



**FOOD  
SAFETY &  
NUTRITION**

# The Problem Opportunity

Diverse &  
Changing Diets

Threat to  
Health &  
Investment

Confusing & Costly  
Management  
Systems

Lagging &  
Expensive Public  
Sector Investment

# WHA Global Nutrition Targets 2025



40% Stunting

50% Anemia

30% LBW

No Change

50% EBF

<5% Wasting

# Why Food Safety



# The Goal!



Improve  
Diet  
Diversity

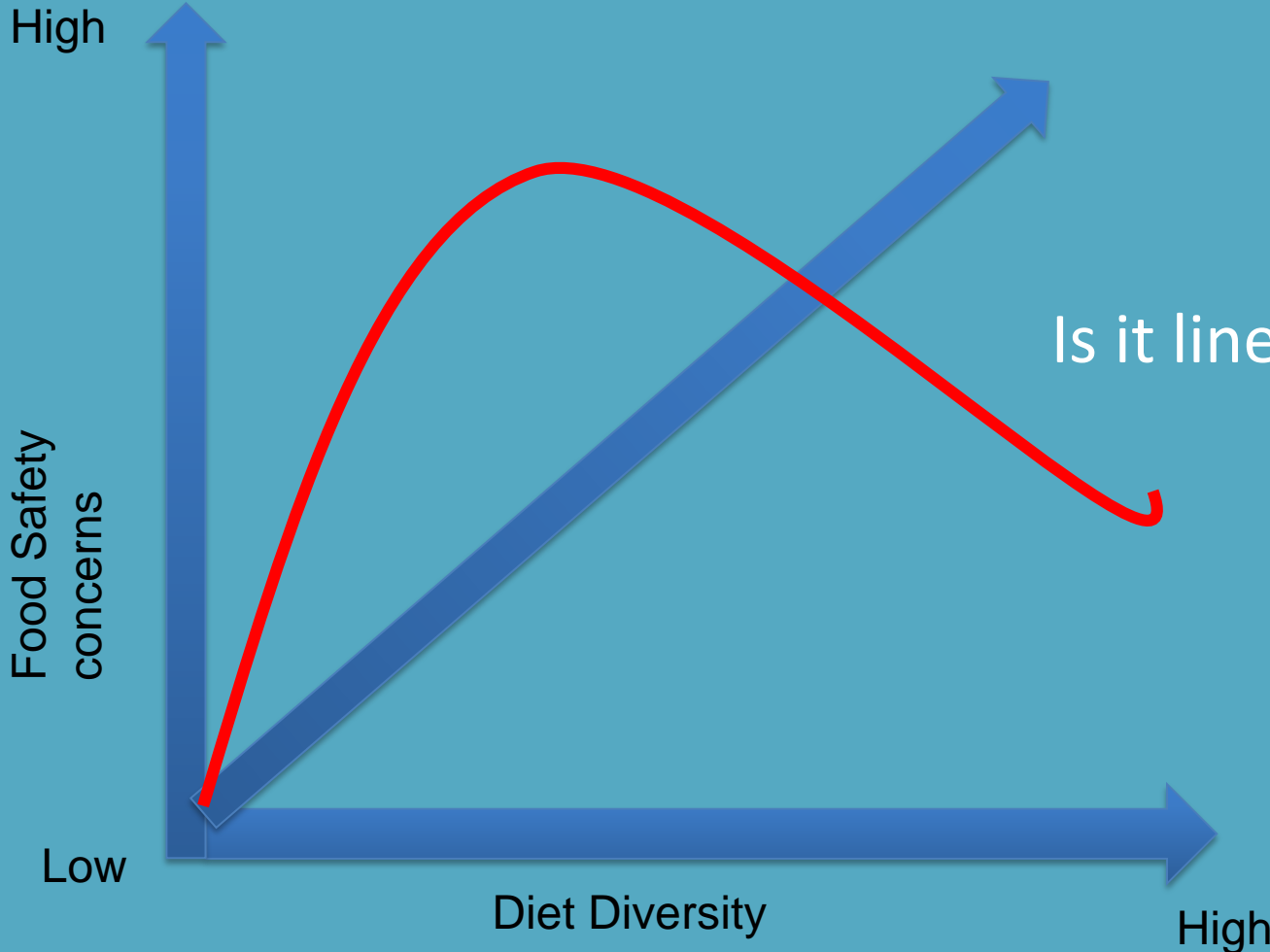


Better Nutrition



Assuming Food Safety issues are not considered!!

# My Dump Hypothesis!!



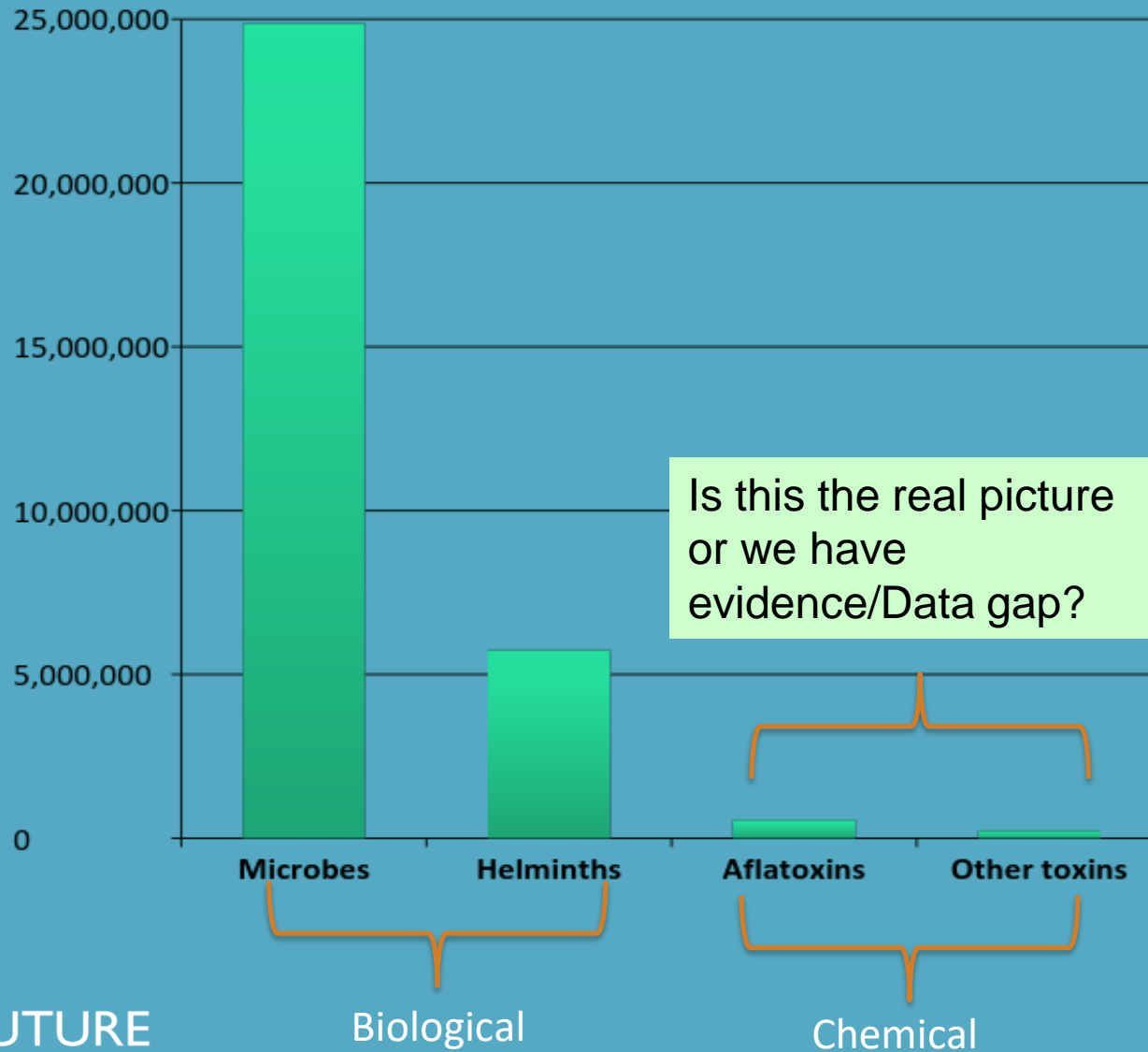
Is it linear or not?

# Quiz

31 = 33

40% = 30%

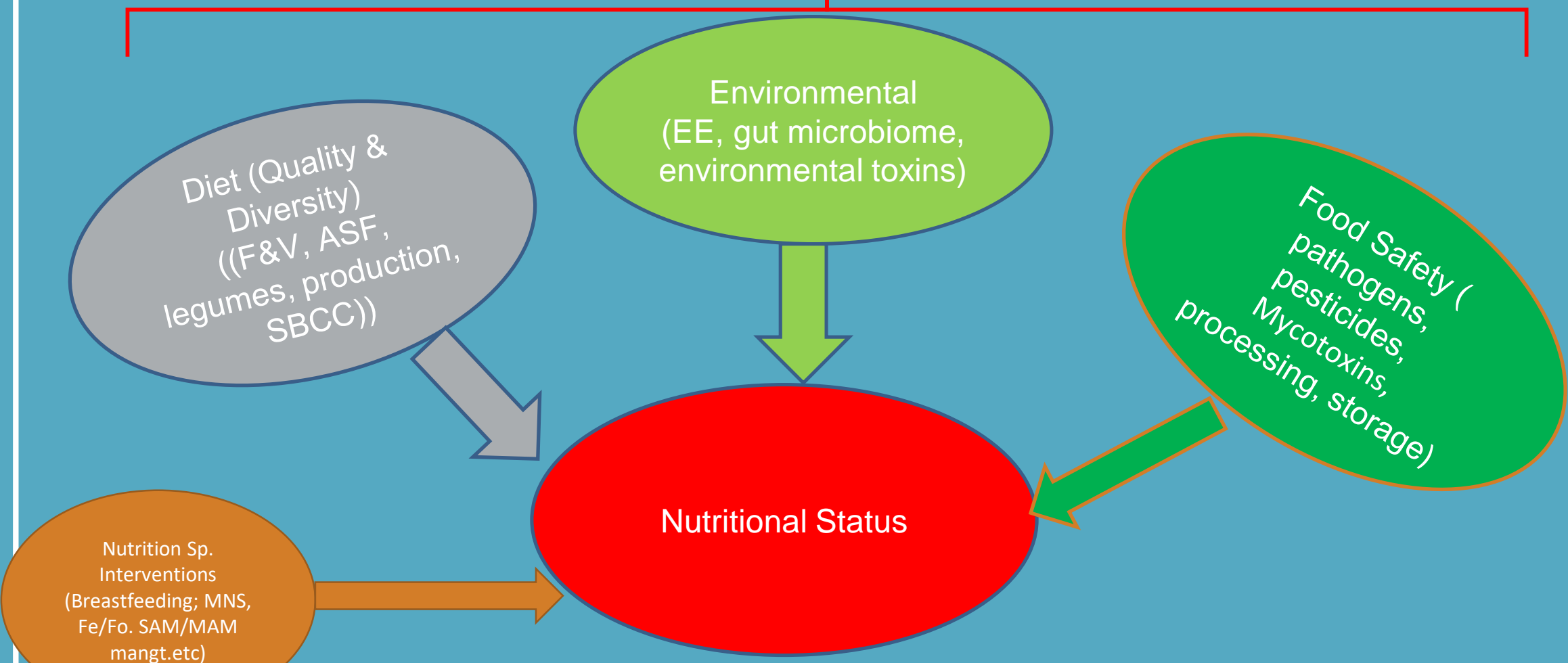
# Causes of FBD



# Outcomes of FBD

- Immediate (acute)---70% Diarrheal diseases
- Delayed (Chronic) ---- Cancer, Stunting?

Agriculture Influenced



Key factors affecting Nutritional Status



# The burden of **foodborne diseases** is substantial

Every year foodborne diseases cause:

almost  
**in 10**  
people to fall ill

**33 million**  
healthy life years lost

Foodborne diseases can be deadly, especially in children <5

  
**420 000**  
deaths



Children account for  
almost **1/3**  
of deaths from  
foodborne diseases

**FOODBORNE DISEASES ARE PREVENTABLE.  
EVERYONE HAS A ROLE TO PLAY.**

For more information: [www.who.int/foodsafety](http://www.who.int/foodsafety)

**#SafeFood**

Source: WHO Estimates of the Global Burden of Foodborne Diseases, 2015.



**World Health  
Organization**

# Food Safety Impact on Nutrition & Health

- ✓ **Diarrheal diseases---Wasting**
- ✓ **Stunting**
- ✓ **Development**
- ✓ **Well-being**
- ✓ **Mortality**
- ✓ **Morbidity**

# Economic Impacts of Food Safety-Direct

- ✓ **Loss of life**
- ✓ **Lost productivity**
- ✓ **Loss of leisure & travel opportunities**
- ✓ **Health Care system**
- ✓ **Loss of income**
- ✓ **Funeral cost**

# Economic Impacts of Food Safety-Indirect

- ✓ **Costs of averting illness**
- ✓ **Disutility of illness**
- ✓ **Cost to the Nations & Government**
- ✓ **Costs to business and Industry**

# Economic Impacts of Food Safety and Indirect

✓ Costs of aver

✓ D:

**The total estimated annual economic costs from foodborne disease among LMICs is estimated, conservatively, to be \$>114 billion**

Jaffee et al; Unpublished data

Global burden of FBD (DALYs/100,000 pop) by hazard grp by sub-region, 2010. FERG



**9%** carry  
**40%** of  
FBD!!

# Gender and Food Safety

## 1) Direct

- Pregnant and lactating

## 1) Indirect

- Culture affects the relative consumption of risky foods by men and women
- Livelihood implication
- Women disadvantageous access to support and resources



# Global donor efforts so far!!

- **Aflatoxin/Mycotoxin focused**
- **Driven predominantly by trade outcomes, rather than nutrition/health outcomes**
- **Unclear how investments impact domestic markets and local consumers**

# To Cover the Gap– New NOFO

- Released May 23<sup>rd</sup> , 2018 on Grants.gov
- Food Safety Innovation Lab
- Food Safety systems
- R4D geared toward the poor
- Broad focus on biological and chemical contaminants
- Two Phases Application process

For more information please visit our Feed the Future Website

[www.feedthefuture.gov](http://www.feedthefuture.gov)



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