# THE PHILIPPINE PLAN OF ACTION FOR NUTRITION 2017–2022

Sa PPAN, panalo ang BAYAN!

A call for urgent action for Filipinos and its leadership.



| Philippine Plan of Action for Nutrition 2017-2022   |
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| Published by the National Nutrition Council<br>2332 Chino Roces Avenue Extension, Taguig City, Metro Manila 1630<br>Telephone No. +632-892-4271   |
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| ISSN/ISBN No  |
| Suggested Citation: National Nutrition Council. Philippine Plan of Action for Nutrition 2017-2022. Manila, Philippines 2017   |
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# NNC Governing Board Resolution Approving and Adopting the Philippine Plan of Action for Nutrition (PPAN) 2017-2022

## Republic of the Philippines NATIONAL NUTRITION COUNCIL

#### NNC GOVERNING BOARD RESOLUTION Resolution No. 1, Series of 2017

Approving and Adopting the Philippine Plan of Action for Nutrition (PPAN) 2017-2022

WHEREAS, maternal and child undernutrition continue to be of alarming levels in the Philippines as reported by the National Nutrition Surveys conducted by the Food and Nutrition Research Institute;

WHEREAS, these nutritional problems have economic and social costs to the country;

WHEREAS, these nutritional problems deprive Filipinos of their right to food and good nutrition;

WHEREAS, the country has committed to pursue the 2030 Agenda for Sustainable Development and the Sustainable Development Goals, particularly the goal on ending hunger, achieving food security, and improving nutrition; and the Global Targets 2025 for Maternal, Infant and Young Child Nutrition;

WHEREAS, global evidence has established the need for nutrition-specific and nutrition-sensitive interventions, the former referring to interventions that address the immediate causes of undernutrition most of which are in the health sector and the latter to interventions that have other objectives but have been tweaked to contribute to nutritional outcomes, and enabling strategies;

WHEREAS, the attainment of nutritional well-being is a main responsibility of families but duty bearers like government organizations and non-government organizations should help the families especially the marginalized, to be able to provide for their own nutritional needs;

**NOW, THEREFORE, BE IT RESOLVED AS IT IS HEREBY RESOLVED**, in consideration of the foregoing, we the National Nutrition Council Governing Board as the country's highest policy-making body on nutrition do hereby approve and adopt the PPAN 2017-2022;

RESOLVED FURTHER, that we commit our departments or agencies or organizations to:

- 1. Pursue the programs and projects herein specified and continue to identify new ones in the course of the plan's implementation and in ensuring availability of needed resources;
- 2. Ensure the availability of needed resources, by, among others, including related budgetary requirements in the agency budget proposal;

- 3. Ensure reporting of related physical and financial accomplishments and nutrition statistics as applicable;
- 4. Advocate for nutrition to be a perspective and component of our policies, plans and programs;

**RESOLVED FURTHER**, for the National Nutrition Council Secretariat to ensure that the plan is disseminated as widely as possible to enable stakeholders to align their efforts along the priority concerns;

**RESOLVED FURTHER**, for the National Nutrition Council Secretariat to facilitate the formulation of annual program plans for the PPAN 2017-2022;

**RESOLVED FURTHER**, for the National Nutrition Council Secretariat in coordination with relevant agencies, to complete the results framework and to facilitate the formulation of annual program plans thereafter;

**RESOLVED FURTHER**, for the National Nutrition Council Secretariat to monitor and to ensure the full implementation of this resolution.

Approved this 21st day of February 2017.

PAULYN JEAN B. ROSELL-UBIAL, MD, MPH, CESO II

Secretary of Health and Chairperson

National Nutrition Council Governing Board

Attested:

Assistant Secretary of Health Maria-Bernardita T. Flores, CESO II

Council Secretary and Executive Director IV

National Nutrition Council



CONFORME:

EMMANUEL F. PINOL

Secretary of Agriculture

Vice-Chairperson, NNC Governing Board

grow her

ISMAEL D. SUENO

Secretary of the Interior and Local Government Vice-Chairperson, NNC Governing Board

BENJAMIN E. DIOKNO

Secretary of Budget and Management Member, NNC Governing Board LEONOR M. BRIONES

Secretary of Education

Member, NNC Governing Board

SILVESTRE H. BELLO III

Secretary of Labor and Employment Member, NNC Governing Board FÓRTUNATO T. DELA PEÑA

Secretary of Science and Technology Member, NNC Governing Board

MDY M. TAGUIWALO

Secretary of Social Welfare and Development Member, NNC Governing Board **ERNESTO M. PERNIA** 

Secretary of Socio-Economic Planning and Director-General, National Economic and Development Authority

Member, NNC Governing Board

RAMON M. LOPEZ

Secretary of Trade and Industry Member, NNC Governing Board





## **ACKNOWLEDGEMENT**

The NNC thanks all the stakeholders and partners who took part in the development of the Philippine Plan of Action for Nutrition 2017-2022.

We recognize the continued support of various agencies and personalities who participated in various consultations. They are the Officers and members of the Board of the Luzon Visayas Mindanao BNS Federation, the District/City Nutrition Program Coordinators Association of the Philippines, and Nutrition Action Officers Association of the Philippines; representatives from government agencies, specifically DA, DBM, DepEd, DOH, DOST-FNRI, DSWD, DTI, FDA, NAPC, NEDA, NFA, PCA, Office of the Cabinet Secretary; non-government agencies, particularly the Philippine Coalition of Advocates for Nutrition or PhilCAN represented by ICM, IIRR, KMI, SCF, *Kabisig ng Kalahi* Inc.; development partners particularly, FAO, UNICEF, WFP, WHO, the academe (Ateneo, UPLB-BIDANI), and the LGU of Calamba.

We likewise express our appreciation to Dr. Juan Solon of the Nutrition Center of the Philippines for sending very incisive comments and Dr. Rodolfo F. Florentino, who while long retired continues to participate in efforts to achieve good nutrition in the Philippines.

PPAN 2017-2022 was formulated with technical support from a team of consultants led by Cecilio L Adorna. Members of the consulting team are: Dr. Corazon VC. Barba, Mr. Richard Prado, Dr. Jocelyn Juguan, Ms. Ellen Villate, Ms. Mary Ann Maglipon, Ms. Maru Tinio, Ms. Rhea De Leon, and Mr. Michael Timbang. The Micronutrient Initiative and UNICEF provided funding support for plan formulation.

# Philippine Plan of Action for Nutrition 2017-2022

#### A call to urgent action for Filipinos and its leadership

The Philippine Plan of Action for Nutrition (PPAN) 2017-2022 is an integral part of the Philippine Development Plan 2017-2022. It is consistent with the Duterte Administration 10-point Economic Agenda, the Philippine Health Agenda, the development pillars of *malasakit* (protective concern), *pagbabago* (change or transformation), and *kaunlaran* (development), and the vision of *Ambisyon* 2040. It factors in and considers country commitments to the global community as embodied in the 2030 Sustainable Development Goals, the 2025 Global Targets for Maternal, Infant and Young Child Nutrition, the 2014 International Conference on Nutrition.

It is a results-based plan with SMART results at different levels designed in a results framework.

It consists of 8 nutrition-specific programs, 5 major categories of nutrition-sensitive programs, and 3 enabling programs. Member agencies of the National Nutrition Council (NNC), namely, Department of Health, Department of Agriculture, Department of Social Welfare and Development, Department of Education, Department of Budget and Management, Department of Labor and Employment, Department of Trade and Industry, National Economic Development Authority, Department of Interior and Local Government, and the Department of Science and Technology, other national government agencies, local government units (LGUs), non-government organizations (NGOs), academic institutions, and development partners can undertake one or more of these programs. For better accountability, a member agency of the NNC Governing Board has been designated as lead for these programs. For some programs, the designated lead is the NNC Secretariat.

At the regional level, a Regional Plan of Action for Nutrition (RPAN) will be formulated to capture initiatives of regional offices of member agencies of the Regional Nutrition Committee along the PPAN programs for 2017-2022. The National PPAN Implementation Plan will be updated annually.

At the local level, local nutrition committees will formulate or reformulate their respective nutrition action plans (LNAPs). These plans, while formulated along the PPAN programs, will consider the locality's nutrition problems, and causes. Per guidelines these LNAPs should cover the three-year term of the local chief executive, and relevant items integrated in the annual investment program of the LGU.

The National Nutrition Council Secretariat led and coordinated plan formulation. Plan formulation started with the conduct of a nutrition landscape analysis commissioned by NNC with support from Micronutrient Initiative, now Nutrition International, and the United Nations

Children's Fund (UNICEF). A team of Filipino consultants conducted the assessment from August to October 2016 using landscape analysis based on document reviews, focus group discussions, key informant interviews, inter-sectoral consultations, and validation meetings with a wide range of stakeholders. The results of the analysis are contained in a separate document "Situation Analysis of Nutrition in the Philippines". However, its key findings are in the first part of the plan document.

Plan formulation was participatory, inter-sectoral, and multi-level. It engaged the participation of the NNC member agencies and their department senior officials at the national and regional levels as well as members of provincial and municipal nutrition committees of LGUs where the FGDs were held, i.e., 6 regions, 5 provinces, and 22 cities and municipalities.

Two consultation meetings, prior to the drafting of the plan and after the plan was drafted, were convened to ensure a wide participation in plan formulation. The first round of consultation with an inter-sectoral group of 16 agencies joined by development partners and the academe was held in Tagaytay City on 12-16 September 2016. During the consultation, the national nutrition situation was reviewed together with issues related to policy and program formulation and implementation. The overall strategy and programs for PPAN 2017-2022 was agreed on during this consultation.

The second round of consultation was held in Cebu on 17-18 November 2016. During this consultation, more specific directions for the programs identified in the Tagaytay workshop were discussed and refined.

This was followed by two more meetings of the NNC Technical Committee on 23 November 2016, and 12 January 2017 before the final approval of the NNC Governing Board on 21 February 2017.

Even as the PPAN 2017-2022 was being formulated, related concerns were brought into discussions of relevant sectors of the Philippine Development Plan, e.g. agriculture, fisheries and forestry.

# Chapter



## SITUATIONAL ANALYSIS

#### 1.1 Snapshot of the Nutrition Situation in the Philippines

The nutrition situation in the country in 2016 is alarming. The snapshot below gives a loud call to action.

Current indicators of nutritional status show the prevalence of wasting, stunting, micronutrient deficiencies and overweight among children and women are high and of public health significance.

The trend of indicators of nutritional status shows a lack of improvement and in some cases worsening from 2003-2015.

The country did not reach major targets in the two six-year (2005-2010 and 2011-2016) Philippine Plans of Action for Nutrition and the food and nutrition security goals of the Millennium Development Goals (MDGs).

The cost of malnutrition in the country in terms of mortality and productivity, has reached excessive levels for the country to ignore. Child malnutrition is associated with the two major diseases affecting children and with about half of under-five mortality.

The Philippines' nutritional status ranks among the poorest among ASEAN and other developing countries.

Higher prevalence of malnutrition is exhibited in Regions ARMM, Eastern Visayas, MIMAROPA, geographically isolated and disadvantaged areas (GIDAs), territories where indigenous peoples are living, regions vulnerable to climate and man-made disasters including conflict. There appears to be a pattern associating malnutrition with poverty, isolation, vulnerability to natural and man-made disasters. Added to this is the growing prominence of adolescent pregnancy.

While recent poverty and hunger reports in 2016 show a decline in the incidence of poverty and hunger, food security is precarious, particularly among the poor who constitute a significant proportion of Filipino households.

#### 1.2 Manifestations of Nutritional Problems

#### 1.2.1 Current State of Malnutrition

Of the total 11.4 million preschool children, 33.4 percent are stunted, equivalent to 3.8 million children. There are 807,057 (7.1 percent) wasted children 0-59 months. Overweight children are estimated at 443,313 (3.9 percent) in 2015, a condition that often has its origin in childhood malnutrition (**Figure 1**). For the older 5-10 years and the 10.08-19 years old, the corresponding figures are 8.6 percent and 9.2 percent, equivalent to about 927,000 children and 1.7 million children, respectively. Overweight and obesity are two forms of overnutrition. While there is an indication that overnutrition is an emerging concern in children 0-19 years old, this is overt in adults 20 years and above. In 2015, three in ten (31.1 percent) adults were overweight/obese.

Deficiency in key nutrients in child survival, iron, and vitamin A, remain a public health concern among infants 6-11 months, while iodine deficiency disorders (IDD), critical in brain development of the unborn and very young child, has not been eliminated among pregnant and lactating women.

Hunger continues to be a major concern as 69.0 percent (about 15.8 Filipino households) were reported as not meeting the recommended energy intake in 2015.

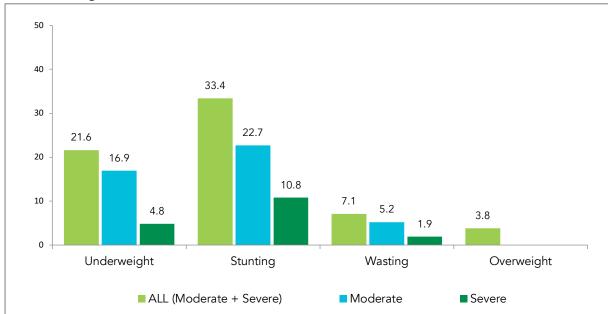


Figure 1. Prevalence of Malnutrition in Children Under Five Years Old

Source: 2015 NNS, DOST-FNRI

#### 1.2.2 Stunting in the First 1000 days is irreversible.

Four National Nutrition Surveys (NNS) from 2008 to 2015 consistently show that between 10 and 15 percent of children below six months are already stunted and at this level, stunting is considered a low public health problem but a problem, nonetheless. Between the 6-11 months of life, the stunting prevalence worsen and continue to get worse in the second year, then plateau between the second and third year. **Figure 2** clearly illustrates the pattern of deterioration and subsequent prevalence of stunting in later life suggests that the damage has been done by the first two years in a child's life.

50 40 30 20 10 0-5 months 6-11 months 1 year old 2 years old 3 years old 2008 11.6 27.7 14.3 40.1 41.2 2011 14.1 16.2 33.6 39.3 41.5 2013 13.1 16.2 31.5 35.7 35.4 2015 12.7 17.3 36.2 38.4 38.6

Figure 2. Trends in the Prevalence of Stunting in Children from Birth to Three Years: NNS, 2008 to 2015

Source: 2015 NNS, DOST-FNRI

#### 1.2.3 Trends in child malnutrition

The trend in four major indicators of nutritional status is also worrying. **Figure 3** shows the trends from 2003 to 2015, equivalent to about 13 years and coincides largely with the two six-year PPANs of 2005-2010 and 2011-2016. The problems of underweight and stunting have not changed significantly from their levels between 2003 and 2015 while the problem of wasting and overweight even worsened. Wasting at 7.1 percent as per 2015 NNS is above the threshold that WHO considers of public health significance.

<sup>50</sup>44.5 40.5 40 38.9 40 35.9 33.8 33.7 33.4 32.9 32.2 30.3 .3 3027 26.6 25.6 23.8 23.6 23 21.5 20.7 20.6 20 20.2 20 20 8.0 7.5 7.8 7.3 7.1 6.2 6.8 6.8 1062 6.1 5.8 6.0 4.3 2.9 1.7 2.3 1.9 2.1 1.7 1994 1999 1989 2004 2009 2014 Stunting Underweight Wasting Overweight-for-height

Figure 3. Trends in the Prevalence of Malnutrition among Children Under Five Years Old: NNS, 1989-2015

Source: 1989-2015 NNS, DOST-FNRI

#### 1.2.4 Performance of PPAN and MDG

Table 1 shows the PPAN 2005-2010 and 2011-2016 targets and accomplishment.

In the PPAN 2005-2010, targets were defined for underweight and stunting and for micronutrient deficiencies but were left undefined for wasted children under-five and thin children 6-10 years old, as well as for overweight and obesity.

Of the 16 listed targets, only five were achieved and the rest were not. Worth noting is that the target for underweight children under five years old was achieved (target: 21.6%, 2011 NNS: 20.2%) while the target for stunting (25.4%) was missed (2011 NNS: 33.6%).

Among the micronutrient deficiencies, the targets for anemia in pregnant and lactating women were met, while the target for infants and preschool children was not met. For vitamin A deficiency (VAD), the targets for pregnant women and lactating mothers were achieved but not for pre-school children 6-60 months old. The targets for iodine deficiency disorders (IDD) reduction in children 6-12 years old was achieved but not for pregnant women and lactating mothers. Figures in red font indicate that target was not achieved based on the results of the NNS.

Table 1. Performance of PPAN 2005-2010 and PPAN 2011-2016

| Prevalence/Proportion (%)  | Target, PPAN<br>2005-2010                         | NNS data,<br>2008 and<br>2011 | Target, PPAN<br>2011-2016 | NNS data,<br>2013 and<br>2015 |
|--|---|-------------------------------|---------------------------|-------------------------------|
| HUNGER   |   |                               |                           |                               |
| Households with inadequate calorie   | 44.0  | 66.9                          | 32.8                      | 69.0                          |
| intake   |   |                               |                           |                               |
| UNDERWEIGHT-FOR-AGE, STUNTING, V   |   |                               |                           |                               |
| Underweight under-five children  | 21.6  | 20.2                          | 12.7                      | 21.5                          |
| Stunted under-five children  | 25.4  | 33.6                          | 20.9                      | 33.4                          |
| Wasted under-five children   | N/A   | 7.3                           | <5.0                      | 7.1                           |
| Underweight children 5-10 years old (IRS)  | 22.6  | 32.0                          | 21.8                      | 31.2                          |
| Thin children 5-10 years old   | N/A   | 8.5                           | 8.1                       | 8.3                           |
| CED among pregnant women (2005-<br>2010) or nutritionally- at-risk pregnant<br>women (2011-2016) | 20.9  | 25.0                          | 22.3                      | 24.7                          |
| Low birth weight   | contribute to<br>reduction in<br>LBW <sup>1</sup> | 19.6                          | < 19.6                    | 21.0 <sup>2</sup>             |
| OVERWEIGHT & OBESITY   |   |                               |                           |                               |
| Children, 0-59 months old  | N/A   | 4.3                           | ≤3.3                      | 3.9                           |
| Children 5-10 years old  | N/A   | 7.4                           | ≤6.5                      | 8.5                           |
| Adults, 20 years and above   | N/A   | 28.4                          | ≤26.6                     | 31.1                          |
| MICRONUTRIENT DEFICIENCIES<br><mark>Anemia, percent with hemoglobin level be</mark> i            | low recommended                                   | Llevel                        |                           |                               |
| Infants (6-11 months old)  | 41.7  | 55.7                          | <40                       | 40.5                          |
| One-year old children  | N/A   | No data                       | <40                       | 24.7                          |
| Children 1-5 years old   | 15.1  | 20.9                          | N/A                       | 11.2                          |
| Children 6-12 years old  | 25.5  | 19.8                          | N/A                       | 11.1                          |
| Pregnant women   | 42.1  | 42.5                          | <40                       | 24.6                          |
| Lactating mothers  | N/A   | 31.4                          | <40                       | 16.7                          |
| Vitamin A deficiency (VAD), percent of pop   |   |                               |                           |                               |
| Pre-school children, 6-60 months   | 14.9  | 15.2                          | <15                       | 20.4                          |
| Pregnant women   | 10.9  | 9.2                           | <15                       | 9.0                           |
| Lactating mothers  | 14.9  | 6.0                           | <15                       | 5.0                           |
| odine deficiency based on urinary iodine o   | oncentration (UIC)                                |                               |                           |                               |
| Children, 6-12 years old   |   |                               |                           |                               |
| Median UIE (ug/L)  | At least 100                                      | 132                           | At least 100              | 168                           |
| Moderate and severe (%)  | <20%  | 19.7                          | <20%                      | 14.6                          |
| Pregnant women   |   |                               |                           |                               |
| Median UIE (ug/L)  | N/A   | 105                           | At least 150              | 105                           |
| Lactating mothers  |   |                               |                           |                               |
| Median UIE (ug/L)  | N/A   | 81                            | At least 100              | 77                            |
| Moderate and severe (%)  | 20.0%   | 34.0                          | N/A                       | 34.3                          |

<sup>&</sup>lt;sup>1</sup>Low birth weight in 2003 was 20.3 percent, according to the National Demographic and Health Survey (NDHS)

Sources: National Nutrition Council; Food and Nutrition Research Institute; and Philippine Statistics Authority

<sup>&</sup>lt;sup>2</sup>LBW data from NDHS

N/A – no target set

PPAN 2011-2016 had 22 outcome targets, only seven of which were achieved.

Four key PPAN outcomes for underweight, wasting, stunting and overweight are included in those targets that were not met. As a signatory to the Millennium Declaration, the Philippines committed to achieve the targets and milestones of the Millennium Development Goals in 2015: elimination of extreme poverty and hunger, halving the prevalence of underweight in children under five years old, and halving the proportion of households meeting the minimum calorie requirement between 1990 and 2015. The NNS data from 1989 to 2015 were used to track the country's progress and achievements in these indicators.

Halving the 27.3 percent 1989 baseline means a target prevalence of 13.6 percent in 2015, requiring annual reductions of 0.53 percentage points. At the end of MDG period, the actual prevalence of underweight among children less than five years old is 21.5 percent, eight percentage points off target. Halving the 1993 prevalence of 74.2 percent households who had deficient energy intakes to 37.1 percent in 2015 could not be achieved. The NNS result in 2015 for households who had deficient energy intakes stood at 69.0 percent.

#### 1.2.5 Cost of malnutrition to the economy

The Philippine economy lost a total of Php 328 billion in 2013 due to the impact of child stunting on education and productivity, equivalent to 2.84 percent of the country's gross domestic product (Save the Children Philippines, 2016)<sup>1</sup>. The cost covers grade-level repetition based on the Department of Education data and productivity loss due to low grade level achievement or premature deaths among economically active adults.

The estimate of Save the Children, while higher than the estimate of the UNICEF study, is consistent. The latter study estimated about USD 3.99 billion annual cost of the status quo of nutrition programming in the Philippines.

economic outcomes like productivity and income (Hoddinott et al., 2013 cited in Save the Children Philippines, 2016).

<sup>&</sup>lt;sup>1</sup>The costs of grade-level repetitions and keeping primary and secondary students in school was calculated at 1.23 billion pesos, equivalent to 0.01 percent of the 2013 GDP. There were 48,597 stunted students from the total repeater population of 330,418. Grade-level repetition in 2013 was 33 percent higher among the stunted before age five compared to those who were not and were more common among primary students. Forty-three (43) percent of the total cost was shouldered by the families; the rest was subsidized by the public education system. Stunting among all the indicators, is considered to be more predictive of

Estimates of workforce productivity loss due to child stunting amount to 326.5 billion pesos or 2.83 percent of the GDP. They consist of 166.5 billion pesos for lost income because of lower education level achieved by workers who suffered childhood stunting and 160 billion pesos for productivity loss due to 830,000 premature deaths of potential workers. The 57 percent of working-age population who were stunted during their early years have lower completed years of schooling (5.74 years compared to 7.16 years for the non-stunted). Less work opportunities and reduced potential income translate to 1.44 percent of the GDP. On the other hand, premature under-5 deaths among stunted children leads to complete loss of potential income or 1.39 percent of the GDP.

**Projected Economic Burden:** ~\$3.99 Billion/year = 1.1% GNP \$667M/y Mortality O S S **Cognition & Growth** \$2716B/y O \$378M/y **Higher Morbidity** G D **Adult Work Deficits** \$233M/y

Figure 4. Economic Burden Due to Undernutrition

Source: UNICEF Philippines, 2016

The costs go beyond the dimensions used in both studies. The status of malnutrition and the lack of progress over more than a decade is of great concern and an urgent call for more effective programs and management to bring about improved nutrition for the population, especially children and women.

The costs of grade-level repetitions and keeping primary and secondary students in school was calculated at 1.23 billion pesos, equivalent to 0.01 percent of the 2013 GDP. There were 48,597 stunted students from the total repeater population of 330,418. Grade-level repetition in 2013 was 33 percent higher among the stunted before age five compared to those who were not and were more common among primary students. Forty-three (43) percent of the total cost was shouldered by the families; the rest was subsidized by the public education system. Stunting among all the indicators, is considered to be more predictive of economic outcomes like productivity and income (Hoddinott et al., 2013 cited in Save the Children Philippines, 2016).

Estimates of work force productivity loss due to child stunting amount to 326.5 billion pesos or 2.83 percent of the GDP. They consist of 166.5 billion pesos for lost income because of lower education level achieved by workers who suffered childhood stunting and 160 billion pesos for productivity loss due to 830,000 premature deaths of potential workers. The 57 percent of working-age population who were stunted during their early years have lower completed years of schooling (5.74 years compared to 7.16 years for the non-stunted). Less work opportunities and reduced potential income translate to 1.44 percentof the GDP. On the other hand, premature under-5 deaths among stunted children leads to complete loss of potential income or 1.39 percent of the GDP.

#### 1.2.6 Malnutrition is associated with child mortality and morbidity

The cost-estimates already factor the improvement in child mortality rate (CMR) over the past decades.

The Philippines' mortality rate dropped from 80 to 30 deaths out of 1,000 live births from 1990 to 2011. The infant mortality rate (IMR) also decreased from 57 to 22 in the same year. According to the Department of Health's data, pneumonia, diarrhea, and congenital anomalies are the leading causes of death among children below 5 years of age. On the other hand, bacterial sepsis, pneumonia, and respiratory distress are the top leading causes of infant mortality. Most of these deaths are due to infections and parasitic diseases, and many if not most of the children die malnourished.

The "malnutrition-infection" complex remains the most serious public health problem in the world today. The 2013 National Demographic and Health Survey (NDHS) shows that the child mortality in ARMM (54/1000), SOCCSKSARGEN (52/1000), Northern Mindanao (44/1000), and MIMAROPA (42/1000) and in CARAGA (38/1000) is about double and more than double in these Mindanao Regions and the MIMAROPA. Malnutrition in terms of wasting and vitamin A deficiency levels in these regions are of primary concern. Globally, about 45 percent of child mortality is associated to malnutrition. While nutrition and health are closely linked, there is no death certification in the country that ascribes death to malnutrition either as primary or secondary cause.

#### 1.2.7 Comparative position of the Philippines with similar countries.

The Philippines lags in nutritional outcomes in comparison to its ASEAN neighbors and other developing countries: second shortest in the ASEAN region, ninth among the 14 countries that account for 80 percent of burden in stunting (**Figure 5**), and tenth among countries with highest burden in wasting (**Figure 6**). Despite a small population, the country surprisingly ranked high in the wasting problem, together with countries like India, Bangladesh, Nigeria, and Pakistan that have much larger population than the Philippines.

It is sad to note that as the Philippines experiences stagnation in malnutrition, other countries in the region have shown rapid improvements. In China, stunting decreased from more than 30 percent in 1990 to 10 percent in 2010<sup>2</sup>. In Vietnam, underweight among under-five children was reduced from 44 percent in 1994 to 17 percent in 2010. In Thailand, the rate of underweight children was halved from 50 percent to 25 percent in the period 1980 to 1986. What is common among these three countries is that they have become part of the Scaling Up Nutrition (SUN) Movement and all three countries have adopted strategies that position nutrition central to the country's development.

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<sup>&</sup>lt;sup>2</sup>Source: MDG Achievement Fund. (n.d.). Vietnam leads drop in child malnutrition. Retrieved from http://www.mdgfund.org/node/3384

Figure 5. Ranking of Countries with the Highest Burden of Stunting

| Ranking | Country                                | Year      | Stunting<br>prevalence<br>(%) | % of<br>global<br>burden | Number of stunted children (moderate or severe, thousands) |
|---------|--|-----------|-------------------------------|--------------------------|--|
| 1       | India                                  | 2005-2006 | 48                            | 38                       | 61,723   |
| 2       | Nigeria                                | 2008      | 41                            | 7                        | 11,049   |
| 3       | Pakistan                               | 2011      | 44                            | 6                        | 9,663  |
| 4       | China                                  | 2010      | 10                            | 5                        | 8,059  |
| 5       | Indonesia                              | 2010      | 36                            | 5                        | 7,547  |
| 6       | Bangladesh                             | 2011      | 41                            | 4                        | 5,958  |
| 7       | Ethiopia                               | 2011      | 44                            | 3                        | 5,291  |
| 8       | Democratic<br>Republic of the<br>Congo | 2010      | 43                            | 3                        | 5,228  |
| 9       | Philippines                            | 2008      | 32                            | 2                        | 3,602  |
| 10      | United Republic of Tanzania            | 2010      | 42                            | 2                        | 3,475  |
| 11      | Egypt                                  | 2008      | 29                            | 2                        | 2,628  |
| 12      | Kenya                                  | 2008-2009 | 35                            | 1                        | 2,403  |
| 13      | Uganda                                 | 2011      | 33                            | 1                        | 2,219  |
| 14      | Sudan                                  | 2011      | 35                            | 1                        | 1,744  |

Note: The countries in bold are profiled beginning on page 55 of this report. Updated data from Afghanistan and Yemen were not available, but these countries are likely to contribute significantly to the global burden of stunting – last reported data of stunting prevalence were 59 per cent for Afghanistan in 2004 and 58 per cent for Yemen in 2003.

Source: UNICEF Global Nutrition Database, 2012, based on MICS, DHS and other national surveys, 2007–2011, except for India.

Figure 6. Ranking of Countries with the Highest Burden of Wasting

| Ranking | Country                                | Year      | Stunting<br>prevalence<br>(%) | % of<br>global<br>burden | Number of stunted children (moderate or severe, thousands) |
|---------|--|-----------|-------------------------------|--------------------------|--|
| 1       | India                                  | 2005-2006 | 20                            | 6                        | 25,461   |
| 2       | Nigeria                                | 2008      | 14                            | 7                        | 3,783  |
| 3       | Pakistan                               | 2011      | 15                            | 6                        | 3,339  |
| 4       | Indonesia                              | 2010      | 13                            | 6                        | 2,820  |
| 5       | Bangladesh                             | 2011      | 16                            | 4                        | 2,251  |
| 6       | China                                  | 2010      | 3                             | -                        | 1,891  |
| 7       | Ethiopia                               | 2011      | 10                            | 3                        | 1,156  |
| 8       | Democratic<br>Republic of the<br>Congo | 2010      | 9                             | 3                        | 1,024  |
| 9       | Sudan                                  | 2010      | 16                            | 5                        | 817  |
| 10      | Philippines                            | 2008*     | 7                             | -                        | 769  |
|         |  |           |                               |                          |  |

<sup>\*</sup>Data differ from the standard definition or refer to only part of a country.

Source: UNICEF Global Nutrition Database, 2012, based on MICS, DHS and other national surveys, 2007–2011, except for India

#### 1.3 Dimensions of Philippine Malnutrition

#### 1.3.1 Reproductive health and malnutrition

Too many, too soon and too frequent births among Filipino households impact negatively on malnutrition in the Philippines. While birth rate has gone down in the last 25 years, the still high birth rate among the poorer households remains a cause for malnutrition. On another hand, nutritional issues are also of significance among adolescents. Births accounted for by adolescent girls and women ages 15-19 are estimated at about 8-10 percent of all live births.

Results of the 2013 NDHS indicate that 27 percent of young women aged 15-24 years old have begun childbearing. Of these teenage mothers, 24 percent have given birth, and 3 percent are pregnant with their first child. As expected, the proportion of women who have begun childbearing rises with age, from less than 2 percent among women aged 15 years old to 22 percent of women aged 19 years old and to 59 percent of those aged 24 years old. According to the Demographic Research and Development Foundation and the University of the Philippines (UP) Population Institute (2015), the proportion of teenage childbearing in the Philippines has doubled over the past 10 years, from 6.3 percent in 2000 it increased to 13.6 percent in 2013<sup>3</sup>.

The results of the 8<sup>th</sup> NNS in 2013 highlighted the important issues on teenage pregnancy that need immediate attention. Results show that teenagers (<20 years old) who are pregnant are more at risk to undernutrition and anemia than pregnant women (PW) who are 20 years old and above. To cite, the prevalence of nutritionally at-risk pregnant women is higher in teenagers than those who are adult pregnant women (37.4 versus 22.6 percent), and the prevalence of anemia is also higher (30.6 versus 22.6 percent). In terms of health-seeking behaviors, the percentage of teenage PW who went for prenatal check-up on the prescribed first trimester is lower compared with the percentage in adult PW (60.8 versus 69.2 percent). The late prenatal care can be attributed to the behavior of teenage PW to conceal their pregnancy because of their young age, fear of parents and embarrassment to the community. The data also indicate that because of their vulnerable situation, teenage PW seek appropriate health care as 94.5 percent delivered their babies under the care of health professionals/ health workers. However, there is a need to reach to more teenage PW for nutrition education and infant and young child feeding (IYCF) counseling. Only a few received nutrition education and fewer have the intention to breastfeed their babies after delivery.

The NDHS 2013 also shows that child survival is affected by the age of mother, birth order of child and birth interval. **Table 2** shows these important facts. One, all types of childhood deaths (neonatal, post neonatal, infant and under five per 1,000 live births) are higher in teenage mothers (<20 years old) than mothers with ages 20-39 years old ("too soon"). Two, mortality rates generally increase with higher birth order, indicating that risk of children to die "prematurely" is increased when a mother has many children ("too many"), and the youngest

<sup>&</sup>lt;sup>3</sup>Laguna, E. (2015). Sizing Up: The Stunting and Child Malnutrition Problem in the Philippines. Retrieved from https://resourcecentre.savethechildren.net/node/13449/pdf/save-the-children-lahatdapat-sizing-up-the-stunting-and-child-malnutrition-problem-in-the-philippines-report-september-2015.pdf

children are more at risk. Three, the risk of children to die is decreased when birth spacing or interval between children is longer ("too frequent").

In terms of nutrition impact, the results of the 8th NNS also disclose the poor nutritional status of children with teenage mothers. The prevalence of stunting and wasting is higher in children with teenage mothers than in children with older moms (>20 years old). The likely impact of this birth order and birth interval, though collected in the 8th NNS, is not yet analyzed.

Table 2. Early Childhood Mortality Rates by Demographic Characteristics, Philippines 2013

| Demographic characteristic           | Neonatal<br>mortality<br>(NN) | Post-<br>neonatal<br>mortality<br>(PNN) <sup>1</sup> | Infant<br>mortality<br>(190) | Child<br>mortality<br>(4q1) | Under-five<br>mortality<br>(₅q₀) |
|--------------------------------------|-------------------------------|--|------------------------------|-----------------------------|----------------------------------|
| CHILD'S SEX                          |                               |  |                              |                             |                                  |
| Male                                 | 13                            | 12   | 25                           | 9                           | 34                               |
| Female                               | 14                            | 8  | 22                           | 9                           | 31                               |
| MOTHER'S AGE AT BIRTH                |                               |  |                              |                             |                                  |
| <20                                  | 19                            | 12   | 31                           | 8                           | 39                               |
| 20-29                                | 13                            | 8  | 22                           | 8                           | 30                               |
| 30-39                                | 11                            | 10   | 21                           | 10                          | 31                               |
| 40-49                                | 24                            | 20   | 44                           | (11)                        | (55)                             |
| BIRTH ORDER                          |                               |  |                              |                             |                                  |
| 1                                    | 15                            | 6  | 22                           | 4                           | 26                               |
| 2-3                                  | 10                            | 8  | 19                           | 9                           | 27                               |
| 4-6                                  | 15                            | 14   | 29                           | 13                          | 41                               |
| 7+                                   | 19                            | 21   | 40                           | 19                          | 58                               |
| PREVIOUS BIRTH INTERVAL <sup>2</sup> |                               |  |                              |                             |                                  |
| <2 years                             | 16                            | 14   | 30                           | 16                          | 45                               |
| 2 years                              | 11                            | 15   | 26                           | 13                          | 39                               |
| 3 years                              | 10                            | 8  | 18                           | 9                           | 26                               |
| 4+ years                             | 13                            | 8  | 20                           | 5                           | 26                               |

<sup>&</sup>lt;sup>1</sup>Computed as difference between infant and neonatal mortality rates

Source: 2013 NDHS, PSA

#### 1.3.2 Regions, GIDA and IPs, and Malnutrition

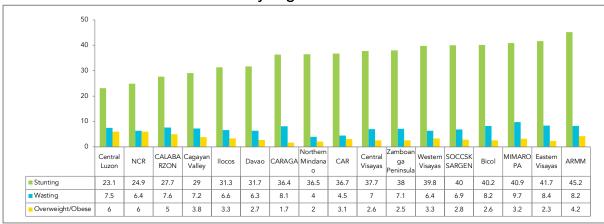
The "Situation Analysis of Nutrition in the Philippines" identifies the groups most affected by malnutrition: the poor, those in geographically isolated and disadvantaged areas (GIDAs), indigenous peoples (IP), families in Regions ARMM, Eastern Visayas, MIMAROPA, and among fisherfolks and farmers. The regions most affected by malnutrition are shown in Figure 7 below. Among the groups, there is a cross among poverty in all its dimensions, geographical and cultural isolation, and vulnerability to natural and man-made disasters including conflict. The dimensions of those most affected by malnutrition indicate that PPAN has an uphill battle. The high proportions of malnutrition among these groups imply a scale of programs and investments. Moreover, the analysis also shows that the PPAN needs to reach these geographically and culturally isolated and disadvantaged areas in regions that are vulnerable to disasters with new delivery designs sensitive to the conditions and culture of the groups.

<sup>&</sup>lt;sup>2</sup>Excludes first-order births

<sup>&</sup>lt;sup>3</sup>Rates for the five-year period before the survey

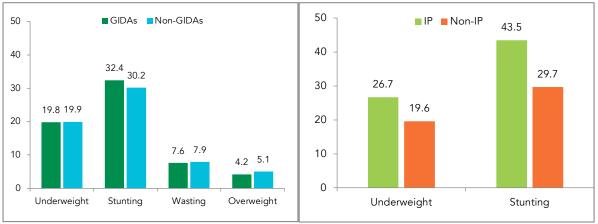
More than now, innovating to reach these groups is paramount for PPAN to achieve its outcomes.

Figure 7. Prevalence of Stunting, Wasting and Overweight in Children Under Five Years Old by Region: 2015



Source: Adapted from Herrin, 2016

Figure 8. Comparison of Nutritional Status of Children Under-Five Years Old Living in GIDA and in Non-GIDA Areas, and between children in IPs and Non-IP areas 2015



Source: 2015 NNS, DOST-FNRI

# 1.3.3 Socio-economic status of households is an important dimension in children's nutritional status.

Figure 9 shows underweight, stunting, and overweight by wealth quintiles in 2015. Although it is clear that increasing incomes are associated with consistently lower prevalence of the two indicators (underweight and stunting), it is likewise clear that both underweight and stunting are also important concerns even for children from higher income families, whether they reside in urban or rural areas or whether parents possess high or low education, pointing to the need for nutrition knowledge and facilitative support to busy mothers and caregivers in caring for the child. In contrast, overweight increases with increasing wealth.

60 50 40 30 20 10 Urban Urban Urban & Rural Rural Rural Urban Underweight Stunted Wasting Overweight ■ Lowest ■ Second ■ Middle ■ Fourth ■ Highest

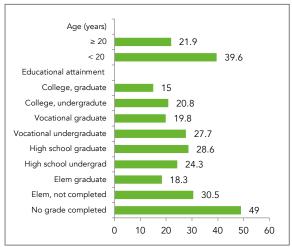
Figure 9. Prevalence of Malnutrition in Children Under Five Years Old by Urban/Rural Classification and By Wealth Index: 2015

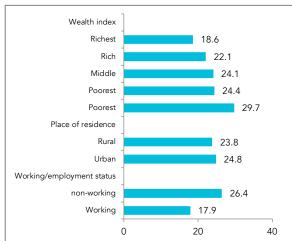
Source: 2015 NNS, DOST-FNRI

# 1.3.4 Nutritional status of pregnant women by age and socio-economic status.

Age and household socio-economic status are significant factors to the nutritional make-up of mothers to be. The risk to undernutrition is higher if women are below 20 years old, did not go to school or did not finish elementary grade, are from the poorest households compared with women who are 20 years old or older, with higher educational attainment and higher economic status.

Figure 10. Prevalence of Nutritionally At-Risk Pregnant Women by Age, Educational Attainment, Place of Residence and Wealth Index





Source: 2015 NNS, DOST-FNRI

# 1.3.5 Stunting, wasting and underweight among children of *Pantawid Pamilyang Pilipino* Program (4Ps) participants

NNS compared the socio-economic profile, household participation in selected government programs, and nutritional status of children of 4Ps beneficiaries with non 4Ps beneficiaries. Results show that nutritional problems were much higher among children of 4Ps beneficiaries compared to non-beneficiaries despite better participation in selected health and nutrition programs. To illustrate, the prevalence of underweight and stunting were reportedly higher among 4Ps children than that of non 4Ps. In addition, majority of pregnant women were nutritionally at-risk, and anemia was more prevalent among 4Ps beneficiaries than non-beneficiaries. Participation in government health programs specifically vitamin A supplementation, deworming, Operation *Timbang* Plus, growth monitoring and attendance in Day Care Centers showed a higher participation rate among 4Ps children than non-beneficiaries.

Majority of the participants (nearly three fourths) of the study belonged to the poorest and poor households since these were the target households for the 4Ps.

#### 1.4 Infant and Young Child Feeding

Poor infant and young child feeding in the first two years of life coupled with bouts of infection can explain the high levels of stunting.

Exclusive breastfeeding (EBF) in the first six months of life continues to be a challenge. EBF increased from 48.9% in 2011 to 52.3% in 2013 but went back to 48.8% in 2015. However, a look at EBF rates by single age group within the 0-5 months-old band would show declining EBF with the lowest rate among the 5-month-old (**Table 3**). The low rate of EBF together with the rate of never breastfed represent suboptimal breastfeeding practice. These low rates deprive the infant of needed nutrients for optimum growth at the time when his or her growth is most rapid.

Table 3. Proportion of exclusive breastfeeding among infants 0-5 months old, by single age. Philippines, 2011 – 2015

| Ago in months | Ex   | clusive breastfeeding, i | n %  |
|---------------|------|--------------------------|------|
| Age in months | 2011 | 2013                     | 2015 |
| All (0-5)     | 48.9 | 52.3                     | 48.8 |
| 0             | 69.1 | 65.5                     | 68.0 |
| 1             | 55.6 | 64.3                     | 58.3 |
| 2             | 51.9 | 54.4                     | 53.7 |
| 3             | 55.0 | 58.8                     | 45.1 |
| 4             | 39.8 | 44.2                     | 43.5 |
| 5             | 23.8 | 28.3                     | 24.7 |

Note: CV of estimates are  $\leq$ 10% for all the age groups, except for the 5-month-old group for which the CV is 10.5 in 2011, 13.2 in 2013 and 12.8 in 2015 and are considered acceptable.

Source: 2011, 2013 and 2015 NNS, DOST-FNRI.

By the sixth month of life, the infant should receive nourishment from solid and semi-solid food, in addition to breastmilk. However, only 18.6% of infants 6-23 months old receive the minimum acceptable diet while the highest wealth quintile has higher proportion of children 6-23 months old with minimum acceptable diet<sup>4</sup>, the level is still low at 22.8%. Thus, the problem for achieving optimum complementary feeding is not simply rooted on income.

A comparison of infant and young child feeding practices in the Philippines with other Asian countries again shows the Philippines to be lagging particularly for continued breastfeeding and for complementary feeding.

Table 4. Comparison of infant and young child feeding practices across the ASEAN Region

| Country     | Early initiation of breastfeeding | EBF  | Percentage (9<br>Introduction of<br>complementary<br>feeding | 6)<br>BF at 1<br>year | BF at 2<br>years | Minimum<br>acceptable<br>diet |
|-------------|-----------------------------------|------|--|-----------------------|------------------|-------------------------------|
| Cambodia    | 65.8                              | 73.5 | 87.7   | 83.3                  | 43.4             | 24                            |
| Indonesia   | 49.3                              | 41.5 | 91.0   | 77.2                  | 55.3             | 36.6                          |
| Lao PDR     | 39.1                              | 40.4 | 52.3   | 73.0                  | 40.0             |                               |
| Myanmar     | 75.8                              | 23.6 | 75.8   | 91.0                  | 65.4             |                               |
| Philippines | 77.1                              | 52.3 | 92.6   | 54.5                  | 37.6             | 15.5                          |
| Thailand    | 46.3                              | 12.3 | 74.8   | 32.4                  | 17.8             |                               |
| Vietnam     | 39.7                              | 17.0 | 50.4   | 73.9                  | 19.4             |                               |

Source: UNICEF State of the World's Children, 2014, except Philippines which is based on the 2013 NNS

#### 1.5 Food Security

Information regarding the trend came from three sources: the Family Income and Expenditure (FIES)-based first semester official poverty and subsistence (income-poor and food-poor) incidence among families compiled by the Philippine Statistical Authority (PSA), the Social Weather Stations' (SWS) annual average of estimates of self-rated poor families for which food is "mahirap" and families reporting actual hunger experience in the last three months prior to a survey, and food insecurity in the last month as measured by the Food and Nutrition Research Institute's (FNRI) NNS using the Household Food Insecurity Access Scale (HFIAS). Because of differences in methodologies, conceptual definitions of the food-deprived and reference periods of the information, the relative estimates of the food-poor, hungry or food insecure are not directly comparable and in fact diverge substantially from each other. Moreover, the PSA and NNS estimates underwent changes in definitions of key indicators, resulting in breaks in comparability. Indicative trends from earlier years' data are referenced but not used to compare magnitudes. The figures below pertain to the more recent years.

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<sup>&</sup>lt;sup>4</sup>Minimum acceptable diet is based on the minimum frequency of feeds and diet diversity or consumption of foods from four groups of a group of seven groups that include grains, roots, and tubers; legumes and nuts; dairy products (milk, yogurt, cheese); flesh foods (meat, fish, poultry and liver/organ meats); eggs; vitamin-A rich fruits and vegetables; and other fruits and vegetables.

The general conclusion is that whichever set of food deprivation estimates produced using different methodologies, inadequate access to food is a serious problem for a substantial number of Filipino families.

|   | 20125             | 2015 | Change <sup>6</sup> |
|---|-------------------|------|---------------------|
| Among families (PSA, H1) <sup>7</sup>       |                   |      |                     |
| % Below poverty threshold                   | 22.3              | 21.1 | - 1.2               |
| below subsistence threshold                 | 10.0              | 9.2  | - 0.8               |
| Among families (SWS, annual)                |                   |      |                     |
| % self-rated poor, food is "mahirap"        | 41.0              | 35.0 | - 6.0               |
| % With hunger experience, ref last 3 months | 19.9              | 13   | .4 -                |
| 6.5   |                   |      |                     |
|   | 2012 <sup>8</sup> | 2015 | Change <sup>9</sup> |
| Among households (2013, 2015 NNS)           | 2012              | 2013 | Change              |
| % All food insecure: mild/mod/sev           | 65.9              | 66.1 | + 0.2               |
| % Moderate and severe food insecurity       | 50.8              |      |                     |
| 3.0   | 00.0              | 00   |                     |
| 5.0   |                   |      |                     |

PSA estimates. Poverty estimates among families in 2006 and 2009 suggest a decline from 21 percent to 19.7 percent while the incidence of families falling below subsistence level reduced from 8.8 percent to 7.9 percent. In the data series for the first semester of 2012 and 2015, the small and insignificant reductions in the percentage of vulnerable families, appeared to be a continuation of the small reductions in the prior years. Nevertheless, full year figures from the 2nd FIES round in January 2016 suggest more substantial reductions.<sup>10</sup>

Nevertheless, the implied magnitudes of families whose food intakes are effectively at risk due to low incomes remain substantial. Applying the conservative PSA estimates of 1.2 and 0.8 percentage points reductions to the August 2015 census population (100.98 million) and assuming a family size of 4.5, the changes translate to a reduction in the number of income-poor and food-poor families of 267 thousand and 178 thousand, respectively. The estimated

<sup>&</sup>lt;sup>5</sup>The incidence of poverty hardly budged from levels observed in 2009 and 2006: 28.6 percent and 28.8 percent respectively.

<sup>&</sup>lt;sup>6</sup>None of the changes is statistically significant at 90% level, according to the PSA.

<sup>&</sup>lt;sup>7</sup>Newly released data from the two FIES surveys that completed the rounds for the entire year of 2012 and 2015 reveals significant reductions in the percentage of vulnerable families: 19.7 percent and 16.5 percent are income poor and 7.5 percent, and 5.7 percent are food poor. The trend of substantial reductions is also evident in the latest quarter SWS surveys in September 2016. The Philippine commitment to the Mid-Decade Goal is to reduce the percentage of population that are food-poor to 8.8 percent from 17.6 percent in 1991. The corresponding figure from the 2015 complete rounds is 8.1 percent. The country has met MDG indicator 1.9b.

<sup>&</sup>lt;sup>8</sup>The incidence of poverty hardly budged from levels observed in 2009 and 2006: 28.6 percent and 28.8 percent respectively.

<sup>&</sup>lt;sup>9</sup>None of the changes is statistically significant at 90% level, according to the PSA.

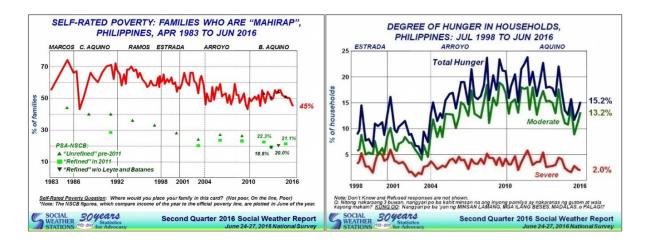
<sup>&</sup>lt;sup>10</sup>Revisions to the definitions of food-poor and food insecure caused breaks in the PSA and FNRI data series before and after 2012-2013. The general trend as well was slow unremarkable reductions.

number of families that remained income-poor is 4.7 million, of which 43.6 percent or a little over 2.0 million are food-poor in 2015.

SWS survey results. In percentage terms, the SWS surveys tract the largest reductions, in self-rated poor and hunger experience, 6 and 6.5 percent, respectively. The decline is consistent with that observed by the PSA for both income-poor and food-poor percentages<sup>11</sup>. Generalizing from the SWS 2015 results, about 3 million families experienced hunger in any 2015 quarter.

FNRI-NNS. The NNS data reveal that in the recent period 2013 and 2015, the incidence of food secure households (households that do not worry about food at all) suffered a slight reduction instead of improving but is nevertheless on a path of slow progress - the incidence of food secure households more than doubled from the very low incidence 15 years ago. However, the situation in 2015 is that only 1 in 3 households are food secure.

Figure 11. Self-Rated Food Poverty among Families (left) and Degree of Hunger in Households (right) in the Philippines, April 1983 to June 2016



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<sup>&</sup>lt;sup>11</sup>Later quarterly SWS surveys on hunger appear to show a continuation of the decline in the incidence of poverty and subsistence poor. The percentage of food-poor families fell to 30 percent from 35 percent in September 2016, consistent with declines captured by the full year 2015 FIES.

# Chapter 2



## RATIONALE OF THE PPAN DESIGN

**Figure 12** shows a framework that captures the causality of maternal and child undernutrition. This framework has been further modified into a unified one for both over- and undernutrition (**Figure 13**).

From both frameworks, one can note that undernutrition is caused by immediate factors of inadequate dietary intake and disease as immediate causes, with food insecurity, poor caring practices, and unhealthy household environment and poor health services as underlying causes. However, these causes are linked to basic causes that relate to the distribution of resources, among others.

These frameworks suggest the interventions that should be put in place to address the causes of both under- and overnutrition.

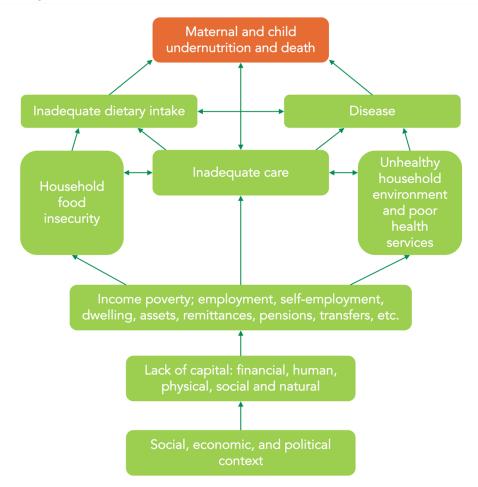


Figure 12. Causal framework for maternal and child undernutrition

Source: Black, Robert E. et al. The Lancet Series on Maternal and Child Undernutrition, 2008

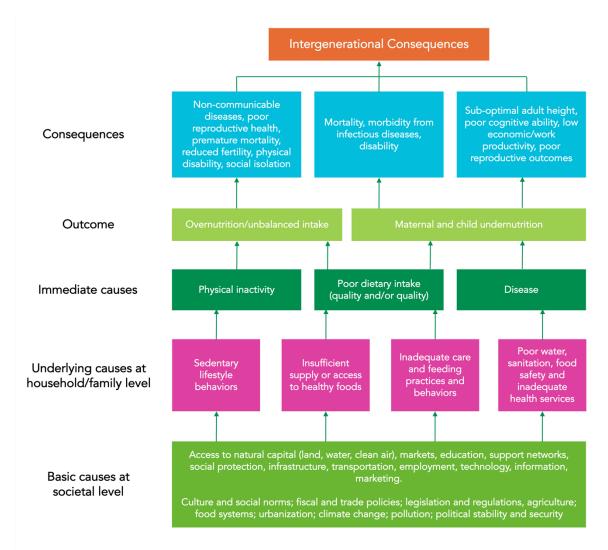


Figure 13. Conceptual Framework of Malnutrition

Source: ASEAN/UNICEF/WHO Regional Report on Nutrition Security in ASEAN Volume 2, 2016

Other findings in the landscape analysis on the historical development of the national nutrition program as well as an analysis of the current landscape in 2016 spanning political commitment, nutrition planning, policy development, human resources, information network, resources for nutrition, partnership, and public demand are summarized in Annexes 1-3 alongside with their implications for PPAN and specific reference in the PPAN 2017-2022. Annex 1 lists and describes the programmatic issues and implications; Annex 2 lists and describes the issues on the enabling environment and their implications; and Annex 3 presents general findings and the implications to PPAN.

Key findings are as follows:

- 1. Major shortfalls in the outcome accomplishment of past PPANs can be traced to the lack of an important indispensable nutrition-specific program that would have delivered planned outcomes in the past two PPANs 2005-2010 and 2011-2016.
- 2. The power of nutrition-sensitive programs was not harnessed fully in the past PPANs.

- 3. Some key projects in the past PPANs were disconnected and rendered incapable of delivering the common outcome. Projects in nutrition education were pitched without the benefit of a behavior change perspective, precluding accountability of such projects to deliver outcomes in nutrition education. The supplementary and complementary food plant projects of DOST could yield better outcomes if closely tied not only to local supplementary feeding programs but also national feeding programs.
- 4. Many enabling issues remain unsolved: resourcing for nutrition including budget tagging; weak response of local governments to nutrition programming and lack of robust LGU mobilization strategy; the challenges of human resource for nutrition from BNS, D/CNPC, local Nutrition Action Officers and local Nutrition Committees, and Regional Nutrition Program Coordinators; issues on the use of time and investment of the NNC Secretariat between implementation and its explicit mandate; policy and advocacy gaps; absence of a national research agenda for nutrition; weaknesses in nutrition information; and the need to improve management of the PPAN including its monitoring and evaluation.

A country assessment of the extent of application of the principles of the Scaling Up Nutrition Movement in the Philippines showed the need to strengthen the following concerns.

- 1. Strengthened coordinating mechanisms at national and sub-national level to enable in-country stakeholders to better work for improved nutrition outcomes. Functioning multi-stakeholder and multi-sectoral platforms enable the delivery of joint results, through facilitated interactions on nutrition related issues, among sector relevant stakeholders. Functioning multi-stakeholder platforms (MSP) enable the mobilization and engagement of relevant stakeholders, assist relevant national bodies in their decision making, enable consensus around joint interests and recommendations and foster dialogue at the local level.
- 2. Ensuring a coherent policy and legal framework. The existence of a coherent policy and legal framework should inform and guide how in-country stakeholders work together for improved nutrition outcomes. Updated policies, strategies and legislations are fundamental to prevent conflicts of interest among the wide range of actors involved in a complex societal topic such as nutrition. This process focuses on the enabling policy and legal environment.
- 3. Aligning actions around a common results framework. The alignment of actions across sectors that significantly contribute to nutrition improvement demonstrates the extent to which multiple sectors and stakeholders are effectively working together and the extent to which the policies and legislations are operationalized to ensure that all people, in particular women and children, benefit from an improved nutrition status. This process delves into the operational side of policy and legal frameworks and how

they translate into actions<sup>12</sup>. The term 'Common Results Framework' is used to describe a set of expected results agreed across different sectors of governments and among key stakeholders through a negotiated process. The existence of agreed common results would enable stakeholders to make their actions more nutrition driven through increased coordination or integration. In practice, a CRF may result in a set of documents that are recognized as a reference point for all sectors and stakeholders that work together for scaling up nutrition impact.

4. Financial tracking and resource mobilization. Assessing the financial feasibility of national plans to implement actions for improved nutrition is essential to determine funding requirements. The latter is based on the capability to track planned and actual spending on nutrition across relevant government ministries and from external partners. The existence of plans with clearly costed actions helps government authorities and key stakeholders (e.g., UN, Donors, Business, Civil Society) to align and contribute resources to national priorities, estimate the required budget for implementation and identify financial gaps.

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<sup>&</sup>lt;sup>12</sup>Actions refer to interventions, programs, services, campaigns and enacted legislation or specific policy. The 2013 Lancet Series on Maternal and Child Nutrition provides a set of evidence-based high-impact specific nutrition actions including the uptake of practices such as 'exclusive breastfeeding for six months.

# Chapter 3



### THE PPAN IN BRIEF

The Philippine Plan of Action for Nutrition (PPAN) 2017-2022 is a results-based plan designed to stem the stagnating and worsening of wasting, stunting and micronutrient deficiencies and overweight and obesity in the Philippines.

The PPAN 2017-2022 will contribute to the achievement of the Sustainable Development Goals (SDGs) of the United Nations particularly SDG 2 as well as the results of the World Health Assembly for 2025. The GOP is signatory to both international goals. The PPAN for 2017-2022 is an integral part of the 2017-2022 Philippine Development Plan (PDP). The PDP's goals of addressing the inequities in opportunities and outcomes particularly for the poor and improving human development outcomes in health, nutrition and education provides anchor to the PPAN.

It was designed with a strong emphasis on the First 1000 Days circumscribed within the Life Stage Approach and guided by the analytics of the malnutrition tree.

#### 3.1 Goals

To improve the nutrition situation of the country as a contribution to:

- 1. The achievement of *Ambisyon Natin* 2040<sup>13</sup> by improving the quality of the human resource base of the country
- 2. Reducing inequality in human development outcomes
- 3. Reducing child and maternal mortality

#### 3.2 Objectives

PPAN 2017-2022 has two layers of outcome objectives, the outcome targets and the suboutcome or intermediate targets. The former refers to final outcomes against which plan success will be measured. The latter refers to outcomes that will contribute to the achievement of the final outcomes.

The global landscape for evidence-informed policy making was used as a guide in selecting interventions and setting targets.

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<sup>&</sup>lt;sup>13</sup>Ambisyon 2040 is the Philippines' long-term vision, i.e. "By 2040, the Philippines shall be a prosperous, predominantly middle-class society where no one is poor, our people shall live long and healthy lives, be smart and innovative, and shall live in a high-trust society. The Philippine hereby aims to triple real per capita income, and eradicate hunger and poverty by 2040, if not sooner" (Executive Order 05, October 2017).

#### 3.2 Outcome Targets

1. To reduce levels of child stunting and wasting

| Indicator <sup>1</sup>   | Baseline | 2022 Target<br>(Adjusted Target²) |
|--|----------|-----------------------------------|
| Prevalence (in percent) of stunted children under five years old | 33.4     | 21.4<br>(28.8)                    |
| Prevalence (in percent) of wasted children                       |          | _                                 |
| Under five years old   | 7.1      | <5<br>(9.0)                       |
| 6 – 10 years old   | 8.6      | <5<br>(<10)                       |

<sup>&</sup>lt;sup>1</sup>Baseline based on 2015 Updating National Nutrition Survey conducted by the Food and Nutrition Research Institute.

#### 2. To reduce micronutrient deficiencies to levels below public health significance

| Indicator <sup>1</sup>   | Baseline             | 2022 Target       |
|--|----------------------|-------------------|
| Vitamin A deficiency   |                      |                   |
| Prevalence (in percent) of children 6 months to 5 years old with vitamin A deficiency (low to deficient serum retinol) | 20.4                 | <15               |
| Anemia   |                      |                   |
| Prevalence (in percent) of anemia among women of reproductive age (15-49)  | 11.7                 | 6.0               |
| lodine deficiency disorders  |                      |                   |
| Median urinary iodine concentration, mcg/L   |                      |                   |
| Children 6-12 years old  | 168                  | ≥100              |
| Pregnant women   | 105                  | ≥150              |
| Lactating women  | 77                   | ≥100              |
| Percent with urinary iodine concentration <50  |                      |                   |
| mcg/L  |                      |                   |
| Children 6-12 years old  | 16.4                 | <20               |
| Lactating women  | 33.4                 | <20               |
| <sup>1</sup> Baseline based on 2013 National Nutrition Survey conducted by the Fo                                      | ood and Nutrition Re | esearch Institute |

 $<sup>^{2}</sup>$ Adjusted in 2020 inconsideration of the mid-term assessment done in 2019 and the effects of the COVID-19 pandemic.

#### 3. No increase in overweight among children

| Indicator                             | Baseline | 2022 Target<br>(Adjusted Target³) |
|---------------------------------------|----------|-----------------------------------|
| Prevalence (in percent) of overweight |          |                                   |
| Under five years old <sup>1</sup>     | 3.8      | <3.8<br>(<3.9)                    |
| 6-10 years old <sup>2</sup>           | 8.6      | <8.6                              |

<sup>&</sup>lt;sup>1</sup>Baseline based on 2015 National Nutrition Survey conducted by the Food and Nutrition Research Institute

#### 4. To reduce overweight among adolescents and adults

| Indicator  | Baseline <sup>1</sup> | 2022 Target |  |
|--|-----------------------|-------------|--|
| Adolescents  | 8.3 (1.7 M)           | <5 (1.1 M)  |  |
| 6-10 years old   | 31.1                  | 28.0        |  |
| <sup>1</sup> Baseline based on 2013 National Nutrition Survey conducted by the Food and Nutrition Research Institute |                       |             |  |

#### 3.4 Sub-outcome of intermediate outcome targets

| Indicator  | Baseline | 2022 Target<br>Adjusted Target <sup>4</sup> |
|--|----------|---|
| Reduce the proportion of nutritionally-at-risk pregnant women <sup>1</sup>                           | 24.8     | 20.0  |
| Reduce the prevalence of low birthweight <sup>3</sup>  | 21.4     | 16.6<br>(<15.0)                             |
| Increase the percentage of infants 5 mos old who are exclusively breastfed <sup>1</sup>              | 24.7     | 33.3<br>(34.7)                              |
| Increase the percentage of children 6-23 months old meeting the minimum acceptable diet <sup>1</sup> | 18.6     | 22.5  |
| Increase the percentage of households with diets that meet the energy requirements <sup>2</sup>      | 31.7     | 37.1<br>(32.2)                              |

<sup>&</sup>lt;sup>1</sup>Baseline based on 2015 Updating National Nutrition Survey conducted by the Food and Nutrition Research Institute

<sup>&</sup>lt;sup>2</sup>Baseline based on 2013 National Nutrition Survey conducted by the Food and Nutrition Research Institute

<sup>&</sup>lt;sup>3</sup>Adjusted in 2020 inconsideration of the mid-term assessment done in 2019 and the effects of the COVID-19 pandemic.

<sup>&</sup>lt;sup>2</sup>Baseline based on 2013 National Nutrition Survey conducted by the Food and Nutrition Research Institute2

<sup>&</sup>lt;sup>3</sup>Baseline based on 2013 National Demographic and Health Survey

<sup>&</sup>lt;sup>4</sup>Adjusted in 2020 inconsideration of the mid-term assessment done in 2019 and the effects of the COVID-19 pandemic.

#### 3.5 Guiding Principles

Plan formulation, implementing and updating will be based on the following guiding principles:

- 1. Attainment of nutritional well-being is a main responsibility of families, but government and other stakeholders have the duty to assist those who are unable to enjoy the right to good nutrition
- 2. Priority will be given to the nutritionally vulnerable (pregnant women, lactating women, infants and young children 0-23 months old), and nutritionally affected (those who are already malnourished) from poor families and communities that have less access to resources and services
- 3. Participation of various stakeholders, including members of the community, in policy and plan formulation, implementation, monitoring and evaluation
- 4. Gender sensitivity
- 5. Efficiency and effectiveness in resource allocation and implementation of programs and projects
- 6. Adherence to the principles of engagement of the Scaling Up Nutrition as follows:
  - 6.1 Transparency about intentions and impact
  - 6.2 Inclusiveness
  - 6.3 Being rights based
  - 6.4 Willingness to negotiate
  - 6.5 Predictability and mutual accountability
  - 6.6 Cost-effectiveness
  - 6.7 Continuous communicativeness
  - 6.8 Acting with integrity and in an ethical manner
  - 6.9 Mutual respect
  - 6.10 Doing no harm.

#### **3.6** Strategic Thrusts

To achieve its objectives, PPAN 2017-2022 will be implemented along the the following strategic thrusts:

1. Focus on the first 1000 days of life. The first 1000 days of life refer to the period of pregnancy up to the first two years of the child. This is the period during which key health, nutrition, early education, and related services should be delivered to ensure the optimum physical and mental development of the child. This is also the period

during which poor nutrition can have irreversible effects on the physical and mental development of the child, consequences of which are felt way into adulthood.

Thus PPAN 2017-2022 programs and projects as operationalized by various stakeholders should first and foremost focus on this period.

2. Complementation of nutrition-specific and nutrition-sensitive programs. This strategic thrust recognizes that malnutrition has immediate, underlying, and basic causes, which should be addressed to achieve targeted nutritional outcomes.

Thus, there is a need to implement and deliver nutrition-specific interventions. These interventions "address the immediate determinants of fetal and child nutrition and development, i.e. adequate food intake and nutrient intake, caregiving and parenting practices, and low burden of infectious diseases (Executive Summary of the Lancet Maternal and Child Nutrition Series, 2013). They are planned and designed to produce nutritional outcomes.

Achieving nutritional outcomes would also require nutrition-sensitive programs or interventions that address the underlying determinants of malnutrition such as inadequate access to food, inadequate care for women and children, and insufficient health services and unhealthy environment. These include interventions or programs designed and planned with objectives other than nutritional ones but were tweaked in design to produce nutritional outcomes together with the original objectives.

The tweaking can come in various forms depending on the program. A common tweaking is on including nutrition indicators among the criteria for selecting beneficiaries or priority areas to address the problem on inadequate income to acquire food. For instance, the construction of farm-to-market roads can consider for employment of able-bodied persons in households with pregnant women, and children less than 2 years old.

Another form of tweaking is including nutrition education, primarily focusing on the proper care for women and children, in the program or project design. Thus, those participating in programs that aim to improve income levels would be able to purchase their food requirement and at the same time exposed to nutrition information that could help in making nutrition-informed decisions on food choices.

To be effective, these nutrition-sensitive and nutrition-specific programs and interventions should converge in nutritionally needy and at-risk families and communities. At the same time, each specific intervention should support and reinforce the other interventions.

3. Intensified mobilization of local government units. To ensure that PPAN 2017-2022 delivers the planned outcomes, 36 areas with the highest prevalence of stunting based on the 2015 Updating National Nutrition Surveys will be prioritized for

mobilization of LGUs (**Table 5**). Mobilization will aim to transform low-intensity nutrition programs to those that will deliver targeted outcomes.

Table 5. The 32 PPAN 2017-2022 Focus Areas

| Priority 1   | Priority 2 – Set A   | Priority 2 – Set B                                   | Priority 3             |
|--|--|--|------------------------|
| High Poverty Incidence and<br>Magnitude, High Prevalence<br>of Stunting, and High<br>Teenage Pregnancy | High Poverty Incidence and<br>Magnitude and High<br>Prevalence of Stunting | High Poverty Incidence and<br>High Teenage Pregnancy | High Poverty Incidence |
| Camarines Sur  | Catanduanes  | Pangasinan   | Apayao                 |
| Negros Occidental  | Masbate  | Nueva Ecija  | Sorsogon               |
| Negros Oriental  | Eastern Samar  | Quezon   | Siquijor               |
| Bukidnon   | Northern Samar   | lloilo   | Davao Occidental       |
| North Cotabato   | Western Samar  | Cebu   | Surigao del Sur        |
| South Cotabato   | Lanao del Norte  | Leyte  |                        |
| Zamboanga del  | Sarangani  | Zamboanga del Sur                                    |                        |
| Norte  | Sultan Kudarat   | Davao del Sur  |                        |
|  | Agusan del Sur   |  |                        |
|  | Lanao del Sur  |  |                        |
|  | Maguindanao  |  |                        |
|  | Sulu   |  |                        |

Note: The NNC Governing Board adopted the 32 HDPRC provinces as the updated focus provinces of the PPAN in its 5 July 2019 meeting.

It will involve capacity building and mentoring of LGUs on nutrition program management to transform them to self-propelling LGUs able to plan, implement, coordinate, and monitor and evaluate effective nutrition programs. The strategy is also expected to complement the interventions in the First 1000 Days.

Target LGUs will be prioritized for nutrition-specific and nutrition-sensitive programs and projects that are nationally funded with appropriate counter parting mechanisms.

The Early Child Care and Development in the First 1000 Days Program will be an important anchor of mobilization.

4. Reaching geographically isolated and disadvantaged areas (GIDAs), communities of indigenous peoples, and the urban poor especially those in resettlement areas. Efforts to ensure that PPAN 2017-2022 programs are designed and implemented to reach out to GIDAs, and communities of indigenous peoples will be pursued. The community of NGOs and development partners' resources will be engaged for this purpose.

There will also be efforts to reach the urban poor, especially those in resettlement areas.

5. Complementation of actions of national and local governments. As LGUs are charged with the delivery of services, including those related to nutrition, the national

government is charged with creating an enabling environment through appropriate policies and continuous capacity building of various stakeholders.

The combined impact of the programs from the national and local level is needed to ensure the achievement of the desired outcomes. In this, there will be two reinforcing strategies complementing one another, the implementation of NGA programs and the delivery of nutrition services at the LGU level. This twinning of various reinforcing projects will provide cushion for securing outcomes in case of a shortfall/ gaps in the implementation of one of the programs.

## 3.7 Overview of the PPAN 2017-2022 Programs

PPAN 2017-2022 consists of three distinct types of programs as follows:

- Nutrition-Specific Programs
- Nutrition-Sensitive Program
- Enabling Management Support Programs

The programs were selected based on already existing and proven programs both locally and internationally. The programs also complement each other.

Nutrition-specific programs are those that were planned and designed to produce nutritional outcomes (Tables 7 and 8). The selection of nutrition-specific programs was inspired by global guidance like the WHO Essential Nutrition Actions, the recommendations of the Lancet Maternal and Child Nutrition Series, the International Conference for Nutrition 2 Framework for Action, among others.

Complementing these nutrition-specific interventions are nutrition-sensitive programs. These are development programs and projects that will be tweaked to produce nutritional outcomes. Tweaking can be done by targeting households with undernourished children or nutritionally vulnerable groups, or targeting areas with high levels of malnutrition, or being a channel for delivering nutrition-specific interventions. **Table 6** shows an initial list of development programs and projects that will be tweaked to produce nutritional outcomes in addition to their original objectives. The list will be updated during plan implementation.

### Table 6. Nutrition-sensitive programs

## **Nutrition in Health**

- DILG's WASH Program
- PopCom's Adolescent Health and Development (AHD)

## Nutrition in Agriculture

- Production support/agricultural services
- Research and Development (R&D) support services
- Extension support, education, and training services (ESETS)
- Agricultural machinery, equipment, facilities
- Agricultural insurance
- Market development services
- Milk feeding program
- Food Production in School

### **Nutrition in Social Protection**

- Conditional Cash Transfer (CCT)
- Compliance verification system on CCT conditionalities
- Sustainable Livelihood Program (SLP)

### Nutrition in Education

- Integrated School Nutrition Model (ISNM)
- Expansion of Gulayan sa Paaralan (GP)
- Weekly Iron-Folic Acid Supplementation (WIFA)
- Deworming
- WASH in Schools (WinS)
- Accredited Centers using the Standards and Guidelines for Center-based Early Childhood Programs for 0 to 4 Years Old
- Comprehensive Sexuality Education
- Infant-Toddler Early Development (ITED) Program
- Family Support Program
- Parenting Effectiveness Session (PES)

## Nutrition in Trade and Industry

Diskwento Caravan

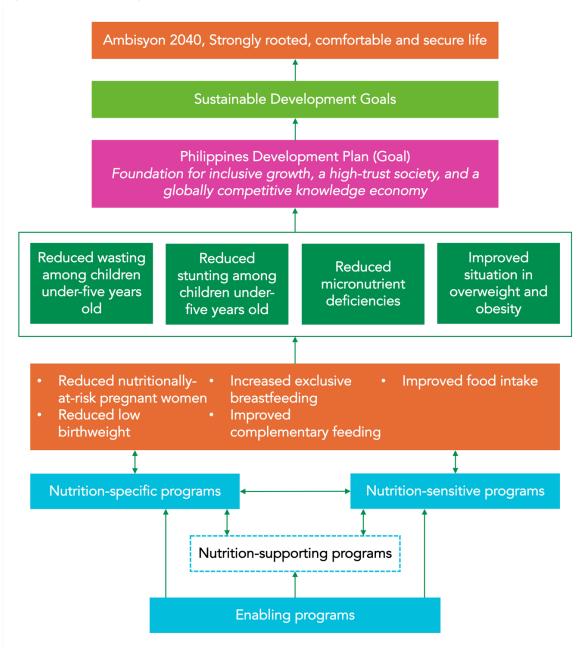
Enabling management support programs are actions developed and designed to assist the nutrition-specific programs to be achieved with greater degree of efficiency and effectiveness.

There is another set of programs and projects that support the achievement of nutritional outcomes. Indeed, some of these programs can be clearly associated with the important immediate causes of malnutrition and mortality of children: disease and food intake. Health programs and projects like the Expanded Program of Immunization (EPI), deworming, food and agricultural systems programs and projects that impact on food supply, social protection programs like the conditional cash transfer, health insurance through PhilHealth and others. While the PPAN recognizes the importance of these programs and projects, the PPAN 2017-2022 does not include these programs and projects in the PPAN's results framework. These programs and projects were not designed to contribute directly to producing nutritional outcomes like the nutrition-specific and sensitive programs do. It is important to recognize

their association to nutrition. Some of these nutrition supportive programs can also be tweaked to become nutrition-sensitive programs in the future.

The synergy among these types of programs is illustrated in the figure below:

Figure 13. PPAN Target Outcomes



The 12 component programs of the PPAN 2017-2022 and their corresponding projects or strategies are listed in **Table 8**.

Table 8. PPAN 2017-2022 Programs and Their Projects or Strategies

|     | PPAN 2017-2022 Programs and   |                | <u> </u>   |
|-----|-------------------------------|----------------|--|
| No. | Programs of PPAN              | No.            | Projects/Strategies  |
|     |                               | 1              | Health systems support   |
|     |                               | 2              | Community-based health and nutrition support                               |
|     |                               | 3              | Maternity protection and improving capacities                              |
| 1   | Infant and Young Child        | 3              | of workplaces on breastfeeding   |
| ı   | Feeding (IYCF)                |                | Enforcement of the National Code of  |
|     |                               | 4              | Marketing of Breastmilk substitutes (EO 51), the                           |
|     |                               | 4              | Republic Act 10028 (amending RA 7600) and                                  |
|     |                               |                | other related issuances  |
|     | Dhilinning Internets d        | 5              | Policy development and implementation                                      |
| 2   | Philippine Integrated         |                | Service delivery for management of acute                                   |
| 2   | Management of Acute           | 6              | malnutrition   |
|     | Malnutrition (PIMAM)          | 7              | Capacity building of local implementers                                    |
|     |                               | _              | Dietary supplementation of pregnant and                                    |
|     |                               | 8              | lactating women  |
|     |                               |                | Dietary supplementation of infants and young                               |
|     |                               | 9              | children 6-23 months old   |
|     | National Dietary              |                | Dietary supplementation of children in Child                               |
| 3   | Supplementation Program       | 10             | Development Centers (CDCs) and Supervised                                  |
|     | (NDSP)                        |                | Neighborhood Play (SNP)  |
|     | <b>V</b> = 31,                |                | Dietary supplementation of wasted school                                   |
|     |                               | 11             | children   |
|     |                               | 12             | Support component  |
|     |                               | 13             | Cross-cutting concerns   |
|     |                               |                | Social and Behavior Change Communication                                   |
|     |                               | 14             | (SBCC) Plan National Nutrition Promotion                                   |
|     |                               |                | Resource Center  |
|     |                               | 15             | Organization of National TWG for Nutrition                                 |
|     |                               | 16             | Promotion Program for SBCC   |
|     |                               | 17             | Nutrition Information Resource Center                                      |
| 4   | National Nutrition Promotion  | 18             | National Communication Strategy  |
| 4   | Program for Behavior Change   | 19             | SBCC materials   |
|     |                               | 17             |  |
|     |                               | 20             | Integration of nutrition in the sectoral policies, programs, and materials |
|     |                               |                |  |
|     |                               | 21             | Strengthened partnership with quad media                                   |
|     |                               | 22             | SBCC guidelines  Monitoring and evaluation                                 |
|     |                               |                |  |
|     |                               | _23            | Logistic and system  |
|     |                               | 24             | Procurement, distribution, and availability of                             |
| 5   | Micronutrient Supplementation |                | supplies   |
|     | • •                           | 25             | Capacity building  |
|     |                               | 26             | Advocacy and communication plan  |
|     |                               | 27             | Monitoring and evaluation  |
|     |                               | 28             | Overall program coordination, monitoring and                               |
|     |                               |                | evaluation   |
|     |                               |                |  |
| 6   | Mandatory Food Fortification  | 29             | Strengthened compliance monitoring system                                  |
| 6   | Mandatory Food Fortification  | 29<br>30<br>31 |  |

| No. | Programs of PPAN            | No.      | Projects/Strategies  |
|-----|-----------------------------|----------|--|
|     |                             | 32       | Salt iodization  |
|     |                             | 22       | Policy development, updating, and  |
|     |                             | 33       | dissemination  |
|     |                             | 34       | Capability development   |
| 7   | Nutrition in Emergencies    | 35       | Prepositioning and resource mobilization   |
|     |                             | 36       | Promotion and communication  |
|     |                             | 37       | Inter- and intra-cluster coordination  |
|     |                             | 38       | Information management   |
|     |                             | 39       | Organization of the OOMP Task Force  |
|     | Overweight and Obesity      | 40       | National Campaign on Healthy Diet  |
| 8   | Management and Prevention   | 41       | Landscape Analysis on Childhood Overweight   |
|     | Program                     | 41       | and Obesity  |
|     |                             | 42       | Guidelines on Physical Activity for Filipinos  |
|     |                             | Nutr     | ition in Health  |
|     |                             | 43       | DILG's WASH Program  |
|     |                             | 44       | PopCom's Adolescent Health and   |
|     |                             |          | Development (AHD)  |
|     |                             | Nutr     | ition in Agriculture   |
|     |                             | 45       | Production support/agricultural services   |
|     |                             | 46       | Research and Development (R&D) support   |
|     |                             |          | services   |
|     |                             | 47       | Extension support, education, and training   |
|     |                             |          | services (ESETS)   |
|     |                             | 48       | Agricultural machinery, equipment, facilities  |
|     |                             | 49       | Agricultural insurance   |
|     |                             | 50       | Market development services  |
|     |                             | 51       | Milk feeding program   |
|     |                             | 52       | Food Production in School  |
|     |                             |          | ition in Social Protection   |
|     | N . W . G . W . B           | _53      | Conditional Cash Transfer (CCT)  |
| 9   | Nutrition-Sensitive Program | 54       | Compliance verification system on CCT  |
|     |                             |          | conditionalities   |
|     |                             | 55       | Sustainable Livelihood Program (SLP)   |
|     |                             |          | ition in Education   |
|     |                             | 56       | Integrated School Nutrition Model (ISNM)   |
|     |                             | 57       | Expansion of Gulayan sa Paaralan (GP)  |
|     |                             | 58       | Weekly Iron-Folic Acid Supplementation (WIFA)  |
|     |                             | 59<br>60 | Deworming WASH in Schools (WinS)   |
|     |                             | -00      |  |
|     |                             | 61       | Accredited Centers using the Standards and Guidelines for Center-based Early Childhood |
|     |                             | 01       | Programs for 0 to 4 Years Old  |
|     |                             | 62       | Comprehensive Sexuality Education  |
|     |                             |          | Infant-Toddler Early Development (ITED)  |
|     |                             | 63       | Program  |
|     |                             | 64       | Family Support Program   |
|     |                             | 65       | Parenting Effectiveness Session (PES)  |
|     |                             |          | ition in Trade and Industry  |
|     |                             | Tauti    | don in Trade and industry  |

| No. | Programs of PPAN              | No.                            | Projects/Strategies                             |  |  |  |  |  |
|-----|-------------------------------|--------------------------------|---|--|--|--|--|--|
|     |                               | 66                             | Diskwento Caravan                               |  |  |  |  |  |
|     |                               |                                | Formulation of Local Nutrition Action Plans for |  |  |  |  |  |
|     |                               | 67                             | 2020-2022 and Integration into local            |  |  |  |  |  |
|     |                               |                                | development plans and budgets                   |  |  |  |  |  |
|     | Mobilization of Local         | 68                             | Advocacy interface with Local Chief Executives  |  |  |  |  |  |
| 10  | Government Units for          |                                | (LCEs) on Investing in Nutrition                |  |  |  |  |  |
| 10  | Nutritional Outcomes          | 69                             | Sustained Technical Assistance to LGUs by       |  |  |  |  |  |
|     | Nutritional Outcomes          | NNC Central and Regional Teams |   |  |  |  |  |  |
|     |                               |                                | Capacity Building on Nutrition Program          |  |  |  |  |  |
|     |                               | 70                             | Management and Nutrition Leadership and         |  |  |  |  |  |
|     |                               |                                | Governance                                      |  |  |  |  |  |
|     |                               | 71                             | Securing Policy Support for Improving Nutrition |  |  |  |  |  |
| 11  | Policy Development for Food   |                                | in the Philippines                              |  |  |  |  |  |
| 11  | and Nutrition                 | 72                             | Public Advocacy for Improved Support to         |  |  |  |  |  |
|     |                               | 12                             | Nutrition in the Philippines                    |  |  |  |  |  |
|     |                               | 73                             | Securing Vital Nutrition Infrastructure and     |  |  |  |  |  |
|     |                               | /3                             | Resource Requirements for PPAN                  |  |  |  |  |  |
| 12  | Management Strengthening      |                                | Strengthening Coordination, Monitoring,         |  |  |  |  |  |
| 12  | Support to PPAN Effectiveness | 74                             | Evaluation and Management of PPAN across        |  |  |  |  |  |
|     |                               | /4                             | NNC including Member Agencies and NNC           |  |  |  |  |  |
|     |                               |                                | Secretariat                                     |  |  |  |  |  |

The results framework in Chapter 8 describes the outputs and results of these programs.

PPAN 2017-2022 is thus a multi-sectoral program. While the component programs of the PPAN are implemented by the member agencies of the NNC, LGUs and NGOs will be encouraged to adapt these programs.

It is also multi-level. Thus, at the regional level, the Regional Plan of Action for Nutrition (RPAN) will also be formulated. These RPANs will have their respective annual targets along the framework of the PPAN but adapted to the unique situation of the region. The RPAN will be developed and approved by regional nutrition committees but also presented to the RSDC or RDC.

LGUs will also be enjoined to formulate or update their local nutrition action plans following the principles and framework of the PPAN 2017-2022.

# Chapter 4



# **NUTRITION-SPECIFIC PROGRAMS**

## 4.1 Infant and Young Child Feeding Program

The IYCF Program aims to improve the practice of exclusive breastfeeding and complementary feeding with continued breastfeeding by building and sustaining an enabling supportive environment in various settings. Based on global evidence, promoting infant and young child feeding is among the package of child nutrition interventions identified by the Lancet Series on Maternal and Child Nutrition that can bring down undernutrition significantly. It is also included in the WHO Essential Nutrition Action.

Desirable infant and young child feeding practices is one of the elements of the Nutritional Guidelines for Filipinos adopted by the NNC Governing Board for use in the Philippines in 2012.

The program is covered by DOH Administrative Order (AO) 2005-0014. The policy guides health workers and other parties concerned in ensuring the protection, promotion and support of exclusive breastfeeding and adequate and appropriate complementary feeding with continued breastfeeding. Related legislations and regulations also include Executive Order (EO) 51: National Code of Marketing of Breastmilk Substitutes, Republic Act (RA) 7600: Rooming In and Breastfeeding Act, and Republic Act (RA) 10028: The Expanded Breastfeeding Promotion Act.

The program complements and is complemented by the services of the other PPAN 2017-2022 programs, e.g., management of acute malnutrition, dietary supplementation, nutrition promotion, micronutrient supplementation, food fortification, nutrition in emergencies, and programs and projects under the Nutrition-Sensitive Program.

The program is led by the DOH, in partnership with other government agencies, LGUs, NGOs, workers' unions, employees' unions, and development partners.

# 4.2 Philippine Integrated Management of Acute Malnutrition (PIMAM) Program

The Philippine Integrated Management of Acute Malnutrition (PIMAM) Program aims to locate the acutely malnourished especially those with severe acute malnutrition, and to provide the needed medical and nutritional intervention. The intervention will be delivered through in-patient treatment centers or out-patient treatment centers. The former will be used for severe acute malnutrition cases with medical complications.

Its implementation is guided by DOH AO 2015-055 National Guidelines on the Management of Acute Malnutrition of Children under Five Years. More specific protocols are contained in the "National Guidelines on the Management of Severe Acute Malnutrition for Children under Five Years" and the "National Guidelines on the Management of Moderate Acute Malnutrition for Children under Five years."

Program implementation will be guided by the SAM Management Scale-Up Plan, developed by the Nutrition in Emergencies Community-Based Management of Acute Malnutrition Working Group, with assistance from UNICEF. The SAM Management Scale-up Plan covers supply procurement; development of training modules and roll-out trainings; coordination and communication support; and reporting, monitoring and evaluation. The training roll-out consists of 7 phases with Phase 1 targeting 17 provinces in 2016, and Phase 2 with 12 provinces in 2017 for eventual coverage of all provinces by 2022.

Plans also include the development of a locally produced ready-to-use supplementary food, e.g., Momsie Plus. The possibility of local production of RUTF will also be explored. The Food and Nutrition Research Institute of the Department of Science and Technology will oversee this effort.

LGUs will be encouraged to invest in the program and along this line, a scheme for procuring the consolidated supply requirements of LGUs will be developed and tested. Coverage of MAM cases is expected to start in late 2017 or in 2018. Efforts will also ensure the interface in the management of SAM and MAM cases.

The program is led by the DOH, in partnership with LGUs, NGOs, and developmental partners, in particular UNICEF and WFP.

PIMAM will not be limited to the treatment and management of the cases but shall be complemented by other nutrition interventions to sustain the normal status of rehabilitated children. Nutrition counseling, especially on IYCF, is among these interventions.

The PIMAM is also an important program that interphases with the Nutrition in Emergencies Program as emergencies and disasters could trigger an increase in acute malnutrition.

The PIMAM Program, with a success rate of about 75%, is one of the PPAN 2017-2022 programs that is expected to deliver outcome results early in the plan period. This could inspire the PPAN stakeholders and provide the fuel for even more vigorous implementation in the second period of the PPAN.

## 4.3 National Dietary Supplementation Program

The National Dietary Supplementation Program aims to supplement the diets of nutritionally vulnerable groups, particularly pregnant women, and infants 6-23 months old in food-

insecure households, and wasted school children, especially those from very poor households. It also aims to supplement the diets of children enrolled in daycare centers.

Dietary supplementation of pregnant women as well as of children in food-insecure households is included in the Lancet framework of actions to achieve optimum fetal, and child nutrition and development, in the WHO Essential Nutrition Actions, and in the WHO Guidelines for Antenatal Care. This is being addressed by the NNC's *Tutok Kainan Supplementation Program*.

On the other hand, dietary supplementation of preschool children in day care centers or child development centers and of school age children are long-running programs in the Philippines. The program for school-age children is focused on those identified to be severely wasted.

Program implementation will be guided by the guidelines on dietary supplementation that will be released in the first year of plan implementation. Among others, the guidelines define dietary supplementation as the "provision of additional food to a target group for a specified calorie and protein level of supplementation and for a duration of no less than 90 days". It also provides technical and operational guideposts for dietary supplementation for the preventive and curative approach.

The existing supplementary feeding in day care centers and public elementary schools will continue using existing guidelines. Efforts will also include expansion of supplementary feeding to those covered by supervised neighborhood play.

Program implementation will purposively link with local food producers and food plants set up by technology adaptors of the FNRI-DOST. In this way, dietary supplementation can also contribute to poverty alleviation efforts.

In 2016, 55 food plants have been set up across the country. These plants are run by cooperators with support from DOST. For the national needs of dietary supplementation programs, an analysis of the geographical distribution, capacity, product list, prices, clients and acceptability of these various plants would be done.

Matching the location and capacity of local and national requirements for dietary supplementation would be a result of this analysis.

Several areas of improvement in the current dietary supplementation formulations of FNRI will be addressed including FDA approval to ensure the highest quality and consumer acceptability of products from such plants. Efficacy tests will be an integral part of the next steps of FNRI.

Agreements among implementing departments on how food products from the food plant will be harnessed for the different feeding programs will be forged.

Dialogues with an NGO, *Kabisig ng Kalahi*, that manages one of the largest dietary supplementation programs in the country will be held to allow better complementation with government resources.

The NNC is the lead agency for dietary supplementation in the first 1,000 days, while DSWD for supplementary feeding of children in day care centers<sup>14</sup>, and the DepEd for school-based supplementary feeding.

The NDSP will be complemented by other PPAN programs, specifically IYCF, Nutrition Promotion for Behavior Change, Micronutrient Supplementation, Mandatory Food Fortification, and the Nutrition-Sensitive Program to maximize and sustain the impact of dietary supplementation.

Existing models like those tested by the DepEd and the International Institute of Rural Reconstruction (IIRR) that linked the school supplementary feeding with vegetable gardening will be advocated for replication and nationwide adoption.

Policy development and resource mobilization will be an important strategy to ensure coverage of the nutritionally-at-risk and undernourished in food-insecure households.

## 4.4 National Nutrition Promotion Program for Behavior Change

The National Nutrition Promotion Program for Behavior Change aims to facilitate the adoption of positive nutrition and related practices that will improve nutrition outcomes. It also aims to raise consciousness on the importance of improving nutrition and ensure that the various nutrition-specific services are supported with appropriate communication activities either as a separate complementary activity or as an activity integral to the service. It recognizes the need to go beyond increasing knowledge on nutrition by analyzing why people behave the way they do and how behaviors change within wider social and economic systems to provide insight on affecting positive nutrition outcomes.

It highlights the interplay of interpersonal communication, social and community mobilization activities, mass media, and advocacy to support individuals, families, nutrition and health care providers, communities, and institutions to adopt and maintain high-impact nutrition-related practices. Effective nutrition SBCC seeks to increase the factors that encourage these behaviors while reducing the barriers to change.

The program will be supported by the appropriate policy cover to create an environment that will facilitate the adoption of desired practices.

The organization and engagement of a technical working group composed of representatives from different government agencies, non-government organizations, and development

<sup>&</sup>lt;sup>14</sup>DSWD informs that malnourished out-of-school children will also be included in the DSWD supplementary program with proper referral.

partners shall be created to oversee the development, implementation, and monitoring and evaluation of the program. This is vital since the program will build on experiences and networks on nutrition promotion particularly in the communities, schools and workplace to increase coverage and reach of the various nutrition promotion initiatives. Guidance from a social and behavior change communication (SBCC) expert will be sought to help the TWG in crafting the SBCC framework and strategy, program and project design details, and the needed formative research and evaluation of the program, as necessary.

The SBCC strategy will be audience-specific and attuned to the language, cultural sensitivities, location and gaps on nutrition-focused knowledge and practices, as well as the enablers and barriers to behavior adoption. It will also consider the behavior change requirements of the other PPAN 2017-2022 programs and define the appropriate delivery mechanism.

The program will take off from the review of nutrition education done by the UPLB BIDANI Network Program for the NNC.

For the integration of nutrition in the sectoral policies, programs, and materials, it aims to incorporate nutrition in Family Development Session modules of the DSWD, school curriculum for primary, secondary, and tertiary levels, and in the Occupational Health and Safety Guidelines of the DOH. For the nutrition promotion in the school, the expressed needs of teachers of ready-to-use nutrition modules will be addressed.

A critical aspect of the program is the establishment of a National Nutrition Promotion Resource Center at the national and regional levels. The center will develop the overall behavior change communication framework, synchronize messages and communication tools. It will also serve as a permanent repository of nutrition communication materials. It will also facilitate the implementation of a cohesive and dynamic monitoring and evaluation system of the various nutrition promotion initiatives. The TWG will assist in the organization or establishment of the resource center.

The national resource center for nutrition promotion will be a reference for researchers, nutrition educators, and universities, both locally and globally. It will also complement related initiatives like the Nutrition Information Network or NUTRINET of FNRI.

The program will have a nationwide coverage with special attention to the 32 PPAN focus areas.

## 4.5 Micronutrient Supplementation

Micronutrient Supplementation (MS) Program focuses on the provision of pharmaceutically prepared vitamins and minerals for the treatment and prevention of specific micronutrient deficiencies to complement more sustainable food-based approaches (e.g. food fortification and diet diversification).

The overall policy on MS is contained in DOH AO No. 2010-010 entitled "Revised Policy on Micronutrient Supplementation" to Reduce Under-Five and Maternal Deaths and Address Micronutrient Needs of Other Population Groups. The micronutrients under this AO are vitamin A, iron-folic acid, Iron, Folate, and Iodine. However, with the recent issuances of the WHO on micronutrients, recent evidence suggests paring down the commodities as a way forward. A leaner policy will be simpler to advocate, plan, implement and execute. The DOH has requested support in reviewing AO 2010-010 specifically for this purpose.

Specific groups targeted by type of micronutrient supplement are shown in Table 9.

Table 9. Target groups by type of micronutrient supplement

| Micronutrient                 | Targets                                     |
|-------------------------------|---|
| Vitamin A                     | Children, 6-59 months old                   |
| Multiple Micronutrient Powder | Children, 6-23 months old                   |
| Iron-Folic Acid               | Pregnant women                              |
|                               | Adolescent females in poor areas            |
| lodized Oil                   | Pregnant and lactating women in areas       |
|                               | endemic to iodine deficiency disorders with |
|                               | poor access to adequately iodized salt      |

At the national level, the DOH will continue to provide supplies for MS (vitamin A, iron-folic acid, iodized oil capsules, and multiple micronutrient powder).

The program also builds on an improved logistics supply chain management system to ensure that micronutrient supplements are available in all health facilities at all times. DOH also plans to procure a software for the electronic logistics and information system (e-LIS) to better track incoming and outgoing commodities in the DOH warehouses and generate real-time inventory to prevent slow movement of commodities and their expiration while in storage.

The Manual of Operations on Micronutrient Supplementation issued by the DOH in 2010 will also be updated through the engagement of a consultant. The updating will consider the recent studies, research results, and updates in the WHO guidelines (if any).

Moreover, a national communication plan will be developed to increase the coverage and compliance to prescribed dosage levels among different target groups. Appropriate information, education and communication (IEC) "take-away" materials explaining the benefits of taking and disadvantages of not taking micronutrient supplements will be an output of this project. Equally important will be home follow up visits to ensure that the supplements are taken in religiously particularly for iron-folic acid supplements and multiple micronutrient powder.

LGUs and NGOs will also be encouraged to augment supplies from the national government to approximate a 100% coverage. Thus, the LGU Mobilization Program will include this concern in the agenda with the LGUs. The DILG issuance on the PPAN 2017-2022 will also cover this concern. Practices of LGUs non-compliant to DOH AO 2010-0010 and DM 2011-

0303 would be addressed with the Commission on Audit (COA) Memorandum reminding LGUs of their obligation to follow such AO and Department Memorandum (DM).

The DOH will lead the MS Program in close coordination at all levels of the administration (national-regional-local) and partnership among multi-sectoral groups. LGUs will be responsible for the delivery of the supplements to the different target groups. The program covers all LGUs targeting specific population groups as prescribed in the micronutrient supplementation policy.

The delivery of commodities at the rural health level in the MSP should be clearly understood to be integral to MNCHN activities, and a strategy to strengthen the nutritional aspect of prenatal care. The Adolescent Health Development Program is also an integral component of this prenatal care particularly for those adolescents who have become pregnant at an early age.

The MS Program is an important complement of the programs on IYCF, dietary supplementation, nutrition promotion, mandatory food fortification, and nutrition in emergencies.

## 4.6 Mandatory Food Fortification

The Mandatory Food Fortification<sup>15</sup> (MFF) Program involves the addition of iron to rice, vitamin A and iron to flour, vitamin A to cooking oil, vitamin A to sugar as mandated by RA 8976 and iodine to human-grade salt as mandated by RA 8172, or as prescribed by the NNC Governing Board<sup>16</sup>. The program is a close complement to the Micronutrient Supplementation Program.

The program aims to ensure the availability of rice, flour, cooking oil, sugar and salt fortified according to standards.

The program will address the identified challenges of mandatory food fortification, particularly. Thus, priorities will include the following:

- 1. Stronger exercise of the regulatory role of the Food and Drug Administration (FDA)
- 2. Stronger interphase among FDA, the National Food Authority, and the Philippine Coconut Authority
- 3. Engagement of the NGO community to assist in monitoring food products at the point of sales
- 4. Review of existing laws to incorporate new realities and global scientific developments on food fortification

<sup>&</sup>lt;sup>15</sup>Food fortification is "the addition of one or more essential nutrients to food, whether or not it is normally contained in the food, for the purpose of preventing or correcting a demonstrated deficiency of one or more nutrients in the population or specific population groups.

<sup>&</sup>lt;sup>16</sup>The addition of folic acid in flour is currently being studied given its importance in preventing neural tube defects (NTD).

- 5. Continuing dialogue with the Bureau of Customs on establishing the baseline quality of imported flour and oil and in ensuring compliance by importers
- 6. Identification and use rapid test kits and systems for monitoring
- 7. Sustained communication effort on the use of fortified staples
- 8. Strengthened engagement with LGUs as integral to the agenda for LGU mobilization

A related effort is on the conferment of the diamond seal on products that comply with food fortification standards. The generic diamond seal has been adapted for iodized salt through the "Saktong Iodine sa Asin" seal. The seal should help consumers identify food products fortified according to standards.

The results of the 2012 review done by the Nutrition Center of the Philippines will be revisited for applicability of its recommendations.

Technically, the industries covered by mandatory food fortification are the lead implementors of mandatory food fortification. However, the DOH through FDA is the program's lead agency particularly on ensuring compliance to fortification standards.

The NNC as mandated by law shall conduct another review of RA 8976 to determine the need for continued mandatory food fortification. It will also lead the review of RA 8976 and RA 8172 on needed amendments.

The NNC, in close coordination with the DOH, will facilitate the formulation of the Mandatory Food Fortification Strategic Plan for 2018-2022 to identify specific undertakings along the priorities. The strategic plan shall also define a clear set of the roles of each agency involved in the MFF Program.

As the overall coordinating and policy-making body on nutrition, the National Nutrition Council will continue to convene and manage the Mandatory Food Fortification Technical Working Group. The DOH through its HPCS will take charge of promotion; and FDA, NFA, PCA, and DILG will enforce and regulate implementation.

The MFF Program is closely linked with the National Dietary Supplementation Program as the use of fortified staples is required for dietary supplementation programs.

## 4.7 Nutrition in Emergencies (NiE)

Nutrition in Emergencies is one of the programs of PPAN 2017-2022 in recognition of the vulnerability of the country to natural and human-induced disasters. It recognizes that shocks resulting from natural calamities and other man-induced disasters tend to move the non-poor

into poverty and the poor into deeper poverty, thereby undermining poverty reduction efforts<sup>17</sup>.

In more recent years, the armed-conflict in regions like ARMM and the impact of slow-onset hazards such as drought in different places in the Philippines have demonstrated adverse effects on child nutrition. The adverse effects are compounded when the emergency and disaster is protracted or repetitive.

The adverse effects result from a mix of factors ranging from decreased food supply, decreased capacity to buy the available food supply, lack of access to safe drinking water and sanitary toilet facilities, decreased capacity to fight infections, among others.

Nutrition in emergencies refer to key nutrition services that are components of emergency preparedness, response, and recovery phases aimed at preventing death and worsening of malnutrition in the affected population, particularly in the most nutritionally vulnerable groups: children under five years old, pregnant women and breastfeeding mothers, and older persons.

Thus, the NiE Program aims to build the capacity of LGUs to withstand, anticipate, prevent, adapt, and recover from stresses and shocks that affect nutrition. Working through Local Disaster Risk Reduction and Management Committees (LDRRMCs) and local nutrition clusters (LNCs), nutrition promotion and management activities will be integrated in the overall disaster risk reduction and management.

This capacity of the LDRRMC/NCs will enable the effective protection of children, women, and other vulnerable groups with respect to their nutritional needs, promoting appropriate infant and young child feeding practices, and preventing undernutrition and worsening of nutritional status particularly in prolonged encampments. The effective management of LDRRMC/NCs activities with respect to nutrition would avert an increasing number of undernourished children precluding PPAN outcomes being achieved.

Implementation of the NiE Program will be guided by the NiE Strategic Plan for 2017-2022 that also serves as a preparedness plan.

Six strategies will be used across the four phases of disaster risk reduction and management (prevention and mitigation, preparedness, response, and recovery and rehabilitation), as follows:

<sup>&</sup>lt;sup>17</sup>Reyes et. al. (2011) shows that during the period 2003-2009, some families were able to move out of poverty but the slots they vacated have been filled up by the new poor. Thus, there has been no change in the poverty incidence. Based on a panel dataset, 23.4 percent of the families in 2009 are classified as poor. Of these families, 47 percent are chronically poor or consistently poor all throughout 2003-2009. The rest were previously non-poor. The over-all poverty incidence in 2009 of 23.4 percent is not very different from the poverty incidence in 2003 of 23.1 percent. Yet, Figure 13 shows that there have been considerable movements in and out of poverty. This analysis highlights the importance of appropriate safety nets to help families from falling into poverty in times of shocks. With well-established safety nets that can be rolled out immediately after a shock, the non-poor need not fall into poverty and the poor will not fall deeper into poverty. Fewer transient poor would translate to a much lower poverty incidence, consisting mainly of the chronic poor. (NEDA MDG Report 2014: Executive Summary page 10)

- 1. Policy development, updating and dissemination
- 2. Capability development
- 3. Prepositioning and resource mobilization
- 4. Promotion and communication
- 5. Inter- and intra-cluster coordination
- 6. Information management

During response and recovery and rehabilitation, the protection of the nutritional status of the vulnerable population will be carried out through the implementation of NiE services that include:

- 1. Advocacy, promotion and protection of breastfeeding through IYCF in Emergencies Program,
- 2. Micronutrient supplementation,
- 3. Management of acute malnutrition, and
- 4. Dietary supplementation.

It will be anchored on other PPAN programs such as IYCF, PIMAM, National Dietary Supplementation Program, National Nutrition Promotion Program for Social and Behavior Change, and Micronutrient Supplementation as preventive measures.

The DOH will preposition the appropriate micronutrients, commodities and other essential lifesaving supplies for emergencies under current guidelines.

The NiE Program is not a stand-alone program. It also needs support from other clusters in ensuring the availability and accessibility to safe, nutritious, and adequate food, preventing and treating malnutrition, providing adequate safe water and promoting good hygiene and sanitation, and protecting vulnerable groups, among others are addressed. A concern to resolve immediately is on the food pack for children 6-23 months old. The possibility of supplementary feeding of pregnant women in emergencies to prevent the worsening of their nutritional status during this critical period will be explored.

The NNC Secretariat and the National Nutrition Cluster will be the lead agency/group that will implement, monitor, and evaluate the NiE Strategic Plan. Priority for preparedness activities will be 50 provinces (36 PPAN focus areas and 14 provinces with multiple risks that are not included in the PPAN priority areas). However, response, recovery, and rehabilitation efforts will be pursued in areas affected by an emergency or disaster.

# 4.8 Overweight and Obesity Management and Prevention Program (OOMPP)

The Overweight and Obesity Management and Prevention Program (OOMPP) aims to prevent an increase in overweight and obesity among children 0-10 years old and decrease prevalence rates among the rest of the population.

The OOMPP encompasses all life stages, as well as the multifaceted and complex nature of the overweight and obesity problem (i.e., link between undernutrition during pregnancy and overweight/obesity later in adult years).

It is linked with other programs in PPAN 2017-2022 particularly the National Nutrition Promotion Program for Behavior Change.

The DOH will be the lead implementing agency as part of the health system response against the rising prevalence of NCDs. Other government agencies will oversee related efforts in settings related to their operations, i.e. The Department of Social Welfare and Development (DSWD) for day care centers, DepEd for the public school system, DOLE for the formal labor sector, the CSC for workers in the public sector Department of Labor and Employment (DOLE). Employer and employee organizations and LGUs are also important partners.

# Chapter 5



# **NUTRITION-SENSITIVE PROGRAMS**

The Nutrition-Sensitive Program involves tweaking the design of on-going development programs to contribute in achieving nutritional outcomes. An on-going development program will be tweaked into a nutrition-sensitive program by deliberate inclusion of nutrition indicators in selecting target areas and beneficiaries, purposive inclusion of nutrition education among program or project components, and others that may be identified.

While each of the projects will be implemented by specific agencies, the coordination for the overall Nutrition-Sensitive Program will be done through the NNC Technical Committee. A TWG composed of those involved in the covered programs and projects will be organized.

LGUs may identify programs and projects to be "enrolled" in the Nutrition Sensitive Program. Selecting and increasing nutrition sensitivity of LGU programs and projects will be part of the LGU mobilization agenda.

# Chapter 6



# **ENABLING PROGRAMS**

# 6.1 Mobilization of Local Government Units for Nutritional Outcomes

The program for mobilization of LGUs for delivery of nutritional outcomes recognizes the key role of LGUs in achieving targeted nutritional outcomes.

This program aims to deliver 36 provinces and the majority of its LGUs (total of 708 municipalities and cities), converting them from LGUs with low-intensity nutrition programs to ones that deliver nutritional outcomes during the six-year period of the PPAN. It is one of the cornerstones of the PPAN 2017-2022.

It is an essential part of the set of programs ensuring two contributions to the PPAN planned outcomes. One is by ensuring that the 36 focus provinces and their 708 cities and municipalities deliver nutritional outcomes. Two, by inspiring and providing models and practices that other provinces, cities, and municipalities can adapt.

LGU mobilization is expected to facilitate convergence of services, that among others will involve national government agencies working in tandem with the demands of the LGUs being mobilized.

Key activities to pursue are the organization of regional PPAN mobilization teams, capacitating these regional PPAN mobilization teams to be effective mobilizers and negotiators, and the development of region-specific strategies for LGU mobilization.

The formulation or re-formulation of local nutrition action plans is also a key activity for this program. Nutrition program or project packages will be developed as a tool for nutrition plan formulation. The ECCD in the First 1000 Days Program will be among the packages to be marketed to LGUs. These packages will be shared with other LGUs for their use.

The LGU Mobilization Program is not a stand-alone program. It capitalizes on the synergy that it provides to the other PPAN programs and the support it gets from the other programs. The outputs of its four reinforcing projects feed the key delivery mechanism of the program which is the interface between the mobilization team and the local chief executives and their local nutrition committees. Project 2 provides the enabling environment in the legal and political frame, while Project 3 provides the tools allowing Project 1 to deliver its outputs.

The NNC Secretariat will lead the implementation of the program but the member agencies of the NNC and other partners will be important partners in implementing the program.

## **6.2** Policy Development for Food and Nutrition

The goal in the current period of the PPAN 2017-2022 is to secure important pieces of legislative, policy and budgetary support that will enable the NGAs and the LGUs to implement the PPAN more robustly. Project 2 (Public Advocacy for Improved Support to Nutrition in the Philippines) will expand and deepen the understanding and appreciation of nutrition in the public mind not just for the benefit of the PPAN 2017-2022 but for generations beyond the current plan period.

The program consists of two projects that will reinforce each other to produce the program result envisioned in this program. Project 1 (Securing Policy Support for the Improving Nutrition in the Philippines) is more directly related to the program objective. Project 2 (Public Advocacy for Improved Support to Nutrition in the Philippines) will expand and deepen the understanding and appreciation of nutrition in the public mind within the framework of the National Nutrition Promotion Program for Social and Behavior Change not just for the benefit of the PPAN 2017 -2022 but for generations beyond the current plan period. The project intends to build a more informed society on the importance of nutrition to individual, family, community, and national development aspirations. It hopes to address multiple weak links in the policy formulation and development arena for policy makers and legislators to open their doors to support the policy and pieces of legislation being proposed in Project 1 and to strongly advocate and secure their approval.

The program aims to produce four major results all contributing to a stronger planning and implementation of the PPAN and ultimately achievement of the four outcomes of the PPAN 2017-2022, which are as follows:

- 1. A stronger and explicit policy pronouncement from the President on the need to address the stagnant and worsening nutritional situation in the country which would in turn result to higher priority being given to nutrition by LGUs and NGAs
- 2. A DILG issuance on LGU actions for nutrition
- 3. Continued inclusion of nutrition concerns in the budget priorities to ensure sustained budgetary support to PPAN 2017-2022 and onwards both from existing budgetary NGA allocations but also from new GOP sources
- 4. Securing pieces of legislation and orders that will reinforce the nutrition human and organizational infrastructure to ensure a more robust local government delivery of nutritional outcomes, create an environment that will enable the adoption of key behaviors

For item 4, the following have been identified as priority concerns for legislation.

- 1. Regulation of the Marketing of Foods of Poor Nutritional Quality for Children
- 2. Amendment to PD 1569 Barangay Nutrition Scholar
- 3. Program Strengthening and Institutionalization of the First 1000 Days Program, including concerns on maternity protection

- 4. Amendment of RA 8976 or the Food Fortification Act
- 5. Adoption of the Maternity Protection (Extended Maternity Leave)
- 6. Mandatory Plantilla Position for NAOs
- 7. Creating a system of food distribution addressing the nutritional needs of the people
- 8. Taxation of sugar-sweetened beverages

The policy development program including the public advocacy project's success rests on three pillars: first, on the establishment of capacity and institutional infrastructure with adequate resources to plan, prioritize and pursue policy development and public advocacy constituted in the NNC Secretariat; second, on the procurement of expert resources outside of the NNC Secretariat to augment the internal capacity for policy development including public advocacy; and third, in the NNC Governing Board's full functionality that will among others, include pursuit of the policy development agenda.

While each of the projects will be implemented by specific agencies, the coordination for the overall program will be under the responsibility by the NNC Technical Committee using its management sub-group for this program.

# Chapter



# MANAGEMENT STRENGTHENING FOR PPAN EFFECTIVENESS

This will be done by improving the efficiency and effectiveness in the planning, implementation, and overall management of the nutrition specific and nutrition sensitive programs.

The program is composed of two projects—Project 1: Securing resource requirements (human, financial, and organizational, for PPAN); Project 2: Strengthening coordinating, monitoring, evaluation, and management of PPAN across NNC including member agencies and NNC Secretariat. Together, the two projects aim to produce changes in the current system of PPAN delivery involving management and coordination, monitoring and evaluation, budgeting, and other vital processes, as well as staffing requirements for the efficient and effective PPAN 2017-2022 implementation.

The priority agenda for action in management strengthening are listed in the section on the results framework.

Included in this list are the review and strengthening of the Philippine Food and Nutrition Surveillance System (PFNSS) and increase in granularity of the NNS. This includes exploring alternative methods for generating provincial estimates for key nutrition indicators. These projects are the full responsibility of the NNC Secretariat, and the NNC member agencies such as FNRI.

The program for management strengthening does not have geographical areas like the nutrition-specific and nutrition-sensitive programs. But because the coverage of these two latter programs is nationwide, the effect of the support provided by the Program for Management Strengthening can also be considered nationwide.

While each of the projects will be implemented by specific agencies, the coordination for the overall program will be under the responsibility by the NNC Technical Committee using its management sub-group for this program.

# Chapter 8



# PPAN RESULTS FRAMEWORK

The results framework has been constructed iteratively and using various inputs from different implementing agencies.

It identifies key outputs to be produced for results ultimately leading to the targeted PPAN outcomes. The goals, PPAN outcomes, program component results and the outputs of the projects were subjected to coherence analysis and subsequently to sensitivity analysis of feasibility of achieving the initially established outcomes given varying conservative assumptions. These assumptions will continually be validated as PPAN implementation.

## Table 10. PPAN 2017-2022 Results Framework

Infant and Young Child Feeding Program. Aims to improve the practice of exclusive breastfeeding and complementary feeding by building and sustaining an enabling environment in various settings. The achievement of its outcomes will also require action from the other programs, particularly the Nutrition Promotion for Behavior Change Program, and the Nutrition in Emergencies Programs.

Results: 33 percent of infants 5 mos old are exclusively breastfed

22.5% of children 6-23 months old meeting minimum acceptable diet

|        | Project/Streets and Outrout  |       | Target |        |        |        |        |                            |  |
|--------|--|-------|--------|--------|--------|--------|--------|----------------------------|--|
|        | Project/Strategy Output  | 2017  | 2018   | 2019   | 2020   | 2021   | 2022   | involved                   |  |
| Health | systems support  |       |        |        |        |        |        |                            |  |
| 1.     | Hospitals accredited as mother-baby friendly   |       |        |        |        |        |        |                            |  |
| a.     | Government hospitals   | 22    | 34     | 22     | 1857   | 1950   | 2047   | DOH,                       |  |
| b.     | Level II and Level III private hospitals that are training institutions for obstetrics and pediatrics  | 34    | 13     | 32     |        |        |        | PhilHealth,<br>DILG, LGUs, |  |
| C.     | Birthing homes   |       |        |        | 1699   |        |        | CSOs                       |  |
| 2.     | No. of hospital with trained personnel on the care of small baby.  | 119   | 168    | 171    | 728    | 1019   | 1165   |                            |  |
| Comm   | unity-based health and nutrition support   |       |        |        |        |        |        |                            |  |
| 3.     | Maternal, Newborn, Infant and Young Child Nutrition (MNIYCN) of Nutrition in Emergency Plans incorporated in LGU disaster risk reduction management plans  | /     | /      | /      | /      | /      | /      | DOH, LGUs,<br>CSOs         |  |
| 4.     | No. of nutrition counselors trained complementary feeding,   | 320   | 480    | 640    | 800    | 1120   | 1280   | DOH, LGUs,                 |  |
|        | relief feeding, etc  | (20%) | (30%)  | (40%)  | (50%)  | (70%)  | (80%)  | CSOs                       |  |
| 5.     | No. of human milk banks (HMB) set up and functional  | 16    | 18     | 18     | 20     | 20     | 20     | DOH, LGUs,<br>CSOs         |  |
| 6.     | No. of municipalities in the PPAN focus provinces with established pool of trained mother-support groups and trained peer counsellors for lactation management counselling, kangaroo mother care, growth monitoring and promotion, complementary feeding, early child development and acute malnutrition for every barangay. | 225   | 678    | 903    | 542    | 632    | 722    | DOH, LGUs,<br>CSOs         |  |
| 7.     | No. of barangays with functional community-based support groups on IYCF.   | 8,406 | 12,609 | 16,812 | 21,015 | 29,420 | 33,623 | DOH, LGUs,<br>CSOs         |  |

| Maternity Protection and Improving Capacities of Workplaces on Bre   | astfeeding |     |     |      |      |      |  |
|--|------------|-----|-----|------|------|------|--|
| 8. Number of regional tripartite industrial peace councils adopting a resolution advocating or in support of breastfeeding and lactation policy. The Philippine Senate has ratified the International Labor Organization Convention 183    | 3          | 5   | 8   | 17   | 17   | 17   | DOLE, DOH,<br>labor groups,<br>trade unions,<br>employers'<br>confederation,<br>other CSOs |
| 9. Government line agencies implementing the CSC –DOLE issuance on RA 10028.   | 10%        | 50% | 75% | 100% | 100% | 100% | DOH, Civil<br>Service<br>Commission  |
| Enforcement of the Milk Code   |            |     |     |      |      |      |  |
| 10. PPAN focus provinces, cities, and municipalities shall have established integrated monitoring and reporting mechanisms of EO 51, RA 10028 and other related issuances on IYCF in every barangay council for the protection of children | 5          | 75  | 90  | 32   | 32   | 32   | DOH, DILG,<br>CWC, CSOs,<br>FDA, DOJ,<br>DSWD, DTI   |
| 11. Regional Interagency Task Force on EO 51, RA 10028 and other related issuances on IYCF organized   | 17         | 17  | 16  | 17   | 17   | 17   | DOH, FDA,<br>DOJ, DSWD,<br>DTI   |

Philippine Integrated Management of Acute Malnutrition Program. This nutrition-specific program is recognized by UNICEF and WHO as the only established, evidence-based intervention which successfully addresses the problem of acute malnutrition. It involves capacity building to local implementors and provision of services to acute malnutrition (SAM and MAM) cases both under routine health program and during emergencies. It aims to locate the acutely malnourished especially those with severe acute malnutrition, and to provide the needed medical and nutritional interventions. To locate the acutely malnourished especially those with severe acute malnutrition, and to provide the needed medical and nutritional interventions.

### Results:

At least 50% of case load for SAM and MAM identified and are enrolled in ITC or OTC facilities.

At least 75% of identified severe acute malnutrition cases admitted are cured

At least 75% of identified moderate acute malnutrition (MAM) cases are cured.

| Project/Strategy Output   |             | Target      |      |              |              |               |          |
|---|-------------|-------------|------|--------------|--------------|---------------|----------|
| Project/Strategy Output   | 2017        | 2018        | 2019 | 2020         | 2021         | 2022          | involved |
| Policy development and implementation   |             |             |      |              |              |               |          |
| <ol> <li>PhilHealth package for SAM cases developed and implemented</li> </ol>  | /           | /           | /    | /            | /            | /             | DOH      |
| Service delivery for management of acute malnutrition   |             |             |      |              |              |               |          |
| <ol> <li>Number of PPAN priority provinces/cities with hospitals<br/>and field health facilities able to provide Inpatient<br/>Therapeutic Care (ITC)</li> </ol>              | 24<br>(30%) | 24<br>(30%) |      | 49<br>(50%)  | 69<br>(70%)  | 98<br>(100%)  | DOH      |
| 14. Number of cities and municipalities in PPAN priority<br>provinces with hospitals and field health facilities able to<br>provide Outpatient Therapeutic Care (OTC) for SAM | 191         | 191         | 191  | 390          | 560          | 779           | DOH      |
| 15. Number of PPAN priority provinces/cities with *functional health service providers network or two-way referral system   | 24          | 24          |      | 41           | 69           | 98            | DOH      |
| 16. Number of PPAN priority cities and municipalities with<br>health facilities able to provide Outpatient Therapeutic<br>Care (OTC) for MAM                                  |             |             |      | 390<br>(50%) | 560<br>(72%) | 779<br>(100%) | DOH      |
| 17. Number of PPAN priority provinces/cities with hospitals and LGU health facilities availing of the developed PhilHealth package for SAM cases                              |             |             |      |              |              | 2             | DOH      |

| Capacity Building of Local Implementors  |             |             |             |              |             |              |                                   |
|--|-------------|-------------|-------------|--------------|-------------|--------------|-----------------------------------|
| 18. Number of PPAN priority provinces/cities with hospital and field health and nutrition staff trained on the appropriate competencies to identify, treat and manage acute malnutrition and deliver quality services both under routine health program and during emergencies | 48<br>(59%) | 48<br>(59%) | 48<br>(59%) | 49%<br>(50%) | 69<br>(70%) | 98<br>(100%) | DOH, LGUs                         |
| 19. No. of LGUs with service delivery network established  |             |             |             | 100          |             |              | DOH, LGUs,<br>CSOs                |
| 20. No. of LGUs availing of the developed PhilHealth package for SAM cases   |             | 20          | 40          | 100          |             |              | DOH,<br>PhilHealth,<br>LGUs, CSOs |
| 21. Scheme for bulk procurement of RUTF and RUSF developed and implemented   |             | /           | /           | /            | /           | /            | DOH,<br>development<br>partners   |

National Dietary Supplementation Program. Aims to supplement the inadequate diets of nutritionally vulnerable groups, particularly pregnant women and children 6-23 months old in food-insecure households and wasted school children. It also aims to supplement the diets of children enrolled in day care centers. Program services will be complemented by those from the other programs, particularly, Nutrition Promotion for Behavior Change, Micronutrient Supplementation, Mandatory Food Fortification, and the Nutrition-Sensitive Program.

### Results:

Pregnant women and lactating mothers enrolled in the program show improved nutritional status Infants and young children 6-23 months old enrolled in the program achieve/maintain normal nutritional status Children in child development centers demonstrate normal nutritional status Children in school demonstrate normal nutritional status

| Project/Strategy Output  |             | Agency/ies  |              |                    |                    |                    |                    |
|--|-------------|-------------|--------------|--------------------|--------------------|--------------------|--------------------|
| Project/Strategy Output  | 2017        | 2018        | 2019         | 2020               | 2021               | 2022               | involved           |
| Dietary supplementation of pregnant and lactating women (FNRI,   | schools and | universitie | s offering c | ourses on fo       | od science,        | DOH, NNC,          | LGUs, CSOs)        |
| <ol> <li>No of food packages/products for dietary<br/>supplementation of undernourished pregnant women<br/>and lactating mothers developed and tested.</li> </ol>  | 2           | 2           | 2            | 2                  | 2                  | 2                  | FNRI, SUCs         |
| 23. Number of nutritionally-at-risk pregnant women in PPAN focus provinces enrolled/covered in the dietary supplementation program   | 10%         | 50%         | 90%          | 227,990<br>(90%)   | 227,990<br>(90%)   | 227,990<br>(90%)   | NNC, LGUs,<br>CSOs |
| 24. Number of health and nutrition workers in PPAN focus provinces capacitated on the management of dietary supplementation of pregnant women  | 100%        | 100%        | 100%         | 43,594<br>(100%)   | 43,594<br>(100%)   | 43,594<br>(100%)   | DOH, LGUs,<br>CSOs |
| 25. Models for delivering dietary supplementation developed and tested   | 1           | 1           | 1            | 1                  | 1                  | 1                  | FNRI, SUCs,<br>NNC |
| Dietary supplementation of infants and young children 6-23 month   | ns old (NNC | , LGUs, CS  | Os)          |                    |                    |                    |                    |
| 26. No. of infants and young children 6-23 months old in PPAN focus provinces enrolled in the dietary supplementation program regardless of nutritional status   | 10%         | 60%         | 90%          | 1,376,540<br>(90%) | 1,399,565<br>(90%) | 1,423,035<br>(90%) | NNC, LGUs,<br>CSOs |
| 27. No. of health and nutrition workers capacitated on the management of dietary supplementation of infant and young children 6-23 months old, including linkages with services of other programs, e.g. promotion of infant and young child feeding, micronutrient supplementation, etc. | 20%         | 40%         | 100%         | 100%               | 100%               | 100%               | NNC, LGUs,<br>CSOs |

| Dietary supplementation of children in child development centers   | and superv  | rised neighb | orhood pla  | y (DSWD, LO | GUs, CSOs) |      |                      |
|--|-------------|--------------|-------------|-------------|------------|------|----------------------|
| 28. Children in child development centers (CDCs) and supervised neighborhood play (SNPs) provided with dietary supplementation   | 80%         | 80%          | 80%         | 80%         | 80%        | 80%  | DSWD, LGUs,<br>CSOs  |
| 29. Day care workers capacitated on the management of food supplementation, including the identification of under or overnutrition, and linkages with services of other programs e.g., nutrition education, in percent | 20%         | 75%          | 100%        | 100%        | 100%       | 100% | DSWD, LGUs,<br>CSOs  |
| Dietary supplementation of wasted school children (DepEd, LGUs   | , CSOs)     | ,            |             |             |            |      |                      |
| 30. No. of wasted school children in grades K-6 provided with supplementary feeding  | 100%        | 100%         | 100%        | 100%        | 100%       | 100% | DepEd, LGUs,<br>CSOs |
| 31. No. of teachers implementing supplementary feeding capacitated on the management of the feeding program including linkages with services of other programs   | 100%        | 100%         | 100%        | 100%        | 100%       | 100% | DepEd, LGUs,<br>CSOs |
| Support component (FNRI, SMSEs, LGUs and SUCs adopting FNI   | RI-develope | d and other  | related tec | hnologies)  |            |      |                      |
| 32. No. of complementary food processing facilities of complementary, supplementary food for children and pregnant women established and operationalized   | 37          | 40           | 46          | 50          | 55         | 60   | FNRI, SUCs,<br>CSOs  |
| 33. No. of LGUs procuring from the existing food plants enrolled in the program and increased volume of transactions with food plants by national government agencies with food plants (FNRI)                          | 80%         | 80%          | 80%         | 80%         | 80%        | 80%  | FNRI, SUCs,<br>CSOs  |
| Cross-cutting concerns   |             |              |             |             |            |      |                      |
| 34. Guidelines on dietary supplementation for the First 1000 Days (F1K) formulated, approved, disseminated, and implemented  |             |              |             |             | /          |      | DOH, NNC             |
| 35. Guidelines for the acceptance of donations for dietary supplementation programs per RA 11037 formulated, approved, disseminated, and implemented   |             |              |             | /           |            |      | DOH                  |
| 36. Five-year plan for the implementation of National Feeding Program per RA 11037 formulated and disseminated   |             |              |             | /           |            |      | DSWD, DepEd          |

| 37. IRR of RA 11037 formulated and disseminated   |   |   | / |   | DSWD, DepEd               |
|---|---|---|---|---|---------------------------|
| 38. <b>RA 11148</b> – Kalusugan at Nutrisyon ng Mag-Nanay Act (2018) approved and disseminated      | / |   |   |   | DOH, NNC                  |
| 39. <b>RA 11148 IRR</b> formulated, approved, disseminated, and implemented                         |   | / |   |   | DOH, NNC                  |
| 40. JMC on the implementation of NDSP under PPAN  |   |   |   | / | NNC, DSWD,<br>DepEd, DILG |
| 41. Number of ARBOS/SLPAs/NIAs/local cooperatives with marketing agreement with DSWD, DepEd and NNC |   |   |   | / | NNC, DepEd,<br>DSWD       |

National Nutrition Promotion Program for Behavior Change. Will combine communication approaches such as behavior change communication, social and community mobilization, and advocacy to support individuals, families, communities, and institutions to adopt and maintain high-impact nutrition-related practices. Effective nutrition SBCC seeks to increase the factors that encourage these behaviors while reducing the barriers to change. It will be supported by the appropriate policy cover as well as efforts to ensure adequacy of supply of services and related needs to create an environment that will facilitate the adoption of desired practices.

#### Results:

Pregnant women undergoing 4 or more ante-natal visits
5 months old infants who are exclusively breastfed
Infants and young children 6-23 months old meeting minimum adequate diet
Practice of andwashing
Households using adequately iodized salt
Improvement in physical activity

| Project/Stretomy Output   | Target |      |      |      |      |      | Agency/ies                   |
|---|--------|------|------|------|------|------|------------------------------|
| Project/Strategy Output   |        | 2018 | 2019 | 2020 | 2021 | 2022 | involved                     |
| 42. Social and Behavior Change Communication (SBCC) plan developed  | /      |      |      |      | /    |      | DOH, NNC                     |
| 43. Organization of National TWG for Nutrition Promotion<br>Program for Social and Behavior Change  |        |      |      | /    |      |      | DOH, NNC                     |
| 44. Nutrition information resource center set up and functional at the national and regional levels, which shall serve as a permanent repository of nutrition promotion materials and other resources |        |      |      | 6    | 13   | 17   | NNC                          |
| 45. Provinces implementing the national communication strategy (e.g. <i>Idol ko si Nanay</i> , NGF, 10 <i>Kumainments</i> )   | 32     | 32   | 32   | 32   | 32   | 32   | NNC, LGUs                    |
| 46. Development of SBCC materials   | /      | /    | /    | /    | /    | /    | DOH, NNC                     |
| 47. Integration of nutrition in the sectoral policies, programs, and materials  | /      | /    | /    | /    | /    | /    | NNC GB<br>member<br>agencies |
| 48. Development of SBCC guidelines  |        |      |      |      | 19   |      | DOH, NNC                     |
| 49. Monitoring and evaluation studies   |        |      |      | 1    | 1    | 1    | DOH, NNC                     |

Micronutrient Supplementation Program. Focuses on the provision of pharmaceutically prepared vitamins & minerals for treatment and prevention of specific micronutrient deficiency to complement sustainable food-based approaches (e.g. food fortification and diet diversification) to address deficiencies in micronutrients. (DOH, LGUs, CSO, development partners)

### Results:

90% of poor pregnant women receive and take-in iron-folic acid supplementation as per guidelines.

90% of pregnant and lactating women in areas endemic with iodine deficiency disorders receive iodized oil capsules.

90% of children 6-11 mos receive high-dose vitamin A once a year.

90% of children 12 – 59 months old receive high-dose vitamin A twice a year.

90% of children 6-11 months old receive adequate supply of micronutrient powder as per guidelines.

90% of children 12-23 months old receive adequate supply of micronutrient powder as per guidelines.

90% of adolescent females receive and take-in iron-folic acid supplements as per guidelines.

| Project/Streets as Chistry it   |                    | Agency/ies         |                    |                     |                     |                     |                    |  |  |
|---|--------------------|--------------------|--------------------|---------------------|---------------------|---------------------|--------------------|--|--|
| Project/Strategy Output   | 2017               | 2018               | 2019               | 2020                | 2021                | 2022                | involved           |  |  |
| Health systems support (DOH, PhilHealth, LGUs, CSOs, private birthing facilities, private health facilities with maternity services)                    |                    |                    |                    |                     |                     |                     |                    |  |  |
| Logistics and system  |                    |                    |                    |                     |                     |                     |                    |  |  |
| 50. Logistics systems for MN supplements assessed and improved to ensure micronutrient supplements are available in all health facilities at all times. | /                  | /                  | /                  | /                   | /                   | /                   | DOH, LGUs,<br>CSOs |  |  |
| 51. Electronic logistics and information system (e-LIS) operational   |                    |                    |                    |                     | /                   | /                   | DOH                |  |  |
| 52. Delivery and utilization of nutrition commodities in various health facilities tracked through the Pharmaceutical Management Information System     |                    | /                  |                    | /                   | /                   | /                   | DOH                |  |  |
| 53. Scheme for paying for micronutrient supplementation through PhilHealth under the Universal Health Care Law developed and implemented                |                    |                    |                    | /                   | /                   | /                   | PhilHealth         |  |  |
| Procurement, distribution and availability of supplies  |                    |                    |                    |                     |                     |                     |                    |  |  |
| 54. Supplies of iron-folic acid for pregnant women procured   | 1,946,296<br>(53%) | 2,052,026<br>(55%) | 3,410,639<br>(90%) | 2,967,542<br>(100%) | 3,019,554<br>(100%) | 3,072,610<br>(100%) | DOH, LGUs,<br>CSOs |  |  |

| Supplies of iron-folic acid for pregnant women   | 1,946,296  | 2,052,026  | 3,410,639  | 2,967,542   | 3,019,554   | 3,072,610  | DOH, LGUs,   |
|--|--|--|--|---|---|--|--|
| المراجع المنافعة المن |  |  |  |   |   | , ,  | 20, 2000,  |
| distributed  | (53%)  | (55%)  | (90%)  | (100%)  | (100%)  | (100%)   | CSOs   |
| Supplies of iodized oil capsules for pregnant and  | 1,946,296  | 2,052,026  | 3,410,639  | 2,967,542   | 3,019,554   | 3,072,610  | DOH, LGUs,   |
| lactating women procured   | (53%)  | (55%)  | (90%)  | (100%)  | (100%)  | (100%)   | CSOs   |
| Supplies of iodized oil capsules for pregnant and  | 1.047.207  | 2.052.024  | 2 410 420  | 2047 542  | 2.010.554   | 2.072./10  | DOLL I CUa   |
| lactating women distributed in areas endemic to  |  |  |  |   |   |  | DOH, LGUs,   |
| iodine deficiency  | (53%)  | (55%)  | (90%)  | (100%)  | (100%)  | (100%)   | CSOs   |
| Supplies of vitamin A capsules for children 6 mos  | 7,266,346  | 7,123,461  | 11,839,791   | 10,645,781  | 10,832,370  | 11,022,705   | DOH, LGUs,   |
| - 5 years old procured   | (57%)  | (55%)  | (90%)  | (100%)  | (100%)  | (100%)   | CSOs   |
| Supplies of vitamin A capsules for children 6 mos  | 7,266,346  | 7,123,461  | 11,839,791   | 10,645,781  | 10,832,370  | 11,022,705   | DOH, LGUs,   |
| -5 years old distributed   | (57%)  | (55%)  | (90%)  | (100%)  | (100%)  | (100%)   | CSOs   |
| Supplies of micronutrient powder for young   | 3,824,393  | 3,885,524  | 3,946,572  | 3,406,079   | 3,465,777   | 3,526,674  | DOH, LGUs,   |
|  | (90%)  | (90%)  | (90%)  | (100%)  | (100%)  | (100%)   | CSOs   |
| '  | 2001   | 0001   |  |   |   |  | DOH, LGUs,   |
| • •  | 90%  | 90%  | 90%  | 100%  | 100%  | 100%   | CSOs   |
| ' '  | 2001   | 000/   |  | 1000/   | 1000/   |  | DOH, LGUs,   |
| ···  | 90%  | 90%  | 90%  | 100%  | 100%  | 100%   | CSOs   |
| y building   |  |  |  |   |   |  |  |
|  |  |  |  |   |   |  |  |
| 1 0  |  |  |  |   |   |  |  |
|  |  |  |  |   |   |  |  |
| <u> </u>   | /  | /  | /  | /   | /   | /  | DOH  |
| •  |  |  |  |   |   |  |  |
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| ·  |  |  |  |   |   |  |  |
| · ·  |  |  |  |   |   |  |  |
| micronutrients to ensure intake of these nutrition   |  | ,  | ,  | ,   | ,   | ,  | 5011 000   |
|  | I /  | l /  | /  | /   | /   | /  | DOH, CSOs  |
| supplements by at least 90% of the target  | ,  |  |  |   |   |  |  |
|  | Supplies of iodized oil capsules for pregnant and lactating women distributed in areas endemic to iodine deficiency Supplies of vitamin A capsules for children 6 mos -5 years old procured Supplies of vitamin A capsules for children 6 mos -5 years old distributed Supplies of micronutrient powder for young children 6-23 months old are procured Supplies of iron-folic acid tablets for adolescent females in poor areas procured Supplies of iron-folic acid tablets for adolescent females in poor areas distributed  / building A regular technical updating established for sustainable system of delivering training for the regional nutrition coordinators and other technical staff at all levels of service delivery as part of the human resource development. A module to track the commodity may be developed.  Ey and communication plan Advocacy to LGUs to invest on additional | Supplies of iodized oil capsules for pregnant and lactating women distributed in areas endemic to iodine deficiency  Supplies of vitamin A capsules for children 6 mos 7,266,346 - 5 years old procured (57%)  Supplies of vitamin A capsules for children 6 mos 7,266,346 - 5 years old distributed (57%)  Supplies of micronutrient powder for young 3,824,393 children 6-23 months old are procured (90%)  Supplies of iron-folic acid tablets for adolescent females in poor areas procured  Supplies of iron-folic acid tablets for adolescent females in poor areas distributed 7 building  A regular technical updating established for sustainable system of delivering training for the regional nutrition coordinators and other technical staff at all levels of service delivery as part of the human resource development. A module to track the commodity may be developed.  Sy and communication plan  Advocacy to LGUs to invest on additional | Acctating women procured  Supplies of iodized oil capsules for pregnant and lactating women distributed in areas endemic to iodine deficiency  Supplies of vitamin A capsules for children 6 mos 5. Supplies of vitamin A capsules for children 6 mos 6. Supplies of vitamin A capsules for children 6 mos 7.266,346 (55%)  Supplies of vitamin A capsules for children 6 mos 7.266,346 (55%)  Supplies of vitamin A capsules for children 6 mos 7.266,346 (55%)  Supplies of witamin A capsules for children 6 mos 7.266,346 (57%) (55%)  Supplies of micronutrient powder for young 7.266,346 (57%) (55%)  Supplies of micronutrient powder for young 8. Supplies of iron-folic acid tablets for adolescent females in poor areas procured 7. Supplies of iron-folic acid tablets for adolescent females in poor areas distributed 7. Supplies of iron-folic acid tablets for adolescent females in poor areas distributed 7. Supplies of iron-folic acid tablets for adolescent females in poor areas distributed 7. Supplies of iron-folic acid tablets for adolescent females in poor areas distributed 7. Supplies of iron-folic acid tablets for adolescent females in poor areas distributed 7. Supplies of iron-folic acid tablets for adolescent females in poor areas distributed 7. Supplies of iron-folic acid tablets for adolescent females in poor areas distributed 7. Supplies of iron-folic acid tablets for adolescent females in poor areas distributed 7. Supplies of iron-folic acid tablets for adolescent females in poor areas distributed 7. Supplies of iron-folic acid tablets for adolescent females in poor areas distributed 7. Supplies of iron-folic acid tablets for adolescent females in poor areas distributed 7. Supplies of iron-folic acid tablets for adolescent females in poor areas procured 7. Supplies of iron-folic acid tablets for adolescent females in poor areas procured 7. 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Supplies of iron-f | lactating women procured  Supplies of iodized oil capsules for pregnant and lactating women distributed in areas endemic to iodine deficiency  Supplies of vitamin A capsules for children 6 mos 5 years old procured  Supplies of vitamin A capsules for children 6 mos 7,266,346 (55%)  Supplies of vitamin A capsules for children 6 mos 7,266,346 (55%)  Supplies of vitamin A capsules for children 6 mos 7,266,346 (55%)  Supplies of vitamin A capsules for children 6 mos 7,266,346 (55%)  Supplies of micronutrient powder for young 7,266,346 (55%)  Supplies of micronutrient powder for young 8,824,393 (90%)  Supplies of iron-folic acid tablets for adolescent females in poor areas procured  Supplies of iron-folic acid tablets for adolescent females in poor areas distributed  Vouilding  A regular technical updating established for sustainable system of delivering training for the regional nutrition coordinators and other technical staff at all levels of service delivery as part of the human resource development. A module to track the commodity may be developed.  Sy and communication plan  Advocacy to LGUs to invest on additional | lactating women procured  Supplies of iodized oil capsules for pregnant and lactating women distributed in areas endemic to iodine deficiency  Supplies of vitamin A capsules for children 6 mos - 5 years old procured  Supplies of vitamin A capsules for children 6 mos - 7,266,346 (55%)  Supplies of vitamin A capsules for children 6 mos - 7,266,346 (57%)  Supplies of vitamin A capsules for children 6 mos - 7,266,346 (57%)  Supplies of vitamin A capsules for children 6 mos - 7,266,346 (57%)  Supplies of vitamin A capsules for children 6 mos - 7,266,346 (57%)  Supplies of micronutrient powder for young - 7,266,346 (55%)  Supplies of micronutrient powder for young - 7,266,346 (55%)  Supplies of iron-folic acid tablets for adolescent females in poor areas procured  Supplies of iron-folic acid tablets for adolescent females in poor areas distributed  A regular technical updating established for sustainable system of delivering training for the regional nutrition coordinators and other technical staff at all levels of service delivery as part of the human resource development. A module to track the commodity may be developed.  Sy and communication plan  Advocacy to LGUs to invest on additional | lactating women procured  (53%) (55%) (90%) (100%) (100%)  Supplies of iodized oil capsules for pregnant and lactating women distributed in areas endemic to iodine deficiency  1,946,296 (53%) (55%) (90%) (100%) (100%)  Supplies of vitamin A capsules for children 6 mos Supplies of vitamin A capsules for children 6 mos Supplies of vitamin A capsules for children 6 mos Supplies of vitamin A capsules for children 6 mos Supplies of vitamin A capsules for children 6 mos Supplies of vitamin A capsules for children 6 mos Supplies of vitamin A capsules for children 6 mos Supplies of vitamin A capsules for children 6 mos Supplies of vitamin A capsules for children 6 mos Supplies of iron-folic acid tablets for adolescent females in poor areas procured  Supplies of iron-folic acid tablets for adolescent females in poor areas distributed  A regular technical updating established for sustainable system of delivering training for the regional nutrition coordinators and other technical staff at all levels of service delivery as part of the human resource development. A module to track the commodity may be developed.  Sy and communication plan  Advocacy to LGUs to invest on additional | Supplies of ivitamin A capsules for children 6 mos   5.5 years old distributed   (57%)   (55%)   (90%)   (100 |

| 65. Communication plan targeting beneficiaries and parents and caregivers to take the recommended dosage and number of micronutrient supplements | / | / | / | / | / | / | DOH, LGUs,<br>CSOs.                             |
|--|---|---|---|---|---|---|---|
| 66. No. of national communication  | / | / | / | / | / | / | DOH., LGUs,<br>CSOs,<br>development<br>partners |
| Monitoring and evaluation  |   |   |   |   |   |   |   |
| 67. Monitoring and Evaluation through the FHSIS and conduct of PIR   | / | / | / | / | / | / | DOH, LGUs                                       |
| 68. All regional technical teams monitoring activities are fully funded and hold an annual program implementation review (PIR)                   | / | / | / | / | / | / | DOH, LGUs                                       |

Mandatory Food Fortification Program. Involves the addition of one or more nutrients to rice, flour, cooking oil, and sugar and voluntary fortification of processed foods as mandated by RA 8976 and iodine to salt as mandated by RA 8172, or as prescribed by the NNC Governing Board.

#### Results:

50% of registered wheat flour millers, importers, distributors, and traders fortifying and/or ensuring wheat flour is fortified with vitamin A and iron according to standards

50% of registered cooking oil refiners, importers, distributors, and traders fortifying and/or ensuring cooking oil is fortified with vitamin A according to standards

25% of rice requirements of government agencies implementing social safety net programs use iron fortified rice for distribution or food preparation 70% of imported salts and all local salt should be iodized based on the acceptable standards

90% of households use adequately iodized

| Project/Strategy Output   |      | Agency/ies |      |      |      |      |   |
|---|------|------------|------|------|------|------|---|
|   | 2017 | 2018       | 2019 | 2020 | 2021 | 2022 | involved  |
| Overall Program Coordination, Monitoring and Evaluation   |      |            |      |      |      |      |   |
| 69. Reorganization of the TWG on Food Fortification and Sub-TWGs on flour, oil, sugar, and processed foods and salt |      |            |      | /    | /    |      | NNC, TWG-FF   |
| 70. RA 8976 reviewed and updated  |      |            |      | /    | /    |      | NNC   |
| 71. Strategic Plan for mandatory food fortification formulated and approved by the NNC                              |      |            |      |      | /    |      | NNC   |
| 72. Strategic plan on mandatory fortification of cooking oil, rice, sugar, and wheat flour implemented              |      |            |      |      | /    | /    | FDA, rice,<br>flour,<br>cooking oil,<br>sugar<br>industries,<br>FNRI, DOH,<br>SRA, PCA,<br>NFA, NGAs,<br>NGOs, CSOs,<br>development<br>partners |
| 73. Review of implementation and formulation guidelines on voluntary fortification of processed foods               |      |            |      | /    |      |      | DOH, NNC,<br>NEDA   |

|         | National health promotion and communication plan on<br>mandatory food fortification developed and<br>implemented as part of the Nutrition Promotion Program<br>for Behavior Change | / | / | / | / | / | / | DOH, NNC   |
|---------|--|---|---|---|---|---|---|--|
| Strengt | hened compliance monitoring system   |   |   |   |   |   |   |  |
| 75.     | Management information system operationalized and feedback system the with industry and TWG strengthened   | / | / | / | / | / | / | DOH, NNC,<br>FDA, NFA,<br>SRA, PCA               |
| 76.     | Scheme for engagement of CSOs in monitoring developed, tested and implemented  |   |   |   |   |   |   | NNC, FDA,<br>DOH                                 |
| Wheat   | Flour  |   |   |   |   |   |   |  |
| 77.     | Policy on mandatory folic acid fortification of flour reviewed and approved by the NNC Governing Board   |   |   |   |   |   | / | NNC  |
| 78.     | Studies on retention, stability, and acceptability   |   |   |   |   |   | / | FNRI   |
| Rice    |  |   |   |   |   |   |   |  |
| 79.     | Policy on the use of iron fortified rice in social safety net approved by the NNC Governing Board  |   |   |   | / |   |   | NNC  |
| 80.     | Approved policy on the use of iron-fortified rice in social safety net programs implemented and monitored  |   |   |   | 3 | 2 | 1 | DOH, DSWD,<br>DepEd                              |
| 81.     | FDA guidelines on use of extruded iron rice fortificant approved   |   |   |   | 1 |   |   | FDA  |
| Salt    |  |   |   |   |   |   |   |  |
| 82.     | Amended Revised IRR of RA 8172 approved  |   |   |   | 1 |   |   | NNC  |
| 83.     | Strategic plan of the NSIP implemented   | / | / | / |   | 1 | / | DOH, NNC,<br>FDA, ITDI,<br>Salt<br>ManUfacturers |

Nutrition in Emergencies Program. This nutrition-specific program involves the provision of nutrition services to populations affected by a disaster or emergency, particularly in the response and recovery phases. It also involves emergency preparedness to ensure that the capacity to respond well is present.

#### Results:

Nutrition protection in emergencies integrated in overall disaster risk reduction and management efforts in the 50 priority provinces of the NiE Program

| Businest/Ctuetaeus Outrout  |      | Agency/ies |              |               |               |      |                                  |
|---|------|------------|--------------|---------------|---------------|------|----------------------------------|
| Project/Strategy Output -   | 2017 | 2018       | 2019         | 2020          | 2021          | 2022 | involved                         |
| olicy development, updating and dissemination   |      |            |              |               |               |      |                                  |
| 84. AO on Nutrition in Emergencies developed and disseminated   |      |            |              |               | 1             |      | DOH, NNC,<br>UNICEF              |
| 85. 2009 Policy Guide on Nutrition in Emergencies updated and disseminated  |      |            |              |               | 1             |      | DOH, NNC                         |
| 86. DRRM-H-NiE Plan developed/updated and integrated in the DRRM-H Plan/LNAP at the national, regional, provincial, city/municipal levels |      |            |              |               |               |      |                                  |
| a. National level   |      |            | 1<br>(100%)  |               | 1<br>(100%)   |      | DOH, NNC                         |
| b. Regional level   |      |            | 17<br>(100%) |               | 17<br>(100%)  |      | LGUs                             |
| c. Provincial level   |      |            | 81<br>(100%) | 47<br>(58.0%) | 34<br>(42.0%) |      |                                  |
| d. Municipality/city level  |      |            |              | 157           | 111           | 411  |                                  |
| 87. NNC Governing Board resolution on information management in emergencies approved and disseminated                                     |      |            | 1            |               |               | 1    | NNC                              |
| 88. ECCD-F1K Manual of Operations mainstreamed emergency setting  |      | 1          |              | 1             |               |      | DOH, NNC<br>UNICEF               |
| 89. Nutrition Cluster Advisories issued for emergencies and disasters   |      |            | At least one | major even    | t             |      | National<br>Nutrition<br>Cluster |

| 90.      | NiE training modules and materials reviewed, updated, and disseminated                                  |   | / | /  | /   | /   |          | DOH, NNC,<br>UNICEF, WFP              |
|----------|---|---|---|----|-----|-----|----------|---------------------------------------|
| 91.      | Regions, provinces, cities and municipalities with staff trained on NiE and Information Management (IM) |   |   |    |     |     |          |                                       |
| a.       | Nutrition in Emergencies  |   |   |    |     |     |          |                                       |
|          | a.1 Regional level  |   |   | 16 | 1   |     |          | DOH, NNC,                             |
|          | a.2 Provincial level  |   |   |    | 47  |     |          | LGUs, CSOs,                           |
|          | a.3 Municipal/city level  |   |   |    | 157 | 111 | 411      | development                           |
| b.       | Information Management  |   |   |    |     |     |          | partners                              |
|          | b.1 Regional level  |   |   | 17 |     |     |          |                                       |
|          | b.2 Provincial level  |   |   | 68 | 13  |     |          |                                       |
|          | b.3 Municipal/city level  |   |   |    | 157 | 111 | 411      |                                       |
| Preposi  | tioning and resource mobilization   |   | • |    |     |     | <u> </u> |                                       |
| 92.      | Key supplies prepositioned and mobilized within 24-48 hours, as needed/requested                        | / | / | /  | /   | /   | /        | DOH, LGUs,<br>development<br>partners |
| Promot   | ion and communication   |   |   |    |     |     |          |                                       |
| 93.      | Communication package for NiE developed and disseminated  | / | / | /  | /   |     |          | DOH, NNC,<br>development<br>partners  |
| Inter- a | nd intra-cluster coordination   |   |   |    |     |     |          |                                       |
| 94.      | Nutrition Clusters at the national, regional, provincial, city/municipal levels organized               | / | / | /  | /   | /   | /        | DOH, LGUs,<br>development<br>partners |
| a.       | National level  |   |   |    | 1   | 1   | 1        | DOH, NNC,                             |
| b.       | Regional level  |   |   |    | 17  | 17  | 17       | LGUs, NGOs,                           |
| C.       | Provincial level  |   |   |    | 47  | 34  | 0        | development                           |
| d.       | Municipality/city level   |   |   |    | 157 | 111 | 411      | partners                              |

| 95.     | National, regional and local nutrition clusters respond to emerging situations and use IM tools for reporting      | / | / | / | /  | /   | /   | DOH, NNC,<br>national,<br>regional and<br>local nutrition<br>clusters |
|---------|--|---|---|---|----|-----|-----|---|
| 96.     | All other elements of the NiE National Strategic Plan implemented  | / | / | / | /  | /   | /   | National<br>Nutrition<br>Cluster                                      |
| Informa | ition management   |   |   |   |    |     |     |   |
|         | Operational guidelines on nutrition assessment, monitoring and evaluation developed and disseminated               | / | / | / | /  |     |     | DOH, NNC,<br>development<br>partners                                  |
| 98.     | Capacity maps for national, regional, provincial, and city/municipality levels generated 1st quarter of every year |   |   |   |    | 1   |     | NNC   |
| a.      | National level   |   | 1 |   | 1  | 1   | 1   | National,   |
| b.      | Regional level   |   |   |   | 17 | 17  | 17  | regional and  |
| C.      | Provincial level   |   |   |   |    | 81  | 81  | local nutrition   |
| d.      | Municipality/city level  |   |   |   |    | 158 | 419 | clusters  |
| 99.     | Monitoring and evaluation framework for Nutrition<br>Cluster Strategic Plan updated                                |   |   |   |    | 1   |     | National<br>Nutrition<br>Cluster                                      |

Overweight and Obesity Management and Prevention Program. Involves the promotion of healthy eating environments and healthy lifestyle; also involves the management of those already overweight and obese

#### Results

No further increase in the prevalence of overweight and obesity among preschool and school children, adolescents and adults

| Project/Strategy Output  |      |      | Agency/ies |      |      |      |             |
|--|------|------|------------|------|------|------|-------------|
| Froject/Strategy Output  | 2017 | 2018 | 2019       | 2020 | 2021 | 2022 | involved    |
| 100. Organization of the OOMP Task Force   |      |      |            | /    |      |      | NNC         |
| <ol> <li>Conduct of Landscape Analysis on Childhood</li> <li>Overweight and Obesity</li> </ol> |      |      |            |      | /    |      | UNICEF, NCP |
| 102. Updated guidelines on physical activity for Filipinos                                     |      |      |            |      | /    |      | DOH-DPCB    |
| <ol> <li>Conduct of policy forum on healthy eating<br/>environment</li> </ol>                  |      |      |            |      |      | /    | DOH-DPCB    |

Nutrition-Sensitive Program. Involves tweaking the design of ongoing development programs to contribute to achieving nutritional outcomes

#### Results:

Decrease in the number of nutritionally at-risk pregnant women

Decrease in the prevalence of low birth weight

Improved care practices of caregivers among children

Improvement in the number of households meeting energy requirement

Improvement in the availability and access to food of the most vulnerable population

|   |              |              |              | Target        |             |             |                        |
|---|--------------|--------------|--------------|---------------|-------------|-------------|------------------------|
| Project/Strategy Output   | 2017         | 2018         | 2019         | 2020          | 2021        | 2022        | Agency/ies<br>involved |
| Nutrition in Health   |              |              |              |               |             |             |                        |
| Improving access to Water, Sanitation and Hygier  | ie (WASH) se | rvices       |              |               |             |             |                        |
| 104. Eligible LGUs endorsed to DBM for release of project's financial subsidy (SALINTUBIG | 129<br>(96%) | 129<br>(96%) | 129<br>(96%) | 134<br>(100%) |             |             | DILG                   |
| 105. Capacity Development Assistance to LGUs on WASH Sector Assessment and Planning       | 78<br>(46%)  | 78<br>(46%)  | 78<br>(46%)  | 78<br>(46%)   | 45<br>(27%) | 45<br>(27%) | DILG                   |
| Improving access to health and family planning se   | rvices       |              |              |               |             |             |                        |
| 106. Adolescents provided with Adolescent Health and Development (AHD) information        |              |              |              | 170,000       | 170,000     | 170,000     | PopCom                 |
| 107. Adults (parents, teachers, service providers) provided with AHD information          |              |              |              | 5,100         | 5,100       | 5,100       | PopCom                 |
| Nutrition in Agriculture  |              |              |              | •             |             |             | · ·                    |
| Improving income through agricultural technolog   | /            |              |              |               |             |             |                        |
| Production Support Sub-Program  |              |              |              |               |             |             |                        |

| 108. LGUs assisted with production support services          | 80           | 81   | 82   | 82   | DA (NRP,<br>NCP,<br>HVCDP,<br>NLP, NOAP)    |
|--|--------------|--|--|--|---|
| 109. Beneficiaries provided with production support services |              |  |  |  | DA (NRP,                                    |
| a. Individual beneficiaries                                  | 243,983      | 992,094<br>(40 families<br>mushroom<br>production) | 2,626,828<br>(40 families<br>mushroom<br>production) | 2,808,209 (80<br>families<br>mushroom<br>production) | NCP,<br>HVCDP,<br>NLP, NOAP,<br>SAAD, BFAR) |
| b. Group beneficiaries                                       | 7,044        | 8,786  | 9,970  | 15,155   |   |
| 110. Agriculture inputs provided                             |              |  |  |  |   |
| a. Seeds distributed, kgs                                    | 3,659,151.89 | 6,381,409  | 32,433,534   | 30,882,964.952                                       |   |
| b. Planting materials distributed, kgs                       | 127,100      | 6,800  | 910  | 11,580   |   |
| c. Animals distributed, head                                 | 34,890       | 90,595   | 199,757  | 249,316  |   |
| d. Biological control agents distributed, pc                 |              |  | 808,950  | 828350   |   |
| e. Biologics, vaccines and drugs distributed, dose           | 6,566,748    | 12,114,461   | 1,824,740  | 3,397,273  |   |
| f. Farm supplies distributed, number                         | 1,451        | 172,886  | 13,940   | 390,821  | DA (NRP,                                    |
| g. Farm inputs distributed, kgs                              |              | 112,261  | 79,006   | 84,506   | NCP,  |
| h. Botanical pesticides distributed, L                       |              |  | 9,490  | 700  | HVCDP,                                      |
| i. Fertilizers and other soil ameliorants<br>distributed, kg | 1,091,775.2  | 42,016,012   | 230,376,393  | 225,131,576  | NLP, NOAP,<br>SAAD, BFAR)                   |
| j. Semen straws distributed, number                          | 261,635      | 262,786  | 248,962  | 273,984  | ]   |
| k. Livelihood projects implemented, number                   | 101          | 326  | 427  | 410  |   |
| l. Fishing gear/paraphernalia distributed, number            | 32,920       | 25,893   | 23,919   | 9,124  |   |
| m. Broodstocks distributed, pcs                              | 5.72M        | 5.37M  | 5.27M  | 5.87M  | ]   |
| n. Seaweed propagules, kgs                                   | 844,759      | 748,500  | 718,170  | 769,760  | ]   |
| o. Seaweed farm implements, set                              | 1,748        | 2,872  | 1,593  | 372  |   |

| p. Seaweed nurseries established,<br>number                 | 15      | 22        | 23        | 20       |                  |
|---|---------|-----------|-----------|----------|------------------|
| q. Cages for livelihood, number                             | 16      | 13        | 15        | 3        |                  |
| r. Mariculture parks maintained, number                     | 30      | 31        | 37        | 37       |                  |
| Research and Development (R&D) Support Services             |         |           |           |          |                  |
| 111. Biofortification and Product                           |         |           |           |          |                  |
| Development   |         |           |           |          |                  |
| a. Technologies   | 1       | 1         | 7         | 13       | DA               |
| transferred/commercialized                                  | I       | ı         | ,         | 13       | DA               |
| b. Technologies developed                                   | 8       | 2         | 13        | 44       |                  |
| c. R&D activities conducted                                 | 6       | 2         | 2         |          |                  |
| Extension Support, Education, and Training Services (ESETS) |         |           |           |          |                  |
| 112. Farmers and Fisherfolk Trained                         | 181,976 | 132,002   | 172,539   | 57,869   | DA (NRP,         |
| 113. Trainings conducted (TOT, SOA, FFS,                    | 4,641   | 3,283     | 3,134     | 2,959    | NCP,             |
| others)   | 7,071   | 3,203     | 3,134     | 2,757    | HVCDP,           |
| 114. Techno demo farm                                       | 1,267   | 1,896     | 2,330     | 2,211    | NLP, NOAP,       |
| established/maintained, number                              | 1,207   | 1,070     | 2,550     | 2,211    | HFIDP,           |
| 115. Learning sites   | 83      | 127       | 186       | 180      | SAAD, BFAR)      |
| established/maintained                                      |         | 127       | 100       | 100      | 37 V (D, D17 (1) |
| Agricultural Machinery, Equipment, Facilities Sub-Program   |         |           | _         |          |                  |
| 116. LGUs provided to construct                             |         |           |           |          |                  |
| agricultural facilities, number of                          | 80      | 80        | 81        | 83       | DA (NRP,         |
| provinces   |         |           |           |          | NCP,             |
| 117. Beneficiaries provided with                            |         |           |           |          | HVCDP,           |
| agricultural machinery, equipment,                          | 9,043   | 9,717     | 8,801     | 8,778    | NLP, NOAP)       |
| and facilities  |         |           |           |          |                  |
| Agricultural Insurance                                      |         |           |           |          |                  |
| 118. No. of farmers and fisherfolk covered                  |         | 1,800,144 | 1,800,144 | 2291,897 | DA-PCIC          |
| by insurance  |         |           |           | 2271,077 | 27(1010          |
| Improving physical access to food,                          |         |           |           |          |                  |

| 119. Kadiwa ni Ani at Kita" events<br>conducted   |                      |                      | 19                   | 40                  | 341                 | 660                 | DA-NHVCDP      |
|---|----------------------|----------------------|----------------------|---------------------|---------------------|---------------------|----------------|
|   |                      |                      |                      |                     |                     |                     |                |
|   |                      |                      |                      |                     |                     |                     |                |
| Milk Feeding Program  |                      |                      |                      |                     |                     |                     |                |
| 120. LGUs with dairy coops linked with gov't agencies and procuring fresh milk for feeding programs |                      |                      | 18                   | 54                  | 40                  | 51                  | DA-NDA and PCC |
| Food Production in School   |                      |                      |                      |                     |                     |                     |                |
| 121. Schools provided with production inputs under Gulayan sa Paaralan Program                      |                      |                      | 4,764                | 3,143               | 3,657               | 3,132               | DA-NHVCDP      |
| Nutrition in Social Protection  |                      |                      |                      |                     |                     |                     |                |
| Improving access to CCT Program   |                      |                      |                      |                     |                     |                     |                |
| <ol> <li>Number of Conditional Cash Transfer<br/>(CCT) beneficiaries covered</li> </ol>             | 4,250,272<br>(96.6%) | 4,250,272<br>(96.6%) | 4,250,272<br>(96.6%) | 4,400,000<br>(100%) | 4,400,000<br>(100%) | 4,400,000<br>(100%) | DSWD           |
| <ol> <li>Compliance on health and nutrition conditionality of CCT beneficiaries</li> </ol>          | 100%                 | 100%                 | 100%                 | 100%                | 100%                | 100%                | DSWD           |
| 124. Compliance on FDS conditionality   | 100%                 | 100%                 | 100%                 | 100%                | 100%                | 100%                | DSWD           |
| 125. Compliant HH for either health or education conditionality provided with rice subsidy          | 100%                 | 100%                 | 100%                 | 100%                | 100%                | 100%                | DSWD           |
| Improving access to Sustainable Livelihood Prog   | ram                  |                      |                      |                     |                     |                     |                |

| 126.      | No. of households in PPAN priority areas provided with SLP modalities for Microenterprise Development  |            |                   | 18,991            | 20,338                     |                            |                            | DSWD  |
|-----------|--|------------|-------------------|-------------------|----------------------------|----------------------------|----------------------------|-------|
| 127.      | No. of households in PPAN priority areas provided with SLP modalities for Employment Facilitation  |            |                   | 54                |                            |                            |                            | DSWD  |
| Nutrition | in Education   |            |                   |                   |                            |                            |                            |       |
| 128.      | Provision of Financial Assistance to<br>Lighthouse Schools to Sustain the<br>Advocacy on ISNM Integrated School<br>Nutrition Model   |            |                   |                   | 223 schools<br>(1 per SDO) | 223 schools<br>(1 per SDO) | 223 schools (1<br>per SDO) | DepEd |
| 129.      | Expansion of Gulayan sa Paaralan (GPP) implementation to all public schools nationwide through provision of program support funds to selected schools with minimal implementation or no established GPP. |            | 20,000<br>schools | 21,000<br>schools | 100 schools                | 200 schools                | 5,000 schools              | DepEd |
| 130.      | Adolescent Reproductive Health (ARH): Weekly Iron Folic Acid Supplementation for Female Adolescent Learners in Public High School  |            |                   | 8,804,976         | 8,385,692                  | 8,804,976                  | 9,245,224                  | DepEd |
| 131.      | Deworming of the enrolled learners   | 85%        | 85%               | 85%               | 100%                       | 100%                       | 100%                       | DepEd |
| 132.      | WASH in Schools (WinS)   |            |                   |                   |                            |                            |                            |       |
|           | Public schools with water for cleaning and daily handwashing available at all times.   | 21,033     | 21,033            | 21,033            | 26,000                     | 30,000                     | 30,000                     | DepEd |
|           | Learners provided with supply of soap<br>for handwashing and toothbrush with<br>toothpaste for brushing of teeth.  | 13,000,000 | 13,000,000        | 13,000,000        | 13,000,000                 | 13,000,000                 | 13,000,000                 |       |

| 133.      | Accredited Centers using the<br>Standards and Guidelines for Center-<br>based Early Childhood Programs for<br>0 to 4 Years Old Filipino Children      | 4,864 | 4,864 | 4,864 | 4,864              | 4,864              | 4,864              | DSWD  |
|-----------|---|-------|-------|-------|--------------------|--------------------|--------------------|-------|
| 134.      | Enrolled learners attending adolescent Reproductive Health (ARH): Comprehensive Sexuality Education   | 100%  | 100%  | 100%  | 100%               | 100%               | 100%               | DepEd |
| 135.      | National Child Development Center<br>(NCDCs) with Infant-Toddler Early<br>Development (ITED) Program  |       |       |       |                    | 50                 | 100                | ECDC  |
| 136.      | National Child Development Center (NCDCs) with Family Support Program   |       |       |       |                    |                    | 100                | ECDC  |
| 137.      | Parentings Effectiveness Sessions conducted   |       |       |       | 1,505,583<br>(80%) | 1,505,583<br>(80%) | 1,505,583<br>(80%) | DSWD  |
| Nutrition | in Trade and Industry   |       |       |       |                    |                    |                    |       |
| Increasin |   |       |       |       |                    |                    |                    |       |
|           | g access to food  |       |       |       |                    |                    |                    |       |
|           | LGUs in the PPAN priority provinces assisted in the establishment of food plants for the production of complementary foods and other food supplements |       |       |       | 4                  | 4                  | 4                  | DTI   |

Mobilization of LGUs for Nutrition Outcomes. Recognizes the key role of LGUs in achieving targeted nutritional outcomes. It aims to ensure sustained advocacy and capacity building of local government units particularly local chief executives and local nutrition teams on integrating nutrition in local development plans and budgets and on effective nutrition program management, nutrition leadership and governance.

#### Results:

At least 70% of PPAN/HDPRC focus provinces, cities and municipalities deliver positive nutritional outcomes (stunting) which is equivalent to 22 out of the 32 focus provinces, 48 out of 69 cities (HUCs and CC), and 499 out of 714 municipalities

| Project/Strategy Output  |               |              | Т           | arget       |       |      | Agency/ies |
|--|---------------|--------------|-------------|-------------|-------|------|------------|
| Project/Strategy Output  | 2017          | 2018         | 2019        | 2020        | 2021  | 2022 | involved   |
| Formulation of Local Nutrition Action Plans for 2020-2022 and Inte   | egration into | o local deve | elopment pl | ans and buc | lgets |      |            |
| 140. Provinces, Cities and Municipalities in the PPAN-<br>HDPRC with approved LNAP   |               | 569          |             | 7           | 7     | 7    | NNC, LGUs  |
| <ol> <li>Provinces, cities and municipalities in PPAN HDPRC areas integrated nutrition in PDPFP, CDP, LDIP</li> </ol>  |               | 569          |             | 7           | 7     | 7    | NNC, LGUs  |
| 142. Provinces, cities and municipalities in PPAN HDPRC areas integrated nutrition in Annual Investment Programs (AIP)                                       |               | 569          |             | 7           | 7     | 7    | NNC, LGUs  |
| <ol> <li>Nutrition Program costing tools for LNAP formulation developed and disseminated</li> </ol>  |               | 1            |             | 1           |       |      | NNC, LGUs  |
| Advocacy interface with Local Chief Executives (LCEs) on Investing   | in Nutritio   | n            |             |             |       |      |            |
| <ol> <li>Nutrition Champions Program established and<br/>implemented</li> </ol>  |               |              |             |             | 1     |      | NNC        |
| 145. Enlisted LCEs as nutrition champions mobilized for advocacy activities  |               |              |             | 10          | 10    |      | NNC        |
| 146. Advocacy tools (Compendium of Actions on Nutrition,<br>Compendium of Local Ordinances on Nutrition,<br>P/C/M/B NPM Brochure) developed and disseminated |               |              | 1           | 1           | 1     |      | NNC        |
| <ol> <li>Strong linkages between regional mobilization groups,<br/>RICs and local BNC, BNS, and MNC/CNC established.</li> </ol>                              |               |              | /           | /           | /     | /    | NNC, CSOs  |

Policy Development for Food and Nutrition. The ultimate goal in the current period of the PPAN 2017-2022 is to secure important policies in the form of legislation and administrative issuances, and budgetary support that will enable the NGAs and the LGUs to implement the PPAN more robustly.

#### Results

90% of the planned policy agenda achieved

| Design the Character of the Character  | Target |      |      |      |      |      | Agency/ies                |
|--|--------|------|------|------|------|------|---------------------------|
| Project/Strategy Output -  |        | 2018 | 2019 | 2020 | 2021 | 2022 | involved                  |
| ecuring Policy Support for Improving Nutrition in the Philippines  |        |      |      |      |      |      |                           |
| 148. Legislative proposals passed  |        |      |      |      |      |      |                           |
| a. Amendment of PD 1569 on the Barangay Nutrition Scholar<br>Program   |        |      |      |      | 1    |      | NNC                       |
| <ul> <li>b. Program Strengthening and Institutionalization of the First<br/>1000 Days Program, including concerns on maternity<br/>protection</li> </ul> |        | 1    |      |      |      |      | DOH, NNC                  |
| a. Maternity protection, i.e. extended maternity leave   |        |      | 1    |      |      |      | DOH, DOLE                 |
| b. Mandatory <i>plantilla</i> positions for nutrition action officers (NNC)  |        |      |      |      |      | 1    | NNC                       |
| c. Taxation on Sugar-Sweetened Beverages   | 1      |      |      |      |      |      | DOH, NNC                  |
| 149. Administrative issuances adopted  |        |      |      |      |      |      |                           |
| a. ASEAN Leaders' Declaration on Ending All Forms of Malnutrition  |        | 1    |      |      |      |      | NNC, ASEAN<br>Secretariat |
| b. Executive Order on PPAN implementation  |        |      |      |      | 1    |      | NNC, OP                   |
| c. DILG issuance on PPAN implementation  |        | 1    |      |      |      |      | NNC, DILG                 |
| d. Inclusion of nutrition programs in national and local budget issuances  |        | 1    | 1    | 1    |      |      | NNC, DBM,<br>NEDA         |
| e. Nutrition program for government workers  |        |      | 1    |      |      |      | NNC                       |
| f. Guidelines on Non-Wood Height-Measuring Tools   |        | 1    |      |      |      |      | NNC                       |
| g. Guidelines on the Integration of Gender Concerns in<br>Nutrition Policies Plans and Programs  |        |      |      |      | 1    |      | NNC                       |
| h. On funding sources for LGU nutrition programs   |        |      | 1    |      |      |      | NNC, DILG,<br>DBM         |
| i. RNC policies  | 16     | 16   | 16   | 16   | 16   | 16   | NNC                       |

| <ul> <li>j. Regulation of the Marketing of Foods of Poor Nutritional<br/>Quality for Children</li> </ul> |    |    |    |    | 1  |    | NNC, DOH |
|--|----|----|----|----|----|----|----------|
| 150. Policies reviewed   |    |    |    |    |    |    |          |
| a. RNC policies (NNC)  | 16 | 16 | 16 | 16 | 16 | 16 | NNC      |
| Public Advocacy for Improved Support to Nutrition in the Philippines                                     |    |    |    |    |    |    |          |
| 151. Policy forum  |    |    |    |    |    | 1  | NNC      |

Strengthened Management Support to PPAN. This program aims to improve the efficiency and effectiveness of improving the efficiency and effectiveness in the planning, implementation, and overall management of the nutrition specific and nutrition sensitive programs.

| Project/Charter on Output  | Target        |             |             |             | Agency/ies |      |                    |
|--|---------------|-------------|-------------|-------------|------------|------|--------------------|
| Project/Strategy Output  |               | 2018        | 2019        | 2020        | 2021       | 2022 | involved           |
| Formulation of Local Nutrition Action Plans for 2020-2022 and Integ  | ration into l | ocal develo | opment plar | ns and budg | jets       |      |                    |
| 152. Resource (human, financial, and organizational) generation and mobilization strategy formulated and implemented   |               |             |             | 1           |            |      | NNC                |
| 153. Structures for coordination (NNC Governing Board, NNC Technical Committee, Program Technical Working Groups, Regional Nutrition Committees, Regional Technical Working Group, Scaling Up Nutrition Movement Networks and others (as may be organized) are functional. | /             | /           | /           | /           | /          | /    | NNC                |
| 154. PPAN 2017-2022 and related plans formulated and updated   |               |             |             |             |            |      | NNC, NGAs,<br>LGUs |
| a. PPAN Results Framework  |               |             |             |             | 16         |      |                    |
| b. Regional Plan of Action for Nutrition (RPAN)  | 17            |             |             |             |            |      |                    |
| c. Provincial, City, Municipal Nutrition Action Plans  |               | 89%         |             |             |            |      |                    |
| 155. Guidelines for PPAN monitoring and evaluation adopted and implemented   | /             | /           | /           | /           | /          | /    | NNC                |
| 156. Philippine Food and Nutrition Surveillance System updated and functional  | /             | /           | /           | /           | /          | /    | NNC                |
| 157. Annual reports on physical and financial accomplishments prepared   | /             | /           | /           | /           | /          | /    | NNC                |
| 158. Program implementation review undertaken at national and regional levels  | 17            | 17          | 17          | 18          | 18         | 18   | NNC                |
| 159. PPAN research agenda formulated and implemented   | /             | /           | /           | /           | /          | /    | NNC                |

# Chapter 9



## ORGANIZATION RESPONSIBILITY FOR THE PPAN

The structure for coordinating nutrition action at the national and local levels (**Figure 14**) will continue to provide the mechanism for integrating and harmonizing actions for nutrition improvement. A continuing effort will be along ensuring the functionality and sustainability of these structures.

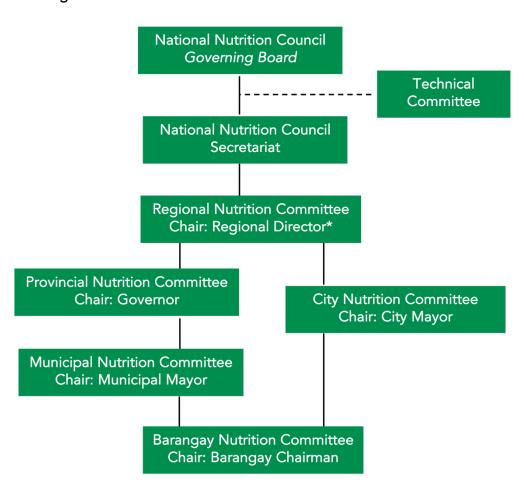


Figure 14. National Nutrition Council Structure for Coordination

<sup>\*</sup> Elected from among the regional directors of regional government agencies

#### 9.1 The NNC Governing Board

The National Nutrition Council Governing Board will continue to provide overall leadership in plan formulation, implementation, monitoring, evaluation, and coordination.

The NNC Governing Board is composed of the following:

- Secretary of Health, Chairperson
- Secretary of Agriculture, Vice-Chairperson
- Secretary of the Interior and Local Government, Vice-Chairperson
- Secretary of Budget and Management
- Secretary of Education
- Secretary of Labor and Employment
- Secretary of Science and Technology
- Secretary of Social Welfare and Development
- Secretary of Trade and Industry
- Secretary of Socio-Economic Planning and Director-General, National Economic and Development Authority
- Three private sector representatives appointed by the President of the Philippines for a two-year term

The NNC Governing Board draws its mandate from various policy instruments as listed below.

#### EO 234, which has the effect of a law:

- 1. Formulate national food and nutrition policies and strategies for nutritional improvement;
- 2. Coordinate the planning and monitor and evaluate the implementation of the integrated national food and nutrition program;
- 3. Coordinate the release of funds for nutrition programs and projects as well as the requests for grants and loans by government and non-government agencies involved in the food and nutrition program; and
- 4. Call on any department, bureau, office, agency, and other instrumentalities of government for assistance in the form of personnel, facilities, and resources as the need arises.

#### NNC has additional functions as follows:

- 1. EO 616, April 2007. Oversee implementation of the Accelerated Hunger-Mitigation Program (AHMP) to ensure that hunger-mitigation measures are in place.
- 2. RA 8976, 2000. Determine need for continued mandatory fortification, which nutrients, which staples or food vehicles

3. RA 8172, 1995. Formulate policies and coordinate the national salt iodization program

#### 9.2 The NNC Secretariat

The NNC Secretariat will continue to serve as the executive arm of the NNC Governing Board. It is headed by an executive director, assisted by two (2) deputy executive directors. It has three technical divisions (nutrition policy and planning; nutrition surveillance; and nutrition information and education) and two support divisions (administrative and finance). Its seventeen (17) regional offices are headed by nutrition program coordinators.

The functions of the NNC Secretariat are:

- 1. Advise the Board on nutrition policy and program matters;
- 2. Coordinate with government agencies and non-government organizations for nutrition program management and resource programming;
- 3. Recommend a comprehensive food and nutrition policy;
- 4. Develop measures to improve the implementation of PPAN;
- 5. Monitor and analyze nutrition and related socio-economic data for a periodic statement on the country's nutrition situation;
- 6. Monitor and evaluate the PPAN;
- 7. Develop and implement a comprehensive advocacy, information, and education strategy for the PPAN; and
- 8. Provide technical, financial, and logistics support to local government units and agencies for the development and implementation of nutrition programs and projects.

For PPAN 2017-2022, the NNC Secretariat will play a key role in facilitating many processes to ensure that the PPAN 2017-2022 in mainstreamed in the agency and LGU consciousness. It will, among others, assign its staff to "watch over" and work closely with specific agencies.

#### 9.3 NNC Technical Committee

The NNC Technical Committee is composed of heads of major department bureaus and agencies involved in nutrition and appropriate non-governmental organizations. It provides technical assistance to the Board and NNC Secretariat and facilitates inter-agency and intra-

agency coordination, supervision and monitoring, and implementation of nutrition policies and programs.

When needed, the NNC Governing Board and Council Secretariat may also create Technical Working Groups (TWGs), task forces, ad hoc bodies, and other interagency bodies as may be needed to address issues and strengthen interagency collaboration. However, existing TWGs, i.e., IYCF TWG, PIMAM TWG, NSIP TWG, MFF TWG, Nutrition Cluster will be tapped for in-depth discussions on program progress and actions, as well as for monitoring. When needed, the focal points of these TWGs will be convened to identify points of interphase.

Regular meetings of the NNC Technical Committee will include updates on PPAN concerns, with two of the meetings taking a close look at PPAN implementation at mid- and end-year. Needed policy and program adjustments will also be discussed in the NNC Technical Committee as may be needed.

#### 9.4 Regional Nutrition Committee

At the regional level, the Regional Nutrition Committee will continue to coordinate nutrition action at the local level.

It will be composed of the same agencies as the NNC Governing Board with additional member agencies as may be needed and appropriate for the region.

Its functions are to formulate, coordinate, monitor, and evaluate the regional nutrition action plan. It also extends technical assistance to local nutrition committees along nutrition program management.

It may create technical working groups and other similar inter-agency groups to attend to address issues and strengthen interagency coordination.

The NNC Regional Office will provide technical and secretariat support to the Regional Nutrition Committee.

As noted earlier, the RNC will formulate the Regional Plan of Action for Nutrition.

#### 9.5 Local Nutrition Committees

Local nutrition committees that replicate the inter-agency composition of the NNC Governing Board will also continue to be the coordinating structure for nutrition action at the local level. Local nutrition committees will be advocated to be either a committee or a subcommittee of the local development council.

The functions of the local nutrition committee are shown in Table 11.

Table 11. Functions of local nutrition committees

| Pr | ovincial Nutrition   | City | /Municipal Nutrition  | Barangay Nutrition |   |  |  |  |
|----|--|------|---|--------------------|---|--|--|--|
|    | Committee  |      | Committee   | Committee          |   |  |  |  |
| 2. | Assesses the provincial nutrition situation Formulates the   | 1.   | Assesses the city/municipal nutrition situation Formulates the  | 1.                 | Assesses the barangay nutrition situation Formulates the  |  |  |  |
|    | provincial nutrition<br>action plan<br>complementary to<br>and integrated with<br>other plans of the<br>LGU and higher-<br>level plans   |      | city/municipal nutrition action plan complementary to and integrated with other plans of the LGU and higher level plans   |                    | barangay nutrition<br>action plan<br>complementary to<br>and integrated with<br>other plans of the<br>LGU and higher-level<br>plans |  |  |  |
| 3. | Coordinates,<br>monitors, and<br>evaluates plan<br>implementation and<br>recommends and<br>adopts appropriate<br>actions   | 3.   | Coordinates,<br>monitors, and<br>evaluates plan<br>implementation and<br>recommends and<br>adopts appropriate<br>actions  | 3.                 | Coordinates,<br>monitors and<br>evaluates plan<br>implementation and<br>recommends and<br>adopts appropriate<br>actions             |  |  |  |
| 4. | Mobilizes resources<br>to ensure the plan is<br>implemented  | 4.   | Mobilizes resources<br>to ensure the plan is<br>implemented   | 4.                 | Organizes groups to implement nutrition intervention activities   |  |  |  |
| 5. | Holds at least<br>quarterly meetings<br>to monitor program<br>performance  | 5.   | Holds at least<br>quarterly meetings to<br>monitor program<br>performance   | 5.                 | Mobilizes resources<br>to ensure the plan is<br>implemented   |  |  |  |
| 6. | Extend technical assistance to municipal nutrition committees on nutrition program management and related concerns, including the conduct of periodic visits and meetings with the C/MNC | 6.   | Extend technical assistance to barangay nutrition committees on nutrition program management and related concerns, including the conduct of periodic visits and meetings with the BNC | 6.                 | Holds at least<br>quarterly meetings<br>to monitor program<br>performance   |  |  |  |
| 7. | Monitors the<br>performance of<br>Municipal/ Barangay<br>Nutrition Action Plan   | 7.   | Monitors the performance of Barangay Nutrition Action Plan  |                    |   |  |  |  |

The local chief executive chairs local nutrition committees, providing leadership in nutrition planning, implementation, monitoring and evaluation. More specific functions include 1) the organization, reorganization, and strengthening of the local nutrition committee (horizontally

and vertically), 2) securing and providing funds for implementing the local nutrition action plan, and 3) presiding over meetings of the local nutrition committee. The local chief executive also appoints the nutrition action officer either as a full-time worker or a designee from among the heads of offices of the local government. The city/municipal mayor also appoints barangay nutrition scholars

The nutrition action officer attends to the day-to-day coordination of local nutrition action. He/she initiates the activities to actualize the functions of the local nutrition committee, e.g., plan formulation, monitoring, evaluation, advocacy for the concerns of the nutrition action plan, provision of technical assistance to the "lower" nutrition committee and conduct of regular meetings. An effort during the plan period will be to encourage local chief executives to hire full-time nutrition action officers with the appropriate staff and office support.

## Chapter 1



### **OVERALL IMPLEMENTATION PLAN**

To ensure that PPAN 2017-2022 is translated into action, annual implementation plans will be formulated. The timing of the preparation of these annual implementation plans should consider the budget cycle of the national and local governments.

The implementation plan will focus on building elements for good implementation in 2017 and partially in 2018 without precluding immediate implementation in 2017 of projects and programs that both require these building elements. This implies that the bulk of implementation of some programs will be seen more in 2018 onwards rather than all programs full blast in 2017.

# Chapter



## MONITORING AND EVALUATION

Monitoring and evaluation of the PPAN 2017-2022 will be done following the framework shown in Table 10. It will involve the generation of reports from national government agencies, NGOs, and LGUs to produce the annual progress reports. Information generated from these reports will likewise be used in determining needed policy or program adjustments. Annual program implementation reviews will also be conducted at both national and local levels. The monitoring and evaluation system will use advances in information and communication technology.

In 2019, a formative midterm evaluation for each program will be undertaken. Results of the formative evaluation will contribute to the midterm review which will be conducted for the entire PPAN in 2019. Major adjustments for the remaining three years will be identified to increase the chances of reaching their outcomes.

In 2021, an overall evaluation will be undertaken as an input to the full review of the PPAN and the formulation of its successor for 2023 to 2028. Independent evaluation will be encouraged for this purpose.

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