

Affordability of the EAT–Lancet reference diet

a global analysis

Kalle Hirvonen International Food Policy Research Institute Diets, Affordability and Policy in Ethiopia: From Evidence to Action

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EAT-Lancet reference diet



		Macronutrient intake grams per day (possible range)	Caloric intake kcal per day
	Whole grains Rice, wheat, corn and other	232	811
	Tubers or starchy vegetables Potatoes and cassava	<mark>50</mark> (0–100)	39
Í	Vegetables All vegetables	<mark>300</mark> (200–600)	78
6	Fruits All fruits	200 (100–300)	126
o	Dairy foods Whole milk or equivalents	250 (0–500)	153
)	Protein sources Beef, lamb and pork Chicken and other poultry Eggs Fish Legumes Nuts	14 (0-28) 29 (0-58) 13 (0-25) 28 (0-100) 75 (0-100) 50 (0-75)	30 62 19 40 284 291
6	Added fats Unsaturated oils Saturated oils	<mark>40</mark> (20–80) <mark>11.8</mark> (0-11.8)	354 96
	Added sugars All sugars	<mark>31</mark> (0–31)	120

How much does it cost and is it affordable to everyone?

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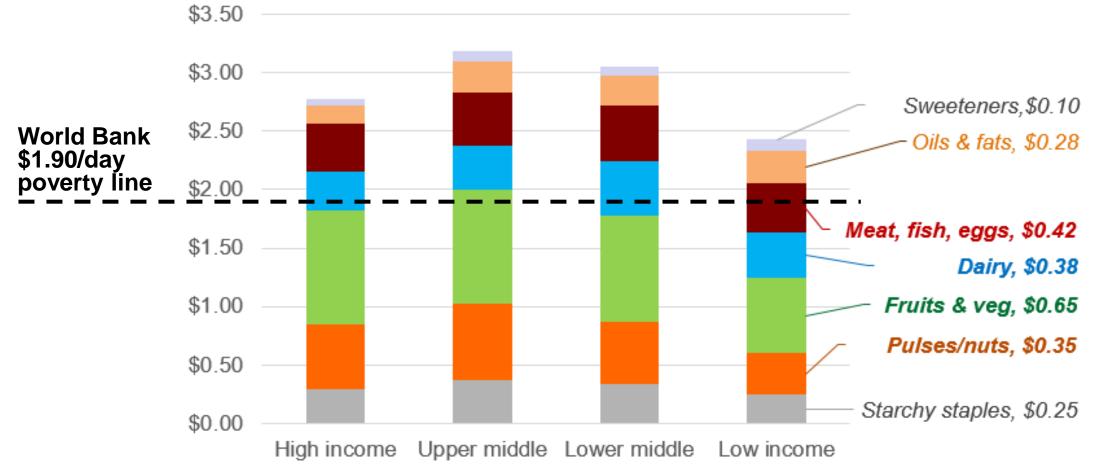


International Comparison Program (ICP) data on food prices

- 2011 retail prices of standardized food products collected by national statistical agencies and coordinated by the World Bank
- In total we have 744 items food items in 159 countries, representing 95% of the world's population
- Steps:
- 1. Matched these items to the EAT-Lancet food groups
- 2. Calculated the price per calorie of each item
- 3. Selected the cheapest item within each EAT-Lancet food group
- 4. Calculated the total **least** cost of the EAT-Lancet reference diet in each country.
- 5. Compared this cost to household incomes (source: World Bank)

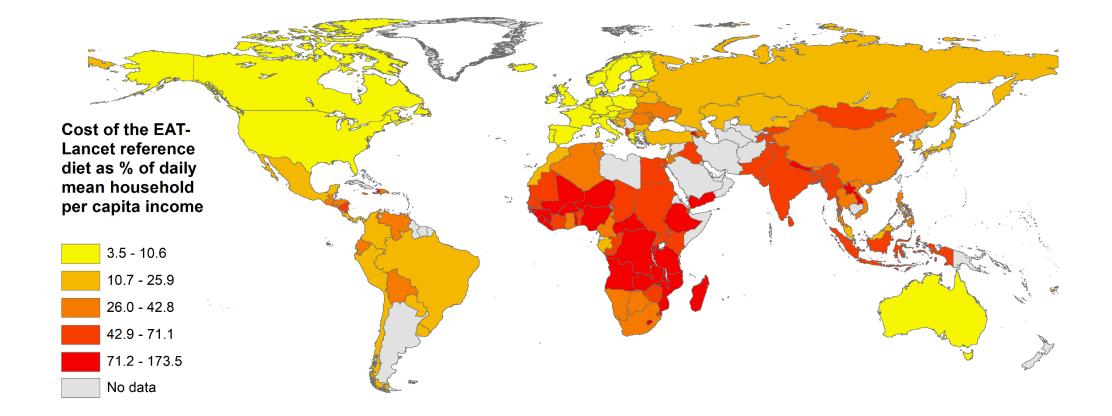


Cost of the EAT-Lancet reference diets by country income level



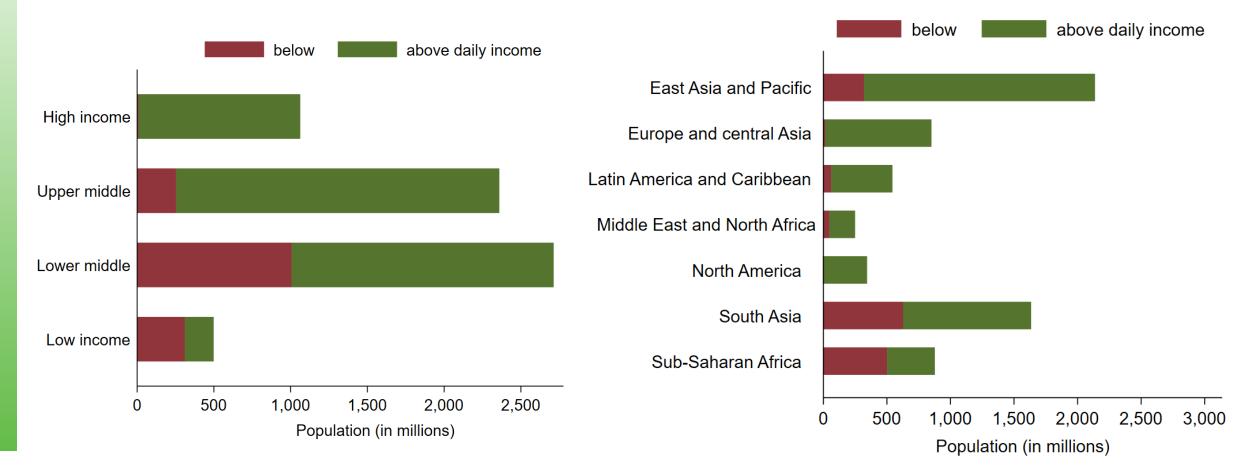


The cost of the EAT-Lancet reference diet is particularly unaffordable in Africa and South Asia





About 1.58 billion people have daily incomes below the cost of the EAT-Lancet reference diet





What can be done to put healthier diets within reach?

- Raising the real incomes of the poor is a necessary condition for improving their diets.
- Investments throughout the food systems to lower (relative) prices of nutritious foods.
- As diverse options become more affordable, taste, convenience & knowledge become the driving force in food choice.
 - \circ Investments in nutrition education needed.
 - \circ Regulation on food labelling and marketing needed.

