

Global Nutrition Trends

Global Food Consumption: National Habits, Trends and Projections

Consumption of Animal Products and Crops
in Major Countries and Regions, with simple
projections to 2025

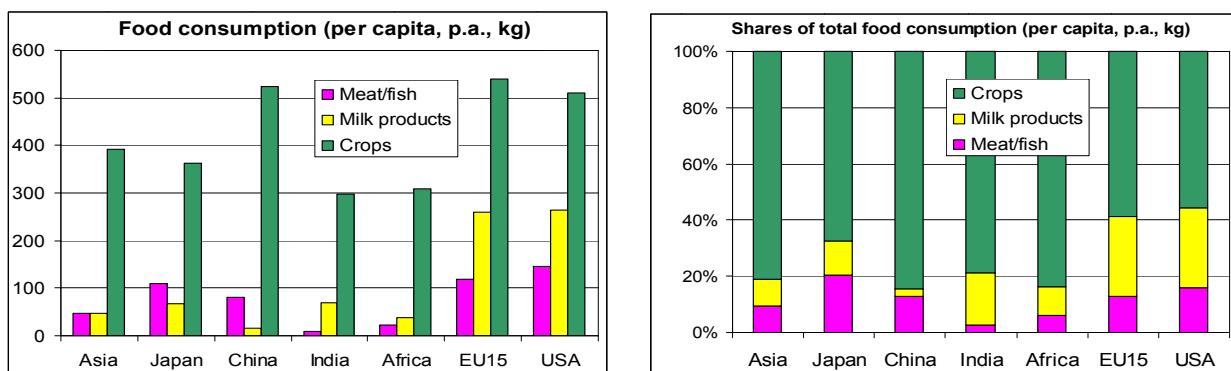


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Executive Summary

Per capita food consumption varies significantly across continents and countries

- Global average: 536 kg of food per person per year
- US and Europe over 900 kg, Africa 370 kg
- The Japanese eat only 60% as much as Europeans or Americans (per person)



National food habits differ widely

- Animal food (milk, meat, fish) makes up over 40% of the food of Europeans and Americans - This share is less than 20% in Asia and Africa
- Milk-products are predominantly consumed in Europe and North-America
- India as a mostly vegetarian society consumes just 8% of the meat and fish an American or European would eat, while the Chinese (61%) have not that differing eating habits (particularly also when compared to Japanese people)
- Indians eat a record of 2.7 kg spices per person and year

Trends and projections

- The table below shows past trends in food demand growth (1995-2003) as well as projected annual growth rates to 2025 (cf. page 2 for assumptions)
- We consider those projected trends most likely to be accurate if supported by 1995-2003 growth patterns (e.g. China milk product demand) while other projections are quite unlikely to prove correct (meat demand in India)

	Meat/fish		Milk products		Crops		Total	
	1995-2003	2005-2025	1995-2003	2005-2025	1995-2003	2005-2025	1995-2003	2005-2025
Total Food (growth rate, p.a.)								
Asia	2.1%	4.3%	2.5%	7.2%	1.5%	1.8%	1.6%	2.9%
Japan	-0.6%	0.2%	-0.5%	4.3%	-1.1%	0.7%	-0.9%	1.2%
Korea	2.7%	0.7%	2.9%	8.9%	-0.6%	0.2%	0.0%	1.1%
China	3.7%	1.9%	10.0%	11.8%	3.1%	0.5%	3.3%	1.6%
India	1.1%	11.6%	1.9%	5.6%	0.8%	2.8%	1.0%	3.9%
Africa	0.6%	8.5%	0.8%	9.2%	0.4%	3.5%	0.5%	4.9%
EU15	0.7%	0.3%	0.8%	0.1%	0.8%	0.0%	0.8%	0.1%
USA	0.5%	0.6%	0.1%	0.8%	-0.2%	0.9%	0.0%	0.8%
Developed countries	0.5%	0.9%	0.5%	1.0%	0.6%	0.6%	0.6%	0.8%
Developing countries	1.9%	4.8%	1.8%	7.1%	1.3%	2.0%	1.4%	3.1%
World	1.1%	3.6%	0.7%	4.8%	1.0%	1.8%	1.0%	2.6%

Source: FAO, CEI Group Calculations

Note: growth rates 1995-2003 are per capita, 2005-2025 total (including population growth)

green>5%, orange <-3%

- Dairy product consumption is projected to grow strongly in Asia (validated so far by recent trends in China only, however)**
- Meat consumption growth could continue above average in selected Asian countries (but not very likely, for example, in India)**

	Milk - Excluding Butter		Meat		Fish, Seafood	
	1995-2003	2005-2025	1995-2003	2005-2025	1995-2003	2005-2025
Total Food (growth rate, p.a.)						
Asia	2.5%	7.2%	2.8%	5.5%	1.0%	1.8%
Japan	-0.5%	4.3%	0.0%	2.5%	-1.0%	-2.2%
Korea	3.0%	9.1%	3.7%	2.4%	1.9%	-1.6%
China	10.1%	11.7%	4.3%	2.5%	2.5%	0.4%
India	1.8%	5.7%	1.0%	14.0%	1.1%	6.9%
Africa	0.8%	9.2%	0.6%	9.5%	0.5%	5.7%
EU15	0.8%	0.1%	0.7%	0.5%	0.6%	-0.2%
USA	0.1%	0.8%	0.6%	0.5%	-0.3%	1.1%
Developed countries	0.5%	1.0%	0.7%	1.1%	0.1%	0.3%
Developing countries	1.8%	7.1%	2.3%	5.6%	1.1%	2.6%
World	0.7%	4.8%	1.3%	4.2%	0.7%	2.1%

Note: growth rates 1995-2003 are per capita, 2005-2025 total (including population growth)

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Source: FAO, CEI Group Calculations

- Beer consumption set to continue to grow solidly in China whereas projections made for the rest of Asia appear much less certain. India would have the potential to be a strong growth market for beer**

	Beer		Cereals - Excluding Beer		Fruits - Excluding Wine		Vegetable Oils	
	1995-2003	2005-2025	1995-2003	2005-2025	1995-2003	2005-2025	1995-2003	2005-2025
Total Food (growth rate, p.a.)								
Asia	1.8%	9.0%	-1.1%	0.2%	2.2%	3.6%	3.5%	3.5%
Japan	-7.2%	2.7%	-0.2%	-0.3%	0.4%	1.9%	2.1%	1.0%
Korea	-0.6%	2.6%	-1.7%	-0.3%	-1.0%	1.9%	5.9%	1.6%
China	5.1%	5.3%	-2.6%	-0.2%	5.7%	3.1%	6.0%	2.7%
India	-4.9%	31.9%	-0.5%	0.4%	1.5%	4.8%	3.9%	3.8%
Africa	0.2%	11.5%	0.3%	1.4%	-0.2%	4.4%	0.0%	5.3%
EU15	-0.9%	0.3%	1.3%	0.0%	1.8%	0.0%	0.3%	0.5%
USA	-0.3%	0.6%	-1.3%	1.0%	0.3%	0.9%	1.2%	0.5%
Developed countries	0.6%	1.0%	-0.1%	0.0%	1.5%	1.1%	1.3%	1.0%
Developing countries	1.8%	8.5%	-0.8%	0.4%	1.4%	3.3%	2.5%	3.7%
World	0.6%	5.3%	-0.6%	0.4%	1.3%	2.8%	2.0%	3.1%

Note: growth rates 1995-2003 are per capita, 2005-2025 total (including population growth)

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Source: FAO, CEI Group Calculations

- Increased consumption of **Chocolate** (Cocoa Beans) could be an emerging trend in Asia (cf. Korea, where growth was strong in the past 10 years and projected to continue strong as eating habits westernize)
- Sugar demand growth projected to rise (projections exclude potential fuel demand growth). Artificial sweeteners have yet to gain ground in emerging economies but could be a solid growth market (cf. separate sections)
- Potatoes gained in popularity in Asia, particularly in China, but also in India – and in Africa

	Cocoa Beans		Sugar, Refined Equiv		Potatoes		Vegetables	
	1995-2003	2005-2025	1995-2003	2005-2025	1995-2003	2005-2025	1995-2003	2005-2025
Total Food (growth rate, p.a.)								
Asia	0.0%	14.7%	1.5%	3.7%	6.4%	4.4%	4.9%	0.7%
Japan	4.7%	1.5%	-1.3%	1.6%	-1.3%	3.4%	-1.2%	0.2%
Korea	9.1%	6.8%	0.7%	2.0%	-2.1%	7.9%	-0.5%	-1.0%
China	n.a.	#DIV/0!	1.3%	5.8%	11.8%	2.6%	7.8%	-1.0%
India	n.a.	#DIV/0!	2.8%	3.1%	3.1%	6.0%	2.5%	2.9%
Africa	9.1%	12.1%	1.1%	4.5%	3.3%	8.1%	1.4%	4.6%
EU15	1.7%	0.1%	0.5%	-0.1%	-0.3%	-0.1%	0.7%	0.0%
USA	1.6%	0.8%	0.4%	1.0%	0.9%	1.1%	0.2%	0.9%
Developed countries	2.3%	1.2%	0.7%	0.4%	0.2%	0.2%	0.7%	0.5%
Developing countries	0.0%	11.1%	1.3%	3.1%	5.6%	5.0%	4.6%	1.2%
World	0.0%	6.6%	0.9%	2.4%	2.2%	3.3%	3.6%	1.2%

Note: growth rates 1995-2003 are per capita, 2005-2025 total (including population growth)

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Source: FAO, CEI Group Calculations

Full study on request.

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