**Supplementary Table 1:** Snack consumption Questionnaire Items.

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| **General approach** | | |
| Snack consumption was assessed by combining the frequency as well as the average consumption for each item. Response categories for assessing frequency were: “never or less than once per month”, “1–3 days per month”, “1 day per week”, “2–4 days per week”, “5–6 days per week” and “every day”, while regarding the average consumption, the response categories depended on the relevant food item (e.g. 1-3 tablespoons for dried fruit, 25-125 g for chocolate).  From this data, the average amount of each food item in grams per day was calculated by multiplication of the number of days per week and amount per day in grams (using the midpoint) divided by 7 (total number of days in a full week) and was then calculated as grams/day | | |
| **fruits and vegetables** | **sweet snacks** | **salty snacks** |
| The “fruits and vegetables” variable was calculated as the sum of the following food items:  fresh, canned, dried fruits as well as raw and cooked vegetables. | The “sweet snacks” variable was calculated as the sum of the following food items:  chocolate, dairy-based desserts, cakes, biscuits, pastries and sugar-based desserts, while | The salty snacks variable was originally included in the questionnaire as such. |

**Supplementary Table 2:** Determinant and Questionnaire Items.

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| **Determinant/ Question item** | **Response alternatives** |
| **Healthy snacking** | |
|  |  |
| “I make fruit or vegetables snacks regularly available for my child” | -2= strongly disagree- +2= strongly agree |
| “I often give fruits or vegetables as snacks to my child” | -2= strongly disagree- +2= strongly agree |
| “My child likes to eat fruits and vegetables as a snack” | -2= strongly agree-+ 2= strongly disagree |
| Parental fruits and vegetables consumption assessed with the question: “How often do you consume the following items as a snack (in between your main meals)?” with the following subgroups:  “fresh fruits”, “vegetables” | 0= never  1= 1 or less times per week  3= 2-4 times per week  5,5= 5-6 times per week  1,5= 1-2 times per day  3,5= 3-4 times per day  5= 5 or more times per day |
| My child is allowed to eat fruits or vegetables as snacks without asking | -2= strongly disagree- +2= strongly agree |
| Perceived fruit and vegetable recommendation assessed with the question: “What do you think is an acceptable consumption of the following food items for 4-6 year old children?” with the following subgroup:  ”Fruit and vegetables” | 0= never  0= 1 or less times per week  0= 2-4 times per week  1= 5-6 times per week  0= 1-2 times per day  0= 3-4 times per day  0= 5 or more times per day |
| **Unhealthy snacking** | |
| I think eating sweet or salty snacks is not bad for my child | -2= strongly disagree- +2= strongly agree |
| Parental snack consumption assessed with the question: “How often do you consume the following items as a snack (in between your main meals)?” with the following subgroups: “cakes/muffins”, “biscuits/cookies”, “crisps and other similar salty snacks”, “chocolate”, “sweets/candies” | 0= never  1= 1 or less times per week  3= 2-4 times per week  5,5= 5-6 times per week  1,5= 1-2 times per day  3,5= 3-4 times per day  5= 5 or more times per day |
| “I make sweet or salty snacks regularly available for my child” | -2= strongly disagree- +2= strongly agree |
| Parental knowledge on unhealthy snack recommendation consumption assessed with the question: “What do you think is an acceptable consumption of the following food items for 4-6 year old children?” with the following subgroups: “Sweets/candies/ Chocolate”, “Biscuits/cookies/ cakes/ muffins”, ”Crisps and other similar salty snacks” | 0= never  1= 1 or less times per week  0= 2-4 times per week  0= 5-6 times per week  0= 1-2 times per day  0= 3-4 times per day  0= 5 or more times per day |
| I find it difficult to restrain myself from eating sweet or salty snacks because of the presence of my child | -2= strongly agree-+ 2= strongly disagree |
| If I prohibit my child to eat sweet/salty snack I find it difficult to stick to my rules if (s)he starts nagging | -2= strongly agree-+ 2= strongly disagree |
| I give sweet or salty snacks to my child as a reward or to comfort him | -2= strongly disagree- +2= strongly agree |
| My child is allowed to eat sweet or salty snacks only at certain occasions i.e. birthdays | -2= strongly disagree- +2= strongly agree |
| My child is not allowed to snack while watching TV | -2= strongly agree-+ 2= strongly disagree |