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## Processed foods – 'sometimes foods'

•Spectrum – baked beans to doughnuts

•Little nutritional value – empty calories

•Evidence increase risk processed meat products certain cancers

•Energy more 'available' in processed foods



# Balance - 80:20

- Not helpful to say one food is 'good' and one 'bad'
- Your diet is a sum of all its parts
- All about balance
- Nutrient needs vary across life-stages
- Important to enjoy your food!















### Inequalities

- Low-income groups (usually measured by educational and occupational levels) consume less balanced diets and less fruit and vegetables leading to malnutrition:
  - under-nutrition (micronutrients deficiency) and
  - over-nutrition (overweight and obesity still micronutrient deficiencies)
  - develop chronic diseases at an earlier age compared with higher socioeconomic groups

### Access - food poverty

- > Physical factor influencing food choice local shops/work/school
- Obesogenic environment?
- > Dependent on resources such as transport (car, train, bus, by foot)
- > And geographical location (easy in towns with corner shops)
- Healthy food tends to be more expensive when available within towns and cities compared to supermarkets on the outskirts
- BUT improving access alone does not increase purchase of additional fruit and vegetables, which are still believed to be too expensive (perception)
- EDUCATION KEY -



- Inequalities in diet
  - More processed foods & less variety
  - People on state benefits eat less fruit/veg, less fish, less high-fibre breakfast cereals
  - People in households without an earner consume more calories, considerably more fat, salt and Free sugars











- Higher socioeconomic background
  - More frequent vegetables and potatoes (not chips)
- Lower socioeconomic background
  - More likely to skip breakfast
  - Less frequency of healthy foods
  - Less tendency to consume healthy foods
  - More likely to consume SSB's and energy drinks

Why should teens have a balanced healthy diet and lifestyle? Long term health – facts – obesity doubled in your age group in last 20 years – impact on your long term health – NOT ALL ABOUT WEIGHT - normal weight but unhealthy/malnourished

INCOME

FULCATION

HEALTH

Links with **diet** and **lifestyle** to chronic diseases – heart disease, diabetes and certain cancers

Greatest period of growth and development - physical and mental - throughout the lifespan – peak bone mass – nutrients for bones?

Barker hypothesis – nutritional status of mother impacts future health of her children – you are the mums of tomorrow



# Nutritional facts - teenage girls 13-15 yrs

Nutrient	RDI	Mean intake	
Free sugars	<5%	14%	
Fibre	25 g	14.1 g – (boys 16.5g!)	
Vitamin D	10 mcg	4.6 mcg	
Calcium	800 mg	664 mg (boys 854 mg!)	
Folate B9	200 mcg	178 mcg	
Iron	14.8 mg	8.3 mg	
Iodine	140 mcg	101 mcg	





# Genetic and lifespan influence on food choice Time of life does influence food choices - BUT Genetics also a key factor

- Different people 'wired' to respond differently to different cues
- Some will always respond more to hunger cues, or social pressures than others
- Professor Tim Yeo Cambridge university
- <u>https://www.youtube.com/watch?v=AD\_DZEh\_yPk</u>



# Not all about nutrition - Be more active

- PHE 1 hr activity/ day
- Physical and mental health bones, heart health, diabetes – depression, mental health
- Doesn't matter what it is sustainable







