

# **Creating Settings for Healthier Behaviors:**

Diet and Physical Activity

Health Promotion Bureau

Department of Health







Better health outcomes

Financial risk protection

Responsiveness



20%

## ACCESS TO CARE



Primary Care

10%

#### ENVIRONMENT







Healthy communities and surroundings, workplace, and schools

#### 3

## HEALTHY BEHAVIORS



Move more, eat right



Be clean, live sustainably



vaccinated



Don't smoke, lessen alcohol, say no to drugs

30%

Care for yo

Practic safe se

o no harm, ut safety

HEALTHY 40/

## SOCIOECONOMIC



Education



Family/Social Support



Job Status



Income



Community Safety

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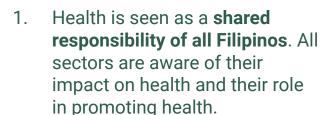
WHAT MAKES US



# Health Promotion Framework Strategy (HPFS)

By 2040, all Filipinos are competent, motivated, and supported to live a healthy lifestyle, as well as literate on health issues, health rights, and the health system. In addition, all individuals, communities, and organizations share in the responsibility for promoting health and upholding health as a human right.





- 2. Every aspect of a Filipino's life is healthy and health promoting. Environments where Filipinos live, study, or work must make the healthy choice not only possible, but the easy and obvious choice.
- 3. Filipinos, especially the youth, are empowered to be literate on health issues, to understand and act on their health rights, and to navigate the health system.



# 7 PRIORITY AREAS

Diet and Exercise
Enabling improved
nutrition and increased
physical activity

2 Environmental Health
Minimizing environmental
and climate impacts on
health

Vaccines
Reducing deaths and disabilities
from vaccine-preventable diseases



4 Substance Use
Preventing tobacco,
illicit drug use & binge
drinking

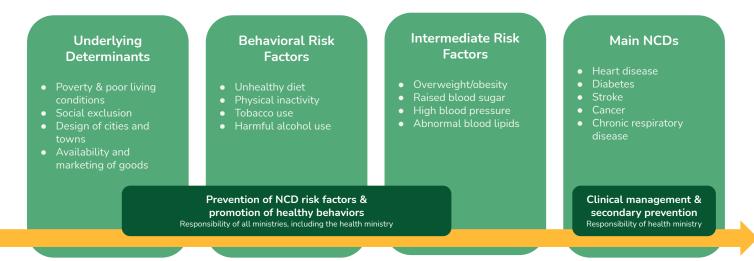
Mental Health
Increasing psychosocial and mental well-being

Sexual and
Reproductive Health
Promoting positive sexual
and reproductive behavior

Safety and Inclusivity
Fostering safe and inclusive communities

# Health promotion is part of the spectrum of interventions to reduce risk factors for NCDs and cardiovascular disease.



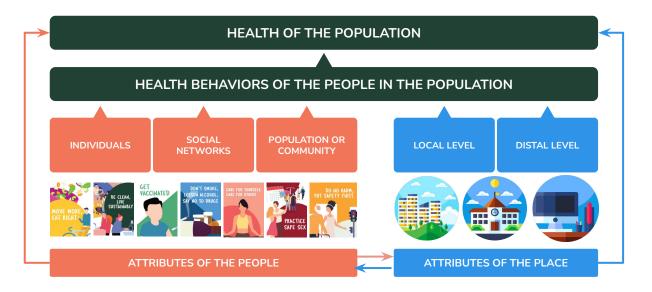


Determinants of NCDs and responsibilities for response

SOURCE: Prevention & Control of NCDs in the Philippines: The Case for Investment (WHO & UNDP 2019)









SOURCE: Health Promotion Framework Strategy (DOH HPB 2020)



# **Healthy Settings**



Healthy Communities
Healthy Cities, Healthy Villages,
Healthy Municipalities, Healthy
Markets, Healthy Homes



Healthy Schools
Health-Promoting Schools, Universities,
and Institutions



**Healthy Workplaces**Healthy Workplaces, Healthy Hospitals

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## **National-level Policy**



Tax Reform for Acceleration and Inclusion



Globally, approximately \$50,000 deaths each year can be attributed to the high inside of industrially produced Trans-Fatty Acids (TFAs.) in the Philippines, about 3,000 people each year suffer from premature mortality related to high consumption of TFAs according to the World Health Organization's Non-Communicable Disease Report in 2017. Studies have born the produced of the Philippines of the North Studies and the

The WHO recommends limiting consumption of all forms of TFA to less than 1% of total energy intake. An exposure assessment reported that children under 6 years old are at most risk for exceeding the WHO recommendation, with high-level consumers exceeding the upper limit by 150% (DOST - Food and Nutrition Research Institute, 2018). Despite the availability of such exposure assessments, there is still a lack of a more rigorous monitoring and evaluation system to further assess the impact of TFA intake among Filipinos.

With neighboring countries implementing bans on Partially-Hydrogenated Oils and setting mandatory limits on TFA content in food, the Philippines is vulnerable to dumping of TFA-rich food products in the absence of similar regulations. As such, eliminating industrially-produced TFA from the food system is the most effective and consistent means to address this dietary risk factor to reduce and prevent non-communicable diseases (NCDs),

In view of the foregoing, and guided by the World Health Organization's REPLACE action package to eliminate industrially-produced trans-fatty acids, the Department of Health issues this national policy to eliminate industrially-produced trans-fatty acids for the prevention and control of non-communicable diseases.

#### II. OBJECTIVES

This Order aims to provide a policy framework to eliminate industrially-produced TFA in the Philippines food supply by 2023. Specifically, it aims to provide guidance to reduce TFA intake among Filipinos to less than 1% of the recommended total energy intake through the

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Building 1, San Lazaro Compound, Rizal Averse, Sta. Cruz, 1003 Manita + Trunk Line 8651-7800 local 1108, 1111, 1112, 1113

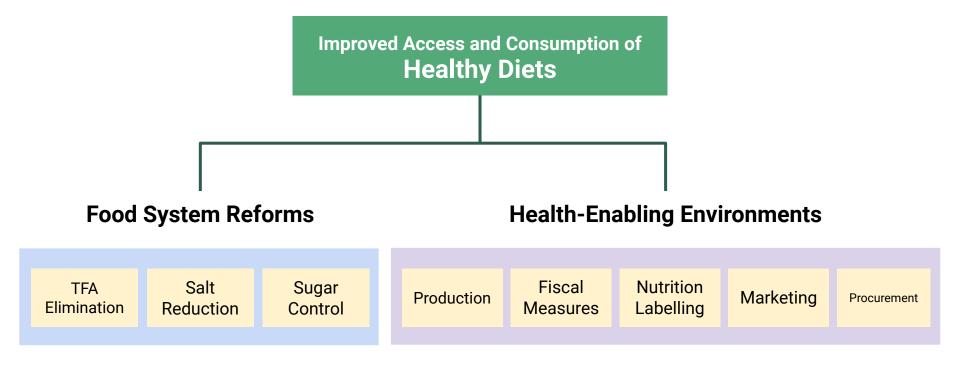
Direct Line: 8711-9502; 8711-9503 Fax: 8743-1829 • URL: http://www.doh.gov.ph; e-mail: fiduque@doh.gov.ph

Elimination of Industrially-Produced Trans-Fatty Acids

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## **Promoting Healthy Diets**





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# All-in-one guides for LGUs Health Promotion Playbook

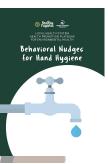
Move More, Eat Right

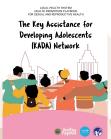
Download the Playbooks at <a href="bit.ly/HPB\_2021Playbooks">bit.ly/HPB\_2021Playbooks</a>















B Healthy CONSUMO



# Why the Playbooks?

















- The DOH acknowledges the critical role of local leadership in the implementation of COVID-19 and other health promotion interventions.
- Moving forward to the New Normal, there is a need to architect health- supportive environments to boost the
  - implementation of the minimum public health standards
  - physical, mental, and emotional wellbeing of Filipinos
- Towards this end, the DOH is expected to help capacitate local governments, and provide technical assistance as necessary.



# What's in the Playbook?



**Evidence Brief** 



Template Policy



Implementation Checklist



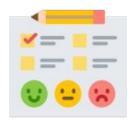
Basic Resource Requirements



Capacity-Building Requirements



Communication Plan



Monitoring & Evaluation

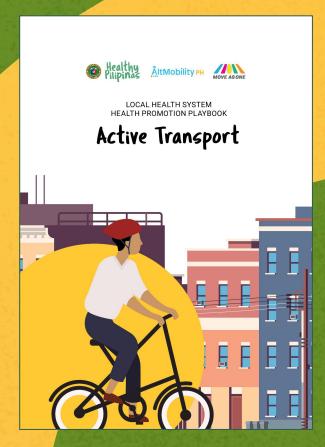


Frequently Asked Questions



Moving People, Not Cars

# Active Transport in the New Normal



# Switching to active transport has a host of benefits to health and more.





Physical distancing and good ventilation ensure lower chances of COVID-19 transmission.



Improved air quality results in gains in life years for everyone



There is a reduced risk of acquiring the NCDs most common among Filipinos.



The beneficial effects of physical activity from cycling outweigh potential risks and negative effects from injury or inhalation of pollutants.



Increased physical activity leads to healthier bodies and better mental health.

SOURCE: DOH HPB Health Promotion Playbook on Active Transport (2020)









Based on a four-hour count of bikers in four major cities in Metro Manila, money savings were estimated to reach up to P89,225.00 per km, enough to feed 219 Filipinos for a month.



equivalent to 2,136.51 kgs of rice



enough to feed
219 Filipinos
for a month

#### Other benefits:

- Accessibility Active transport is a viable transport mode for almost 90 percent of the population without private cars.
- Savings Cyclists don't have to maintain private vehicles or pay transport costs; employers have healthier and more productive employees.
- Community Desirability Land value goes up as communities become more bike-friendly; customers are likelier to return to bike-friendly stores more often.

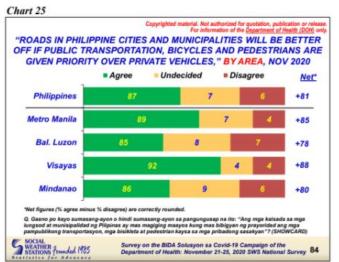
SOURCE: Metro Manila Counts (Institute for Climate and Sustainable Cities 2021)





Net agreement for both statements below is very strong in all areas and across socio-demographic groups.





SOURCE: Social Weather Stations, as commissioned by DOH (2020)

## **Evidence Brief**





Almost 90% of Filipinos are commuters, relying on public or active transport for mobility. Road systems need to be re-designed to be safer, more inclusive, more efficient, and more just.



Bicycle infrastructure can increase the number of cyclists by about 300%. The availability of cycling facilities increases bicycle commuting.



The positive effects of active transport on health, road safety, the environment, business, the efficiency of transport, and more are well-established, and these benefits outweigh risks.

#### Recommendations

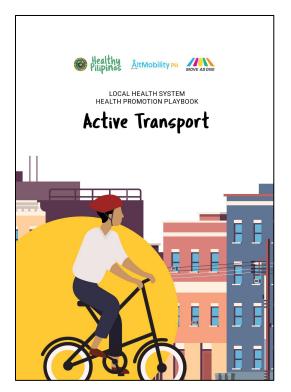
Re-design road systems to include bicycle lanes and walking paths for cyclists and pedestrians.

Map the locations of hospitals, schools, markets, parks, and transport stations, and establish networks of bicycle routes that connect communities to these essential service destinations.

Provide sufficient cycling facilities in public establishments and incentivize their provision in private establishments.







Cycling, walking, and other forms of active transport are an excellent means of reducing exposure to COVID-19 while promoting physical activity during travel — this module guides LGUs in establishing protected bicycle lanes and walking paths to promote the aforementioned during and after the pandemic.

| ACTION AREA                    | PLAYBOOK CONTENT   |
|--------------------------------|--|
| Build healthy public policy    | Template ordinance for establishing protected bike lanes                     |
| Create supportive environments | Infrastructure support   |
| Strengthen community action    | Requires cyclist participation   |
| Develop personal skills        | Training for implementers and road safety advocacy                           |
| Reorient health services       | Addressing NCD risk factors through safe and exercise-promoting environments |





#### Key features of the policy

- Active Mobility Committee
- Bicycle lane networks and pedestrian walkways
- Enforcement and penalties
- Monitoring

# What features of the policy can LGUs modify?

 Auxiliary programs, projects, and activities
 (Ex. Dev't of bicycle sharing program; provision of bicycle facilities in public areas; distribution of free bicycles to target groups; other training and awareness activities)

# **Implementation Checklist**



Engage stakeholders (Active Mobility Comm., local partners)

Finalize and roll out communication, social preparation, demand generation plans

Scale up bicycle infrastructure network across city/municipality

Develop Bicycle Lanes
Master Plan (Review
transport plans,
mapping key
establishments, etc.)

Identify human resources needed for road safety (Ex. traffic enforces)

Install bicycle facilities in government buildings and public establishments

Finalize M&E plan (key indicators, data sources, etc.)

Implement pilot bicycle lane; monitor as needed

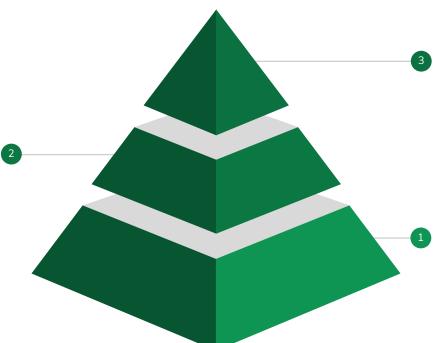
Monitor implementation & improve bicycle infrastructure accordingly





#### TIER 2: LGU-SPECIFIC TRAINING

- Audience: LGU Implementers, Local Advocates
- Contributors: UP NCTS
- Platform: Face to face
- Content: Development of bicycle lane network and infrastructure



#### TIER 3: TRAINING OF TRAINERS

- Audience: LGU Implementers, Local Advocates
- Contributors: DTV Capacity Building
- Platform: Mixed
- Content: Development of capacities to teach others to build infrastructure and advocate for active transport

#### TIER 1: BASIC TRAINING

- Audience: LGU Implementers, General Public
- Contributors: Move As One, DOTr & DPWH, Dutch Embassy, World Bank
- Platform: DOH Academy
- Content: Basic information on active transport infrastructure and promotion





| ltem                                   | Cost         | Units | Total Cost   |
|--|--------------|-------|--------------|
| Traffic barriers One barrier per meter | 1,000.00     | 1000  | 1,000,000.00 |
| Lane markers                           | 50.00        | 1000  | 50,000.00    |
| Signages One signage per 5 meters      | 4,000.00     | 200   | 800,000.00   |
| Road pavement improvement              | 1,000.00     | 1000  | 1,000,000.00 |
| *Lowe                                  | 2,850,000.00 |       |              |

# **Monitoring and Evaluation**



- M&E will be done through mapping, aggregated daily monitoring, road incident, and traffic violation reports, ocular visits, and observation.
- **Tools** included in the Playbook:
  - Template reporting form

#### **Indicators**

- Increase in number of bicycle users
- Total length of established bicycle lanes
- Decrease in bicycle related road incidents

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## **Communication Materials**







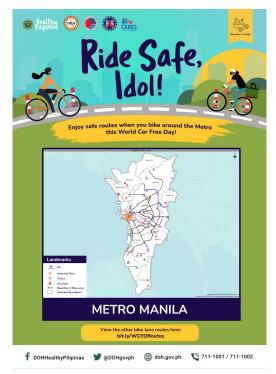












## Case Study: Municipality of Cordova, Cebu







SOURCE: Municipality of Cordova (2021)

- 1. The Municipality recently launched a **1.5 km** bicycle lane with the help of a Php 2.85 mn sub-allotment grant from DOH-HPB.
- 2. Another 19.7 km of bicycle lanes are planned to be developed between 2021 and 2025.

| INDICATOR                    | BEFORE    | AFTER                        |
|------------------------------|-----------|------------------------------|
| Established bike lanes       | 0 km      | 1.5 km<br>18,7 km planned    |
| Number of bicycle users      | 361 users | 1,538 users<br>326% increase |
| Bicycle-related road crashes | 2 (2020)  | 0 (2021)                     |





- Civil society is actively lobbying for the development of bicycle infrastructure in the city through data.
- 2. The Bicol State College of Applied Sciences and Technology (BISCAST) is monitoring the use of active transport in Naga City.
- 3. Metro Naga also showed more bicycles than private vehicles on its roads despite the lack of formal bicycle lanes in the city.

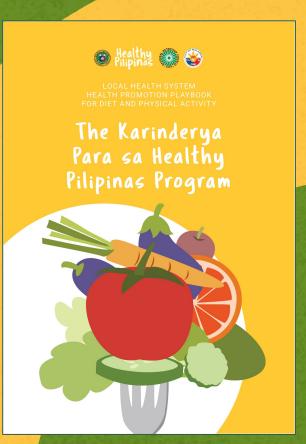
| BICYCLE AND PRIVATE VEHICLE COUNTS IN NAGA CITY |               |                     |             |
|---|---------------|---------------------|-------------|
| ROUTE   | TIME          | PRIVATE<br>VEHICLES | BICYCLES    |
| Peñafrancia Ave. N.                             | 6:00 - 7:00   | 14 vehicles         | 38 bicycles |
| Peñafrancia Ave. S.                             | 6:00 - 7:00   | 11 vehicles         | 15 bicycles |
| Bypass Road N.                                  | 7:00 - 8:00   | 31 vehicles         | 55 bicycles |
| Bypass Road S.                                  | 17:00 - 18:00 | 28 vehicles         | 40 bicycles |
| Milaor Gainza<br>Camaligan E.                   | 7:00 - 8:00   | 3 vehicles          | 24 bicycles |
| Milaor Gainza<br>Camaligan W.                   | 7:00 - 8:00   | 7 vehicles          | 12 bicycles |

**SOURCE:** BISCAST - Engr Edmer Flores Transport Eng'g Class (13 Jan 2021)



Improving Access to Dietary Supplementation

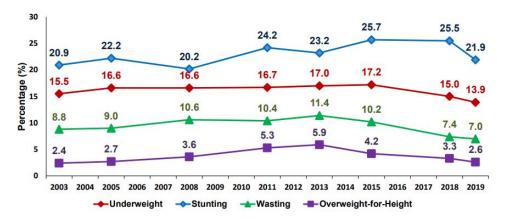
# Karinderya Para sa Healthy Pilipinas







There are still many children who are stunted or wasted; or who have micronutrient deficiencies. One in five Filipino children under two are stunted.



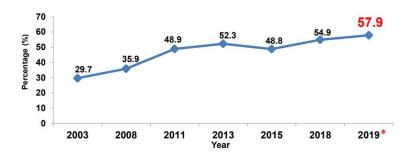
Prevalence of malnutrition among Filipino children 0-23 months old, 2003-2019

**SOURCE: ENNS (2019)** 

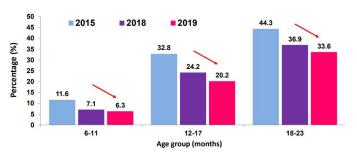


# **Poor nutrition** continues to be a problem in the Philippines.

Poor infant and young child feeding practices contribute significantly to child malnutrition. **Not enough children** are exclusively breastfed, or are reaching the minimum dietary diversity.



Proportion of infants 0-6 months old exclusively breastfed at time of survey: 2003-2019



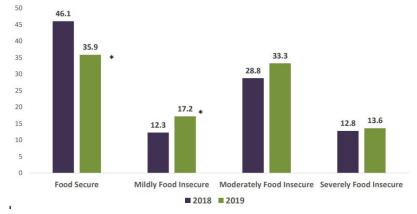
Proportion of Filipino children meeting the minimum dietary diversity by age group: 2015-2019

SOURCE: ENNS (2019)





**64.1 percent** of Filipino households have experienced **food insecurity** according to data from 2019. This was higher than the previous year, and is expected to have risen during the pandemic.



17.2% mildly food insecure+ 33.3% moderately food insecure+ 13.6% severely food insecure

64.1% are food insecure

Households by food security status, 2018 vs. 2019

**SOURCE: ENNS (2019)** 

# **Case Study: Malabon City**





SOURCE: Malabon City NAO (2020)

- The program is a 120-day dietary supplementation activity focusing on maternal nutrition and IYCF.
- 2. It features task-sharing between the BNS and karinderya owners for meal preparation & attendance monitoring.
- 3. The karinderya also becomes the designated community kitchen for other health emergencies.
- The program greatly reduced budget and food waste due to logistical advantages.

| Stunting: Malabon vs. the Philippines |               |               |  |
|---------------------------------------|---------------|---------------|--|
|                                       | Before After  |               |  |
| Malabon                               | 12.09% (2015) | 6.94% (2018)  |  |
| Country                               | 33.40% (2015) | 30.30% (2018) |  |

## **Evidence Brief**





# Dietary supplementation can improve the nutritional status of key populations

Children under five, pregnant women, lactating women



# The local karinderya can champion nutrition at the community level

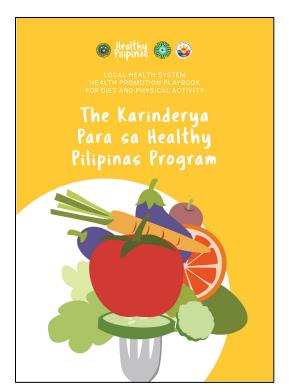
As a familiar food source, it offers a unique opportunity for engaging implementation of dietary supplementation

#### Recommendations

Engage with and capacitate local karinderya partners for the delivery of community-based dietary supplementation activities.







The continuation and success of dietary supplementation are key to addressing undernutrition during the COVID-19 pandemic — this module mobilizes local karinderya in preparing nutritious food for dietary supplementation beneficiaries, allowing Barangay Nutrition Scholars to focus on nutrition counseling and education, providing beneficiaries with a physically, socially, and culturally close source of dietary supplementation, & reducing food and budget waste.

| ACTION AREA                    | PLAYBOOK CONTENT  |
|--------------------------------|---|
| Build healthy public policy    | Template ordinance for institutionalizing karinderyas as nutrition service providers; template service contract |
| Create supportive environments | Expansion of supplemental feeding services for malnutrition   |
| Strengthen community action    | Harness local karinderyas   |
| Develop personal skills        | Builds nutrition KAP  |
| Reorient health services       | Karinderyas as local hub for healthy food choices   |





#### Key features of the policy

- Local Nutrition Committee
- Engagement with partner karinderyas
- Conduct of nutrition counseling, nutrition education, to complement the dietary supplementation
- Monitoring and evaluation
- Appropriations

# What features of the policy can LGUs modify?

- Engagement with partner karinderyas during disaster relief operations
- Auxiliary nutrition-related activities

(Ex. Banning junk food, SSB near schools; implementing nutrition standards in *karinderyas* & street food; institutionalizing the establishment of *talipapas* in food deserts; mainstreaming supply chains b/w agri workers and karinderyas; creating bicycle lanes and open spaces)





#### Memorandum of Agreement:

#### Key features of the agreement

- Partner Karinderyas designated as community kitchen for 120-days
- Paid per beneficiary fed per day; and payment facilitated in a timely manner
- LGU to capacitate karinderyas on minimum skills and capacities; provide them with a cycle menu and meal recipes
- Karinderya to undergo training; prepare and serve food items and services; ensure the availability of handwashing facilities

#### ANNEX 2B. Template Service Contract Agreement

#### SERVICE AGREEMENT

#### KNOW ALL MEN BY THESE PRESENT:

This Agreement executed and entered into this \_\_\_\_ day of \_\_\_\_\_\_, 2021 in [Name of City/Municipality], Philippines by and between:

THE [NAME OF CITY/MUNICIPALITY], with principal office address at [Address of the City/ Municipal Office], represented herein by its Local Chief Executive, [NAME OF MAYOR], hereinafter referred to as the LOCAL GOVERNMENT.

and .

THE KARINDERYA OWNERS AND OPERATORS, represented by the following proprietors including their business addresses, hereinafter referred to as the PARTNER KARINDERYAS;

| Proprietor           | Name of Karinderya | Karinderya Address |
|----------------------|--------------------|--------------------|
| Partner Karinderya 1 |                    |                    |
| Partner Karinderya 2 |                    |                    |
| Partner Karinderya 3 |                    | -                  |

#### WITNESSETH:

WHEREAS, the Philippine Plan of Action for Nutrition 2017-2022, as an integral part of the Philippine Development Plan 2017-2022, considers and directs its interventions toward improving maternal, infant, and young child nutrition for the realization of the development pillars of Ambisyon 2040: malasakit (protective concern), pagbabago (transformation), and kaunlaran (development);

# Implementation Checklist



#### Role of the Local Health Office or Health Promotion Unit

 Assist in the implementation of the Karinderya Para sa Healthy Pilipinas project



Identify & engage beneficiaries



Plan budget, cycle menu, implementation



Orient & set up Partner Karinderyas



Organize day-to-day operations

2. Oversee the **monitoring and evaluation** of the pilot and/or formal project roll-out











| ltem  | Unit Cost | No. of<br>Units | No. of<br>Times | Cost         |
|---|-----------|-----------------|-----------------|--------------|
| Hot meals (Children under 5 y/o)            | 26.00     | 600             | 120 days        | 1,872,000.00 |
| Hot meals (Pregnant women)                  | 27.00     | 130             | 120 days        | 421,200.00   |
| Hot meals (Lactating women)                 | 28.00     | 70              | 120 days        | 235,200.00   |
| Compensation (Barangay Nutrition Scholar)   | 12,000.00 | 10              | 4 months        | 480,000.00   |
| Compensation (Barangay Nutrition Patroller) | 3,000.00  | 10              | 4 months        | 120,000.00   |
|   |           |                 | Total Cost      | 3,128,400.00 |

Sample for 120 day dietary supplementation program, 100,000 population, 10 barangays

# Monitoring and Evaluation



- M&E will be done through regular weight monitoring, operational monitoring, and KAP pre- and post-testing.
- Tools included in the Playbook:
  - Karinderya monitoring sheet
  - Attendance monitoring sheet
  - Weight monitoring sheet
  - KAP survey

#### Indicators

- Number or percentage of partner karinderya compensated based on agreed-upon timeline
- Beneficiaries' attendance to 120-day dietary supplementation activities
- Number or percentage of beneficiaries with increased weight or improved nutritional status
- Percentage of beneficiaries with improved KAP after graduation OR percentage of beneficiaries with retained nutritional status one year after graduation

### **Communication Materials**



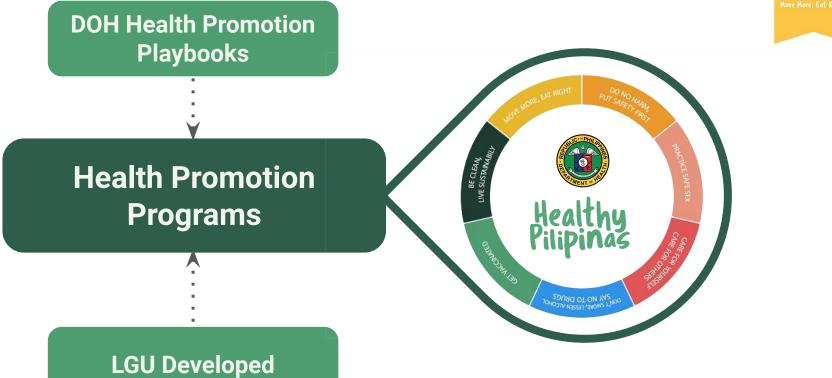












# Equipping Communities through the Health Promotion Playbook

Move More, Eat Right

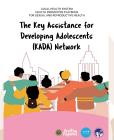
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