**Supplementary material**

**Supplementary file 1.** Categories of foods and beverages containing low-calorie sweeteners.

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| **Food Category** | **Products** |
| Bakery products | Ready-to-eat bread sweet rolls, ready-to-eat carrot cake, chocolate cake, fudge cake |
| Candies and desserts | Gums, jams, gelatin powder, chocolates and ice creams |
| Cereal and granola bars | Breakfast cereals and granola bars |
| Condiments and salad dressings | Ready-to-eat salad dressings |
| Dairy beverages | Chocolate dry mix and ready-to-drink chocolate milk, Greek yogurt, fruit yogurt, other flavor yogurt, fruit *petit suisse* |
| Sweetened beverages | Cola-based soft drinks, fruit-flavored soft drinks, low-calorie tonic water, fruit-flavored drink mixes, low-calorie fruit-flavored drink mixes, powder for shakes, soy beverages, nectars, mass-produced teas, hydroelectrolytic beverages |
| Tabletop sweeteners | Artificial sweeteners: liquid saccharin, powdered saccharin, liquid sucralose, powdered aspartame, steviol glycosides |

**Supplementary file 2.** Consumption of foods and beverages containing low-calorie sweeteners using three different scenarios. Campinas, SP, 2015/16.

Abbreviations: LCS, low-calorie sweetener. Bars: 95% confidence intervals.  
**Scenario 1**: Foods and beverages containing LCS identified by brand in the 24 h-food recall + tabletop sweeteners; **Scenario 2:** scenario 1 + foods and beverages likely to contain LCS (diet, light, reduced sugars) + fruit-flavored drink mixes; **Scenario 3**: scenario 1 + scenario 2 + top selling brand/flavor of foods and beverages containing LCS.

**Supplementary file 3.** Consumption of different types of low-calorie sweeteners: estimates using scenario 3. Campinas, SP, 2015/16.

Abbreviations: LCS, low-calorie sweetener. Bars: 95% confidence intervals.

**Supplementary file 4.** Estimates of population exposure to high levels of low-calorie sweeteners using acceptable daily intake (ADI). Campinas, SP, 2015/16.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Age group (years)** | | | | | | | | | | | |  |
|  | **10-19** | | | **20-39** | | | **40-59** | | | **≥ 60** | | | **ADI** |
|  | **Mean** | **P50** | **P95** | **Mean** | **P50** | **P95** | **Mean** | **P50** | **P95** | **Mean** | **P50** | **P95** |
|  | **(mg/weight body kg)** | | | | | | | | | | | | |
| **Acesulfame potassium** | 0.1 | 0.0 | 0.4 | 0.1 | 0.0 | 0.7 | 0.1 | 0.0 | 0.4 | 0.1 | 0.0 | 0.7 | 15.0 |
| **Aspartame** | 0.2 | 0.1 | 0.7 | 0.2 | 0.1 | 0.5 | 0.1 | 0.0 | 0.5 | 0.2 | 0.0 | 0.6 | 40.0 |
| **Sodium cyclamate** | 0.2 | 0.1 | 1.1 | 0.2 | 0.1 | 1.2 | 0.3 | 0.1 | 0.9 | 0.3 | 0.1 | 1.4 | 11.0 |
| **Saccharin** | 0.2 | 0.0 | 0.8 | 0.1 | 0.0 | 0.8 | 0.2 | 0.0 | 0.7 | 0.2 | 0.0 | 0.9 | 5.0 |
| **Sucralose** | 0.2 | 0.0 | 1.3 | 0.1 | 0.0 | 0.9 | 0.2 | 0.0 | 0.8 | 0.2 | 0.0 | 1.1 | 15.0 |
| **Neotame** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 |
| **Steviol glycosides** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.0 |

Abbreviations: P50, 50th percentile. P95, 95th percentile. ADI, acceptable daily intake. mg, milligrams. kg, kilograms