

# Seguridad sa Pagkain

PIDS DP 2022-21  
([www.pids.gov.ph](http://www.pids.gov.ph))

**IVORY MYKA R. GALANG**

Supervising Research Specialist



**Go to: [www.menti.com](https://www.menti.com)**

**code: 44 97 201**





# Food Security

1. Ano nga ba ito?
2. Bakit mahalagang pag-usapan?
3. Ano ang lagay sa kasalukuyan?
4. Mga programa ng gobyerno
5. Mungkahi para sa hinaharap

**1. Kailan natin masasabing  
tayo ay may seguridad sa  
pagkain (*food security*)?**

**Kapag mayroong  
(*available*)  
pagkain?**

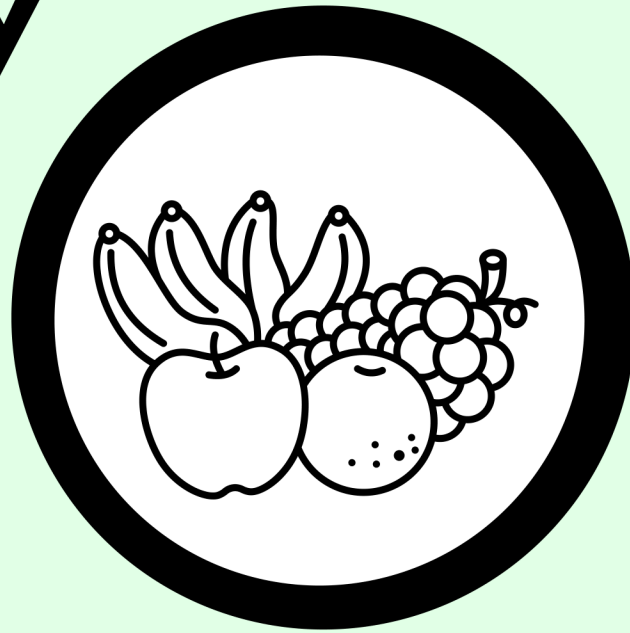
**Saan? Kailan?  
Para kanino?  
Anong klaseng  
pagkain?**





**Availability**

**Pagkakaroon  
ng supply**



**Accessibility**

**Abot-kaya**

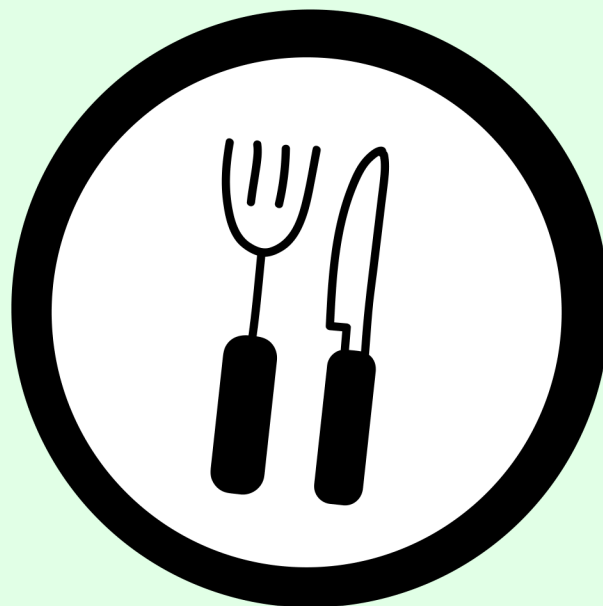


# **Food Security**

## **Seguridad sa Pagkain**

**Masustansya**

**Utilization**



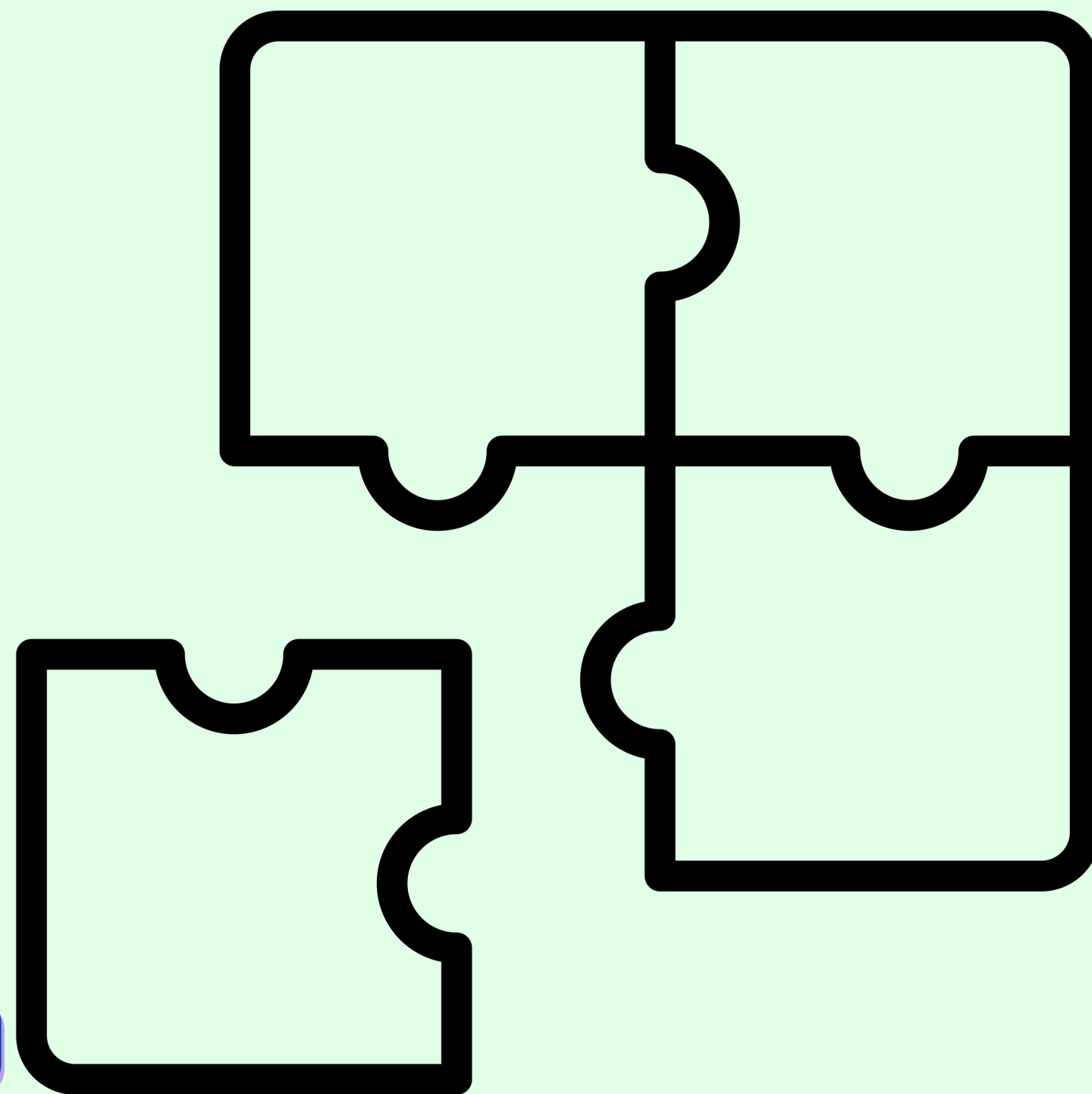
**May suplay  
na laging  
maaasahan**

**Stability**



**2. Bakit mahalaga na pag-usapan ang seguridad sa pagkain?**

# Nutrition Security

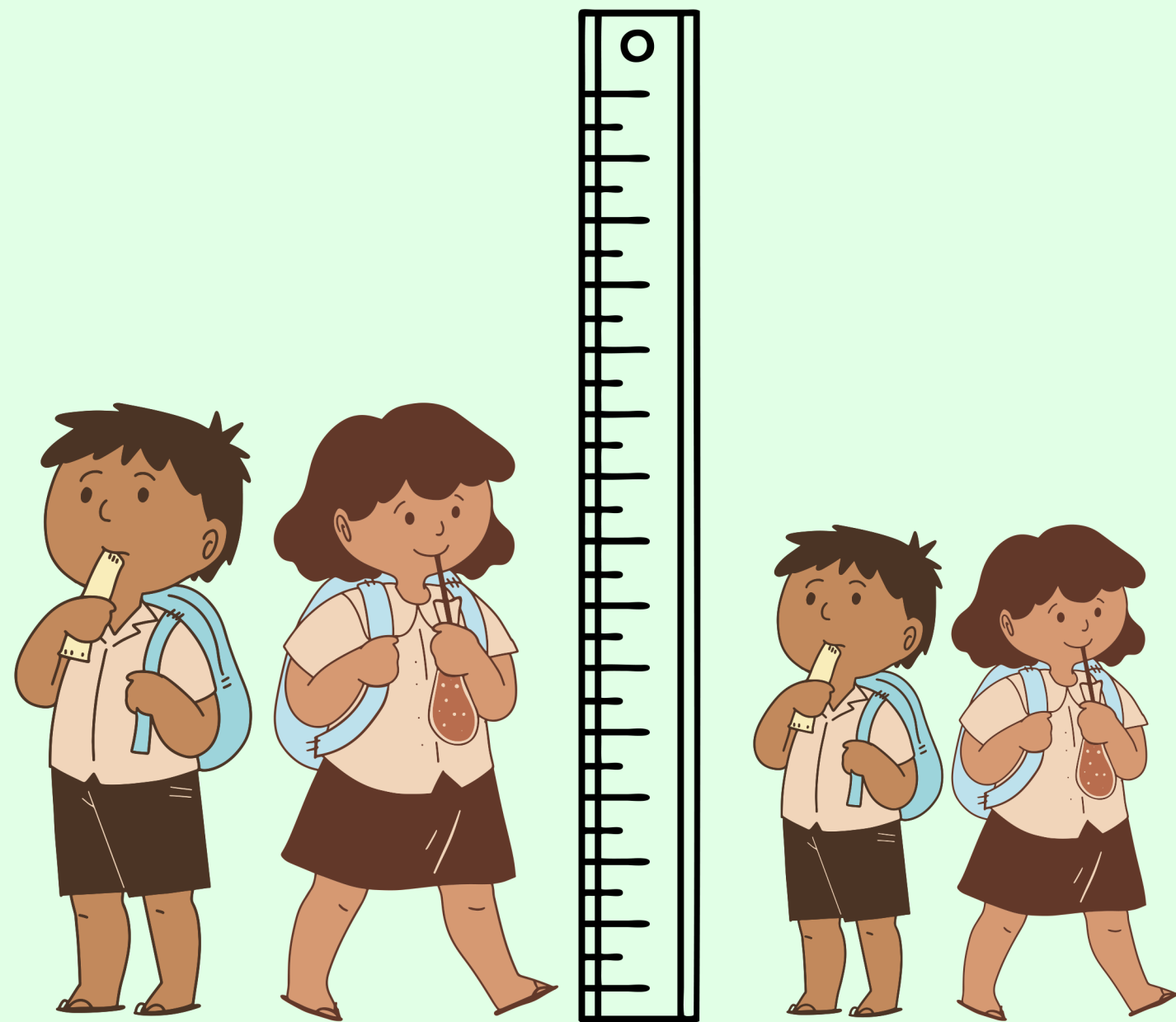


**FOOD  
SECURITY**

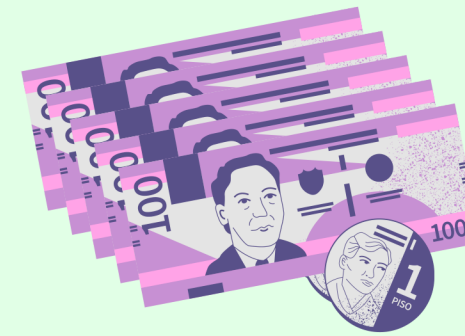
# MALNUTRISYON

- **Kakulangan sa timbang (underweight)**
- **Pagkabansot (stunting)**
- **Pagkapayat (wasting)**
- **Sobra sa timbang (overweight)**

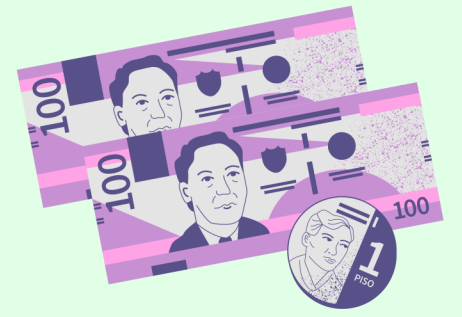
# PAGKABANSOT



2022



2040

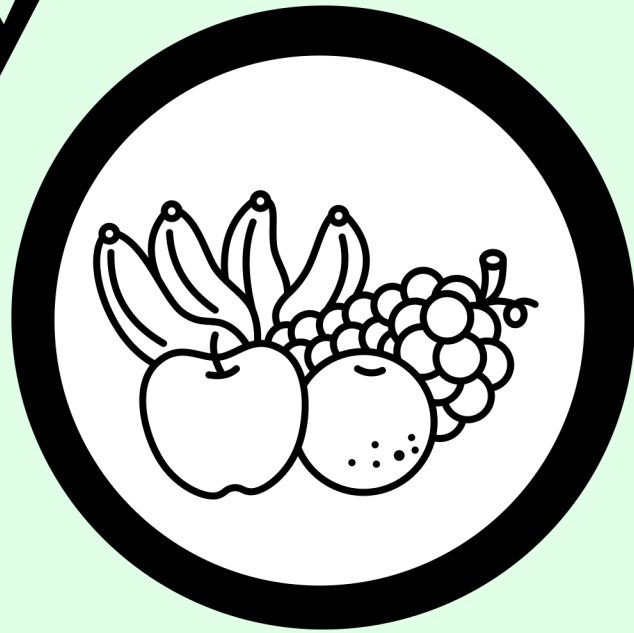




**3. Ano ang lagay sa kasalukuyan?**

**Availability**

Pagkakaroon  
ng supply



**Accessibility**

Abot-kaya

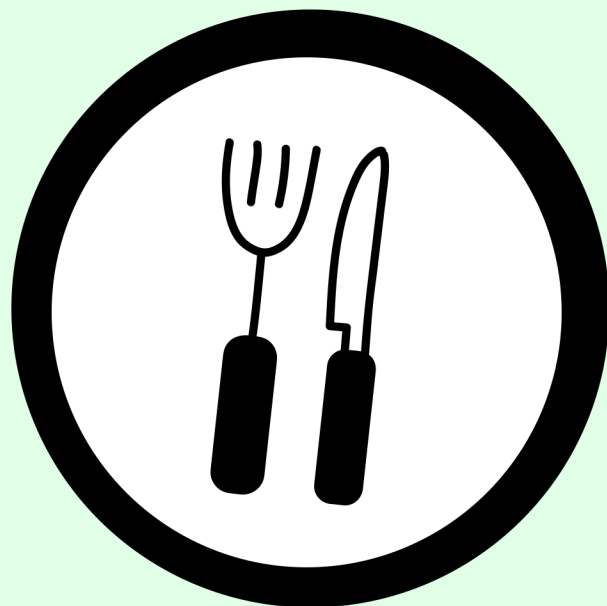


# Food Security

## Seguridad sa Pagkain

Masustansya

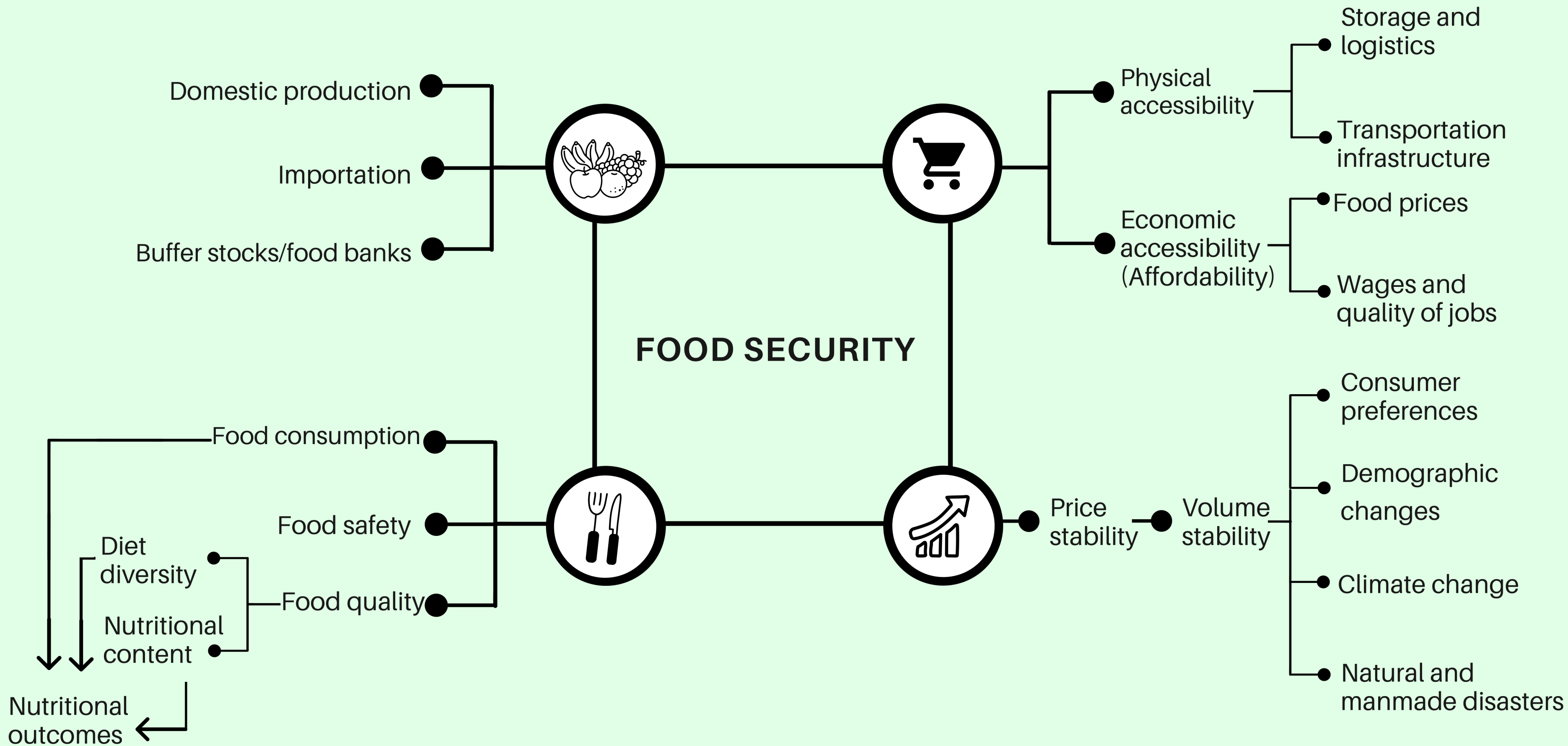
**Utilization**



May suplay  
na laging  
maaasahan

**Stability**





Food availability



Food accessibility



Food utilization



Stability

# SSR



**~100%**



**~90%**



**~95%**

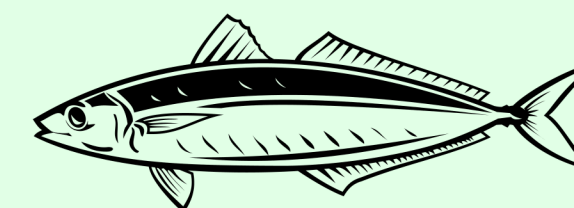
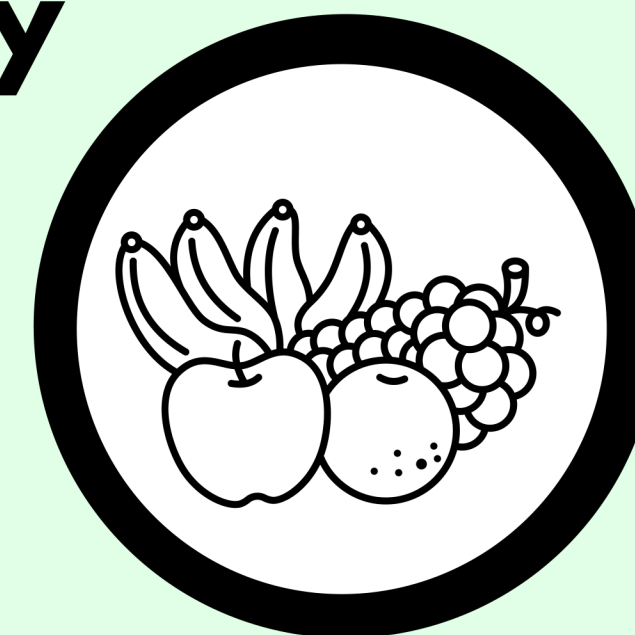


**~90%**  
RECENT  
DECADE



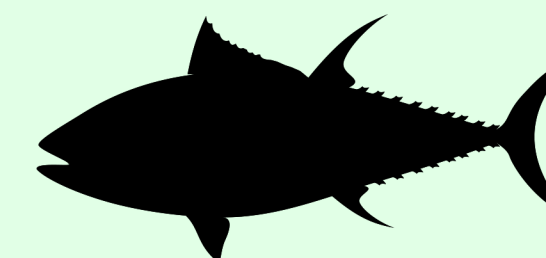
**~90%**  
RECENT  
DECADE

**Availability**  
Pagkakaroon  
ng supply



GALUNGGONG

**~90%**  
2020



TUNA

**~80%**  
RECENT  
DECADE

\*SELF-SUFFICIENCY RATIO (1990-2020)  
SOURCE OF BASIC DATA: PSA



Food availability



Food accessibility



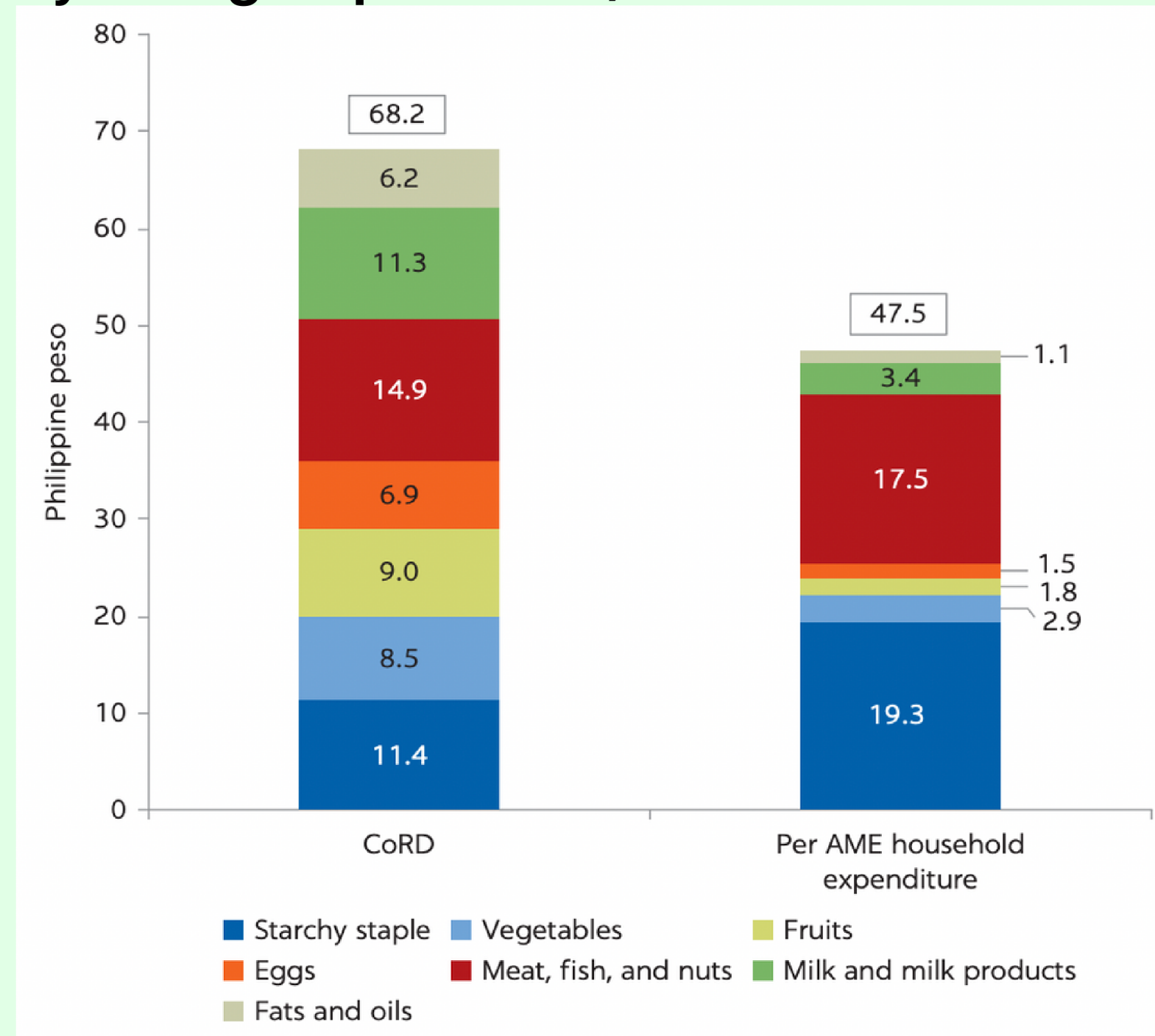
Food utilization



Stability

**14**

## CoRD and food expenses in the Philippines by food group (in PHP), 2015



**Accessibility**

**Abot-kaya**



***Starchy staples ang nangungunang  
binibili ng karaniwang Pamilyang  
Pilipino noong 2015.***

CoRD = cost of recommended diet; AME = adult male equivalent

Source: Lifted in full from Mbuya et al. (2021)

Food availability



Food accessibility



Food utilization



Stability

**15**



# Accessibility

## Abot-kaya



### Level of compliance to the recommended amount of food by food group, income level, 2015

	Starchy Staples	Meat and Pulses	Vegetables	Milk and Milk Products	Eggs
All Filipino households	59% more than recommended	21% less than recommended	78% fewer than recommended	67% less than recommended	88% less than recommended
Poorest 40%		48% less than recommended	82% less than recommended	82% less than recommended	88% less than recommended
Richest 40%		7% less than recommended	74% less than recommended	52% less than recommended	87% less than recommended

Source: Mbuya et al. (2021)



# Accessibility

Abot-kaya



## Indicators of logistics effectiveness

	Thailand	Indonesia	Philippines	Viet Nam
<b>*Logistics Performance Index Ranking (2018)</b>	<b>32/160</b>	<b>46/160</b>	<b>60/160</b>	<b>39/160</b>
<b>Liner Shipping Connectivity Index (2017)</b>	<b>41.0</b>	<b>40.9</b>	<b>25.0</b>	<b>65.61</b>
<b>*Trading Across Borders Ranking (2020)</b>	<b>62/190</b>	<b>116/190</b>	<b>113/190</b>	<b>104/190</b>

Source: World Bank and UNCTAD as cited in World Bank (2020)

\*Note: The higher the number, the worse the performance.



Food availability



Food accessibility



Food utilization

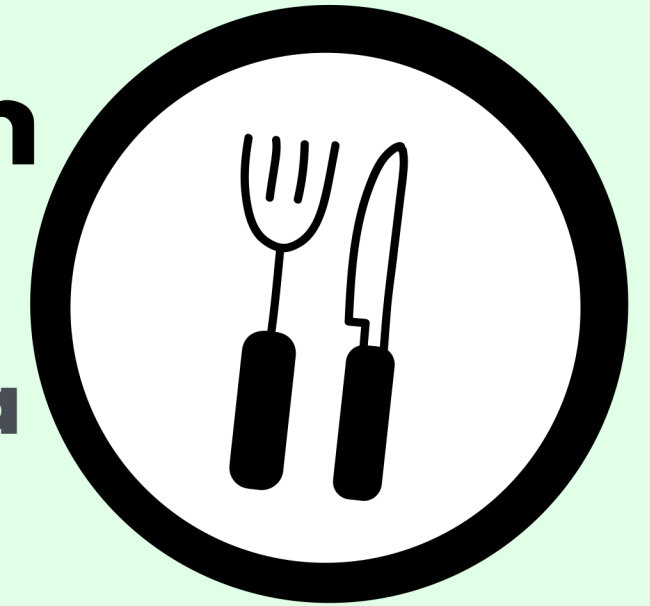


Stability

17

# Utilization

Masustansya



- Kagutuman sa bansa: Bumaba mula 10% (2007) hanggang 2% (2016); May konting pagtaas noong 2017 (PSA)
- Bilang ng food secure na kabahayan: 15.6% (2001) naging 44% (2018-2019) (FNRI)
- Nagresulta sa pagbaba ng malnutrisyon sa bansa
- Ngunit mabagal ang pagbaba ng stunting prevalence ng Ph (0-1%) kada taon kumpara sa 5-6% na pagbaba sa Viet Nam



Food availability



Food accessibility



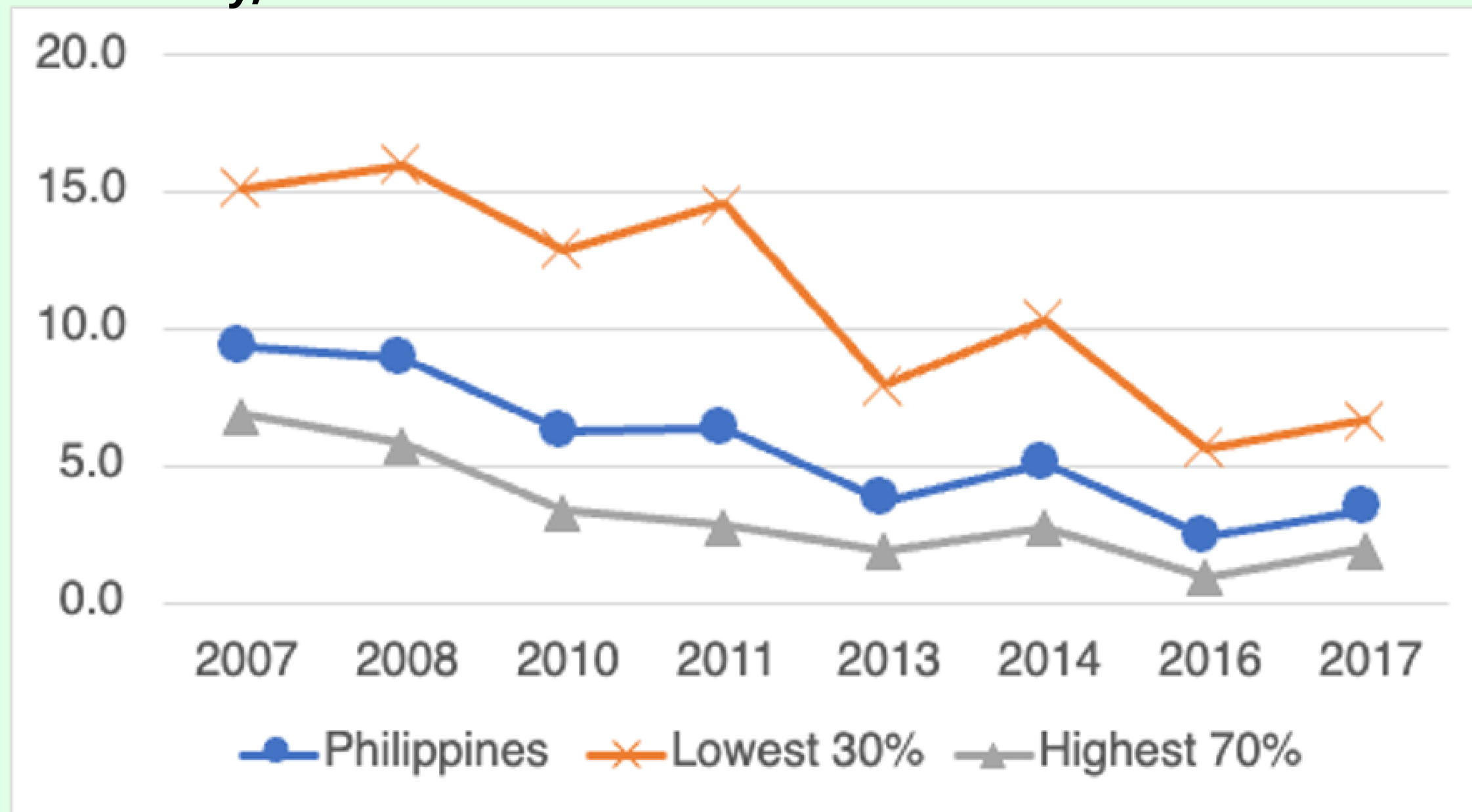
Food utilization



Stability



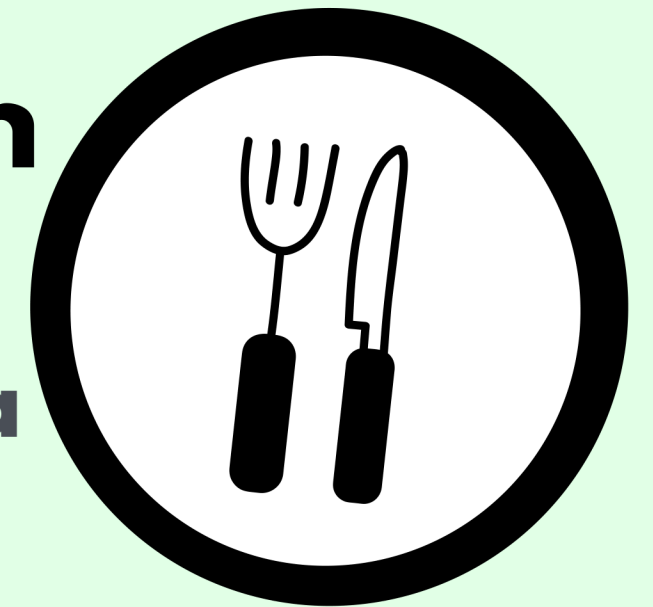
## Families who experienced hunger in the 3 months preceding the survey, 2007-2017



Source of basic data: PSA APIS

# Utilization

## Masustansya



Food availability



Food accessibility



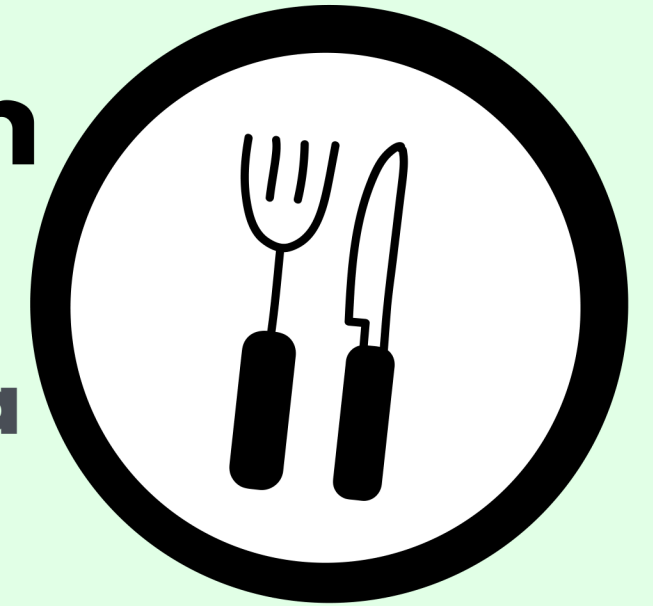
Food utilization



Stability

# Utilization

Masustansya



- Macro- at micro-nutrient deficiency mula 2015 hanggang 2018-2019 mas lumala (FNRI)



Food availability



Food accessibility



Food utilization



Stability

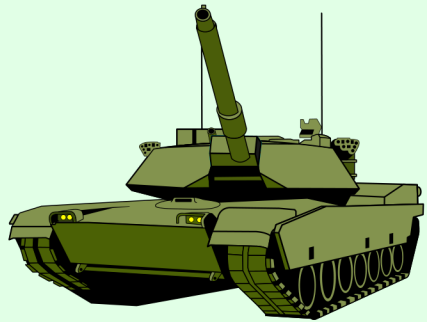
20

# External at Internal Factors

**Stability**  
May suplay  
na laging  
maaasahan

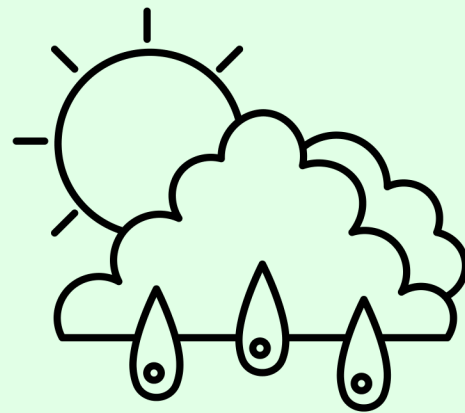
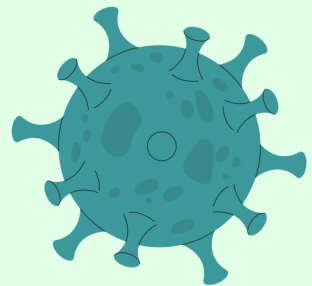


**digmaan**



**peste at  
sakit sa  
taniman**

**COVID-19**



**climate  
change atbp.**

**Inflation**



Food availability



Food accessibility

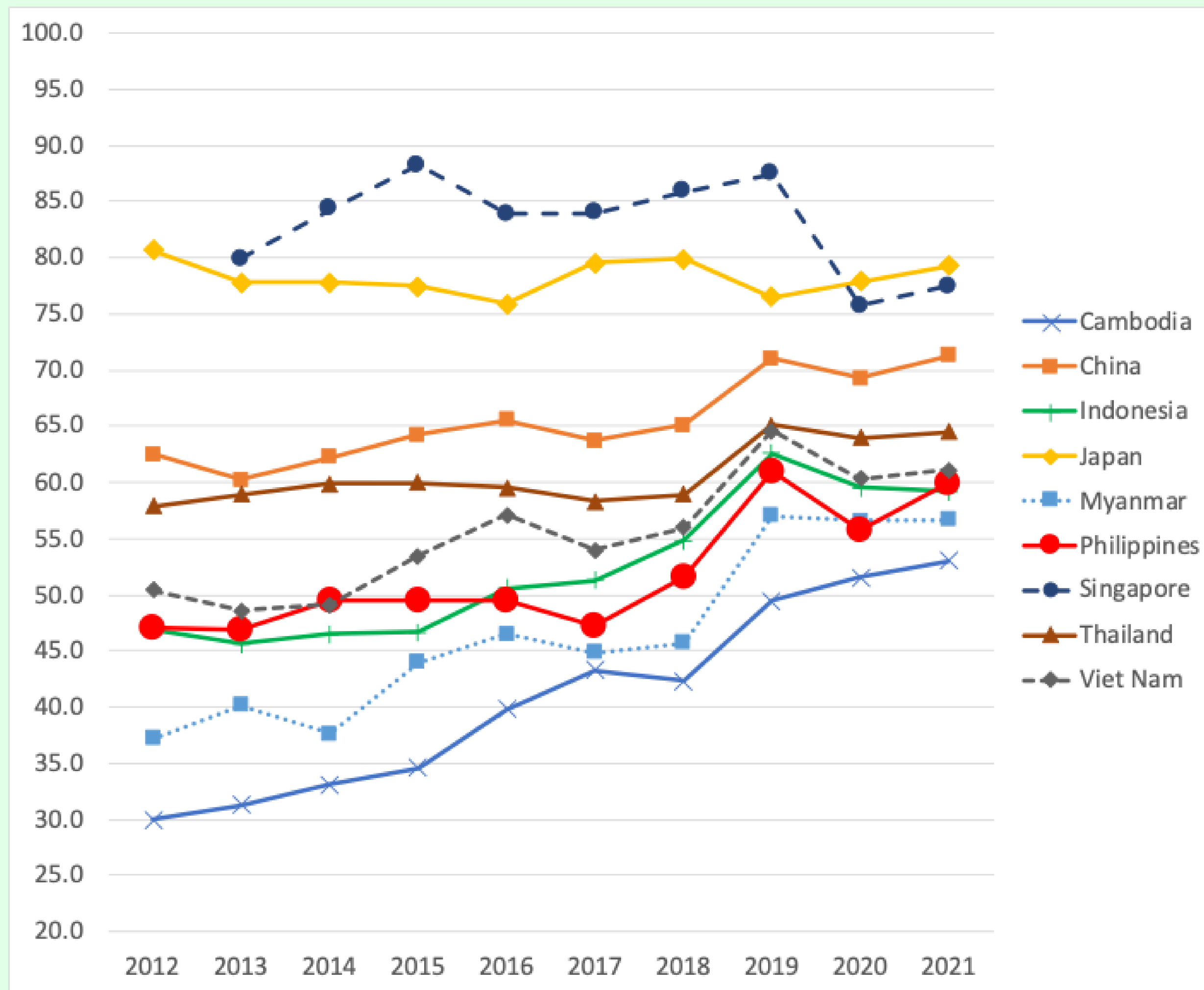


Food utilization



Stability

# PH *vs.* ASEAN



Source of basic data: Economist Intelligence Unit

## Global Food Security Index (GFSI) Scores

# Global Food Security Index ranking\*

## 2021 vs 2022



69 → 63



64 → 67



61 → 46

\*OUT OF 113 COUNTRIES

**PH**

**Pre-pandemic vs. Pandemic**

# Moderate or Severe Food Insecurity

Pre-pandemic (2018-19)

43% of Filipino Households (FNRI NNS)

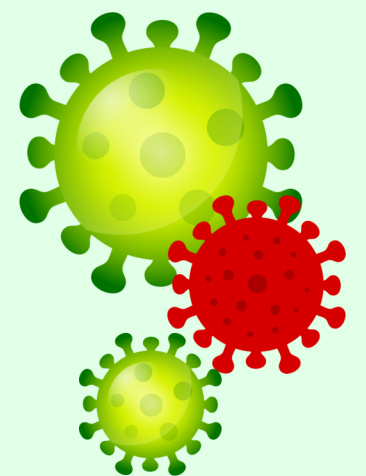
Global Food Security Index Ranking: 70 (out of 113 countries)



Pandemic (2020):

62% of Filipino Households (FNRI RNAS)

Global Food Security Index Ranking: 73 (out of 113 countries)

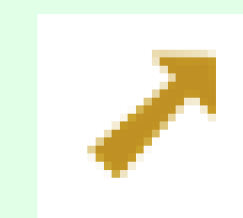




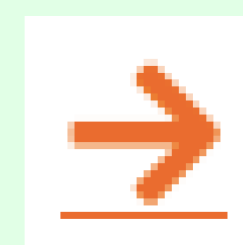
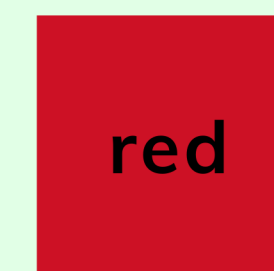


# Performance Tracker

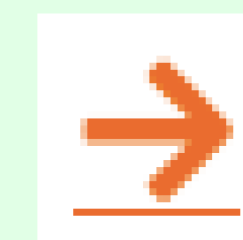
Undernourishment



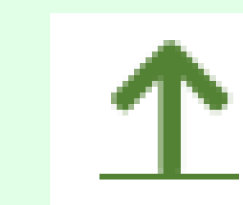
Stunting



Wasting



Obesity



Dashboard

green	Goal Achievement
yellow	Challenges remain
orange	Significant challenges
red	Major challenges

Time series

↑	On track or maintaining achievement
↗	Moderately Increasing
→	Stagnating
↓	Decreasing

# **4. Mga programa ng gobyerno**

# DA Policy

(as of 2021)

## The One DA Reform Agenda: Eighteen (18) Key Strategies

- Consolidation
- Modernization
- Industrialization
- Professionalization

## F2C2 Program

- Farm and Fisheries Clustering and Consolidation (F2C2) Program
- Farm consolidation and clustering program to attain economies of scale, and enable more farmers, fishers, and agripreneurs produce and earn more from their toil

## Ang Bagong Pananaw sa Agrikultura: 8 Paradigms to Level Up Agriculture



Source: <https://www.da.gov.ph/ang-bagong-pananaw-sa-agrikultura-8-paradigms-to-level-up-agriculture/>



# Political and Legislative Updates

(as of 2021)



Senate Bill No. 2126 (filed by Sen. Hontiveros)

- Zero Hunger Bill
- Commission on the Right to Adequate Food
- 'National Food Policy'



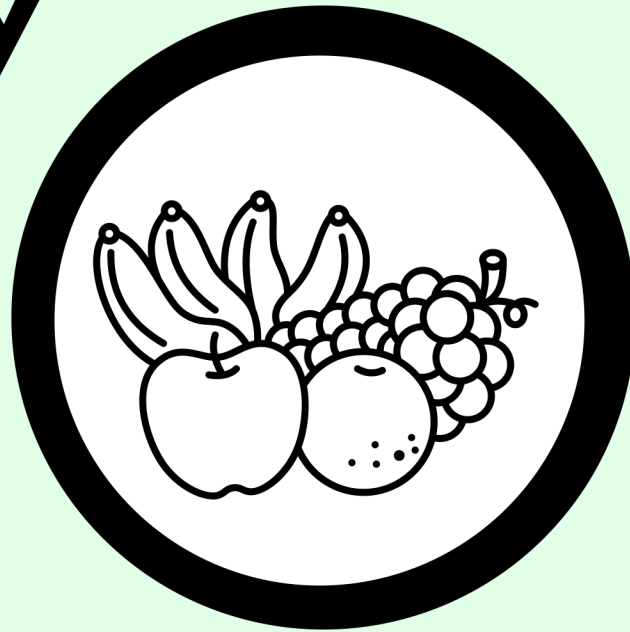
IATF on Zero Hunger (formed in 2020)

Pilipinas Kontra Gutom (multi-sec initiative):

"While the long-term goal is to end hunger by 2030, we have set an immediate realistic goal of uplifting one million Filipinos from hunger and malnutrition by 2022"

# Availability

*Gulayan sa  
Paaralan (BPI,  
DepEd)*



# Accessibility

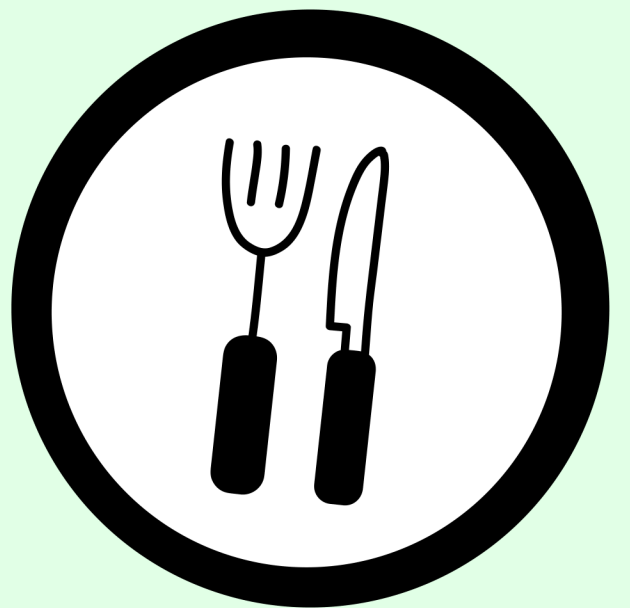


*Public works  
(DPWH, LGUs)  
FMRs (DA, LGUs)  
Diskwento Caravans  
(DTI, LGUs)*

## Mga programang nakasaad sa PPAN

*Overweight, Obesity  
Management and  
Prevention Program  
(DOH, DSWD,  
DOLE, NGOs)*

*Micronutrient  
supplementation  
(DOH, LGUs)*



*Food fortification  
(DOH, industries)*

*SALINTUBIG and  
WASH programs  
(DOH, LGUs, LWUA)*



*Capacity building for  
mainstreaming  
nutrition protection  
in emergencies  
(DOH, DSWD,  
DRRMC)*

# Utilization

# Stability

# **5. Mungkahi para sa hinaharap**

# Policy Recommendations



## Systems View



## Package of intervention (spatial prioritization)

*Children and lactating/pregnant  
women in poorest areas*



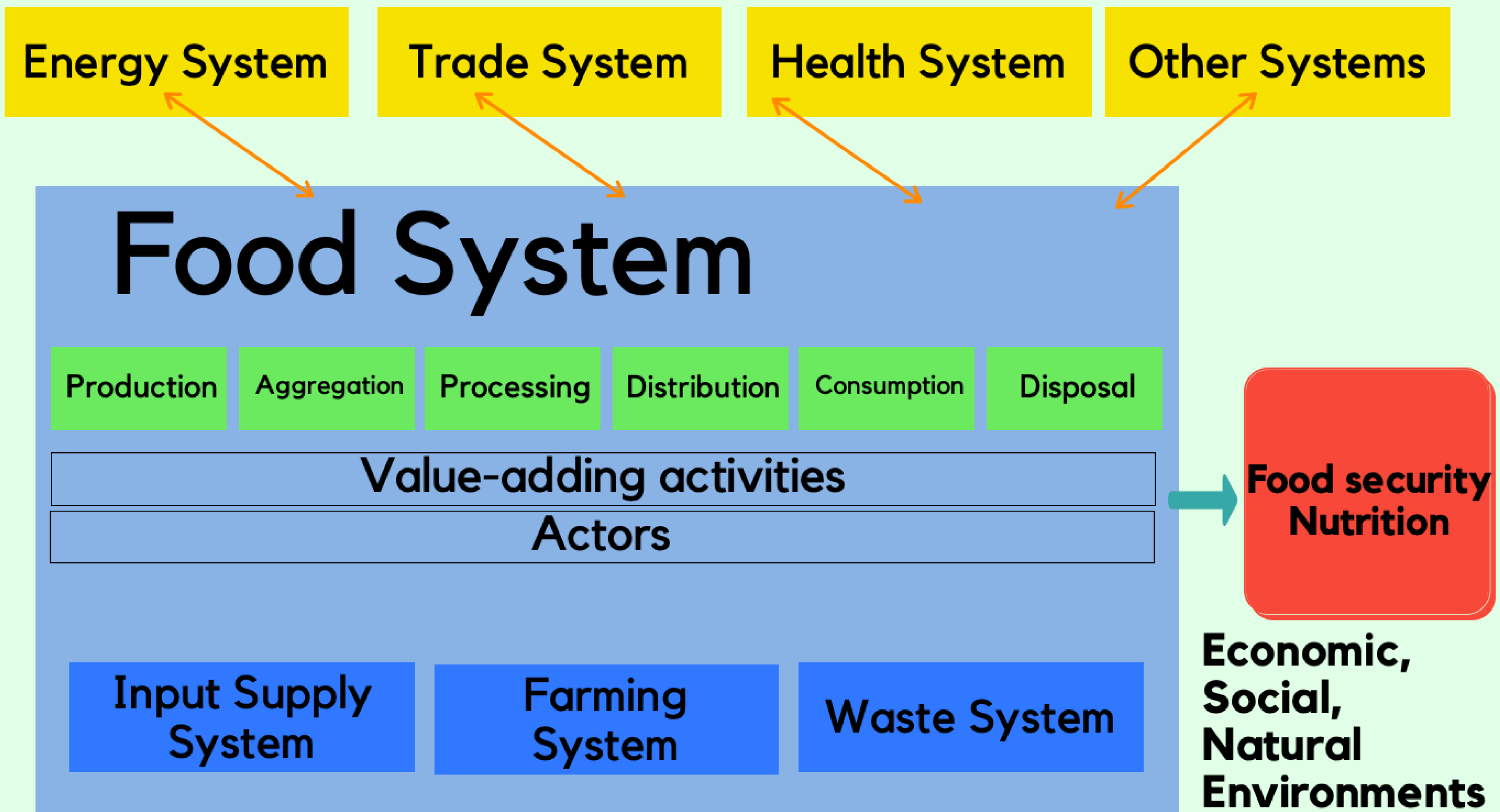
## Food and Nutrition Plan

*Strategic and action plans*



## Data, Technology, and Innovation

*Early warning system  
Monitoring and evaluation  
(database)*





# Food Systems



<https://youtu.be/I8P7egGdaTM>



**SEGURIDAD SA PAGKAIN:  
MAKING FOOD AVAILABLE  
ON EVERY TABLE**  
SEPT. 28, 10AM TO 12NN

 <b>DR. CECILIA ACUIN</b> PRESIDENT, PHILIPPINE ASSOCIATION OF NUTRITION	 <b>HON. OFELIA ALCANTARA</b> MAYOR TOLUCA, LEYTE	 <b>MS. CHERRIE ATIANO</b> PRESIDENT, CEO & FOUNDER, FARMER AGRICULTURAL SYSTEMS INTERNATIONAL	
--	---	---	---

REGISTER AT [HTTPS://BIT.LY/SEGURIDADSAPAGKAIN](https://bit.ly/seguridadsapagkain) OR WATCH THE LIVESTREAM ON FACEBOOK @PPCPS7 | PARTICIPANTS WILL RECEIVE A CERTIFICATE

2:39:48



# Policy Recommendations

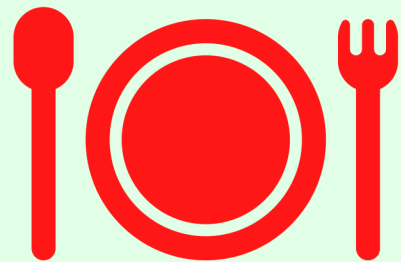


## Systems View



## Package of intervention (spatial prioritization)

*Children and lactating/pregnant  
women in poorest areas*



## Food and Nutrition Plan

*Strategic and action plans*



## Data, Technology, and Innovation

*Early warning system  
Monitoring and evaluation  
(database)*

# Policy Recommendations



## Systems View



## Package of intervention (spatial prioritization)

*Children and lactating/pregnant  
women in poorest areas*



## Food and Nutrition Plan

*Strategic and action plans*



## Data, Technology, and Innovation

*Early warning system  
Monitoring and evaluation  
(database)*

# Policy Recommendations



## Systems View



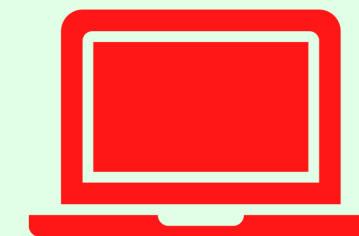
## Package of intervention (spatial prioritization)

*Children and lactating/pregnant  
women in poorest areas*



## Food and Nutrition Plan

*Strategic and action plans*



## Data, Technology, and Innovation

*Early warning system  
Monitoring and evaluation  
(database)*

# GIEWS - Global Information and Early Warning System on Food and Agriculture

[Background](#)[Reports](#)[Country Analysis](#)[Data & Tools](#)[Subscribe](#)

## CROP PROSPECTS and FOOD SITUATION



Droughts and escalating food prices create crisis conditions in East Africa

### REPORT



Crop Prospects and Food Situation

### WEBSITE



Food Price Monitoring and Analysis (FPMA)

### WEBSITE



Country Briefs - Food Security in Monitored Countries

### TOOL



Earth Observation for Crop Monitoring

<https://www.fao.org/giews/en/>



## REPORTS

- **STATUS OF FOOD SECURITY IN THE PHILIPPINES**  
Provides an in-depth analysis of the state of food security in the country
- **SITUATION AND OUTLOOK**  
Describes the current trend, medium-term expectations on food security
- **EARLY WARNING**  
Monitoring threats to food security and viable mitigation strategies
- **VULNERABILITY ASSESSMENT**  
Gauges implications of internal and external factors to food security
- **GENDER ANALYSIS**  
Describes the current gender situation in relation to food security
- **PRICE AND MARKET WATCH**  
Maps the price and market situation for selected commodities in the country
- **CROP CALENDAR**  
Provides information on sowing/planting and harvesting periods of selected PhilFSIS commodities

## COMMODITY COVERAGE

- |                |               |
|----------------|---------------|
| • Rice         | • Pork        |
| • Corn         | • Chicken     |
| • Sweet potato | • Chicken egg |
| • Banana, saba | • Bangus      |
| • Cassava      | • Tilapia     |



The Philippine Food Security Information System (PhilFSIS) is an information system containing relevant, organized, timely and accessible data related to food security.





**Nawa'y lahat ng sambahayan ay  
maging *food secure* sa hinaharap**

