

Additional materials

Figure S1: Flow-chart of excluded participants. (ICF = Informed Consent Form, FPQ = food pattern questionnaire).

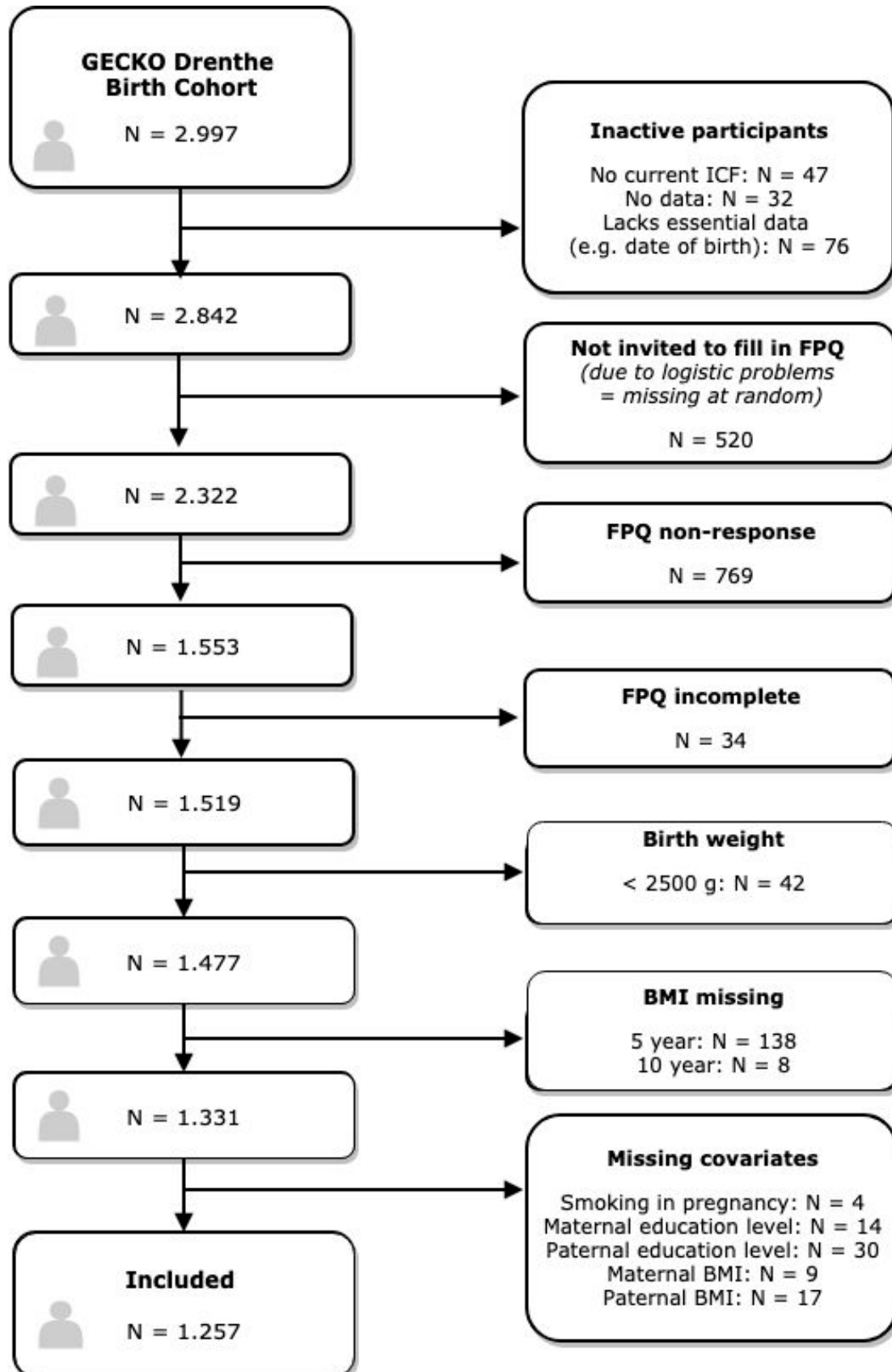


Figure S2: Preview of food pattern questionnaire. The same question about beverages was asked in the morning, during lunch at school, lunch at home, in the afternoon, dinner, and in the evening.

What does your child usually drink during breakfast, and how often? **(tick one box in each line)**

	Never	0-1 times a week	2-3 times a week	4-5 times a week	6-7 times a week
Nothing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Water	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Milk or buttermilk	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Yoghurtdrink, sweetened dairy drink, chocolate milk	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Soda, regular	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Soda, light	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fruit juice, store bought	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fruit juice, homemade	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Instant lemonade made with fruit syrup	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Tea without sugar	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Tea with sugar	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Tea with milk and sugar	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Table S1: Median [IQR] weekly consumption frequency of sugar-sweetened beverages at different time segments, over the 4 quartiles of SSB intake.

	Q1	Q2	Q3	Q4	P-trend	Kendall's tau
Breakfast	0 [0 - 0,5]	2,5 [0 - 4,5]	4,5 [2,5 - 6,5]	6,5 [5 - 7]	<0.001	0.59
Morning	5 [4,5 - 6,5]	6,5 [4,5 - 6,5]	6,5 [4,5 - 6,5]	6,5 [5 - 7]	<0.001	0.27
Lunch at school*	0 [0 - 0,5]	0,5 [0,5 - 2,5]	2,5 [0,5 - 2,5]	2,5 [1 - 3]	<0.001	0.38
Lunch at home	0 [0 - 0,5]	2,5 [0 - 4,5]	4,5 [2,5 - 5,5]	6,5 [4,5 - 7]	<0.001	0.60
Afternoon	5 [4,5 - 6,5]	6,5 [4,5 - 6,5]	6,5 [5 - 7]	7 [6,5 - 9]	<0.001	0.33
Dinner	0 [0 - 0]	0 [0 - 1]	0 [0 - 4,5]	4,5 [0 - 6,5]	<0.001	0.40
Evening	0 [0 - 0]	0 [0 - 2,5]	0,5 [0 - 4,5]	5 [2,5 - 6,5]	<0.001	0.44
Total	13 [10,5 - 14]	19 [17,5 - 20,5]	25,5 [23,5 - 27,5]	34 [32 - 38,5]	<0.001	0.87

* of 764 children who have lunch at school at least once a week, median + IQR frequency of

lunch at school = 2 days [1 ; 3]

N=1257

Table S2: Median [IQR] weekly consumption frequency of non-sugar-sweetened beverages at different time segments, over the 4 quartiles of SSB intake.

	Q1	Q2	Q3	Q4	P-trend	Kendall's tau
Breakfast						
Nothing	0 [0 - 0]	0 [0 - 0]	0 [0 - 0]	0 [0 - 0]	0.445	-0.020
Water	0 [0 - 0]	0 [0 - 0]	0 [0 - 0]	0 [0 - 0]	0.002	-0.079
Milk*	6,5 [2,5 - 6,5]	4,5 [0 - 6,5]	0 [0 - 4,5]	0 [0 - 0]	<0.001	-0.428
Tea without sugar	0 [0 - 0,5]	0 [0 - 0,5]	0 [0 - 0]	0 [0 - 0]	0.001	-0.082
In the morning						
Nothing	0 [0 - 0]	0 [0 - 0]	0 [0 - 0]	0 [0 - 0]	0.902	0.003
Water	0 [0 - 0]	0 [0 - 0]	0 [0 - 0]	0 [0 - 0]	0.031	-0.054
Milk*	0 [0 - 0]	0 [0 - 0]	0 [0 - 0]	0 [0 - 0]	<0.001	-0.131
Tea without sugar	0 [0 - 0]	0 [0 - 0]	0 [0 - 0]	0 [0 - 0]	0.333	0.025
Lunch at school**						
Nothing	0 [0 - 0]	0 [0 - 0]	0 [0 - 0]	0 [0 - 0]	0.712	-0.012
Water	0 [0 - 0]	0 [0 - 0]	0 [0 - 0]	0 [0 - 0]	0.766	0.010
Milk*	0,5 [0 - 2,5]	0 [0 - 2,5]	0 [0 - 0,5]	0 [0 - 0,4]	<0.001	-0.267
Tea without sugar	0 [0 - 0]	0 [0 - 0]	0 [0 - 0]	0 [0 - 0]	0.060	0.062
Lunch at home						
Nothing	0 [0 - 0]	0 [0 - 0]	0 [0 - 0]	0 [0 - 0]	0.053	-0.050
Water	0 [0 - 0]	0 [0 - 0]	0 [0 - 0]	0 [0 - 0]	0.322	-0.025
Milk*	4,5 [2,5 - 6,5]	2,5 [0 - 4,5]	0 [0 - 2,5]	0 [0 - 0,5]	<0.001	-0.411
Tea without sugar	0 [0 - 0]	0 [0 - 0]	0 [0 - 0]	0 [0 - 0]	0.040	0.052
In the afternoon						
Nothing	0 [0 - 0]	0 [0 - 0]	0 [0 - 0]	0 [0 - 0]	0.146	-0.037
Water	0 [0 - 2,5]	0 [0 - 0,5]	0 [0 - 0]	0 [0 - 0]	<0.001	-0.114
Milk*	0 [0 - 0]	0 [0 - 0]	0 [0 - 0]	0 [0 - 0]	0.017	-0.061
Tea without sugar	0 [0 - 0,5]	0 [0 - 0]	0 [0 - 0]	0 [0 - 0]	<0.001	-0.088
Dinner						
Nothing	0 [0 - 4,5]	0 [0 - 4,5]	0 [0 - 4,5]	0 [0 - 0,5]	0.005	-0.069
Water	2,5 [0 - 4,5]	0 [0 - 2,5]	0 [0 - 2,5]	0 [0 - 2,5]	<0.001	-0.188
Milk*	0 [0 - 0]	0 [0 - 0]	0 [0 - 0]	0 [0 - 0]	<0.001	-0.097
Tea without sugar	0 [0 - 0]	0 [0 - 0]	0 [0 - 0]	0 [0 - 0]	0.069	0.047
In the evening						
Nothing	0 [0 - 6,5]	0 [0 - 4,5]	0 [0 - 4,5]	0 [0 - 0]	<0.001	-0.191
Water	0,5 [0 - 2,5]	0 [0 - 2,5]	0 [0 - 2,5]	0 [0 - 0,5]	<0.001	-0.125
Milk*	0 [0 - 0]	0 [0 - 0]	0 [0 - 0]	0 [0 - 0]	<0.001	-0.123
Tea without sugar	0 [0 - 0]	0 [0 - 0]	0 [0 - 0]	0 [0 - 0]	0.319	0.025

* Mostly semi-skimmed milk, 1.5-1.8% fat

** of 764 children who have lunch at school at least once a week, median + IQR frequency of lunch at school = 2 days [1 ; 3]. N=1257

Table S3: Baseline characteristics of families that were not invited to fill out the FPQ due to logistic problems, families who did not respond to the invitation and families who did respond.

	Not invited (N=520)	Non-response (N=769)	Response (N=1.553)	P-value
Child characteristics				
Gender				0.981
<i>Boy</i>	262 (50.5)	385 (50.1)	784 (50.5)	
<i>Girl</i>	257 (49.5)	384 (49.9)	769 (49.5)	
Daily SSB consumption frequency	N/A	N/A	3.1 [2.2 - 4.2]	N/A
Age at FPQ assessment (y)	N/A	N/A	6 ± 0.4	N/A
BMI-z score age 5/6 (y)	N/A	0.3 ± 0.9	0.3 ± 0.8	0.411
Age at BMI 5/6 (SD)	N/A	5.9 ± 0.4	5.8 ± 0.3	<0.001
BMI-z score age 10/11 (SD)	0.2 ± 1.1	0.4 ± 1	0.2 ± 1.1	0.003
Age at BMI 10/11 (SD)	10.9 ± 0.6	10.7 ± 0.5	10.6 ± 0.4	<0.001
Overweight prevalence age 5/6 (y)	N/A	74 (10.1)	161 (10.5)	0.825
Overweight prevalence age 10/11 (y)	25 (15.3)	128 (20.4)	230 (16.3)	0.066
Parental characteristics				
Age father at birth (y)	33.7 ± 5.2	33.8 ± 5.2	34.4 ± 4.8	0.002
Age mother at birth (y)	30.7 ± 4.7	30.8 ± 4.7	31.6 ± 4.2	<0.001
BMI father at birth (kg/m ²)	25.5 ± 3.4	25.9 ± 3.5	25.4 ± 3.2	0.102
BMI mother at birth (kg/m ²)	24.6 ± 4.3	24.8 ± 5.0	24.7 ± 4.7	0.983
Paternal education level				<0.001
<i>Low</i>	218 (50.2)	319 (51.5)	596 (40.0)	
<i>Middle</i>	86 (19.8)	142 (22.9)	394 (26.4)	
<i>High</i>	130 (30)	158 (25.5)	500 (33.6)	
Maternal education level				<0.001
<i>Low</i>	185 (41)	312 (47.3)	468 (30.7)	
<i>Middle</i>	102 (22.6)	159 (24.1)	467 (30.6)	
<i>High</i>	164 (36.4)	189 (28.6)	589 (38.6)	
Maternal smoking during pregnancy	82 (16.4)	155 (20.4)	200 (12.9)	<0.001

Results presented as N(%), mean ± SD or median [25th – 75th percentile], depending on data characteristics.

