

ROLE OF DAIRY NUTRITION in NATIONAL NUTRITION MISSION

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Malnutrition Affects All Regions Worldwide





> 600 Million of these are Obese



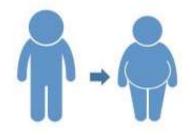
264 Million Women of reproductive age - Anaemic



462 Million Adults - Underweight

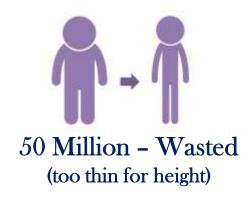


Across Globe Children < 5 years



42 Million - Obese/ Overweight

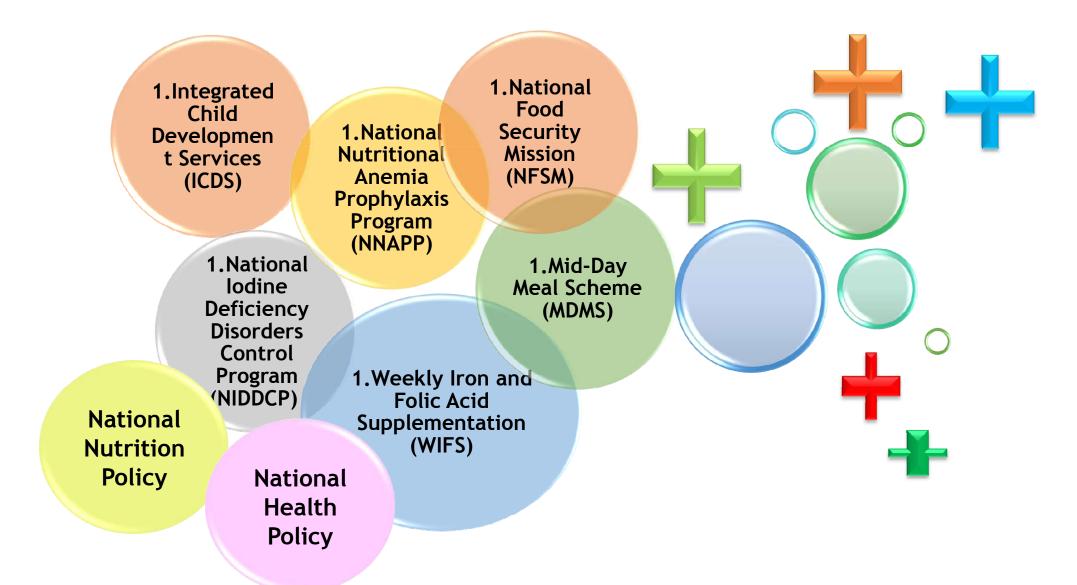




Source: Global Burden of Malnutrition; WHO, Report; 2017

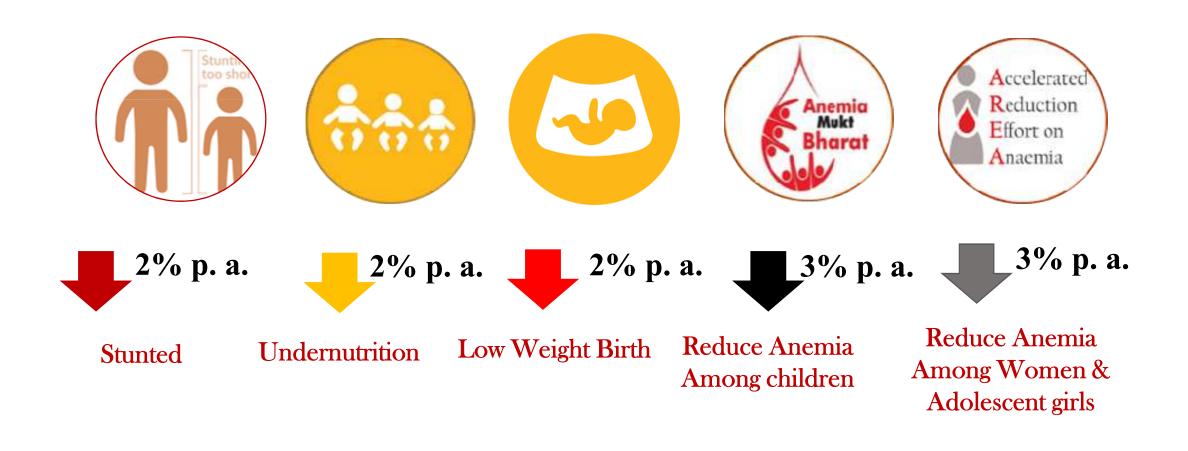
Nutrition Intervention Programs in India



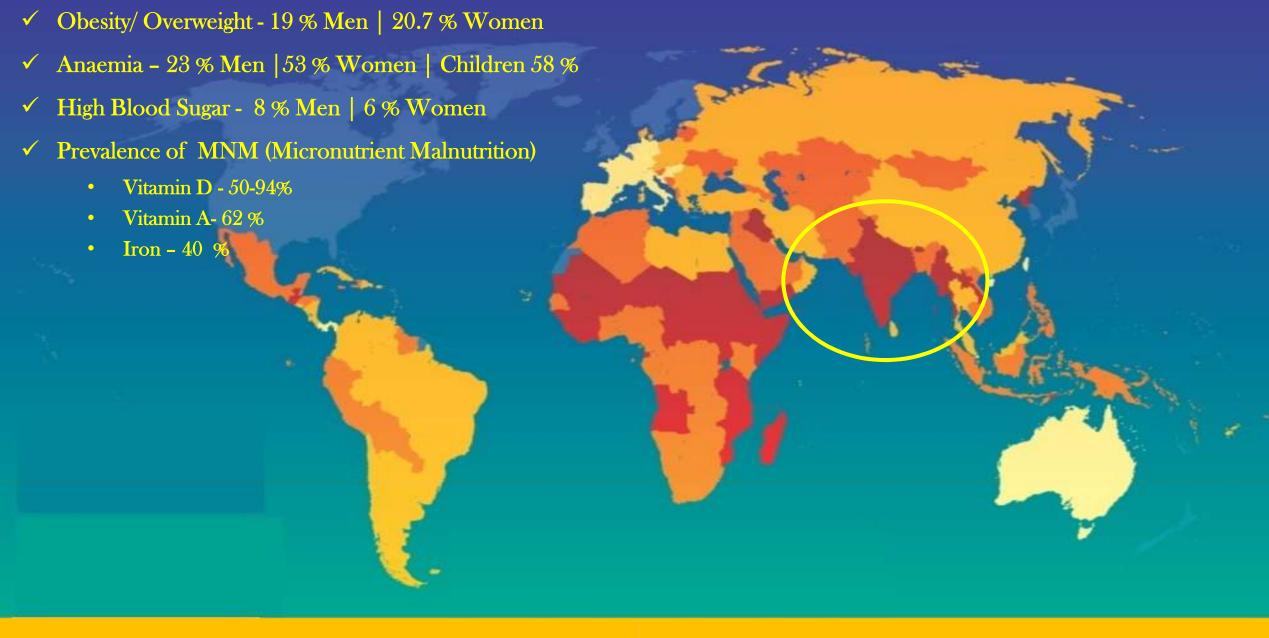


National Nutrition Mission





Targets by 2022

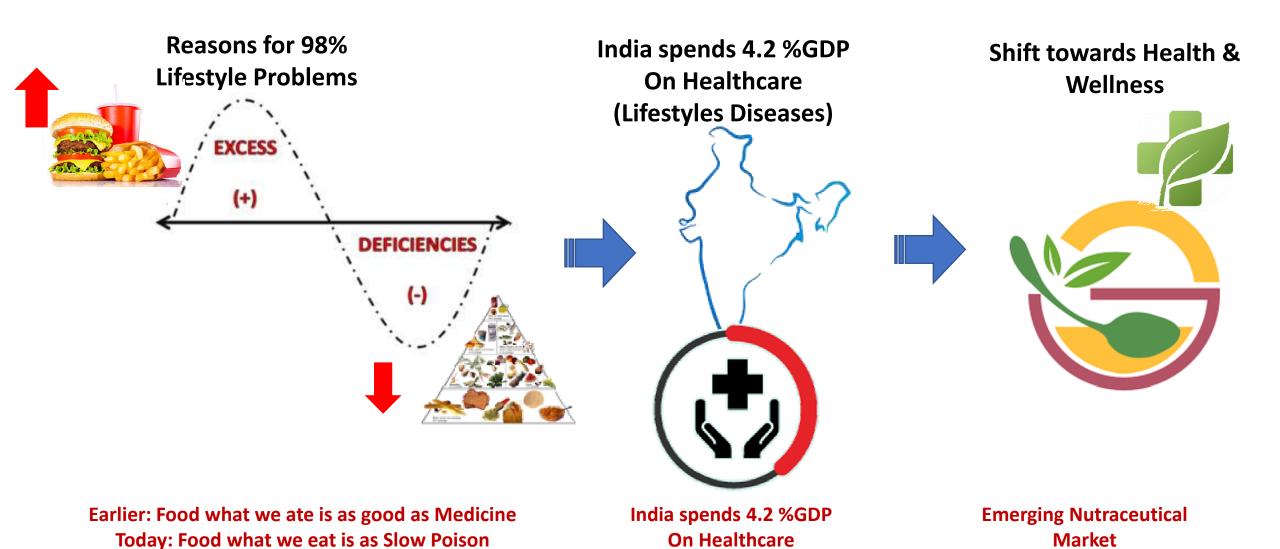


Global Hidden Hunger Map

(Source: Sight and Life)

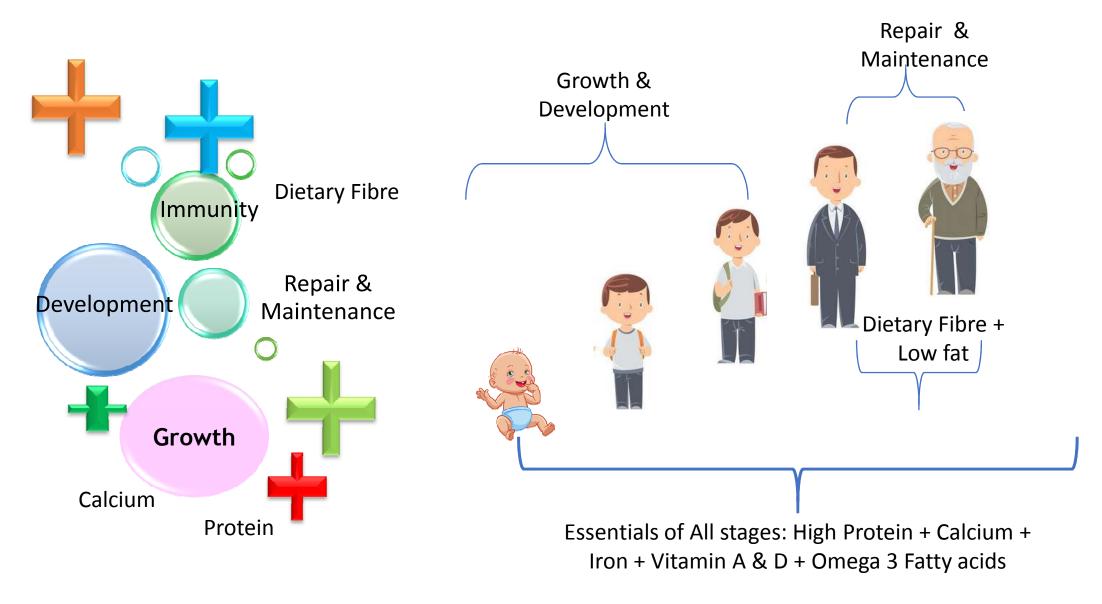
Changing Scenario of Indian Dietary Pattern





Dietary Requirements at Different Life Stages





Great Opportunity in Dairy to Cater at all Ages

Dairy Innovation Offerings..







Infant Foods



Protein Enriched Dairy



Enriched with micronutrients (Omega 3), Iron etc



Mid Cal
Products



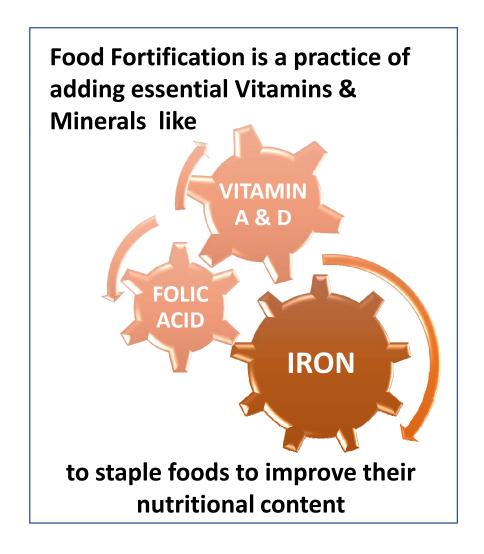
Complementary Solutions to Control MNM

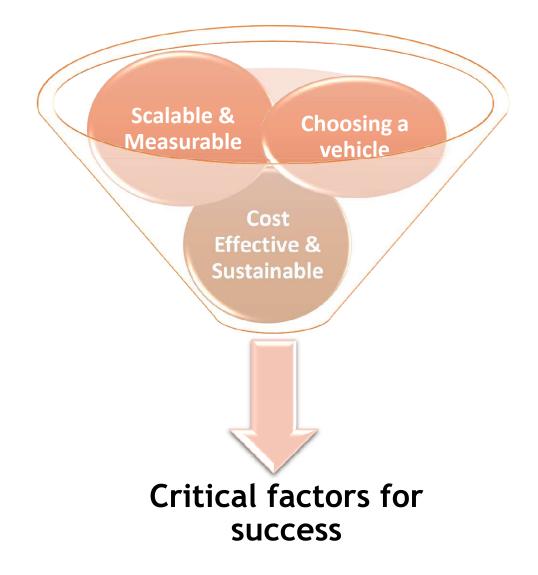


FOOD FORTIFICATION

Food Fortification







..... proven long term strategy

Global Evidences of Food Fortification



lodine

- Switzerland 1923
- USA 1930
- India 1964

Vitamin

- Denmark 1918, India 1953
- Indonesia 1996, New Zealand 2007
- Mexico 2002

Vitamin

- USA, UK 1923, Malaysia 1985, Thailand 1993, Mexico 2002
- India 1953, Chile 1997, Mexico 1974
- Central America 1974, Philippines 2000

Iron, B1, B2, Niacin.

- Canada 1933, USA 1941
- Chile 1954 | Australia 2009
- Costa Rica 1991, Philippines 2001

Folic Acid

Zinc

- Indonesia, 1998
- Costa Rica, 1991

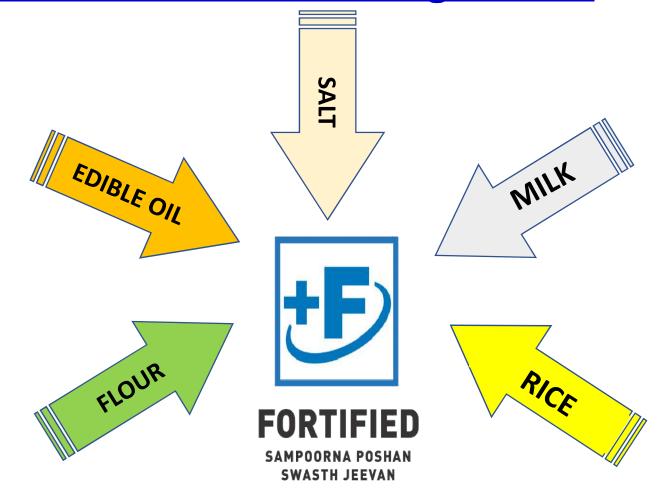




Fortification is not new - it's a century old technology

FSSAI Food Fortification Regulation





Quality Assurance is very critical states -

- every manufacturer of fortified food shall give undertaking on QA twice a year
- Certification by FSSAI notified Food Lab ,up to date record etc

Fortification Journey At Mother Dairy

1984

2006

Nov' 2016

Jan' 2017

Jan' 2017



Bulk Vended Milk

Vitamin A - 1200 IU Vitamin D - 250 IU

Per LTR

Dec' 2018

Bulk Vended Milk Vitamin A - @2000 IU/LTR



DHARA - Oil Vitamin A- 25 IU Vitamin D- 2.0 IU Per gm



Bulk Vended Milk Vitamin A - 770 IU Vitamin D - 550 IU Per LTR



Poly Pouch Milk Vit A - 770 IU VitD - 550 IU PER LTR

DHARA - Oil Vitamin A- 25 IU Vitamin D- 4.5 IU Per gm

As per New Regulation

Total Production: Fortified Milk - 30 Lakh Ltrs per day Fortified Oil - 1500 MT/ month

Collaboration at ALL Levels....



- ☐ Dairy Industry needs to be committed & vocal Food Fortification
- Responsibility lies with Top brands to set the example
- Create new market and Stimulate innovation
- ☐ Build positive brands: Health & Nutrition
- □ Awareness campaign on fortification
- Partnership with Govt. , FSSAI
- ☐ Contribute to national development





THANK YOU