

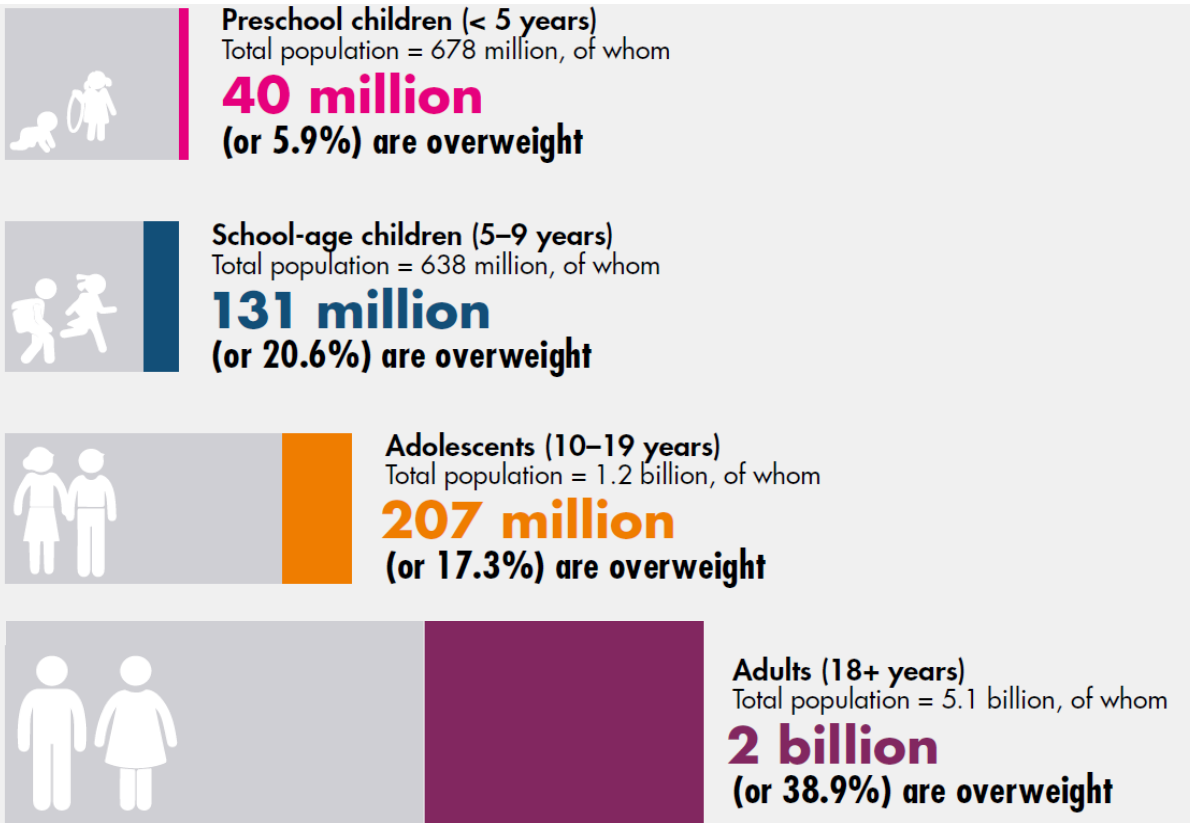
# Obesity and Overweight: Population trends & consequences

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23 April 2020*

# Key facts

## OVERWEIGHT PREVALENCE INCREASES OVER THE LIFE COURSE AND IS HIGHEST IN ADULTHOOD



Source: FAO and others, *The State of Food Security and Nutrition in the World*, (Rome, FAO, 2019), fig. 17.

# Key facts

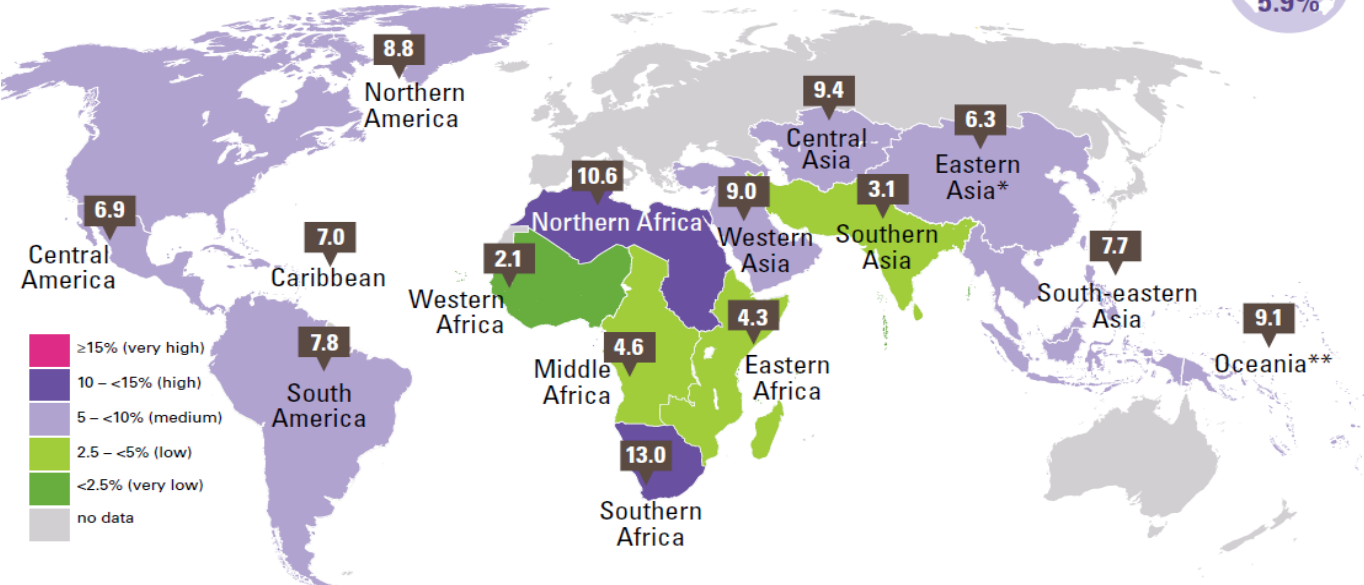


## Overweight PREVALENCE



**In two sub-regions, at least one in every ten children under five is overweight**  
Percentage of overweight children under 5, by United Nations sub-region, 2018

**GLOBAL**  
5.9%



Source: UNICEF, WHO, World Bank group Joint malnutrition estimates, 2019.

# Contributing Factors

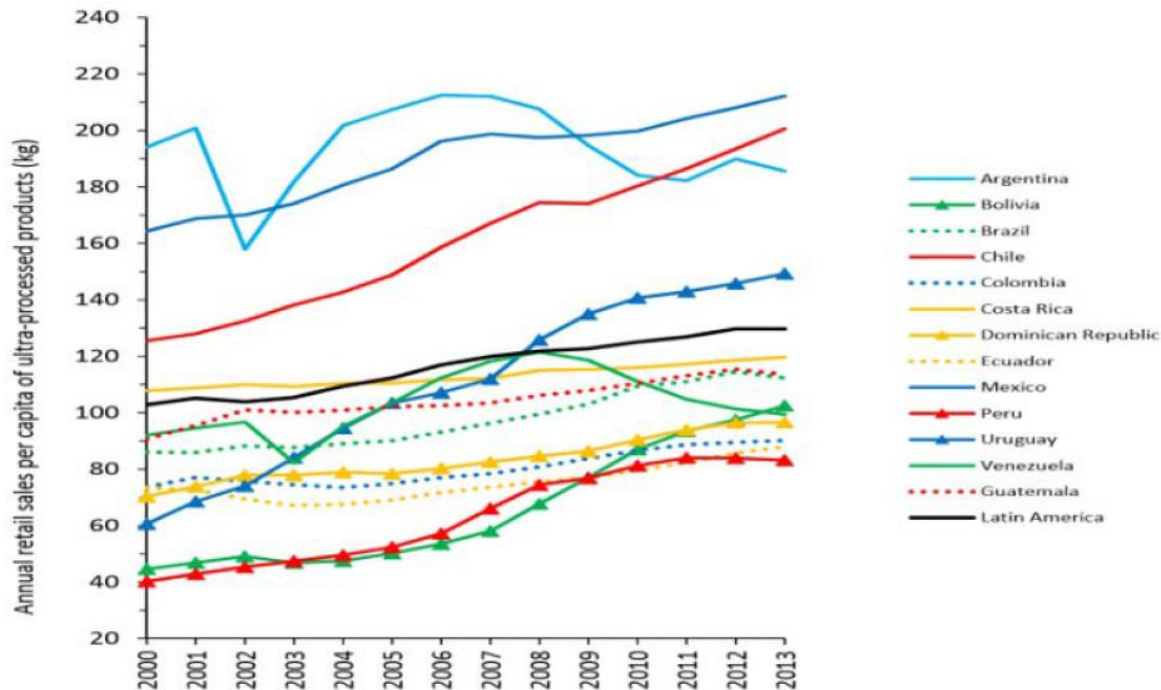


- ❑ Rising incomes in LMIC
  - ❑ greater demand for nutrient-rich foods
  - ❑ With a parallel – and more rapid – increase in consumption of processed food & beverages
- ❑ *Greater affordability*, marketing and availability of high processed, energy-dense, low-nutrient foods

# Contributing Factors

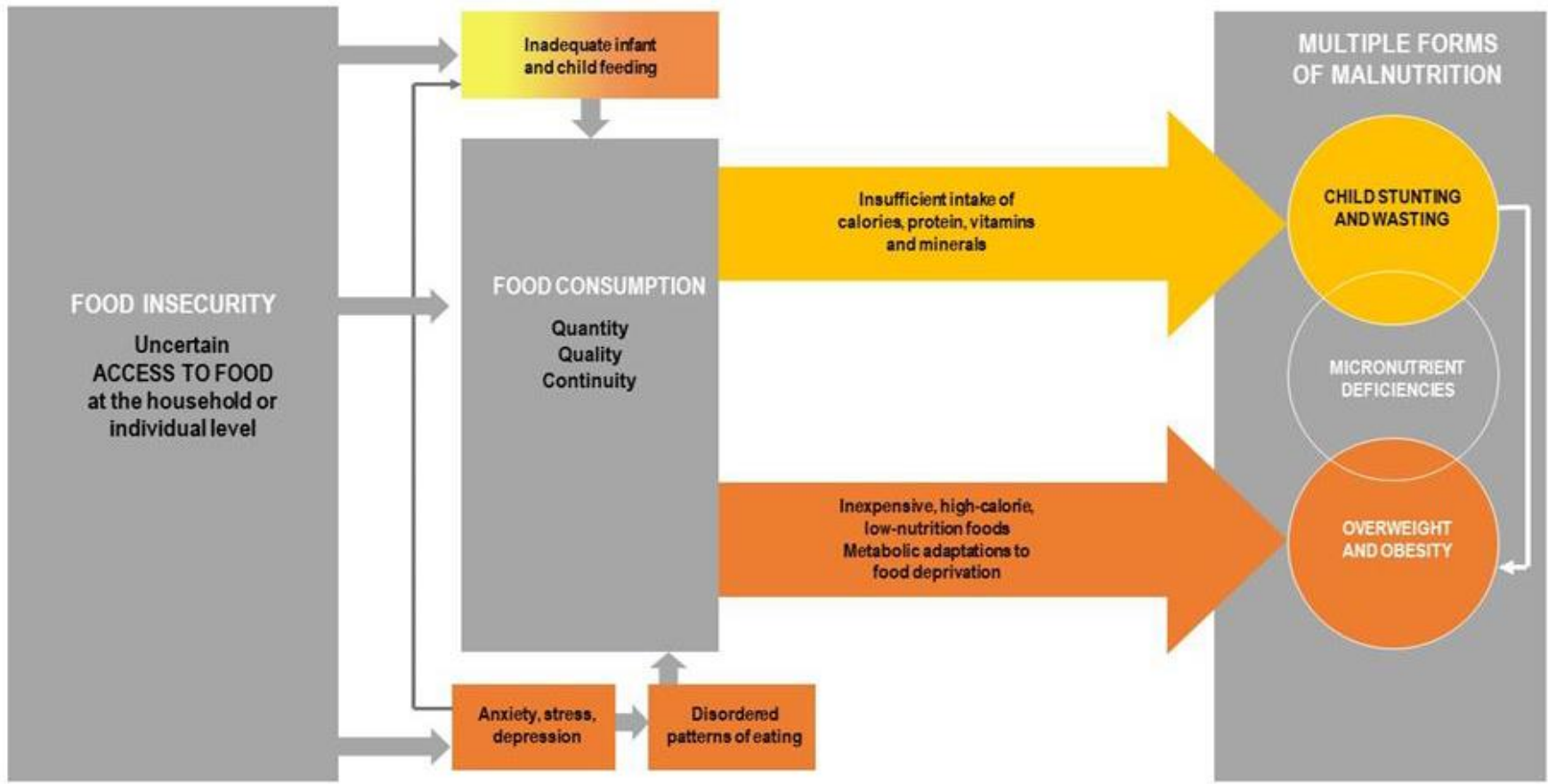
**Figure 4**

Annual retail sales per capita of ultra-processed food and drink products in 13 Latin American countries, 2000–2013



Ultra-processed products here include carbonated soft drinks, sweet and savory snacks, breakfast cereals, confectionery (candy), ice cream, biscuits (cookies), fruit and vegetable juices, sports and energy drinks, ready-to-drink tea or coffee, spreads, sauces, and ready-meals. Quantity in liters is converted into kilograms. Sales data are from the Euromonitor Passport Database (2014) (38).

# Pathways from inadequate food access to multiple forms of malnutrition



Yellow box: Undernutrition pathway    Orange box: Obesogenic pathway

# Health impact of obesity and overweight

- ~8% of global deaths globally attributable to overweight/obesity (2017)
- Unhealthy diets are now responsible for more adult deaths and disability worldwide than tobacco use

# Health impact



- ❑ Obese women who become pregnant have elevated risks to their own health, worse pregnancy outcomes, and offspring have higher risks of adult obesity
- ❑ Breastfeeding reduces risk of overweight/ obesity, breast & ovarian cancers, type 2 diabetes, hypertension – only 2 in 5 infants exclusively BF for 6 months



# What works?



- WHO “**best buys**” for cost-effective interventions to improve unhealthy diets:
  - behaviour change communication and front-of-pack labelling;
  - eliminate industrial trans-fats;
  - tax on sugar-sweetened beverages;
  - reduce salt intake through reformulation;
  - provide lower salt options in public institutions

# What works?



- ❑ Taxation on sugar-sweetened beverages – enacted in 73 countries – emerging evidence
- ❑ In developed countries, vouchers for fruit and vegetable purchases have increased consumption
- ❑ Food-based dietary guidelines, in 91 of 193 UM Member States

# COVID-19 and Obesity



- ❑ Malnourished individuals (undernutrition or obesity) more likely to have severe COVID-19 symptoms, requiring hospitalization
- ❑ Obesity is linked to co-morbidities, but newest data suggests obesity has an independent effect -
- ❑ In March, obesity was the most prevalent condition among 180 patients age 18-49 hospitalized for COVID-19 in USA
- ❑ Obesity appears to be a risk factor among young people with no co-morbid conditions