Driving progress on the SDGs through better nutrition
The vision of the Sustainable Development Goals (SDGs) is an integrated, indivisible system for development. In order to maximise the opportunity offered by this vision, it is critical that we transform our ways of working to ensure greater cooperation across the goals.

Improved nutrition is both a result and an enabler of achieving this vision. But we have not yet fully seized the opportunity of concerted actions to achieve change. Ending malnutrition in all its forms will catalyse improved outcomes and have powerful multiplier effects across the SDGs. It will reduce both the incidence and severity of disease and decrease the burden on the health system. Likewise, progress across the SDGs is essential to address the causes and consequences of malnutrition.

In the Global Nutrition Report in 2017, we showed that the SDGs encompass five broad areas that are critical to achieving positive nutrition outcomes:

- **Sustainable food production** is key to ensuring that our land and waters are resilient and can support the diversity, quality and availability of food needed to provide nutritious and healthy diets for all.
- **Strong infrastructure systems** are needed to deliver clean water, sanitation, energy and food essential for nutrition to urban, peri-urban and rural settings.
- **Health systems** are vital to provide preventative interventions and treatments for improved nutrition at scale; ensuring optimal nutrition early in life means better brain development for future generations that is essential to ensure economies can innovate and flourish.
- **Equity and inclusion** are essential to ensure efforts to address poverty, gender inequality, education and protections in the workplace deliver universal outcomes for nutrition; when vulnerable populations are better nourished, they become empowered to improve their status, reducing economic, gender and social inequities.
- **Peace and stability** are necessary preconditions to ending hunger and preventing conflict-related food insecurity; in an increasingly unstable world, addressing food and nutrition insecurity and famine can greatly alleviate the effects of conflict and support post-conflict recovery.

The environment–health–nutrition nexus

Integrating high-impact nutrition interventions into health services is vital to speed up progress. Such interventions include promoting infant and young child feeding, supplementation, prevention and treatment of malnutrition in all its forms, nutrition counselling and screening for diet-related non-communicable diseases (NCDs) in patients. Yet we are not using the opportunity that the health system offers for delivering nutrition interventions where they are critically needed – for example, only 5% of children aged 0–59 months who need zinc receive it. The World Health Organization guidelines for NCDs include several nutritional interventions, but a significant number of countries have not implemented them. A focus on essential nutrition actions with substantive evidence within health systems will contribute to improvements in maternal, adolescent and child health and nutrition, whilst providing opportunities to achieve universal health coverage.

**Sustainable food production is essential for a healthy planet and healthy people.** The food chain is responsible for up to one-third of global greenhouse gas emissions, while agriculture is the second-largest cause of outdoor air pollution. The challenges of climate change and increased energy costs faced by agricultural systems today result in a depletion in the nutritive value of foods tomorrow. As global temperatures increase, higher levels of CO₂ will reduce the micronutrient content of major crops, such as wheat, consumed by much of the world. Unsustainable fishing threatens 17% of the world’s protein and an essential source of micronutrients. The inclusion of comprehensive food system responses in climate change policies vastly increases the potential to adapt and mitigate the worst effects of climate change. For example, more resource-efficient agricultural practices can help farmers adapt to change, sustain their livelihoods and reduce greenhouse gas emissions from farm activities.
How nutrition links to the SDGs

SUSTAINABLE FOOD PRODUCTION

Agricultural yields will decrease as temperatures rise by more than 3°C. More CO2 will mean less protein, iron, zinc and other micronutrients in major crops consumed by much of the world.1

More sustainable diets could make a significant difference to climate change, biodiversity and our water. Food production uses 70% of the world’s freshwater supply, agriculture produces 13% of all greenhouse gas emissions2 and livestock uses 77% of agricultural land.3

SYSTEMS INFRASTRUCTURE

Infrastructure, such as roads, sanitation and electricity, is needed to deliver food, water and energy more equitably. This includes in cities: the world’s urban population will reach 66% by 20504 yet deprived areas are underserved, while infrastructure has made it easier to deliver foods that increase the risk of obesity5-6.

Improved nutrition supports ‘grey matter development’.7 Healthy people with the knowledge, ability and energy to drive economic development and build the future.6-8 Good nutrition gives people more labour and mental capacity, offering a 516 return for every $1 invested.9

HEALTH SYSTEMS

A well-functioning health system is vital to deliver preventative interventions at scale, to prevent and treat undernutrition, particularly in young children and mothers, and to tackle diet-related NCDs and obesity.10

Undernutrition leads to 45% of all under-5 deaths. Improved nutrition reduces sickness and lowers death rates, and so reduces the burden on health systems.11

Well-nourished children are 33% more likely to escape poverty.12 Well-nourished children achieve more years of adult height correlates to an almost 5% increase in wage rates.13 Improved nutrition means better outcomes in education, employment and female empowerment, as well as reduced poverty and inequality.14

EQUITY AND INCLUSION

Education is associated with improved nutritional outcomes. Mothers who have quality secondary school education are likely to have more significantly better nourished children.15 Nutrition is linked to GDP growth: a 10% rise in income translates into a 7.4% fall in wasting.16

Well-nourished children are 33% more likely to escape poverty.12 Well-nourished children achieve more years of adult height correlates to an almost 5% increase in wage rates.13 Improved nutrition means better outcomes in education, employment and female empowerment, as well as reduced poverty and inequality.14

PEACE AND STABILITY

The proportion of undernourished people living in countries in conflict and protracted crisis is almost three times higher than that in other developing countries.17 Malnutrition will not end without peace and stability.

Investing in food security and the fair distribution of natural resources is critical for both nutrition resilience and reduced fragility.18

MAKING CONNECTIONS

Improving coherence in nutrition, from commitments to policy and implementation, will help build an enabling environment for all SDGs.19

4 World Resources Institute. 2015. World Resource Report 2014/15: The N URG E N t e d C h a l l e n g e: e n s u r i n g E n o u g h F o o d f o r a L l. Published by World Resources Institute.
Across all the areas of the SDGs there are opportunities for ‘double-duty actions’, which tackle more than one form of malnutrition at once and can simultaneously address undernutrition, obesity and diet-related NCDs. Double-duty actions increase the effectiveness and efficiency of investments in time, energy and resources to improve nutrition. For example, vertical programmes delivered through health systems often focus exclusively on undernutrition, yet opportunities exist to integrate obesity and diet-related NCD prevention into universal health care packages, such as nutritional counselling, treatment and monitoring.

Likewise, ‘triple-duty actions’ that tackle malnutrition and a host of other development challenges in parallel could yield multiple benefits across the SDGs. For example, diversification of food production landscapes can provide the basis for a nutritious and sustainable food supply essential to address malnutrition in all its forms. This same action can help reduce the incidence of diet-related diseases and empower women to become innovative food value chain entrepreneurs, while minimising their work and time burden. Scaling up access to efficient cooking stoves can improve households’ nutritional and respiratory health, save time, preserve forests and associated ecosystems, and reduce greenhouse gas emissions. Urban food policies and strategies can be designed to reduce greenhouse gas emissions, food waste, food insecurity and poor nutrition.

Co-benefits of integrating nutrition across the SDGs

Opportunities for achieving the SDGs through greater interaction and cooperation across the sectors are vast. Better integration of nutrition-specific and nutrition-sensitive actions across the SDGs will speed up progress and increase our chances of achieving the SDGs. At the same time, sectoral priorities should not undermine the holistic and integrated vision of the 2030 Agenda and lead to business as usual. This requires us to map the connections across the SDGs, acknowledge where policies conflict, and transform our ways of working.

If you work in health systems, better nutrition means a lower burden on your health services. The health system needs to do a better job of providing a platform to deliver actions to reduce undernutrition. It can also provide services that help prevent and manage diet-related NCDs such as cardiovascular disease and diabetes.

If you work on climate change or protecting biodiversity, you will benefit if people eat diverse, nutritious diets. Such diets have lower environmental impact, decreasing the strain on natural resources and ecosystems essential for food production.

If you work in agriculture, better diets can increase markets for safe and nutritious foods while reducing the pressure on you to produce food using unsustainable methods.

If you work in education, better nutrition brings enormous improvements in the cognitive abilities and physical performances of children, contributing to their ability to do well in school. Improved school meal programmes can reduce undernutrition, ensure children are not unduly exposed to foods that increase the risk of obesity and provide income to famers, while encouraging children to stay in school and continue to learn. Schools can also educate children on the importance of healthy diets to help them make healthier lifestyle choices.

If you work with governments, businesses and civil society, you should consider what the connections across the SDGs mean for the investments and commitments that you make and the actions that you take. Then, you can act by identifying one triple-duty action and make delivering it a priority.

Whoever you are, and whatever you work on, you can make a difference to achieving the SDGs and you can help to end malnutrition.
The Global Nutrition Report is the world’s foremost publication on the status of malnutrition around the world. It acts as a stock-take on the world’s nutrition – globally, regionally and country by country – and on efforts to improve it. It tracks progress on global nutrition targets, ranging from diet-related non-communicable diseases to maternal, infant and young child nutrition.

It is researched, analysed and written by the Chairs of an Independent Expert Group (IEG) of world-leading academics, researchers and government representatives. The IEG is consulted on, inputs into and reviews the report. A wider Stakeholder Group – drawn from government, donor, civil society, multilateral and private sector organisations – provides strategic leadership of the report.

This summary was prepared by the authors of the 2018 Global Nutrition Report.

This is a peer-reviewed publication. Any opinions stated herein are those of the authors and are not necessarily representative of or endorsed by Development Initiatives Poverty Research Ltd or any of the partner organisations involved in the 2018 Global Nutrition Report.

Copyright © 2019: Development Initiatives Poverty Research Ltd

Designed by Soapbox