

Supplementary Materials

Figure S1: Choropleth maps of mean dietary intake and nutrient status indicators of Donald study participants (age 6-18) between 2014 and 2019 by city districts (Stadtbezirk) of Dortmund

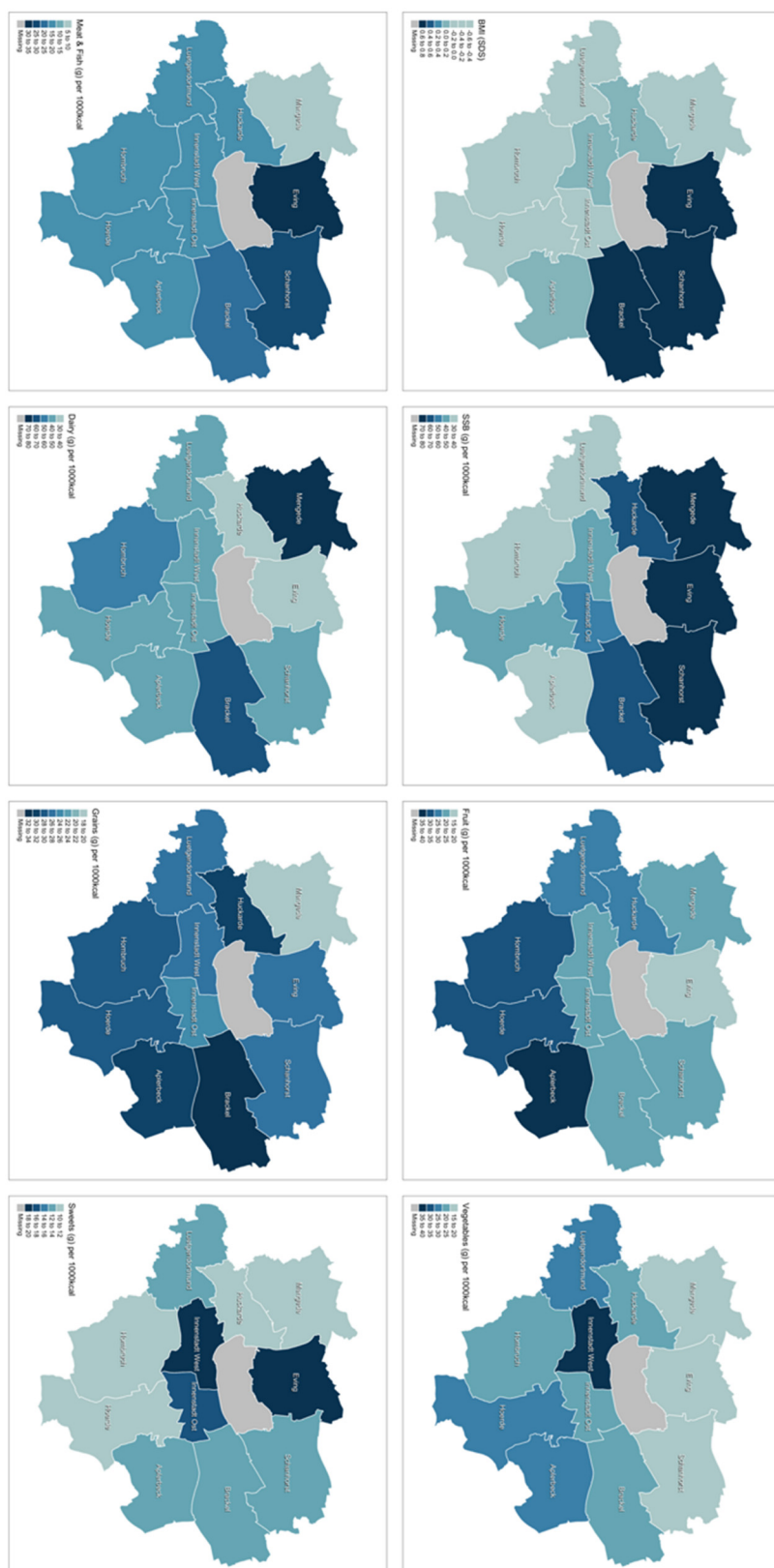


Figure S2: Predicted values for North and South Dortmund, respectively, by model specification

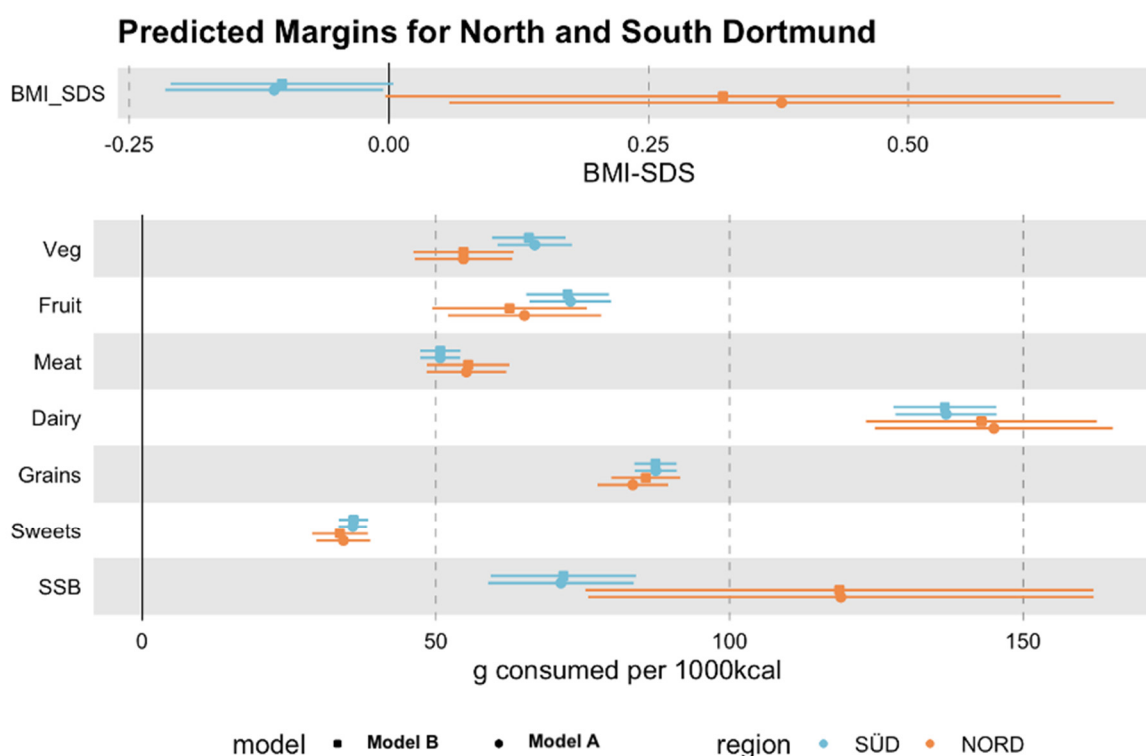


Table S1: Regression results for macronutrients by model specification

			β	p-value	Benjamini-Hochberg p-value	Lower CI	Upper CI
BMI	SDS	Model A	-0.489	0.005	0.005	-0.827	-0.151
		Model B	-0.425	0.016	0.016	-0.769	-0.081
		Model B*	-0.417	0.017	0.017	-0.759	-0.075
Food Groups	SSB	Model A	-47.661	0.039	0.138	-92.821	-2.501
		Model B	-47	0.044	0.138	-92.642	-1.359
	Vegetables	Model A	12.133	0.027	0.135	1.377	22.889
		Model B	11.129	0.043	0.138	0.351	21.906
	Fruit	Model A	7.829	0.302	0.539	-7.03	22.688
		Model B	9.876	0.196	0.490	-5.094	24.847
	Meat	Model A	-4.468	0.252	0.525	-12.122	3.185
		Model B	-4.746	0.239	0.525	-12.64	3.148
	Sweets	Model A	1.602	0.545	0.706	-3.592	6.796
		Model B	2.327	0.397	0.662	-3.057	7.712

Macronutrients	Grain	Model A	3.905	0.277	0.533	-3.141	10.952
		Model B	1.646	0.637	0.758	-5.2	8.492
	Dairy	Model A	-8.138	0.465	0.706	-29.946	13.671
		Model B	-6.237	0.565	0.706	-27.492	15.017
	Protein	Model A	-0.001	0.668	0.759	-0.008	0.005
		Model B	-0.002	0.524	0.706	-0.009	0.005
	Carbohydrates						
		Model A	-0.001	0.861	0.861	-0.014	0.012
		Model B	-0.002	0.754	0.785	-0.016	0.011
	Fat	Model A	0.002	0.723	0.785	-0.011	0.016
		Model B	0.004	0.558	0.706	-0.01	0.018
	Sugar						
		Model A	-0.02	0.021	0.131	-0.036	-0.003
		Model B	-0.016	0.055	0.153	-0.032	0

Model A is adjusted for age and sex.

Model B is adjusted for age, sex and socio-economic status.

Model B* (BMI-SDS only) is adjusted for age, sex, socio-economic status and physical activity.

FDR (False Discovery Rate) was calculated following Benjamini-Hochberg procedure for each model family and outcome group and set at 0.20.

BMI Body Mass Index, *SDS* Standard Deviation Score, *SSB* Sugar-Sweetened Beverages, *CI* Confidence Intervall, *FDR* False Discovery Rate