Food Prices for Nutrition
Almost 3.1 billion people could not afford a healthy diet in 2020

112 million more than in 2019

~ 2 in 5 people on the planet
Global population unable to afford a healthy diet by income group, 2020

- High income countries: 15 million (0.5%)
- Upper middle income countries: 374 million (12%)
- Low income countries: 454 million (15%)
- Lower middle income countries: 2,231 million (73%)

Sources: The State of Food Security and Nutrition in the World 2022 and the Food Prices for Nutrition DataHub
Global population unable to afford a least-cost healthy diet, 2017 to 2020

Sources: The State of Food Security and Nutrition in the World 2022 and the Food Prices for Nutrition DataHub
Share of population unable to afford a healthy diet within each income group, 2017 to 2020

Sources: The State of Food Security and Nutrition in the World 2022 and the Food Prices for Nutrition DataHub
Cost of a healthy diet by income group, 2017 to 2020

Current PPP$

Sources: The State of Food Security and Nutrition in the World 2022 and the Food Prices for Nutrition DataHub
Food price measurement to match this aspiration

Food security is...
when all people, at all times, have physical and economic access to sufficient, safe, nutritious food to meet dietary needs and food preferences for an active and healthy life.

- World Food Summit, 1996
Objective

To provide indicators on the cost and affordability of healthy diets to inform action to address food insecurity around the world.

The indicators provide a tool to

• guide food systems and agriculture interventions

• monitor progress towards a global food system that brings healthy diets within reach of all people at all times
Energy sufficient diet: meets caloric adequacy for daily subsistence
Food prices create a ladder of diet affordability

**Nutrient adequate diet:** avoids nutrient deficiency or excess

**Energy sufficient diet:** meets caloric adequacy for daily subsistence
Food prices create a ladder of diet affordability

**Healthy diet:** meets food group recommendations

**Nutrient adequate diet:** avoids nutrient deficiency or excess

**Energy sufficient diet:** meets caloric adequacy for daily subsistence
What is a healthy diet?

✓ Meets requirements for food-based dietary guidelines
✓ Provides foods in sufficient quantities for an active and healthy life
✓ Meets energy and nutrient needs for a representative adult
✓ Protects against diet-related diseases
✓ Is dignified and culturally appropriate
How do we build a Healthy Diet Basket?

A global standard set of criteria that represents commonalities across most national food based dietary guidelines, created for the purpose of calculating and comparing the cost and affordability of healthy diets across countries.
What is a least-cost healthy diet?
Food items and cost share across countries

**Senegal**
- Sardines, small fish
- Palm oil
- Groundnuts
- Maize, rice
- Dates, mangoes
- Onions, carrots, eggplant

**Pakistan**
- Vegetable oil
- Chicken, buffalo milk
- Dhal
- Maize, wheat flour
- Onions, carrots, spinach
- Bananas, coconuts

**Italy**
- Sunflower oil
- Chicken, milk
- Dried white beans
- Pasta, wheat flour
- Onions, carrots, cabbage
- Apples, bananas

Legend:
- **Oils & fats**
- **Legumes, nuts, & seeds**
- **Starchy Staples**
- **Fruits**
- **Vegetables**
- **Animal-source foods**
Cost is calculated based on prices
Affordability based on cost, income & expenditures

- 48% on non-food expenditures
- 52% on food expenditures
Food Prices for Nutrition Cost Indicators

- Cost of a healthy diet, per person per day
- Cost of energy sufficient and nutrient adequate diets, per person per day
- Cost per person per day, cost share, and cost relative to starchy staples of different food groups
### Food Prices for Nutrition Affordability Indicators

<table>
<thead>
<tr>
<th>Metric</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Share of the population and number of people who cannot afford each diet cost</td>
<td>Calculated as the percentage of people who cannot afford the cost of the specified diet.</td>
</tr>
<tr>
<td>Ratio of each diet cost to average food expenditures</td>
<td>The ratio of the cost of the diet to the average food expenditure for a country.</td>
</tr>
<tr>
<td>Ratio of each diet cost to 52% of international poverty line</td>
<td>The ratio of the cost of the diet to 52% of the international poverty line.</td>
</tr>
</tbody>
</table>
Cost of a healthy diet and population unable to afford diet, 2020

Bubble size scaled by number of people unable to afford a healthy diet

FY 22 Income group
- Low income
- Lower middle income
- Upper middle income
- High income

Source: Food Prices for Nutrition DataHub
Costs of food groups relative to cost of starchy staples in a least-cost healthy diet, 2017

Filter by food group:

Cost of vegetables relative to the cost of starchy staples

Cost of food group relative to the cost of starchy staples

Source: Food Prices for Nutrition DataHub
Provides access to data used by The State of Food Security and Nutrition in the World and beyond

Includes 33 indicators for 170+ countries, regions, and income groups

Houses full dataset for 2017 and selected data for 2018, 2019, and 2020

Provides users with interactive charts and maps to further explore the data