



USAID ADVANCING NUTRITION KENYA

Kisumu County Multi-Sectoral Nutrition (MSN) Investment Case



Undernutrition increases the risk of illness and death in children

- Undernutrition is the single most important **contributor to child mortality**.
- Malnutrition is associated with an estimated **50% of childhood deaths**.
- Recent studies demonstrate that underweight children have **2.74% higher risk of dying**.



Stunting caused by undernutrition can lead to low progression in life

- Children stunted before the age of 5 are more likely to **underperform in school**.
- Stunted children have a **higher risk of repeating grades**.
- Stunting in children has a **negative impact on their productivity** later in life.

Effects of Child Undernutrition on Productivity, Health, and Education



out of **177,563** children under 5 in Kisumu



9.1% are stunted



3% are wasted



3.5% are underweight



The **economic impact associated with underweight and stunted children** is significant with far reaching effects on:



Productivity

The current workforce has been impacted by increasing child mortality rates and reduced adult productivity.



Health

Increased child illness and death from undernutrition can strain already limited health resources.



Education

Most stunted people of working age in Kisumu have not completed primary school.

151 million KSh
(1.07 million USD);
0.07% of GCP
estimated amount lost in Kisumu county in 2022 due to undernutrition

Cost-Effectiveness of MSN Interventions and Investments

Total Cost for 5 years



2.95 billion KSh (28.31 million USD) cost of county interventions (2023-2027)

49,350 DALYs averted

Projected Health Cases Averted



2,421 cases of stunting



929 child deaths



11,275 cases of adolescent anemia



14,188 cases of anemia in pregnancy

76,219 KSh (573.3 USD) cost per DALY averted

6:1 benefit-cost ratio