Learning from World Bank History: Agriculture and Food-Based Approaches for Addressing Malnutrition

Joint project by
Agriculture & Environmental Service Dept. (AES)
World Bank Group Archives
and the
SecureNutrition Knowledge Platform

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Scope of Project

• Co-author & team leader: Yurie Tanimichi Hoberg

• Output
  – Research paper
  – Interactive timeline on SecureNutrition website

• Resources
  – Historical documents from the WBG Archives including reports, meeting minutes, speeches, and oral history transcripts of retired staff
  – Technical adviser: Alan Berg
  – Personal interviews with over 20 experts

• Period covered
  – 1960s to today (more detail on 1973 and onwards)

Guiding questions of the research paper:
• How has the Bank (and the development community in general) addressed nutrition through agriculture in the past?
• What are the lessons for today?
This is not the first time interest has arisen
Agriculture and nutrition did not feature highly in the World Bank initially...
...but were central to McNamara’s vision for a World Bank focused on poverty reduction

- 1973 Nairobi speech called Bank to shift mission to poverty reduction
  - identified rural development, or increasing the productivity of small-scale farmers, as the main vehicle
  - Population control, employment, nutrition also considered

- Two years earlier:
  - “Reducing the ravages of serious malnutrition will itself accelerate economic development and thus contribute to the amelioration of poverty. And that there are a number of practical steps that can be taken...”
Priorities for nutrition have shifted over time

40s-60s: Vitamins

50s-60s: Protein

60s-80s: Dietary energy (calories)

90s-00s: Micronutrients

2010-: Diverse diet

**Example of responses**

**Nutrition:** developing vitamin supplements and fortified food

**Ag:** producing more food and greater income
## Priorities for nutrition have shifted over time

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60s-70s: Aligned focus on dietary energy during the food shortage era

- Green Revolution; formation of CGIAR
- Concept of food security first defined in 1974 World Food Summit
  - “availability at all times of adequate world food supplies”
- Prevalence of malnutrition was estimated from food supply data

“Although deficiency of vitamins and minerals may cause serious health problems, especially among children, the therapy is now well known and relatively easy to apply so that the magnitude of this problem is almost negligible in relation to the one created by lack of calories and proteins.”

Chafkin et al., 1972 *Possible World Bank Actions on Malnutrition Problems*
Multisectoral in vogue

Multisectoral Nutrition Planning
In the 1970s, the emphasis of the nutrition community shifted to multisectoral nutrition planning, in part because the world food crisis.

Integrated Rural Development Projects
For this time period, integrated rural development projects comprised 40 percent of all rural development projects, and 55 percent of them were in Africa. These projects tended to have an ambitiously broad set of activities rolled into a single project in a rural area, and...
Mid 80s: Paths diverge

• Agriculture:
  – Failed integrated rural development operations (half of all indicate failure, 2/3 failure in Africa)
  – Declining interest in ag. investment due to unconducive policy environment, poor portfolio performance, low global food prices, new emerging topics (environment, girls education etc)

• Nutrition:
  – Multisectoral planning units dissolved an average of 6 years after they had started
  – New data on child anthropometry
  – Evidence on breastfeeding, deworming, community-based nutrition, growth monitoring
  – “Hidden hunger” & focus on supplementation, fortification
“If they don’t want to cooperate with us, we’ll do it ourselves”
2000: The nadir of investment

World Bank Agriculture Lending Volume (in Nominal Million US$) and Share of Agriculture in Total World Bank Lending (IDA and IBRD).
2008: Food price crisis

The Lancet

Maternal and Child Undernutrition

Published: January 16, 2008

Executive Summary

"Nutrition is a desperately neglected aspect of maternal, newborn, and child health. The reasons for this neglect are understandable but not justifiable."

More than a third of child deaths and 11% of the total disease burden worldwide are due to maternal and child undernutrition. These and other stark findings are the conclusions of an international collaboration of investigators published as part of The Lancet’s Maternal and Child Undernutrition Series.

Maternal and child undernutrition: an urgent opportunity

Richard Horton

Summary | Full-Text HTML | PDF
2010 SUN: Twin track approach

**Nutrition-sensitive strategies increase the impact of specific actions for nutrition**

### Specific Actions for Nutrition

**Feeding Practices & Behaviors:**
Encouraging exclusive breastfeeding up to 6 months of age and continued breastfeeding together with appropriate and nutritious food up to 2 years of age and beyond

**Fortification of foods:**
Enabling access to nutrients through incorporating them into foods

**Micronutrient supplementation:**
Direct provision of extra nutrients

**Treatment of acute malnutrition:**
Enabling persons with moderate and severe malnutrition to access effective treatment

### Nutrition-Sensitive Strategies

**Agriculture:**
Making nutritious food more accessible to everyone, and supporting small farms as a source of income for women and families

**Clean Water & Sanitation:**
Improving access to reduce infection and disease

**Education & Employment:**
Making sure children have the nutrition needed to learn and earn a decent income as adults

**Health Care:**
Access to services that enable women & children to be healthy

**Support for Resilience:**
Establishing a stronger, healthier population and sustained prosperity to better endure emergencies and conflicts
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Addressing nutrition through agriculture: What has been tried

At the World Bank:

– Many **analytical pieces and guidelines**

– **High-level support** from Bank management
  • ‘93 Overcoming Global Hunger Conference – “food security is about access and nutrition as much as about production” (WB VP Serageldin)

– Including nutrition in **agriculture strategies and 40+ rural development projects** (without proper M&E)

– Provision of **nutrition technical assistance** to Bank project teams (Nutrition Advisory Service in the 90s)
Why didn’t nutrition get taken up by agriculture?

- Persistent storyline in ag. has been that aggregate increase in food supply and improved income are the ways in which it can/should contribute to nutrition.

- Nutrition (and ag) community has not effectively changed this storyline with a clear vision & targets for success and accountability.
  - “The Bank pulled away from food security in the ‘90s because there were so few answers about what should be done.”

  - Compared to global & institutional targets: “We [nutritionists] are selling a product agriculture doesn’t need.”
Today: Renewed interest for nutrition through agriculture

1970s: Food shortage paradigm
- Lack of calories *was* the major problem

Now: **Nutritious** food shortage paradigm
- Triple burden of malnutrition in all regions
- Diabetes and child overweight rising fastest in Africa
- Theoretically possible for everyone to eat *enough*, but impossible for everyone to eat *nutritious diets*
Recommendations with key actions

1) Establish a **common vision** globally for agriculture’s role in improving nutrition, with measurable outcomes and targets

- Ensure post-2015 framework moves beyond hunger
- Further develop metrics of access to and consumption of adequate nutritious food
- Evidence base: Similar to where we were in 80s with basic nutrition, need new “nutrition-sensitive” data and indicators now
  - Where (and for whom) are food access and diets inadequate?
  - What are the consequences of poor diets on health, productivity, and environment?
  - What policies underpin access to nutritious food and dietary quality of populations?
Recommendations with key actions

2) Align agriculture investments to **level the playing field** for nutritious food

- Increase R&D on fruits, vegetables, legumes, sustainable animal-source foods, including through public investment and PPPs
- Invest in within-country capacity for R&D and seed systems for nutritious crops and livestock of local importance
- Reduce risks associated with horticulture and small-scale livestock production
3) **Create demand** for nutritious and sustainable food

- Social marketing strategies based on nutrient/health attributes of foods
- Increase consumers’ nutrition knowledge, esp. where it is a limiting factor
- Support other actions outside the agriculture sector that affect food consumption
Recommendations with key actions

4) Build and sustain **capacity** for addressing nutrition through agriculture and to monitor its progress

- Develop basic agriculture-nutrition training for staff, consultants, students
  - *Led by* agricultural technical agencies
- Fund university research and training on food systems
- Provide ongoing support to governments for capacity in monitoring systems