



Practical implementation considerations for nutritional interventions and food assistance for people with TB and their household contacts

#### **Arvind Betigeri**

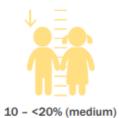
Regional Food Fortification Advisor- Asia & the Pacific



#### **Nutrition Challenge in Asia &the Pacific**

# % Child Stunting

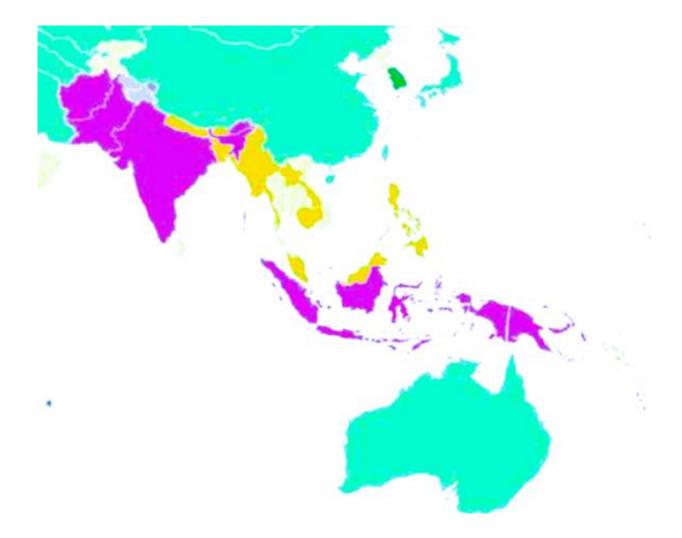






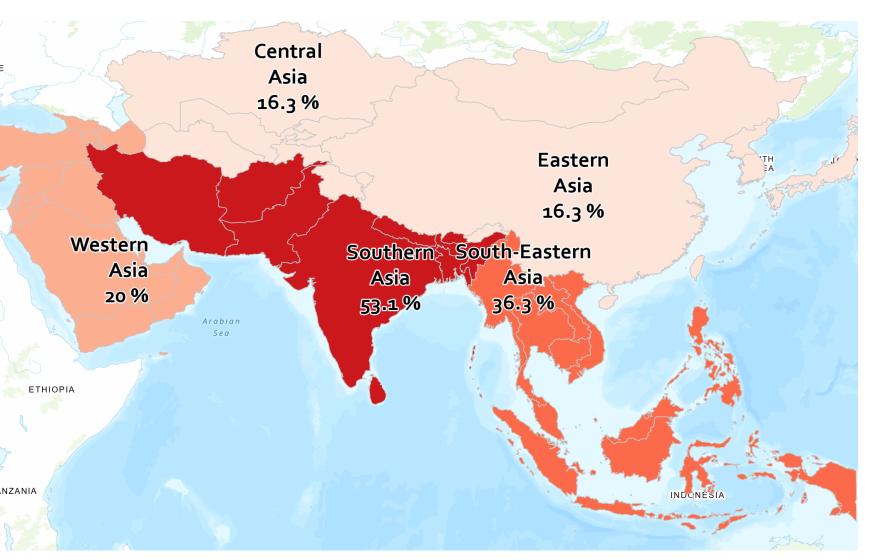








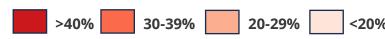
## **Access to Healthy, Nutritious Diets as a Key Driver**



The region has the highest number of people worldwide unable to afford a healthy diet – **1.6 billion** 

77% young children in South Asianot meeting minimum diet diversity38% consuming 2 or fewer food groups daily

% population that cannot afford a healthy diet - 2024 SOFI





## **Impact on Economic and Human Capital**

Malnutrition costs the global economy **USD 3.5 trillion** per year.

In Asia, impact of undernutrition is estimated to range from **4% to 11% of GDP** 

Median 17.9: 1 return on investment per child from nutrition interventions\*

Growth in government investment over past decade – including as a result of global processes such as N4G

Consensus on evidence-based investment priorities: **Direct Nutrition Services**; **Fortification**; **Social Protection**; **Agriculture**; **Policy** Levers.

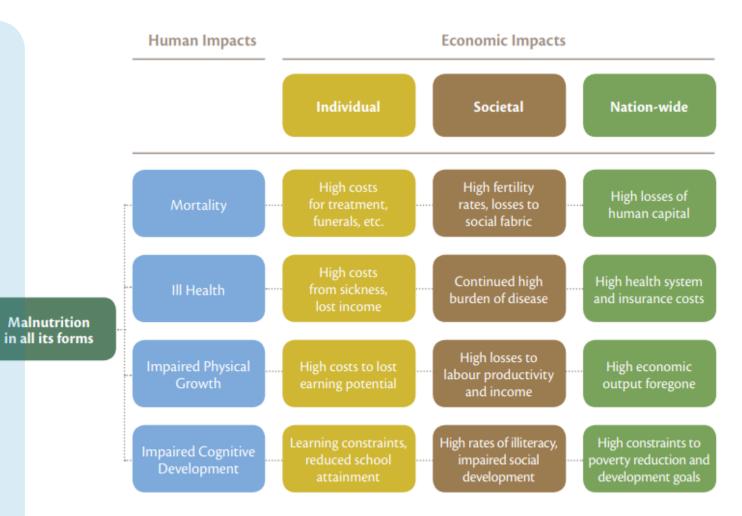


Figure 3. Global Panel Technical Brief 2016



Investing in addressing malnutrition and improving diets yields strong returns. Integrating nutrition in sectoral programmes accelerates impact and maximises value for money

<sup>\*</sup>underpins WB Investment Framework

#### **WHY TB and Nutrition**

#### **The Urgency of Addressing Nutrition in TB Programs**

- ☐ Undernutrition is one of the most significant social determinants for TB in the SEAR
- lue More than 357 million people in Asia couldn't afford a healthy diet in 2021.
- ☐ The Southeast Asia Region is faced with 4.8 million people newly developing tuberculosis annually and has the highest burden of TB incidence and mortality among the six WHO Regions.
- ☐ Nearly 48 %8% of people with TB globally are undernourished.
- ☐ Undernutrition is the leading risk factor for TB globally, accounting for ~19% of new TB cases.
- ☐ In the WHO South-East Asia Region, over 500,000 new TB cases in 2022 were directly attributable to undernutrition.
- ☐ Undernutrition increases the risk of TB mortality, delayed recovery, and recurrence after treatment.





#### **Importance of Nutrition Support in TB Programs**

- RATIONS Trial (Lancet, 2023): 40% reduction in TB incidence among household contacts with nutrition support.
- WHO Guidelines (2023): Nutrition interventions are now a core component of TB strategy.
- $\blacksquare$  Modeling: Nutrition support can reduce TB mortality by up to 26% in SEAR countries.



#### **Operation Models in Use**

- ☐ India: Fortified rice in TB nutrition packages under national programs. (Ni-Kshay Poshan Yojana)
- ☐ Indonesia: Conditional cash transfers linked to tuberculosis treatment and nutrition.
- ☐ Proposed WHO-WFP partnership: "Integrated Approaches to Enhancing TB Management Outcomes and Reducing the TB Burden" Addressing the bidirectional relationship between TB and nutrition in the South-East Asia Region





# Integrated Approaches to Enhancing TB Mangement Outcomes and Reducing the TB Burden» Addressing the bidirectional relationship between TB and Nutrition in South East Asia

- ☐ Aim: Address TB outcomes and household vulnerabilities together.
- ☐ Combining fortified foods, social protection, and health system support.
- ☐ Demonstrate the practical integration of nutrition into TB care.
- ☐ Combines clinical TB management with food assistance and fortified staples.



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#### **GEOGRAPHICAL FOCUS**

Priority Countries for TB and Nutrition Project







Nepal





# Potential: WFP Direct Food Assistance (12

Afghanistan

Nepal

- Bangladesh
- Pakistan

Cambodia

Philippines

Kyrgyzstan

Myanmar

Tajikistan

- Laos
- Timor-Leste

Sri Lanka





### **Practical Considerations for Implementation: What makes it work**

- ☐ Embed nutrition screening, counselling, and support into TB services.
- ☐ Leverage social safety nets for food or cash-based assistance.
- ☐ Coordinate local food fortification initiatives with health delivery systems.
- ☐ Multisector collaboration (health, food, social protection, digital systems).
- ☐ Behavior Change Communication strategies promoting fortified food use.
- Donor coordination and strong national policies.



#### **Key Recommendations**

- ☐ Nutrition is central—not peripheral—to TB care.
- ☐ Mainstream food and nutrition into TB policies and budgets.
- ☐ Strengthen local supply chains for fortified staples.
- ☐ Invest in operational evidence and impact documentation.
- ☐ Include household contacts in nutrition and TB prevention strategies.



# Thank You

