

**Table S1.** Estimated Home-IDEA2<sup>a</sup> and FoodAPS<sup>b</sup> HEI Component and Total Score Means at each Percentile

Components	Quality Score /		Percentiles <sup>c</sup>								
	Tool	Mean (SD)	1 <sup>st</sup>	5 <sup>th</sup>	10 <sup>th</sup>	25 <sup>th</sup>	50 <sup>th</sup>	75 <sup>th</sup>	90 <sup>th</sup>	95 <sup>th</sup>	99 <sup>th</sup>
Total Vegetables	Home-IDEA2	2.2 (2.0)	0.0	0.0	0.0	<b>0.0</b>	1.7	<b>4.4</b>	5.0	5.0	5.0
	FoodAPS	2.6 (1.9)	0.0	0.0	0.0	<b>0.7</b>	2.4	<b>5.0</b>	5.0	5.0	5.0
Greens & Beans/Peas	Home-IDEA2	0.9 (1.9)	0.0	0.0	0.0	0.0	0.0	<b>0.0</b>	5.0	5.0	5.0
	FoodAPS	1.4 (2.1)	0.0	0.0	0.0	0.0	0.0	<b>3.3</b>	5.0	5.0	5.0
Total Fruit	Home-IDEA2	2.6 (2.1)	0.0	0.0	0.0	<b>0.0</b>	2.8	<b>5.0</b>	5.0	5.0	5.0
	FoodAPS	2.2 (2.0)	0.0	0.0	0.0	<b>0.1</b>	1.7	<b>4.5</b>	5.0	5.0	5.0
Whole Fruit	Home-IDEA2	2.7 (2.3)	0.0	0.0	0.0	0.0	3.6	5.0	5.0	5.0	5.0
	FoodAPS	2.3 (2.1)	0.0	0.0	0.0	0.0	1.8	5.0	5.0	5.0	5.0
Whole Grain	Home-IDEA2	3.4 (4.1)	0.0	0.0	0.0	0.0	<b>0.0</b>	7.5	<b>10.0</b>	10.0	10.0
	FoodAPS	2.4 (3.4)	0.0	0.0	0.0	0.0	<b>0.3</b>	4.0	<b>9.1</b>	10.0	10.0
Total Dairy	Home-IDEA2	6.2 (4.0)	0.0	0.0	0.0	2.5	7.6	<b>10.0</b>	10.0	10.0	10.0
	FoodAPS	5.1 (3.8)	0.0	0.0	0.0	1.2	4.9	<b>9.5</b>	10.0	10.0	10.0
Total Protein	Home-IDEA2	3.1 (2.1)	0.0	0.0	0.0	0.4	4.1	5.0	5.0	5.0	5.0
	FoodAPS	2.8 (2.0)	0.0	0.0	0.0	0.7	3.0	5.0	5.0	5.0	5.0
Seafood & Plant Proteins	Home-IDEA2	1.5 (2.1)	0.0	0.0	0.0	0.0	<b>0.0</b>	<b>4.0</b>	5.0	5.0	5.0
	FoodAPS	1.9 (2.2)	0.0	0.0	0.0	0.0	<b>0.5</b>	<b>5.0</b>	5.0	5.0	5.0
Fatty Acid Ratio	Home-IDEA2	4.4 (4.1)	0.0	0.0	0.0	<b>0.0</b>	3.6	<b>9.8</b>	10.0	10.0	10.0
	FoodAPS	4.9 (4.1)	0.0	0.0	0.0	<b>0.2</b>	4.6	<b>10.0</b>	10.0	10.0	10.0
Sodium	Home-IDEA2	8.0 (2.9)	0.0	<b>0.8</b>	3.1	6.7	<b>10.0</b>	10.0	10.0	10.0	10.0
	FoodAPS	6.7 (0.1)	0.0	<b>0.0</b>	0.0	3.7	<b>8.6</b>	10.0	10.0	10.0	10.0
Refined Grains	Home-IDEA2	6.0 (4.1)	0.0	0.0	0.0	1.7	7.4	10.0	10.0	10.0	10.0
	FoodAPS	6.6 (3.9)	0.0	0.0	0.0	3.4	8.6	10.0	10.0	10.0	10.0
SoFAAS <sup>d</sup>	Home-IDEA2	14.3 (6.5)	0.0	0.0	<b>2.8</b>	10.5	16.5	<b>20.0</b>	20.0	20.0	20.0
	FoodAPS	10.9 (7.3)	0.0	0.0	<b>0.0</b>	4.3	11.6	<b>18.2</b>	20.0	20.0	20.0
Total Score	Home-IDEA2	55.5 (15.7)	19.3	29.4	35.0	45.0	55.9	66.2	75.2	80.2	89.1
	FoodAPS	49.8 (15.4)	17.2	25.7	30.1	38.8	49.5	60.2	70.0	76.2	84.9

<sup>a</sup> Home-IDEA2: Home Inventory Describing Eating and Activity, Version 2. HEI score calculated based on representative food codes and estimated edible grams.

<sup>b</sup> FoodAPS: National Food Acquisition and Purchase Survey. HEI score calculated based on full inventory of reported food codes and total edible grams.

<sup>c</sup> Bold numbers indicate that the lower or upper range appear at different percentiles.

<sup>d</sup> SoFAAS: Solid Fats, Alcohol, Added Sugars