

Food and Beverage Composition Tables Tabula®

New branded Food and Beverage Composition Database post food reformulation in Spain elaborated with the information declared in the nutritional labeling



Project "Impact of food reformulation in Spain on dietary intake and nutritional quality in children and adolescents" (REFORES; REFORmulation in Spain)

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Introduction

Tabula[®] is a food and beverage composition database, elaborated from the information declared in the labeling of food products collected in web platforms of the food processing and distribution industry in Spain.

Tabula[®] currently includes 6,500 food products, reaching a representativeness of approximately 80% of the current Spanish market.

Regardless of the variety of foods and beverages currently marketed, there is a lack of harmonized, comprehensive, and up-to-date composition data for processed foods and beverages marketed in Spain available in food composition tables and databases. In fact, the nutritional data declared on the labels of these products are, at present, the main source of information, as collected and evaluated in several studies carried out in Europe and worldwide.

Food reformulation is a key tool for public health, the food industry, and consumers. More and more products marketed in Spain are being reformulated and, therefore, a new picture of the Spanish food market has emerged.

Background and rationale

The high prevalence of overweight and obesity is a public health challenge worldwide.

The obesity map recently presented by the Spanish Agency for Food Safety and Nutrition (AESAN), carried out thanks to data from the 2020 ENE-COVID study, indicates that onethird of the child and adolescent population is overweight and one in ten is obese.

According to several epidemiological studies carried out in Spain before the COVID-19 pandemic, a change in eating patterns away from the Mediterranean Diet and towards foods rich in fats, especially saturated fats, refined sugars, and salt, has been identified as a key factor in obesity in our environment.

Since the early 2000s, several member countries of the Organisation for Economic Co-operation and Development (OECD) have shown increasing interest in implementing policies that encourage the reformulation of food products. In fact, nowadays there is concrete evidence of the success of reformulation as an effective public health strategy: a recent review found that reformulated products were generally accepted and purchased by consumers, leading to improved nutrient intake in 73% of the studies analyzed.

In Spain, the "Collaboration Plan for the improvement of food and beverage composition and other measures 2017- 2020", carried out by the Ministry of Consumer Affairs, through the AESAN in the framework of the "Nutrition, Physical Activity and Obesity Prevention Strategy" (NAOS), included 180 voluntary commitments with the agents involved in the food industry, catering services and distribution in a total of 3,500 products. Specifically, the objective of the Plan was to reduce the added sugar content of foods and beverages by 5-10%; the total fat content by 5-10%; and finally, the salt content by 6-16%, depending on the categories and subcategories of foods and beverages. The final results on compliance with the Plan are satisfactory, since, according to the AESAN, 99% of the quantitative commitments to reduce sugars, salt, saturated fat and total fat established for the products evaluated have been met.

However, the AESAN did not include in its objectives of the Plan objectives a followup in relation, in the first place, to the new picture that emerged after this broad reformulation policy carried out, nor did it provide data on the actual intakes of the population and the associated nutritional and dietary quality indicators, essential to evaluate the success of this intervention.

In addition to the above, it is necessary to underline in a very significant and certainly worrying way the lack and/or outdatedness of the databases on the composition of processed foods and beverages available in the Spanish market, that are representative of the expected and already mentioned current reality. This last fact impacts, by extension, on the need for valid and validated instruments to correctly quantify dietary intake.

Methodology

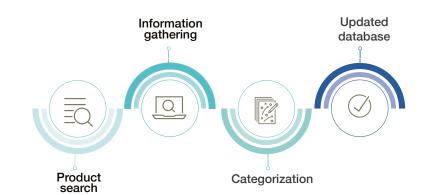
Objective: Food and beverage composition Database based on information declared on the labeling of food products collected on web platforms of the food processing and distribution industry, in order to assess and compare with own data from 2013, and to establish reformulation results over a period of ten years.

Fieldwork

Data collection took place between January 2022 and October 2023, and regular updates are planned.

The information was collected through an online search of the products on the online platforms of the distribution chains. This ensures the availability of the products included in the current Spanish food market.

On the occasions when the product was available for sale online, but the nutritional information was not, the information was consulted on the manufacturers' websites.



Process

Nutritional information

Tabula[®] makes it possible to obtain nutritional information on each product from the labeling, which is regulated by Regulation (EU) No. 1169/2011 on food information provided to consumers. Specifically, it provides information on:

- Legal denomination: in the absence of such a denomination, the denomination of the food shall be the customary name or, if such a name does not exist or is not used, a descriptive denomination of the food shall be provided.
- List of ingredients and allergens.
- Mandatory nutrition information on the labeling of packaged foods:
 - Energy value (expressed in kcal and kJ).
 - Fats:
 - Of which, saturated.
 - Carbohydrates:
 - Of which sugars.
 - Proteins.
 - Salt.

• Nutritional information for voluntary declaration on labeling:

- Monounsaturated fats.
- Polyunsaturated fats.
- Polyalcohols.
- Starch.
- Dietary fiber.
- Vitamins and minerals: may be declared only if they are listed in Annex XIII of Regulation (EU) No. 1169/2011 and are present in the food in significant amounts (>15% of the recommended daily allowance, RDA, per 100 g or 100 mL in the case of products other than beverages or >7.5% of the RDA in the case of beverages).

Additionally, for each product, the nutritional declaration regarding the content of critical nutrients (total fat, saturated fats, sugars, and salt) has been evaluated and recorded, if applicable, considering the criteria of Regulation (EC) No. 1924/2006 on nutrition and health claims made on foods.

Tabula® allows you to consult products:

- By food and beverage categories.
- By product.
- By brand.
- By nutrition declaration, if applicable,
- referring to critical nutrient content (fat, saturated fat, sugars, and salt)

And it allows you to **sort the results** by content of the desired nutrient, as well as alphabetically.

Product categorization

In order for Tabula[®] to be a reference source at both national and European level, all products have been classified according to two food product categorization systems:

On the one hand, the food and beverage classification system used in the WHO (World Health Organization) Nutrient Profile Model (NPM 2023) for the European Region has been applied. On the other hand, the EuroFIR (European Food Information Resource Network) classification system was used, which provides a standardized classification structure according to the LANGUAL[®] thesaurus, specifically according to product type.

Tables 1 and 2 show the distribution of foods and beverages according to WHO and EuroFIR classification, respectively.

Table 1. Description of Tabula® by food and beverage groupsand subgroups according to WHO-Europe classification.

Number and type of products in Tabula°

| | | | Table sugar | 7 |
|------------|----------|--|--|-----|
| | | 1. Chocolate and sugar | Granola and cereal-type bars | 90 |
| Ø | 537 | | Sugar confectionery | 150 |
| PA / | products | confectionery, energy | Chocolate confectionery | 261 |
| | | desserts. | Nut butters | 1 |
| | | - | Spreadable chocolate and other sweet sandwich toppings | 28 |
| | | | Baked and cooked desserts | 170 |
| | | 2. Cakes, sweet biscuits and pastries; other sweet bakery wares; and dry mixes for making | Dry mixes for making such | 2 |
| DK | | | Tofu-based desserts and other plant-based desserts | 27 |
| | 766 | | Cakes and sponges | 197 |
| | products | | Pies and pastries | 74 |
| | | such | Cookies/sweet biscuits | 290 |
| | | - | Pancakes, waffles and French toast | 2 |
| | | | Scones and soda bread | 4 |
| | | | Potato, vegetable and grain chips | 54 |
| | | - | Crackers/savoury biscuits | 110 |
| \bigcirc | 477 | | Nuts, seeds and kernels | 108 |
| \sim | products | 3. Savoury snacks | Extruded snacks | 196 |
| | | - | Savoury pretzels | 1 |
| | | - | Other | 8 |

| | 4.1 Juices |
|---|--|
| | 100% fruit and vegetable juices 11 |
| | Smoothies 4 |
| | 4.2 Dairy milk drinks |
| | Dairy milks 10 |
| | Milkshakes and coffees containing 82 dairy milk |
| | 4.3 Plant-based milks |
| 1,000 4. Beverages | Plant-based milks 14 |
| products 4. Develages | Milkshakes and coffees containing 27 plant-based milks |
| | 4.4 Energy drinks 28 |
| | 4.5 Soft drinks, bottled waters and other drinks |
| | Water-based flavored drinks 29 |
| | Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and 13 grain beverages |
| | Fruit and vegetable nectars 35 |
| 182 | Dairy and plant-based ice creams 16 |
| products 5. Edible ices | Water-based ices 13 |
| 84 | Minimally processed breakfast cereals 15 |
| 6. Breakfast cereals | Highly processed breakfast 69 |
| | Yogurt products containing 23 additional ingredients |
| 444 7. Yogurt, sour milk, products and similar foods | cream Yogurts and sour milks 17 |
| | Cream 35 |
| 337 | Hard, medium and soft cheeses 27 |
| products 8. Cheese | Processed cheeses 67 |
| | Ready-to-eat meals composed of a combination of carbohydrate/vegetable/ 37 meat |
| | Pizza and pizza snacks 13 |
| 960 9. Ready-made and | Pasta, noodles and rice or grains with sauce or seasoned 76 |
| products convenience foods composite dishes | and Tinned composite foods 86 |
| Composite disties | Soups 14 |
| | Prepared salads 47 |
| | Sandwiches and wraps 11 |

| | 40 | | Vegetable oils | 15 |
|----------|-------------------------|--|---|-----|
| | products | 10. Butter, other fats and oils $^-$ | Butter, butter blends, margarine, and oil-based spreads | 25 |
| | | | Leavened bread | 83 |
| | 122 products | 11. Bread, bread products and crisp breads | Sweet and raisin breads | 35 |
| J | products | | Flatbreads | 4 |
| | 52 | 12. Fresh or dried | Rice and grains | 9 |
| | products | pasta, rice and grains | Fresh or dried pasta and noodles | 43 |
| R | 21 products | 13. Fresh and frozen meat, poultry, fish and similar | Fresh and frozen meat, poultry, game and fish | 21 |
| Ð | 631 14. Processed meat, | | Processed meat, poultry, game and preparations | 399 |
| 220 | products | poultry, fish and similar | Processed fish and seafood products | 232 |
| Ex | 49 products | 15. Fresh and frozen fruit, vegetables and legumes – | Fresh and frozen legumes | 9 |
| LEP) | | | Fresh and frozen fruit, vegetables | 39 |
| | | | Mushrooms | 1 |
| | | | Tinned, pickled, dried, battered and breaded vegetables and legumes | 143 |
| B | 270 products | 16. Processed fruit and | Jams and marmalades | 94 |
| | | vegetables | Tinned, dried and pickled fruits | 32 |
| | | | Fruit and vegetable pouches | 1 |
| B | 141 | 17. Savoury plant-based | Meat analogues | 111 |
| | products | food/meat analogues | Tofu and tempeh | 30 |
| | | | Cooking sauces | 123 |
| R_ | | _ | Dips and dipping sauces | 19 |
| 位音) | 387 products | 18. Sauces, dips and dressings | Salad dressings | 97 |
| 9 | products | urcəənigə | Stock cubes | 38 |
| | | — | Condiments | 110 |

Tabula® includes 32 non-alcoholic beverages that are not listed in the WHO profile classification. Tabula® includes 92 prepared fish-based dishes that are not listed in the WHO profile classification.

Table 2. Description of Tabula® by food and beverage groupsand subgroups according to EuroFIR classification.

Number and type of Tabula[®] products

| Ť | | Butter or other animal fat | 20 |
|------------------------|-------------------------|--|-----|
| 40 products | Fat or oil | Margarine or lipid of mixed origin | 5 |
| | | Vegetable fat or oil | 15 |
| | | Sugar, honey or syrup | 10 |
| (D) (233) 533 | | Chocolate or chocolate product | 282 |
| products | Sugar or sugar product | Non-chocolate confectionery or other sugar product | 147 |
| | | Jam or marmalade | 94 |
| | | Alcoholic beverage | 32 |
| 643 products | Beverage (Non milk) | Non alcoholic beverage | 460 |
| 9 | | Juice or nectar | 151 |
| | | Sausage or similar meat product | 72 |
| 482 products | Meat or meat product | Meat analogue | 138 |
| | • | Preserved meat | 272 |
| | | Pasta and similar products | 43 |
| | | Fine bakery ware | 613 |
| الإلى 1991 Products | Grain or grain product | Rice and other cereals | 17 |
| products | | Bread and similar products | 201 |
| | | Breakfast cereal | 117 |
| 39 products | Fruit or fruit product | Processed fruit product | 38 |
| 106 products | Nut, seed or kernel | Nut or seed product | 82 |
| | | | |

| | | | Frozen dairy dessert | 166 |
|----------|-------------------|--|--------------------------------------|-------|
| A | | Milk, milk product or milk substitute | Fermented milk product | 363 |
| A M | 1,300 products | | Cheese | 328 |
| | producto | | Milk | 222 |
| | | | Immitation milk products | 221 |
| DA | 1,963 | Miscellaneous | Spice, condiment or other ingredient | 256 |
| | products | miscellaneous | Prepared food product | 1,707 |
| P | 220 products | Seafood or related | Seafood product | 199 |
| eççe | | product | Fish or related organism | 21 |
| | | | Vegetable (excluding potato) | 125 |
| | 183 products | | Pulse or pulse product | 54 |
| | | | Starchy root or potato | 4 |

Tabula® includes 25 foods (fruits and derivatives, nuts and seeds) that are not listed in the EuroFIR classification.

Exclusion criteria

- Food products exempt from including mandatory nutrition declaration according to Regulation (EU) No. 1169/2011 on food information provided to consumers. These are fresh foods, natural mineral waters, and alcoholic beverages containing more than 1.2% alcohol by volume. However, Regulation (EU) No. 2021/2117, published on December 2, 2021, amends the labeling rules for wines and aromatized wines and makes it mandatory to communicate the list of ingredients and the nutrition declaration for these products as of December 8, 2023. For the time being, the present Database does not include any alcoholic beverages with alcohol by volume greater than 1.2%.
- Food products without nutritional information available online.
- Foodstuffs intended for special dietary use. As they are considered outside the scope of work of the Tabula[®] Database, "foods intended for infants and young children, foods for special medical purposes and complete diet replacements for weight control" are excluded, according to Regulation (EU) No. 609/2013 of the European Parliament and of the Council of 12 June 2013.
- Food supplements: because they are considered outside the scope of Tabula[®], "food products whose purpose is to supplement the normal diet and consisting of concentrated sources of nutrients or other substances having a nutritional or physiological effect, in single or combined form, marketed in dosage form, ie, capsules, tablets, pills and other similar forms, sachets of powder, ampoules of liquid, dropper bottles and other similar forms of liquids and powders to be taken in small unit quantities" are excluded, according to Royal Decree 1487/2009, of September 26, 2009, on food supplements.

Publication

The Spanish Food and Beverage Composition Tables Tabula[®] is available in open format on the website of the CEU Food and Society Institute:

https://ias.ceu.es.

Limitations

The regular introduction of new products, reformulations and discontinuations by the food industry and distribution chains makes it a constant challenge to ensure that the information in the database accurately reflects the current supply in the food market.

Therefore, it cannot be guaranteed that the information contained in this Database is always completely up to date.

The CEU Food and Society Institute of the CEU San Pablo University has set up an email address available to the food processing and distribution industry, so that they can notify any change or reformulation of their products.



Results

Current picture

Energy content

The different groups of foods and beverages analyzed according to the WHO-Europe classification ranged from 40 to 744 kcal/100 g or 100 mL.

Fat

As expected, the group with the highest amount of fat per 100 g or 100 mL is the "Butter, other similar fats and oils" group, followed by "Chocolate and sugar confectionery, energy bars, desserts and sweet toppings" and by "Salty snacks".

Saturated fat

And, therefore, the "Butter, other fats and similar oils" group contributes the most saturated fats, followed by the "Cheese" group and the "Chocolate and sugar confectionery, energy bars, desserts and sweet toppings" group.

Carbohydrate

The groups "Pasta, noodles, rice and other cereals: fresh or dried", "Breakfast cereals" and "Savory snacks" provide the most carbohydrates.

Total sugars

However, those that provide the highest amount of total sugars per 100 g or 100 mL are the groups of "Chocolate and sugar confectionery, energy bars, desserts, and sweet toppings", "Ice cream, ice cream and sorbets" and "Cakes, cookies, and pastries; other bakery wares and sweet pastries; baking powders".

Protein

In terms of protein content, the group that contributes the most is the "Cheese" group, followed by "Meat, fish, and similar", both fresh, frozen, and processed.

Salt

Finally, it should be noted that the group of "Meat, fish and similar: processed" is the one that provides the highest amount of salt per 100g or 100 mL, followed by "Salted snacks" and "Cheese".

Table 3. Foods and beverages nutritional information according to WHO-Europe classification

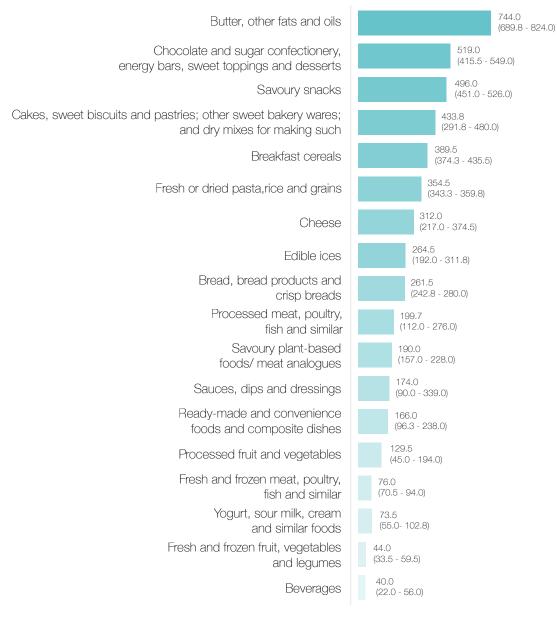
per 100 g or 100 mL

| | | | | | | 1 0 | |
|---|--------------------------|-----------------------|----------------------------|-----------------------|------------------------|--------------------|--------------------|
| | Energy (kcal) | Fat (g) | Of which, saturates (g) | Carbohydrate (g) | Of which sugars (g) | Protein (g) | Salt (g) |
| Chocolate and sugar confectionery, energy bars, sweet toppings and desserts | 519.0 (415.5 - 549.0) | 29.8 (14.9 - 35.0) | 11.0 (3.0 - 18.0) | 56.0 (44.7 - 65.0) | 44.0 (25.0 - 53.0) | 6.6 (4.4 - 9.0) | 0.1 (0.0 - 0.3) |
| Cakes, sweet biscuits and pastries; other sweet bakery wares; dry mixes for making such | 433.8 (291.8 - 480.0) | 18.0 (8.8 - 24.0) | 5.2 (2.2 - 12.0) | 56.0 (38.8 - 64.0) | 22.0 (16.0 - 31.0) | 5.5 (4.0 - 6.7) | 0.5 (0.2 - 0.8) |
| Savoury snacks | 496.0 | 25.0 | 3.0 | 58.0 | 2.6 | 7.3 | 1.5 |
| | (451.0 - 526.0) | (17.0 - 31.0) | (2.1 - 4.5) | (51.0 - 65.9) | (1.2 - 4.5) | (6.0 - 12.0) | (1.1 - 2.0) |
| Beverages | 40.0 | 0.3 | 0.1 | 5.7 | 4.9 | 0.5 | 0.1 |
| | (22.0 - 56.0) | (0.0 – 1.6) | (0.0 – 5.0) | (4.2- 10.0) | (3.0 – 8.8) | (0.1 – 3.1) | (0.0 – 0.1) |
| Edible ices | 264.5 | 13.0 | 8.4 | 27.7 | 23.2 | 3.5 | 0.2 |
| | (192.0 - 311.8) | (9.2 - 17.3) | (6.1 - 11.9) | (23.0 - 34.0) | (19.1 - 26.0) | (2.4 - 4.1) | (0.1 - 0.2) |
| Breakfast cereals | 389.5 | 5.9 | 1.3 | 70.0 | 18.0 | 8.0 | 0.6 |
| | (374.3 - 435.5) | (2.3 - 14.4) | (0.5 - 3.9) | (62.3 - 79.8) | (7.6 - 25.0) | (6.8 - 10.0) | (0.2 - 0.8) |
| Yogurt, sour milk, cream and similar foods | 73.5 | 2.2 | 1.3 | 8.4 | 7.5 | 3.5 | 0.1 |
| | (55.0- 102.8) | (0.5 - 4.1) | (0.2 - 2.7) | (5.0 - 12.0) | (4.2 - 11.3) | (2.9 - 4.4) | (0.1 - 0.2) |
| Cheese | 312.0 | 25.0 | 17.0 | 1.6 | 0.7 | 20.0 | 1.4 |
| | (217.0 - 374.5) | (16.0 - 31.0) | (10.2 - 21.0) | (0.5 - 3.5) | (0.5 - 3.0) | (12.0 - 25.0) | (1.0 - 1.8) |
| Ready-made and convenience foods and composite dishes | 166.0 | 7.0 | 1.7 | 14.0 | 1.9 | 6.3 | 1.0 |
| | (96.3 - 238.0) | (3.0 - 10.0) | (0.6 - 3.4) | (6.5 - 27.4) | (0.8 - 3.3) | (3.4 - 10.0) | (0.8 - 1.3) |
| Butter, other fats and oils | 744.0 | 82.0 | 26.2 | 0.5 | 0.4 | 0.4 | 0.0 |
| | (689.8 - 824.0) | (76.3 - 91.6) | (14.0 - 55.0) | (0.0 - 0.5) | (0.0 - 0.5) | (0.0 - 0.7) | (0.0 - 0.7) |
| Bread, bread products and crisp breads | 261.5 | 4.2 | 0.7 | 45.0 | 4.3 | 9.0 | 1.1 |
| | (242.8 - 280.0) | (3.0 - 6.2) | (0.5 - 1.1) | (40.7 - 49.3) | (3.0 - 6.7) | (5.4 - 9.7) | (1.0 - 1.2) |
| Fresh or dried pasta, rice and grains | 354.5 | 1.9 | 0.4 | 72.0 | 3.0 | 12.0 | 0.0 |
| | (343.3 - 359.8) | (1.5 - 2.7) | (0.3 - 0.6) | (64.3 - 74.0) | (0.9 - 3.5) | (9.1 - 12.0) | (0.0 - 0.1) |
| Fresh and frozen meat, poultry, | 76.0 | 0.9 | 0.2 | 0.0 | 0.0 | 17.0 | 0.3 |
| fish and similar | (70.5 - 94.0) | (0.5 - 1.9) | (0.1 - 0.4) | (0.0 - 1.0) | (0.0 - 0.0) | (15.4 - 18.5) | (0.2 - 0.6) |
| Processed meat, poultry, fish and similar | 199.7 | 12.0 | 2.5 | 1.4 | 0.6 | 17.5 | 1.9 |
| | (112.0 - 276.0) | (3.5 - 22.0) | (0.9 - 6.2) | (0.5 - 3.9) | (0.3 - 1.3) | (13.0 - 21.2) | (1.3 - 2.3) |
| Fresh and frozen fruit, | 44.0 | 0.4 | 0.1 | 5.5 | 2.2 | 2.6 | 0.1 |
| vegetables and legumes | (33.5 - 59.5) | (0.3 - 0.9) | (0.0 - 0.2) | (4.3 - 7.6) | (1.4 - 2.8) | (1.8 - 3.5) | (0.0 - 0.2) |
| Processed fruit and vegetables | 129.5 | 0.3 | 0.0 | 12.9 | 4.5 | 1.0 | 0.1 |
| | (45.0 - 194.0) | (0.0 - 1.4) | (0.0 - 0.3) | (4.2 - 47.0) | (0.7 - 41.0) | (0.5 - 2.4) | (0.0 - 0.9) |
| Savoury plant-based food/ | 190.0 | 9.2 | 1.3 | 12.0 | 1.0 | 12.0 | 1.2 |
| meat analogues | (157.0 - 228.0) | (6.5 - 13.0) | (0.9 - 1.8) | (4.0 - 19.0) | (0.5 - 1.9) | 8.9 - 17.0) | (0.8 - 1.5) |
| Sauces, dips and dressings | 174.0 | 8.9 | 1.8 | 7.7 | 4.4 | 1.5 | 1.2 |
| | (90.0 - 339.0) | (2.6 - 33.0) | (0.2 - 5.8) | (4.5 - 14.0) | (2.0 - 8.5) | (0.9 - 3.0) | (0.9 - 1.8) |
| | | | | | | | |

>> Energy

Figure 1. Energy content by food and beverage groups according to WHO-Europe classification

per 100 g or 100 mL



Energy (kcal) per 100 g or 100 mL.

Figure 2. Fat content by food and beverage groups according to WHO-Europe classification

per 100 g or 100 mL

82.0 Butter, other fats and oils (76.3 - 91.6) Chocolate and sugar confectionery, energy 29.8 (14.9 - 35.0) bars, sweet toppings and desserts 25.0 (17.0 - 31.0) Savoury snacks 25.0 Cheese (16.0 - 31.0) Cakes, sweet biscuits and pastries; other sweet bakery wares; 18.0 (8.8 - 24.0) and dry mixes for making such 13.0 Edible ices (9.2 - 17.3) Processed meat, poultry, 12.0 fish and similar (3.5 - 22.0) 9.2 Savoury plant-based (6.5 - 13.0) foods/ meat analogues 8.9 Sauces, dips and dressings (2.6 - 33.0) Ready-made and convenience 7.0 (3.0 - 10.0) foods and composite dishes 5.9 (2.3 - 14.4) Breakfast cereals Bread, bread products and 4.2 (3.0 - 6.2) crisp breads 2.2 Yogurt, sour milk, cream (0.5 - 4.1) and similar foods 1.9 Fresh or dried pasta,rice and grains (1.5 - 2.7) Fresh and frozen meat, poultry, 0.9 (0.5 - 1.9) fish and similar Fresh and frozen fruit, vegetables 0.4 (0.3 - 0.9) and legumes 0.3 Beverages (0.0 - 1.6) 0.3 Processed fruit and vegetables (0.0 - 1.4)

Fat (g) per 100 g or 100 mL.

Data are presented as median (interquartile range).

>> Fat

\gg Saturated fat

Figure 3. Saturated fat content by food and beverage groups according to WHO-Europe classification

per 100 g or 100 mL

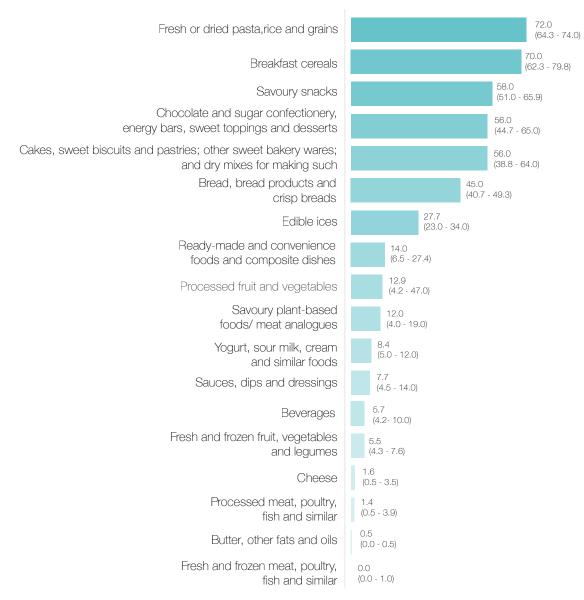
| Butter, other fats and oils | 26.2 (14.0 - 55.0) |
|--|-----------------------|
| Cheese | 17.0 (10.2 - 21.0) |
| Chocolate and sugar confectionery, energy bars, sweet toppings and desserts | 11.0 (3.0 - 18.0) |
| Edible ices | 8.4 (6.1 - 11.9) |
| Cakes, sweet biscuits and pastries; other sweet bakery wares; and dry mixes for making such | 5.2 (2.2 - 12.0) |
| Savoury snacks | 3.0 (2.1 - 4.5) |
| Processed meat, poultry, fish and similar | 2.5 (0.9 - 6.2) |
| Sauces, dips and dressings | 1.8 (0.2 - 5.8) |
| Ready-made and convenience foods and composite dishes | 1.7 (0.6 - 3.4) |
| Breakfast cereals | 1.3 (0.5 - 3.9) |
| Yogurt, sour milk, cream and similar foods | 1.3 (0.2 - 2.7) |
| Savoury plant-based foods/ meat analogues | 1.3 (0.9 - 1.8) |
| Bread, bread products and crisp breads | 0.7 (0.5 - 1.1) |
| Fresh or dried pasta, rice and grains | 0.4 (0.3 - 0.6) |
| Fresh and frozen meat, poultry, fish and similar | 0.2 (0.1 - 0.4) |
| Beverages | 0.1 (0.0 - 5.0) |
| Fresh and frozen fruit, vegetables and legumes | 0.1 (0.0 - 0.2) |
| Processed fruit and vegetables | 0.0 (0.0 - 0.3) |

Saturated fats (g) per 100 g or 100 mL.

>> Carbohydrate

Figure 4. Carbohydrate content by food and beverage groups according to WHO-Europe classification

per 100 g or 100 mL

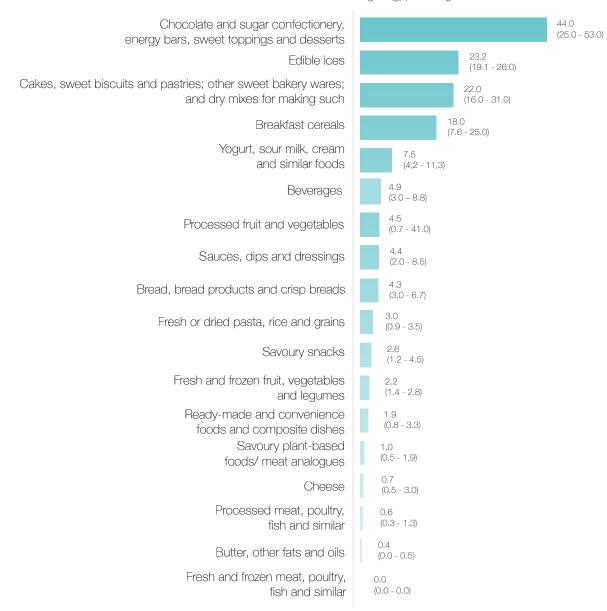


Carbohydrate (g) per 100 g or 100 mL.



Figure 5. Total sugar content by food and beverage groups according to WHO-Europe classification

per 100 g or 100 mL $\,$



Sugars (g) per 100 g or 100 mL.

>>> Protein

Figure 6. Protein content by food and beverage groups according to WHO-Europe classification

per 100 g or 100 mL

| Cheese | 20.0 (12.0 - 25.0) |
|--|-----------------------|
| Processed meat, poultry, fish and similar | 17.5 (13.0 - 21.2) |
| Fresh and frozen meat, poultry, fish and similar | 17.0 (15.4 - 18.5) |
| Savoury plant-based foods/ meat analogues | 12.0 (8.9 - 17.0) |
| Fresh or dried pasta, rice and grains | 12.0 (9.1 - 12.0) |
| Bread, bread products and crisp breads | 9.0 (5.4 - 9.7) |
| Breakfast cereals | 8.0 (6.8 - 10.0) |
| Savoury snacks | 7.3 (6.0 - 12.0) |
| Chocolate and sugar confectionery, energy bars, sweet toppings and desserts | 6.6 (4.4 - 9.0) |
| Ready-made and convenience foods and composite dishes | 6.3 (3.4 - 10.0) |
| Cakes, sweet biscuits and pastries; other sweet bakery wares; and dry mixes for making such | 5,5 (4.0 - 6.7) |
| Edible ices | 3.5 (2.4 - 4.1) |
| Yogurt, sour milk, cream and similar foods | 3.5 (2.9 - 4.4) |
| Fresh and frozen fruit, vegetables and legumes | 2.6 (1.8 - 3.5) |
| Sauces, dips and dressings | 1.5 (0.9 - 3.0) |
| Processed fruit and vegetables | 1.0 (0.5 - 2.4) |
| Beverages | 0.5 (0.1 – 3.1) |
| Butter, other fats and oils | 0.4 (0.0 - 0.7) |

Protein (g) per 100 g or 100 mL.

Figure 7. Salt content by food and beverage groups according to WHO-Europe classification

per 100 g or 100 mL

| Processed meat, poultry, fish and similar | 1.9 (1.3 - 2.3) |
|--|--------------------|
| Savoury snacks | 1.5 (1.1 - 2.0) |
| Cheese | 1.4 (1.0 - 1.8) |
| Sauces, dips and dressings | 1.2 (0.9 - 1.8) |
| Savoury plant-based foods/ meat analogues | 1.2 (0.8 - 1.5) |
| Bread, bread products and crisp breads | 1.1 (1.0 - 1.2) |
| Ready-made and convenience foods and composite dishes | 1.0 (0.8 - 1.3) |
| Breakfast cereals | 0.6 (0.2 - 0.8) |
| Cakes, sweet biscuits and pastries; other sweet bakery wares; and dry mixes for making such | 0.5 (0.2 - 0.8) |
| Fresh and frozen meat, poultry, fish and similar | 0.3 (0.2 - 0.6) |
| Edible ices | 0.2 (0.1 - 0.2) |
| Processed fruit and vegetables | 0.1 (0.0 - 0.9) |
| Fresh and frozen fruit, vegetables and legumes | 0.1 (0.0 - 0.2) |
| Yogurt, sour milk, cream and similar foods | 0.1 (0.1 - 0.2) |
| Chocolate and sugar confectionery, energy bars, sweet toppings and desserts | 0.1 (0.0 - 0.3) |
| Beverages | 0.1 (0.0 - 0.1) |
| Butter, other fats and oils | 0.0 (0.0 - 0.7) |
| Fresh or dried pasta, rice and grains | 0.0 (0.0 - 0.1) |

Salt (g) per 100 g or 100 mL.

Table 4. Nutritional information: Chocolate and sugar confectionery, energy bars, sweet toppings and desserts per 100 g or 100 mL.

| | Energy (kcal) | Fat (g) | Of which, saturates (g) | Carbohydrate (g) | Of which sugars (g) | Protein (g) | Salt (g) |
|---|--------------------------|-----------------------|----------------------------|-----------------------|------------------------|--------------------|-------------------|
| Chocolate and sugar confectionery, energy bars, sweet toppings and desserts | 519.0 (415.5 - 549.0) | 29.8 (14.9 - 35.0) | 11.0 (3.0 - 18.0) | 56.0 (44.7 - 65.0) | 44.0 (25.0 - 53.0) | 6.6 (4.4 - 9.0) | 0.1 (0.0 - 0.3 |
| Table sugar | 396.0 | 0.0 | 0.0 | 95.0 | 95.0 | 0.0 | 0.0 |
| | (380.0 - 400.0) | (0.0 - 1.9) | (0.0 - 0.0) | (93.0 - 100.0) | (93.0 - 100.0) | (0.0 - 0.4) | (0.0 - 0.0) |
| Granola and cereal-type bars | 467.0 | 19.0 | 8.6 | 61.0 | 24.5 | 7.1 | 0.4 |
| | (418.0 - 509.3) | (15.0 - 28.6) | (5.0 - 11.2) | (44.0 - 67.0) | (15.8 - 32.2) | (6.1 - 9.3) | (0.1 - 0.6) |
| Sugar confectionery | 365.0 | 1.7 | 1.3 | 70.1 | 45.5 | 3.5 | 0.0 |
| | (319.3 - 484.3) | (0.5 - 27.7) | (0.1 - 3.1) | (50.8 - 83.0) | (6.2 - 57.0) | (0.1 - 7.4) | (0.0 - 0.1) |
| Chocolate confectionery | 545.0 | 33.0 | 17.2 | 52.0 | 47.0 | 7.3 | 0.1 |
| | (521.0 - 565.0) | (29.5 - 38.0) | (15.0 - 21.0) | (41.9 - 57.0) | (35.0 - 52.0) | (5.9 - 9.2) | (0.0 - 0.3) |
| Nut butters | - | - | - | - | - | - | - |
| Spreadable chocolate and other sweet sandwich toppings | 540.5 | 31.0 | 5.8 | 57.0 | 52.6 | 4.6 | 0.1 |
| | (511.8 - 549.3) | (29.0 - 33.0) | (4.7 - 7.7) | (52.0 - 61.5) | (7.5 - 56.8) | (4.2 - 7.1) | (0.0 - 0.2) |
| | | | | | | | |

Data are presented as median (interquartile range). - Data not available.

Table 5. Nutritional information: Cakes, sweet biscuits and pastries; other sweet bakery wares; and dry mixes for making such per 100 g or 100 mL.

| | Energy (kcal) | Fat (g) | Of which, saturates (g) | Carbohydrate (g) | Of which sugars (g) | Protein (g) | Salt (g) |
|--|--------------------------|----------------------|----------------------------|-----------------------|------------------------|--------------------|--------------------|
| Cakes, sweet biscuits and pastries; other sweet bakery wares; and dry mixes for making such | 433.8 (291.8 - 480.0) | 18.0 (8.8 - 24.0) | 5.2 (2.2 - 12.0) | 56.0 (38.8 - 64.0) | 22.0 (16.0 - 31.0) | 5.5 (4.0 - 6.7) | 0.5 (0.2 - 0.8) |
| Baked and cooked desserts | 473.0 | 19.0 | 7.7 | 65.5 | 24.0 | 6.5 | 0.7 |
| | (449.0 - 499.0) | (16.0 - 24.0) | (2.1 - 12.3) | (62.0 - 69.5) | (18.0 - 32.9) | (5.7 - 7.2) | (0.5 - 0.9) |
| Dry mixes for making such | 503.5 | 28.0 | 13.0 | 56.0 | 25.0 | 5.7 | 0.5 |
| | (446.3 - 525.0) | (23.8 - 30.0) | (10.0 - 17.0) | (49.0 - 60.3) | (12.8 - 34.0) | (3.8 - 6.8) | (0.3 - 0.8) |
| Tofu-based desserts and other plant-based desserts | 96.0 | 2.3 | 0.6 | 14.5 | 11.0 | 3.2 | 0.1 |
| | (85.0 -109.0) | (2.1 - 3.0) | (0.3 - 1.0) | (12.0 - 18.0) | (7.0 - 15.0) | (1.0 - 3.6) | (0.1 - 0.1) |
| Cakes and sponges | 136.0 | 4.0 | 2.4 | 20.0 | 16.2 | 3.5 | 0.2 |
| | (108.5 - 174.3) | (2.6 - 7.0) | (1.4 - 4.6) | (17.0 - 23.9) | (13.9 - 20.0) | (2.9 - 4.8) | (0.1 - 0.2) |
| Pies and pastries | - | - | - | - | - | - | - |
| Cookies/sweet biscuits | 348.5 | 18.0 | 2.4 | 40.0 | 3.6 | 5.8 | 1.2 |
| | (198.8 - 403.0) | (5.6 - 23.6) | (0.7 - 3.1) | (32.3 - 41.1) | (1.7 - 11.6) | (4.1 - 6.0) | (0.9 - 1.4) |
| Pancakes, waffles and French toast | 414.0 | 20.0 | 7.2 | 52.0 | 28.0 | 5.3 | 0.6 |
| | (369.5 - 447.5) | (14.5 - 24.0) | (3.8 - 12.0) | (48.0 - 56.1) | (22.0 - 34.0) | (4.4 - 6.0) | (0.4 - 0.8) |
| Scones and soda bread | - | - | - | - | - | - | - |

Data are presented as median (interquartile range). - Data not available.

| | Energy (kcal) | Fat (g) | Of which, saturates (g) | Carbohydrate (g) | Of which sugars (g) | Protein (g) | Salt (g) |
|-----------------------------------|-----------------|---------------|----------------------------|---------------------|------------------------|---------------|-------------|
| Savoury snacks | 496.0 | 25.0 | 3.0 | 58.0 | 2.6 | 7.3 | 1.5 |
| | (451.0 - 526.0) | (17.0 - 31.0) | (2.1 - 4.5) | (51.0 - 65.9) | (1.2 - 4.5) | (6.0 - 12.0) | (1.1 - 2.0) |
| Potato, vegetable and grain chips | 516.0 | 30.8 | 3.3 | 52.5 | 1.0 | 6.2 | 1.2 |
| | (504.8 - 528.0) | (28.6 - 32.0) | (3.0 - 3.5) | (50.8 - 54.1) | (0.5 - 2.3) | (6.0 - 6.5) | (1.0 - 1.4) |
| Crackers/savoury biscuits | 427.5 | 12.0 | 1.7 | 64.8 | 2.7 | 10.0 | 1.7 |
| | (380.5 - 482.0) | (5.0 - 21.0) | (0.7 - 3.0) | (59.8 - 72.2) | (1.7 - 5.1) | (7.7 - 12.0) | (1.3 - 2.1) |
| Nuts, seeds and kernels | 567.0 | 43.7 | 5.0 | 12.8 | 3.4 | 18.2 | 1.4 |
| | (484.8 - 623.8) | (27.3 - 54.0) | (3.6 - 6.4) | (4.9 - 47.0) | (2.3 - 5.3) | (12.0 - 24.0) | (0.1 - 2.0 |
| Extruded snacks | 494.0 | 25.0 | 2.9 | 61.2 | 2.5 | 6.0 | 1.5 |
| | (464.5 - 519.0) | (18.0 - 28.0) | (2.1 - 3.4) | (57.0 - 68.4) | (1.2 - 4.1) | (5.1 - 6.9) | (1.2 - 2.1) |
| Savoury pretzels | - | - | - | - | - | - | - |

Table 6. Nutritional information: Savoury snacks per 100 g or 100 mL.

Data are presented as median (interquartile range). - Data not available.

Table 7. Nutritional information: Beverages per 100 g or 100 mL.

| Energy (kcal) | Fat (g) | Of which, saturates (g) | Carbohydrate (g) | Of which sugars (g) | Protein (g) | Salt (g) |
|----------------|--|---|--|--|--|--|
| 40.0 | 0.3 | 0.1 | 5.7 | 4.9 | 0.5 | 0.1 |
| (22.0 - 56.0) | (0.0 – 1.6) | (0.0 – 5.0) | (4.2- 10.0) | (3.0 – 8.8) | (0.1 – 3.1) | (0.0 – 0.1) |
| 44.0 | 0.1 | 0.0 | 10.0 | 9.7 | 0.6 | 0.0 |
| (40.3 - 50.0) | (0.0 – 0.1) | (0.0 - 0.0) | (9.0 – 11.4) | (8.6 - 10.9) | (0.4 – 0.7) | (0.0 – 0.0) |
| 44.0 | 0.1 | 0.0 | 10.0 | 9.6 | 0.6 | 0.0 |
| (40.0 - 50.0) | (0.0 – 0.1) | (0.0 - 0.0) | (8.9 – 11.3) | (8.6 – 10.8) | (0.4 – 0.7) | (0.0 – 1.0) |
| 72.5 | 0.0 | 0.0 | 16.7 | 15.7 | 0.6 | 0.0 |
| (48.0 -103.0) | (0.0 - 0.0) | (0.0 - 0.0) | (11.0 – 22.5) | (10.2 – 19.8) | (0.5 – 1.1) | (0.0 – 0.1) |
| 56.0 | 1.6 | 1.0 | 4.9 | 4.8 | 3.2 | 0.1 |
| (44.0 - 67.0) | (0.5 – 2.5) | (0.3 – 1.5) | (4.7 – 8.9) | (4.7 – 8.5) | (3.0 – 3.5) | (0.1 – 0.2) |
| 46.0 | 1.6 | 1.0 | 4.8 | 4.7 | 3.2 | 0.1 |
| (35.5 - 63.0) | (0.3 - 3.5) | (0.2- 2.2) | (4.7- 4.8) | (4.7 – 4.8) | (3.1 – 3.8) | (0.1 - 0.1) |
| 65.0 | 1.5 | 1.0 | 8.9 | 8.5 | 3.0 | 0.1 |
| (55.8 - 71.0) | (1.1 – 2.4) | (0.7 – 1.4) | (5.8 - 10.0) | (5.4 – 10.0) | (2.8 – 3.4) | (0.1 – 0.2 |
| 46.0 | 1.7 | 0.2 | 7.0 | 4.8 | 0.9 | 0.1 |
| (34.5 - 60.0) | (1.0 – 2.1) | (0.1 – 0.3) | (3.0 - 10.0) | (1.7 – 6.4) | (0.5 – 3.1) | (0.1 – 1.2 |
| 45.5 | 1.7 | 0.2 | 6.7 | 4.0 | 0.8 | 0.1 |
| (32.8 - 56.0) | (1.0 – 2.1) | (0.1 – 0.3) | (2.6 – 10.0) | (1.4 – 6.0) | (0.5 – 2.2) | (0.1 – 0.1 |
| 61.0 | 1.7 | 0.3 | 8.1 | 5.8 | 1.2 | 0.1 |
| (50.0 - 67.0) | (0.9 - 2.1) | (0.1 - 0.4) | (5.3 - 10.0) | (4.9 - 7.6) | (0.7 - 3.3) | (0.1 - 0.2) |
| 40.5 | 0.0 | 0.0 | 10.2 | 9.2 | 0.0 | 0.1 |
| (3.0 - 46.0) | (0.0 - 0.0) | (0.0 - 0.0) | (0.9 - 11.8) | (0.0 - 11.0) | (0.0 - 0.0) | (0.1 – 0.2 |
| 25.0 | 0.0 | 0.0 | 5.0 | 4.5 | 0.1 | 0.0 |
| (12.0 - 45.0) | (0.0 – 0.5) | (0.0 – 0.1) | (1.7 – 8.8) | (0.7 – 7.9) | (0.0 – 0.5) | (0.0 – 0.0) |
| 21.0 | 0.0 | 0.0 | 4.8 | 4.6 | 0.0 | 0.0 |
| (6.0 - 32.0) | (0.0 - 0.0) | (0.0 - 0.0) | (1.2 - 7.3) | (1.2 - 7.1) | (0.0 - 0.3) | (0.0 – 0.1 |
| 117.5 | 1.8 | 1.1 | 6.0 | 3.0 | 3.9 | 0.1 |
| (12.8 - 374.0) | (0.1 - 8.9) | (0.1- 5.2) | (0.5 - 46.8) | (4.5 - 28.7) | (0.5 - 11.2) | (0.0 - 0.2 |
| 45.0 | 0.1 | 0.0 | 10.1 | 9.3 | 0.3 | 0.0 |
| (24.0 - 51.0) | (0.1 - 0.5) | (0.0 - 0.0) | (5.4 - 12.0) | (5 0- 11 8) | | (0.0 - 0.0) |
| | 40.0 (22.0 - 56.0) (44.0 (40.3 - 50.0) (44.0 - 50.0) (48.0 - 103.0) (56.0 (44.0 - 67.0) (35.5 - 63.0) (35.5 - 63.0) (35.5 - 63.0) (34.5 - 60.0) (34.5 - 60.0) (34.5 - 60.0) (32.8 - 56.0) (32.8 - 56.0) (32.8 - 56.0) (32.8 - 56.0) (32.8 - 36.0) (32.0 - 47.0) (30.0 - 47.0) (25.0 (12.0 - 45.0) (21.0 (6.0 - 32.0) (21.0 (6.0 - 32.0) (32.8 - 374.0) (45.0 | 40.0 0.3 (22.0 - 56.0) (0.0 - 1.6) 44.0 0.1 (40.3 - 50.0) (0.0 - 0.1) 44.0 0.1 (40.0 - 50.0) (0.0 - 0.1) 44.0 0.1 (40.0 - 50.0) (0.0 - 0.1) (40.0 - 50.0) (0.0 - 0.1) (48.0 - 103.0) (0.5 - 2.5) (46.0 1.6 (35.5 - 63.0) (1.5 - 2.5) 46.0 1.6 (35.5 - 63.0) (1.1 - 2.4) 46.0 1.7 (34.5 - 60.0) 1.7 (32.8 - 56.0) 1.7 (50.0 - 67.0) (0.9 - 2.1) 45.5 1.7 (50.0 - 67.0) (0.0 - 0.0) (3.0 - 46.0) (0.0 - 0.0) (25.0 0.0 (12.0 - 45.0) 0.00 (21.0 0.0 (6.0 - 32.0) (0.0 - 0.0) 117.5 1.8 (12.8 - 374.0) 0.1 | 40.0 0.3 0.1 (22.0 - 56.0) $(0.0 - 1.6)$ $(0.0 - 5.0)$ 44.0 0.1 0.0 (40.3 - 50.0) $(0.0 - 0.1)$ $(0.0 - 0.0)$ 44.0 0.1 0.0 (40.0 - 50.0) $(0.0 - 0.1)$ $(0.0 - 0.0)$ 44.0 0.1 0.0 (40.0 - 50.0) $(0.0 - 0.1)$ $(0.0 - 0.0)$ 72.5 0.0 0.0 (48.0 - 103.0) $(0.0 - 0.0)$ $(0.0 - 0.0)$ 56.0 1.6 1.0 (44.0 - 67.0) $(0.5 - 2.5)$ $(0.3 - 1.5)$ 46.0 1.6 1.0 (35.5 - 63.0) $(0.3 - 3.5)$ $(0.2 - 2.2)$ 65.0 1.5 1.0 (55.8 - 71.0) $(1.1 - 2.4)$ $(0.7 - 1.4)$ 46.0 1.7 0.2 (34.5 - 60.0) $(1.0 - 2.1)$ $(0.1 - 0.3)$ 45.5 1.7 0.2 (32.8 - 56.0) $(1.0 - 2.1)$ $(0.1 - 0.4)$ 40.5 0.0 0.0 0.0 <td>Energy (kca)Fat (g)Orwnon, saturates (g)(g)$40.0$$0.3$$0.1$$5.7$$(22.0 - 56.0)$$(0.0 - 1.6)$$(0.0 - 5.0)$$(4.2 - 10.0)$$44.0$$0.1$$0.0$$10.0$$(40.3 - 50.0)$$(0.0 - 0.1)$$(0.0 - 0.0)$$(9.0 - 11.4)$$44.0$$0.1$$0.0$$10.0$$(40.0 - 50.0)$$(0.0 - 0.1)$$(0.0 - 0.0)$$(8.9 - 11.3)$$72.5$$0.0$$0.0$$16.7$$(48.0 - 103.0)$$(0.0 - 0.0)$$(0.0 - 0.0)$$(11.0 - 22.5)$$56.0$$1.6$$1.0$$4.9$$(44.0 - 67.0)$$(0.5 - 2.5)$$(0.3 - 1.5)$$(4.7 - 8.9)$$46.0$$1.6$$1.0$$4.8$$(35.5 - 63.0)$$(0.3 - 3.5)$$(0.2 - 2.2)$$(4.7 - 4.8)$$65.0$$1.5$$1.0$$8.9$$(55.8 - 71.0)$$(1.1 - 2.4)$$(0.7 - 1.4)$$(5.8 - 10.0)$$46.0$$1.7$$0.2$$7.0$$(34.5 - 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2.2)$ <t< td=""></t<> |

| | Energy (kcal) | Fat (g) | Of which, saturates (g) | Carbohydrate (g) | Of which sugars (g) | Protein (g) | Salt (g) |
|----------------------------------|-----------------|---------------|----------------------------|---------------------|------------------------|-------------|-------------|
| Edible ices | 264.5 | 13.0 | 8.4 | 27.7 | 23.2 | 3.5 | 0.2 |
| | (192.0 - 311.8) | (9.2 - 17.3) | (6.1 - 11.9) | (23.0 - 34.0) | (19.1 - 26.0) | (2.4 - 4.1) | (0.1 - 0.2) |
| Water-based ices | 85.0 | 0.2 | 0.1 | 20.0 | 17.0 | 0.1 | 0.0 |
| | (74.0 - 91.0) | (0.0 - 0.8) | (0.0 - 0.7) | (18.3 - 22.0) | (16.0 - 20.5) | (0.0 - 0.5) | (0.0 - 0.0) |
| Dairy and plant-based ice creams | 272.0 | 14.0 | 8.9 | 29.0 | 23.5 | 3.7 | 0.2 |
| | (200.0 - 314.0) | (10.0 - 18.0) | (6.9 - 12.0) | (24.0 - 34.0) | (20.0 - 26.0) | (2.6 - 4.2) | (0.1 - 0.3) |

Table 8. Nutritional information: Edible ices per 100 g or 100 mL.

Data are presented as median (interquartile range).

Table 9. Nutritional information: Breakfast cereals per 100 g or 100 mL.

| | Energy (kcal) | Fat (g) | Of which, saturates (g) | Carbohydrate (g) | Of which sugars (g) | Protein (g) | Salt (g) |
|---------------------------------------|-----------------|--------------|----------------------------|---------------------|------------------------|--------------|-------------|
| Breakfast cereals | 389.5 | 5.9 | 1.3 | 70.0 | 18.0 | 8.0 | 0.6 |
| | (374.3 - 435.5) | (2.3 - 14.4) | (0.5 - 3.9) | (62.3 - 79.8) | (7.6 - 25.0) | (6.8 - 10.0) | (0.2 - 0.8) |
| Minimally processed breakfast cereals | 367.0 | 4.8 | 1.0 | 64.0 | 1.2 | 12.0 | 0.0 |
| | (357.0 - 374.0) | (1.4 - 8.0) | (0.2 - 1.3) | (58.0 - 78.0) | (1.0 - 4.4) | (7.4 - 13.0) | (0.0 - 0.3) |
| Highly processed breakfast cereals | 398.0 | 6.1 | 1.8 | 70.0 | 20.2 | 7.9 | 0.7 |
| | (379.5 - 448.5) | (2.5 - 15.0) | (0.6 - 4.0) | (63.7 - 80.0) | (14.0 - 25.5) | (6.8 - 9.1) | (0.3 - 0.8) |

Data are presented as median (interquartile range).

Table 10. Nutritional information: Yogurt, sour milk, cream and similar foods per 100 g or 100 mL.

| | Energy (kcal) | Fat (g) | Of which, saturates (g) | Carbohydrate (g) | Of which sugars (g) | Protein (g) | Salt (g) |
|---|------------------------|--------------------|----------------------------|----------------------|------------------------|--------------------|--------------------|
| Yogurt, sour milk, cream and similar foods | 73.5 | 2.2 | 1.3 | 8.4 | 7.5 | 3.5 | 0.1 |
| | (55.0- 102.8) | (0.5 - 4.1) | (0.2 - 2.7) | (5.0 - 12.0) | (4.2 - 11.3) | (2.9 - 4.4) | (0.1 - 0.2) |
| Cream | 291.0 | 28.0 | 18.5 | 5.0 | 3.7 | 2.3 | 0.1 |
| | (193.0 - 335.0) | (18.0 - 35.0) | (12.0 - 22.0) | (3.0 - 7.5) | (3.0 - 5.5) | (2.0 - 2.5) | (0.1 - 0.1) |
| Yogurt products containing additional ingredients | 77.0 (56.3 - 108.0) | 2.1 (0.5 - 3.5) | 1.0 (0.1 - 2.4) | 11.0 (6.3 - 13.7) | 10.0 (5.8 - 12.8) | 3.6 (2.8 - 4.4) | 0.1 (0.1 - 0.2) |
| Yogurts and sour milks | 65.0 | 2.1 | 1.3 | 5.6 | 5.3 | 3.7 | 0.1 |
| | (49.0 - 78.0) | (0.4 - 3.5) | (0.1 - 2.3) | (4.2 - 10.0) | (3.9 - 10.0) | (3.1 - 4.6) | (0.1 - 0.2) |

| | Energy (kcal) | Fat (g) | Of which, saturates (g) | Carbohydrate (g) | Of which sugars (g) | Protein (g) | Salt (g) |
|-------------------------------|-----------------|---------------|----------------------------|---------------------|------------------------|---------------|-------------|
| Cheese | 312.0 | 25.0 | 17.0 | 1.6 | 0.7 | 20.0 | 1.4 |
| | (217.0 - 374.5) | (16.0 - 31.0) | (10.2 - 21.0) | (0.5 - 3.5) | (0.5 - 3.0) | (12.0 - 25.0) | (1.0 - 1.8) |
| Hard, medium and soft cheeses | 328.0 | 26.0 | 18.0 | 1.4 | 0.5 | 22.0 | 1.3 |
| | (210.3 - 384.6) | (15.9 - 32.0) | (10.0 - 22.0) | (0.5 - 3.1) | (0.5 - 2.8) | (12.2 - 25.0) | (0.9 - 1.7) |
| Processed cheeses | 262.0 | 21.5 | 14.0 | 3.0 | 2.0 | 13.0 | 1.8 |
| | (218.0 - 307.0) | (16.5 - 26.0) | (11.0 - 17.0) | (1.6 - 5.6) | (0.5 - 4.9) | (12.0 - 17.0) | (1.3 - 2.3) |

Table 11. Nutritional information: Cheese per 100 g or 100 mL.

Data are presented as median (interquartile range).

Table 12. Nutritional information: Ready-made and convenience foods and composite dishes per 100 g or 100 mL.

| | Energy (kcal) | Fat (g) | Of which, saturates (g) | Carbohydrate (g) | Of which sugars (g) | Protein (g) | Salt (g) |
|---|--------------------------|---------------------|----------------------------|----------------------|------------------------|---------------------|--------------------|
| Ready-made and convenience foods and composite dishes | 166.0 | 7.0 | 1.7 | 14.0 | 1.9 | 6.3 | 1.0 |
| | (96.3 - 238.0) | (3.0 - 10.0) | (0.6 - 3.4) | (6.5 - 27.4) | (0.8 - 3.3) | (3.4 - 10.0) | (0.8 - 1.3) |
| Prepared salads | 138.0 | 7.2 | 1.0 | 10.4 | 2.7 | 4.3 | 1.0 |
| | (68.0 - 183.0) | (1.7 - 9.3) | (0.3 - 1.7) | (7.2 - 14.0) | (2.3 - 5.4) | (2.2 - 6.6) | (0.6 - 1.2) |
| Ready-to-eat meals composed of a combination of carbohydrate/vegetable/meat | 172.0 (130.8 - 240.3) | 7.8 (5.0 - 11.0) | 2.2 (1.0 - 3.5) | 14.9 (7.8 - 28.0) | 2.2 (1.0 - 3.7) | 6.9 (4.4 - 11.0) | 1.0 (0.8 - 1.3) |
| Pizza and pizza snacks | 236.0 | 9.1 | 3.8 | 27.0 | 3.0 | 10.0 | 1.2 |
| | (221.0 - 255.5) | (7.7 - 11.0) | (2.8 - 4.9) | (24.1 - 29.4) | (2.3 - 3.5) | (9.0 - 11.0) | (1.0 - 1.5) |
| Pasta, noodles and rice or grains with sauce or seasoned | 172.5 | 4.9 | 1.4 | 25.0 | 1.6 | 5.0 | 1.0 |
| | (123.5 - 351.0) | (3.5 - 10.8) | (0.7 - 2.9) | (16.2 - 56.9) | (0.8 - 2.9) | (3.9 - 9.0) | (0.6 - 1.8 |
| Tinned composite foods | 104.0 | 4.2 | 1.2 | 9.0 | 0.8 | 5.4 | 0.9 |
| | (81.8 - 145.3) | (2.1 - 8.6) | (0.3 - 2.8) | (7.5 - 10.4) | (0.5 - 1.5) | (4.5 - 7.3) | (0.8 - 1.0) |
| Sandwiches and wraps | 246.0 | 7.8 | 2.2 | 31.0 | 1.7 | 10.0 | 1.4 |
| | (228.0 - 262.0) | (5.0 - 11.0) | (1.8 - 3.7) | (28.0 - 31.0) | (1.0 - 3.3) | (7.5 - 13.0) | (1.1 - 1.7) |
| Soups | 38.0 | 1.5 | 0.3 | 4.0 | 1.0 | 0.9 | 0.8 |
| | (19.5 - 54.5) | (0.5 - 2.7) | (0.1 - 0.6) | (1.4 - 5.9) | (0.3 - 2.4) | (0.7 - 1.3) | (0.7 - 0.9 |
| | | | | | | | |

| | Energy (kcal) | Fat (g) | Of which, saturates (g) | Carbohydrate (g) | Of which sugars (g) | Protein (g) | Salt (g) |
|--|--------------------------|-----------------------|----------------------------|---------------------|------------------------|--------------------|--------------------|
| Butter, other fats and oils | 744.0 | 82.0 | 26.2 | 0.5 | 0.4 | 0.4 | 0.0 |
| | (689.8 - 824.0) | (76.3 - 91.6) | (14.0 - 55.0) | (0.0 - 0.5) | (0.0 - 0.5) | (0.0 - 0.7) | (0.0 - 0.7) |
| Vegetable oils | 824.0 | 92.0 | 14.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | (822.0 - 900.0) | (91.0 - 100.0) | (12.1 - 14.0) | (0.0 - 0.0) | (0.0 - 0.0) | (0.0 - 0.0) | (0.0 - 0.0) |
| Butter, butter blends, margarine and oil-based spreads | 727.0 (543.0 - 743.0) | 80.0 (60.0 - 82.0) | 54.0 (26.2 - 56.5) | 0.5 (0.5 - 0.9) | 0.5 (0.4 - 0.7) | 0.6 (0.5 - 0.7) | 0.4 (0.0 - 1.0) |

Table 13. Nutritional information: Butter, other fats and oils per 100 g or 100 mL.

Data are presented as median (interquartile range).

Table 14. Nutritional information: Bread, bread products and crisp breads per 100 g or 100 mL.

| | Energy (kcal) | Fat (g) | Of which, saturates (g) | Carbohydrate (g) | Of which sugars (g) | Protein (g) | Salt (g) |
|--|-----------------|--------------|----------------------------|---------------------|------------------------|--------------|-------------|
| Bread, bread products and crisp breads | 261.5 | 4.2 | 0.7 | 45.0 | 4.3 | 9.0 | 1.1 |
| | (242.8 - 280.0) | (3.0 - 6.2) | (0.5 - 1.1) | (40.7 - 49.3) | (3.0 - 6.7) | (5.4 - 9.7) | (1.0 - 1.2) |
| Flatbreads | 303.0 | 6.4 | 1.8 | 50.5 | 1.8 | 7.9 | 1.6 |
| | (300.0 - 314.3) | (6.3 - 7.2) | (0.9 - 2.8) | (49.3 - 52.5) | (1.6 - 1.9) | (7.3 - 8.2) | (1.2 - 1.7) |
| Leavened bread | 250.0 | 3.6 | 0.7 | 43.0 | 3.8 | 9.0 | 1.1 |
| | (238.0 - 267.0) | (2.7 - 5.5) | (0.5 - 0.9) | (40.0 - 46.0) | (3.0 - 4.9) | (4.5 - 10.0) | (1.0 - 1.2) |
| Sweet and raisin breads | 282.0 | 5.4 | 1.1 | 49.0 | 7.7 | 9.2 | 1.0 |
| | (263.0 - 347.0) | (4.2 - 12.0) | (0.6 - 3.8) | (45.0 - 51.0) | (4.7 - 11.0) | (8.5 - 9.7) | (0.9 - 1.3) |

Data are presented as median (interquartile range).

Table 15. Nutritional information: Fresh or dried pasta, rice and grains per 100 g or 100 mL.

| | Energy (kcal) | Fat (g) | Of which, saturates (g) | Carbohydrate (g) | Of which sugars (g) | Protein (g) | Salt (g) |
|---------------------------------------|-----------------|-------------|----------------------------|---------------------|------------------------|---------------|-------------|
| Fresh or dried pasta, rice and grains | 354.5 | 1.9 | 0.4 | 72.0 | 3.0 | 12.0 | 0.0 |
| | (343.3 - 359.8) | (1.5 - 2.7) | (0.3 - 0.6) | (64.3 - 74.0) | (0.9 - 3.5) | (9.1 - 12.0) | (0.0 - 0.1) |
| Rice and grains | 348.0 | 1.8 | 0.5 | 73.8 | 0.1 | 7.8 | 0.0 |
| | (342.5 - 356.5) | (1.2 - 2.8) | (0.3 - 0.6) | (70.5 - 75.0) | (0.0 - 1.4) | (6.9 - 9.4) | (0.0 - 0.0) |
| Fresh or dried pasta and noodles | 358.0 | 1.9 | 0.4 | 70.9 | 3.2 | 12.0 | 0.0 |
| | (344.0 - 366.0) | (1.5 - 2.6) | (0.3 - 0.6) | (63.0 - 74.0) | (1.6 - 3.5) | (11.0 - 12.0) | (0.0 - 0.1) |

Table 16. Nutritional information: Fresh and frozen meat, poultry, fish and similar per 100 g or 100 mL.

| | Energy (kcal) | Fat (g) | Of which, saturates (g) | Carbohydrate (g | Of which sugars (g) | Protein (g) | Salt (g) |
|--|---------------|-------------|----------------------------|--------------------|------------------------|---------------|-------------|
| Fresh and frozen meat, poultry, fish and similar | 76.0 | 0.9 | 0.2 | 0.0 | 0.0 | 17.0 | 0.3 |
| | (70.5 - 94.0) | (0.5 - 1.9) | (0.1 - 0.4) | (0.0 - 1.0) | (0.0 - 0.0) | (15.4 - 18.5) | (0.2 - 0.6) |

Data are presented as median (interquartile range).

Table 17. Nutritional information: Processed meat, poultry, fish and similar per 100 g or 100 mL.

| | Energy (kcal) | Fat (g) | Of which, saturates (g) | Carbohydrate (g) | Of which sugars (g) | Protein (g) | Salt (g) |
|--|-----------------|--------------|----------------------------|---------------------|------------------------|---------------|-------------|
| Processed meat, poultry, fish and similar | 199.7 | 12.0 | 2.5 | 1.4 | 0.6 | 17.5 | 1.9 |
| | (112.0 - 276.0) | (3.5 - 22.0) | (0.9 - 6.2) | (0.5 - 3.9) | (0.3 - 1.3) | (13.0 - 21.2) | (1.3 - 2.3) |
| Processed meat, poultry, game and preparations | 200.0 | 13.0 | 4.6 | 1.5 | 0.9 | 17.0 | 2.1 |
| | (105.0 - 293.0) | (2.5 - 23.0) | (0.9 - 8.1) | (0.7 - 3.5) | (0.5 - 1.5) | (13.0 - 21.0) | (1.8 - 2.9) |
| Processed fish and seafood products | 197.5 | 11.0 | 1.8 | 0.9 | 0.0 | 18.0 | 1.2 |
| | (146.5 - 251.0) | (5.8 - 19.8) | (0.9 - 3.2) | (0.3 - 4.6) | (0.0 - 0.9) | (12.0 - 21.4) | (0.8 - 1.5) |

Data are presented as median (interquartile range).

Table 19. Nutritional information: Fresh and frozen fruit, vegetables and legumes per 100 g or 100 mL.

| | Energy (kcal) | Fat (g) | Of which, saturates (g) | Carbohydrate (g) | Of which sugars (g) | Protein (g) | Salt (g) |
|--|---------------|-------------|----------------------------|---------------------|------------------------|-------------|-------------|
| Fresh and frozen fruit, vegetables and legumes | 44.0 | 0.4 | 0.1 | 5.5 | 2.2 | 2.6 | 0.1 |
| | (33.5 - 59.5) | (0.3 - 0.9) | (0.0 - 0.2) | (4.3 - 7.6) | (1.4 - 2.8) | (1.8 - 3.5) | (0.0 - 0.2) |
| Fresh and frozen fruit, vegetables | 38.0 | 0.4 | 0.1 | 5.4 | 2.1 | 2.2 | 0.1 |
| | (31.0 - 51.0) | (0.3 - 0.8) | (0.0 - 0.1) | (4.2 - 6.6) | (1.5 - 2.8) | (1.6 - 3.1) | (0.0 - 0.2) |
| Fresh and frozen legumes | 72.0 | 0.5 | 0.1 | 8.5 | 2.2 | 5.2 | 0.0 |
| | (56.5 - 91.0) | (0.3 -1.0) | (0.0 - 0.2) | (7.4 - 12.3) | (1.3 - 3.7) | (3.2 - 5.9) | (0.0 - 0.2) |

Data are presented as median (interquartile range). ** p<0.01 between distributor and manufacturer brands (test U Mann-Whitney).

| | Energy (kcal) | Fat (g) | Of which, saturates (g) | Carbohydrate (g) | Of which sugars (g) | Protein (g) | Salt (g) |
|---|-------------------------|---------------------|----------------------------|-----------------------|------------------------|--------------------|--------------------|
| Processed fruit and vegetables | 129.5 (45.0 - 194.0) | 0.3 (0.0 - 1.4) | 0.0 (0.0 - 0.3) | 12.9 (4.2 - 47.0) | 4.5 (0.7 - 41.0) | 1.0 (0.5 - 2.4) | 0.1 (0.0 - 0.9) |
| Jams and marmalades | 181.5 (53.0 - 201.5) | 0.0 (0.0 - 0.0) | 0.0 (0.0 - 0.0) | 44.0 (17.0 - 49.0) | 42.5 (5.7 - 47.0) | 0.5 (0.4 - 0.5) | 0.0 (0.0 - 0.0) |
| Tinned, dried and pickled fruits | 253.5 (61.0 - 317.0) | 0.5 (0.0 - 1.0) | 0.0 (0.0 - 0.3) | 50.5 (14.0 - 70.0) | 37.6 (11.9 - 62.0) | 1.5 (0.5 - 2.8) | 0.0 (0.0 - 0.0) |
| Fruit and vegetable pouches | - | - | - | - | - | - | - |
| Tinned, pickled, dried, battered and breaded vegetables and legumes | 77.0 (31.0 - 153.0) | 0.8 (0.4 - 12.0) | 0.1 (0.0 - 1.5) | 4.7 (1.2 - 9.3) | 0.8 (0.4 - 3.0) | 1.7 (1.1 - 4.5) | 0.8 (0.5 - 2.1) |

Table 19. Nutritional information: Processed fruit and vegetables per 100 g or 100 mL.

Data are presented as median (interquartile range). - Data not available.v

Table 20. Nutritional information: Savoury plant-based food/meat analogues per 100 g or 100 mL.

| | Energy (kcal) | Fat (g) | Of which, saturates (g) | Carbohydrate (g) | Of which sugars (g) | Protein (g) | Salt (g) |
|---------------------------|-----------------|--------------|----------------------------|---------------------|------------------------|---------------|-------------|
| Savoury plant-based food/ | 190.0 | 9.2 | 1.3 | 12.0 | 1.0 | 12.0 | 1.2 |
| meat analogues | (157.0 - 228.0) | (6.5 - 13.0) | (0.9 - 1.8) | (4.0 - 19.0) | (0.5 - 1.9) | (8.9 - 17.0) | (0.8 - 1.5) |
| Meat analogues | 200.0 | 10.0 | 1.3 | 13.3 | 1.2 | 11.0 | 1.2 |
| | (160.0 - 231.0) | (6.3 - 14.0) | (0.9 - 2.0) | (6.0 - 19.0) | (0.6 - 2.0) | (8.0 - 16.0) | (1.0 - 1.5) |
| Tofu and tempeh | 160.5 | 8.8 | 1.4 | 1.7 | 0.5 | 15.2 | 0.1 |
| | (147.5 - 189.9) | (7.7 - 9.6) | (1.2 - 1.6) | (1.3 - 11.3) | (0.2 - 1.4) | (12.5 - 17.2) | (0.0 - 1.2) |

Data are presented as median (interquartile range).

Table 21. Nutritional information: Sauces, dips and dressings per 100 g or 100 mL.

| | Energy (kcal) | Fat (g) | Of which, saturates (g) | Carbohydrate (g) | Of which sugars (g) | Protein (g) | Salt (g) |
|----------------------------|-----------------|---------------|----------------------------|---------------------|------------------------|--------------|--------------|
| Sauces, dips and dressings | 174.0 | 8.9 | 1.8 | 7.7 | 4.4 | 1.5 | 1.2 |
| | (90.0 - 339.0) | (2.6 - 33.0) | (0.2 - 5.8) | (4.5 - 14.0) | (2.0 - 8.5) | (0.9 - 3.0) | (0.9 - 1.8) |
| Salad dressings | 461.0 | 48.0 | 6.4 | 5.1 | 2.5 | 0.7 | 1.1 |
| | (246.0 - 657.0) | (19.5 - 71.5) | (2.1 - 9.6) | (1.5 - 12.5) | (0.6 - 7.1) | (0.4 - 1.4) | (0.1 - 1.4) |
| Stock cubes | 246.5 | 5.8 | 3.0 | 25.1 | 5.6 | 5.6 | 21.0 |
| | (105.8 - 283.0) | (2.7 - 12.1) | (0.6 - 7.0) | (7.9 - 35.5) | (1.5 - 13.1) | (3.6 - 11.0) | (1.3 - 48.9) |
| Condiments | 183.0 | 11.0 | 1.2 | 11.4 | 6.9 | 1.4 | 1.8 |
| | (99.0 - 374.8) | (0.2 - 36.0) | (0.0 - 4.2) | (6.8 - 19.6) | (3.4 - 16.8) | (1.0 - 2.6) | (1.3 - 2.4) |
| Cooking sauces | 90.0 | 5.0 | 0.6 | 7.3 | 4.8 | 1.5 | 1.0 |
| | (68.0 - 119.0) | (3.1 - 8.5) | (0.3 - 2.1) | (5.2 - 9.6) | (3.1 - 6.9) | (1.1 - 2.4) | (0.8 - 1.3) |
| Dips and dipping sauces | 184.0 | 13.7 | 2.0 | 6.9 | 0.9 | 5.4 | 1.0 |
| | (149.0 - 256.0) | (12.3 - 20.0) | (1.7 - 2.6) | (2.9 - 11.0) | (0.5 - 2.0) | (1.9 - 6.7) | (0.8 - 1.1) |

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