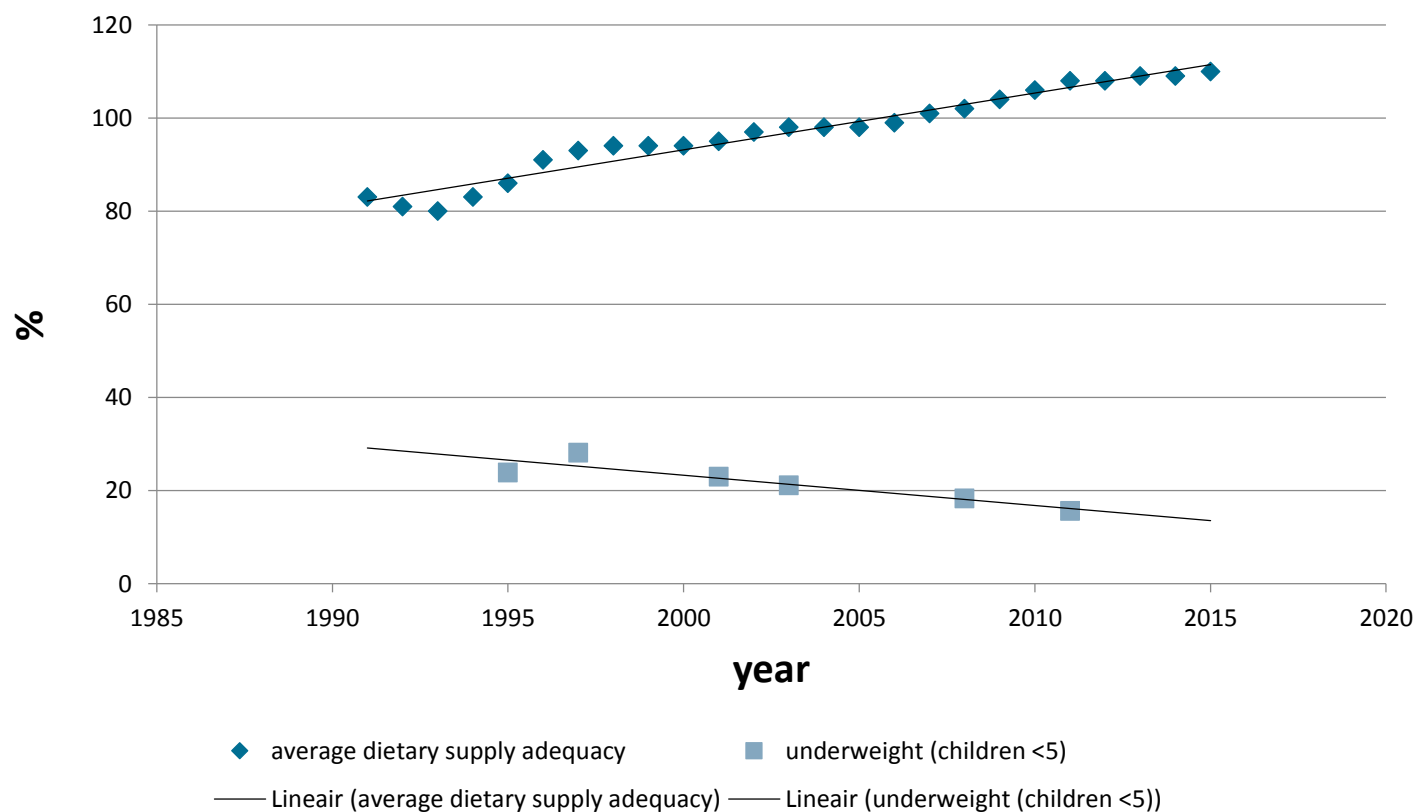


TASK FORCE Mozambique

QA/QC Workshop on flour fortification – Makerere University – 27/05/2016

Evolution of Nutritional Status

Dietary supply adequacy in function of underweight



Nutritional status of population

- 69% children (6-59 months) Deficiency of Vit A
- 75 % anemia
- Iodine levels in urine ($60\mu\text{g/L}$) against $100\mu\text{g/L}$

Malnutrition

48% in 2003

44% in 2008

MISAU, 2004; MICS, 2008

- Food fortification Program launched in 2011
 - Start fortification in 2014
 - Voluntary until 2016

No Follow up studies done yes

Mozambique Multi-Sectorial Plan to Reduce Chronic Malnutrition (PAMRDC 2010-2015(20))

- **Target**

- Reduction of chronic malnutrition from 44% to 30% by 2015
- Reduction from 30 to 20% by 2020.

- **Strategies**

- Distribution of micronutrient (iron and folic acid) supplements and deworming for pregnant woman, breastfeeding and children under 5
- School food programs (covered 10.7 % students)
- Improving the consumption of micronutrient-rich foods and mass fortification of staples

RUNNING INTERVENTIONS

Food Fortification Program in place
Food products fortified

Voluntary compulsory

- Wheat flour (Iron, Bit B12, Zn, Folic Acid)
- Vegetable oil (Vit A)
- Maize flour (Iron, Vit B12, Zn, Folic Acid)
- Salt (Iodine)

Mandatory fortification

- Wheat flour (**Iron**)
- Vegetable oil (**Vit A**)
- Maize flour (**Iron**)
- Salt (**iodine**)
- Sugar (**Vit A**)



FOOD FORTIFICATION STATUS

- **Production**

- 4/7 millers doing voluntary fortification
- 3 setting up
- 7 oil producers
- Salt (100% fortified with Iodine)

- **Marketing**

- Advocacy
- Awareness to producers and consumers
- Fortified product Logo launched (mandatory)
- Started establishment of National Communication Strategy



FOOD FORTIFICATION STATUS

Fortificants used (wish form)

- ✓ Iron in flour (NaFe EDTA, Ferrous Fumarate) : 20 -140 mg/Kg
- ✓ Salt (KIO3) : 25 – 55 mg/g
- ✓ Vit A :
 - In sugar:1 – 3 mg/100; eatable
 - oil (VitA-palmitate): 15-43mg/kg



FOOD FORTIFICATION STATUS

Legislation and Standards

5 national standards approved

- NM 5 Maize flour
- NM7 Wheat flour
- NM425 Vegetable oil
- NM110 Sugar
- NM9 Salt

Regulament for Industrially processed food fortification with micronutrients (Decreto 9/2016 of 18th april)



RUNNING INTERVENTIONS

- Performance of Current program
 - Too early to undertake nutritional surveys



FOOD FORTIFICATION STATUS

Follow up Goals

- Update the National Strategy for Food Fortification.
- Regular training of the inspectors.
- Advocacy for sustainability of the program
- Strengthen the medium and small scale maize millers by organizing them into associations for group fortification



FOOD FORTIFICATION STATUS

- What are the **challenges**

- Commitment of the industries to fortify
- Sustainability of the program (currently rely on support of parthners)
- Weak body of national inspectors.
- Limited capacity of the Laboratories (human resources and equipment).
- Inclusion of medium and small maize mill industries (the legislation exclude maize mills that produce less than 5MT/day). Get Experience from Tanzania



FOOD FORTIFICATION STATUS

What are the **constraints**

- **Funding**
 - Currently food fortification is not being included in government budget
- **Weak communication within stakeholders**
- Fear of producers on increasment of production costs vs law of purchasing power of consumers
 - Variations on the premi prices
 - Equipment maintenance

