

Supplemental File

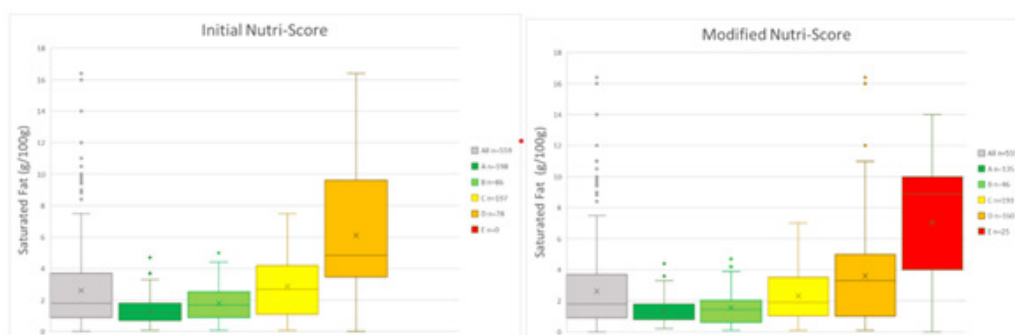


Figure S1: Comparison of saturated fatty acid contents by score

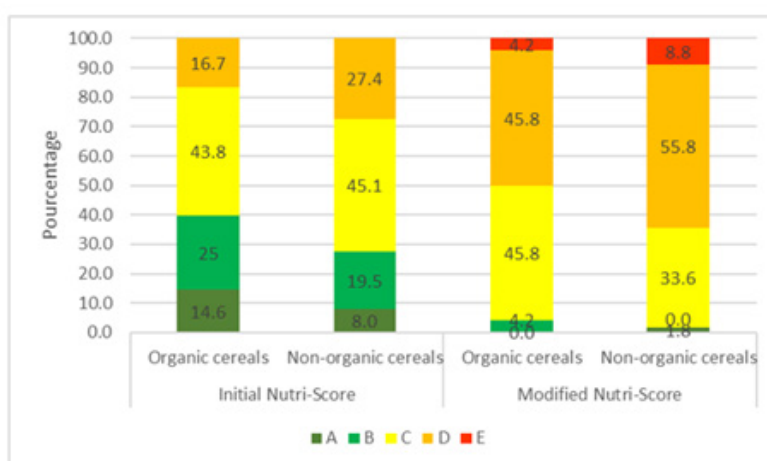


Figure S2: Nutri-Score distribution for organic (n = 48) and non-organic (n = 113) child-targeted breakfast cereals with the initial algorithm (left) and the modified algorithm (right).

Table S1: Influential factors for different measures of the Initial Nutri-Score magnitude

	1	2	3	4	5	6	7
Initial Nutri-Score	Energy (kJ/100g)	Sugars (g/100g)	Saturated Fatty Acids (g/100g)	Salt (g/100g)	Proteins (g/100g)	Dietary fibers (g/100g)	Fruits & Veg (g/100g)
Average	4.6	3.1	2.0	1.0	4.7	4.6	0.0
SD	0.6	1.8	2.3	1.5	0.6	0.9	0.0
<i>Partial Score Percentile</i>							
Min	3	0	0	0	2	0	0
10%	4	0	0	0	4	3	0
25%	4	2	0	0	5	5	0
50%	5	3	1	0	5	5	0
75%	5	4	3	2	5	5	0
90%	5	5	5	3	5	5	0
Max	7	8	10	8	5	5	1
<i>Range between percentiles of the Partial Score</i>							
[25% - 75%]	1	2	3	2	0	0	0
[10% - 90%]	1	5	5	3	1	2	0
<i>Influencing factors for different amplitude measurements</i>							
SD	5	2	1	3	6	4	7
[25% - 75%]	4	2	1	2	5	5	5
[10% - 90%]	5	1	1	3	5	4	7

Table S2: Influential factors for different measures of the Modified Nutri-Score magnitude

	1	2	3	4	5	6	7
Modified Nutri-Score	Energy (kJ/100g)	Sugars (g/100g)	Saturated Fatty Acids (g/100g)	Salt (g/100g)	Proteins (g/100g)	Dietary fibers (g/100g)	Fruits & Veg (g/100g)
Average	4.6	4.3	2.0	1.2	3.5	3.7	0.0
SD	0.6	2.5	2.3	1.7	1.1	1.6	0.0
<i>Partial Score Percentile</i>							
Min	3	0	0	0	1	0	0
10%	4	0	0	0	2	1	0
25%	4	3	0	0	3	3	0
50%	5	5	1	0	3	4	0
75%	5	6	3	2	4	5	0
90%	5	7	5	4	5	5	0
Max	7	11	10	9	7	5	1
<i>Range between percentiles of the Partial Score</i>							
[25% - 75%]	1	3	3	2	1	2	0
[10% - 90%]	1	7	5	4	3	4	0
<i>Influencing factors for different amplitude measurements</i>							
SD	6	1	2	3	5	4	7
[25% - 75%]	5	1	1	3	5	3	7
[10% - 90%]	6	1	2	3	5	3	7

Table S3: Evolution by level of the modified Nutri-Score vs. initial Nutri-Score of the subcategory MOF with added sugar (n=243)

Modified Nutri-Score		A	B	C	D	E
Initial Nutri-Score						
A	64	53.1%	34.4%	12.5%	0.0%	0.0%
B	42	4.8%	14.3%	81.0%	0.0%	0.0%
C	102	0.0%	0.0%	67.6%	32.4%	0.0%
D	35	0.0%	0.0%	0.0%	65.7%	34.3%
E	0	-	-	-	-	-
		Bonus Score +1	Invariant Score	Degraded Score -1	Degraded Score -2	
All scores	243	0.8%	54.3%	41.6%	3.3%	

Table S4: Evolution by level of the modified Nutri-Score vs. initial Nutri-Score of the subcategory no added sugar MOF (n=104)

Modified Nutri-Score		A	B	C	D	E
Initial Nutri-Score						
A	100	92.0%	7.0%	1.0%	0.0%	0.0%
B	1	0.0%	0.0%	100.0%	0.0%	0.0%
C	3	0.0%	0.0%	66.7%	33.3%	0.0%
D	0	0.0%	0.0%	0,0%	0.0%	0.0%
E	0	0.0%	0.0%	0.0%	0.0%	0.0%
		Bonus score +1	Invariant Score	Degraded Score -1	Degraded Score -2	
All scores	104	0.0%	90.4%	8.7%	1.0%	