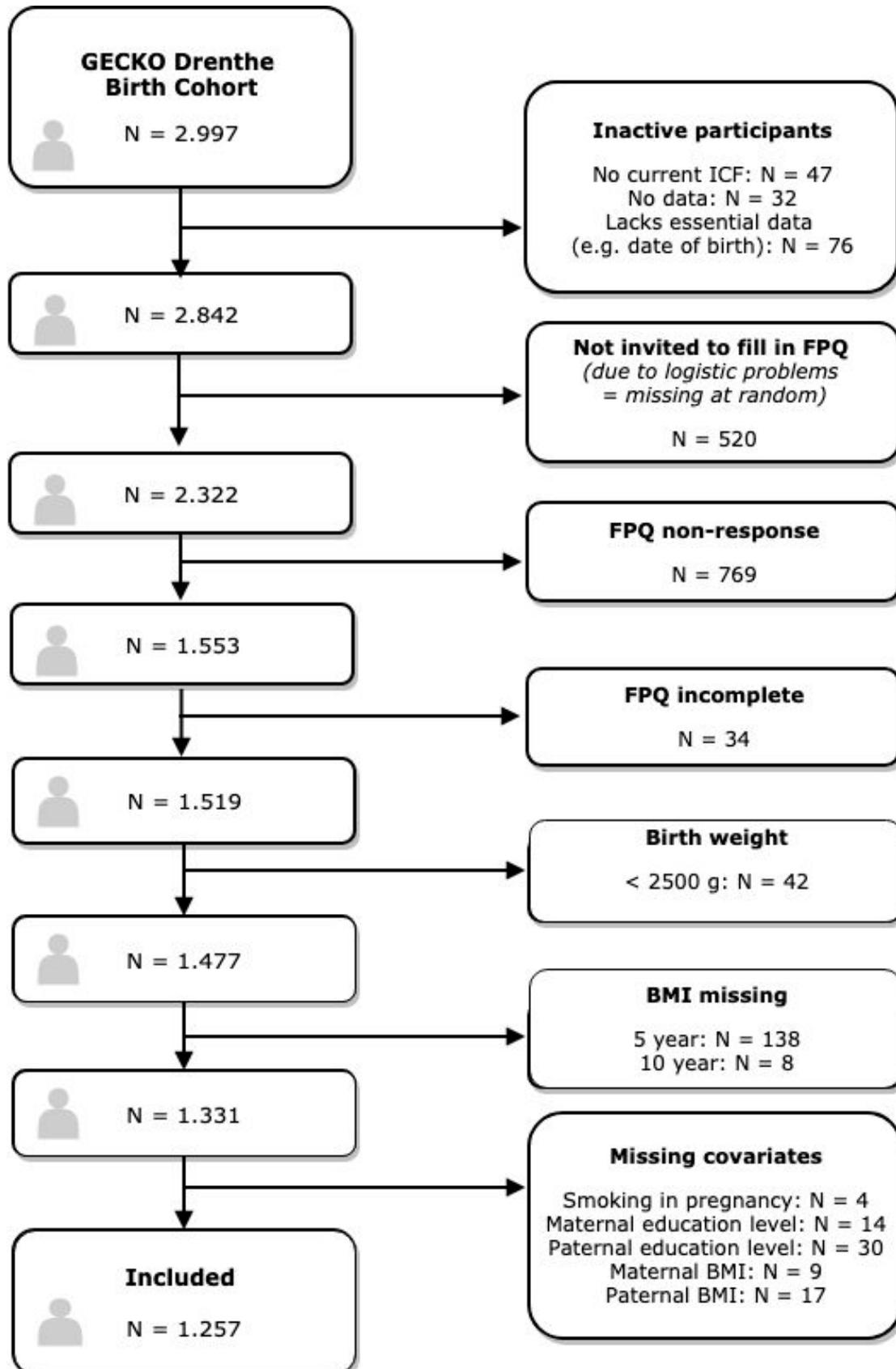


## Additional materials

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"/>				
Water	<input type="radio"/>				
Milk or buttermilk	<input type="radio"/>				
Yoghurtdrink, sweetened dairy drink, chocolate milk	<input type="radio"/>				
Soda, regular	<input type="radio"/>				
Soda, light	<input type="radio"/>				
Fruit juice, store bought	<input type="radio"/>				
Fruit juice, homemade	<input type="radio"/>				
Instant lemonade made with fruit syrup	<input type="radio"/>				
Tea without sugar	<input type="radio"/>				
Tea with sugar	<input type="radio"/>				
Tea with milk and sugar	<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]	<b>&lt;0.001</b>	0.59
Morning	5 [4,5 - 6,5]	6,5 [4,5 - 6,5]	6,5 [4,5 - 6,5]	6,5 [5 - 7]	<b>&lt;0.001</b>	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]	<b>&lt;0.001</b>	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]	<b>&lt;0.001</b>	0.60
Afternoon	5 [4,5 - 6,5]	6,5 [4,5 - 6,5]	6,5 [5 - 7]	7 [6,5 - 9]	<b>&lt;0.001</b>	0.33
Dinner	0 [0 - 0]	0 [0 - 1]	0 [0 - 4,5]	4,5 [0 - 6,5]	<b>&lt;0.001</b>	0.40
Evening	0 [0 - 0]	0 [0 - 2,5]	0,5 [0 - 4,5]	5 [2,5 - 6,5]	<b>&lt;0.001</b>	0.44
Total	13 [10,5 - 14]	19 [17,5 - 20,5]	25,5 [23,5 - 27,5]	34 [32 - 38,5]	<b>&lt;0.001</b>	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
<b>Breakfast</b>						
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
<b>In the morning</b>						
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
<b>Lunch at school**</b>						
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
<b>Lunch at home</b>						
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
<b>In the afternoon</b>						
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
<b>Dinner</b>						
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
<b>In the evening</b>						
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.

	<b>Not invited</b> (N=520)	<b>Non-response</b> (N=769)	<b>Response</b> (N=1.553)	<b>P-value</b>
<b>Child characteristics</b>				
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
<b>Parental characteristics</b>				
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 <sup>2</sup> )	25.5 ± 3.4	25.9 ± 3.5	25.4 ± 3.2	0.102
BMI mother at birth (kg/m <sup>2</sup> )	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 [25<sup>th</sup> – 75<sup>th</sup> percentile], depending on data characteristics.

