

**Supplemental Table 1: Criteria for scoring the Healthy Eating Index-2015, Alternate Healthy Eating Index-2010, and Mediterranean Diet Score**

	Healthy Eating Index-2015			Alternate Healthy Eating Index-2010			Mediterranean Diet Score		
	Max Score	Criteria for Minimum Score	Criteria for Maximum Score <sup>a</sup>	Max Score	Criteria for Minimum Score	Criteria for Maximum Score <sup>b</sup>	Max Score	Criteria for Minimum Score	Criteria for Maximum Score <sup>c</sup>
Total fruits	5	0	≥0.8 C equiv	-	-	-	5	0	>22 servings
Whole fruit	5	0	≥0.4 C equiv	10	0	≥4 servings	-	-	-
Total vegetables	5	0	≥1.1 C equiv	10	0	≥5 servings	5	0	>33 servings
Greens and beans	5	0	≥0.2 C equiv	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	5	0	>18 servings
Whole grains	10	0	≥1.5 oz equiv	10	0	≥90 g for M ≥75 g for W	5	0	>32 servings
Dairy	10	0	≥1.3 C equiv	-	-	-	5	>30 servings	≤10 servings
Total protein foods	5	0	≥2.5 oz equiv	-	-	-	-	-	-
Poultry	-	-	-	-	-	-	5	≤3 servings	>10 servings
Seafood/plant proteins	5	0	≥0.8 oz equiv	-	-	-	-	-	-
Fish	-	-	-	-	-	-	5	0	>6 servings
Red and processed meat	-	-	-	10	≥1.5 serving	0	5	>10 servings	≤1 serving
Nuts and legumes	-	-	-	10	0	≥1 serving	5	0	>6 servings
Fatty acids	10	(PUFAs + MUFAs) / SFAs ≤1.2	(PUFAs + MUFAs) / SFAs ≥2.5	10	≤2% energy from PUFAs	≥10% energy from PUFAs	5	MUFA/SFA <0.1	MUFA/SFA ≥2.0
Trans fat	-	-	-	10	≥4% energy	≤0.5% energy	-	-	-
Long-chain (n-3) fats	-	-	-	10	0	≥250 mg	-	-	-
Refined grains	10	≥4.3 oz equiv	≤1.8 oz equiv	-	-	-	-	-	-
Sodium	10	≥2.0 g	≤1.1 g	10	Highest decile	Lowest decile	-	-	-
Added sugars	10	≥26% energy	≤6.5% energy	-	-	-	-	-	-
Sugar-sweetened beverages and fruit juice	-	-	-	10	≥1 serving	0	-	-	-
Saturated fats	10	≥16% energy	≤8% energy	-	-	-	-	-	-
Alcohol	-	-	-	10	≥3.5 drinks for M ≥2.5 drinks for W	0.5-2.0 drinks for M 0.5-1.5 drinks for W	5	>700 mL or 0	<300 mL
<b>Total score</b>	<b>100</b>			<b>110</b>			<b>55</b>		

C, cup; equiv, equivalents; g, grams; M, men; mg, milligrams; MUFAs, monounsaturated fatty acids; Oz, ounce; PUFAs, polyunsaturated fatty acids; SFA, saturated fatty acids; W, women

<sup>a</sup> Criteria based on daily intake per 1,000 kcal

<sup>b</sup> Criteria based on daily intake per 1,000 kcal

<sup>c</sup> Criteria based on weekly intake

**Supplemental Table 2: Full statistical results from multivariate-adjusted linear regression models for the Healthy Eating Index-2015, Alternate Healthy Eating Index-2010, and the Mediterranean Diet Score**

	HEI-2015 score		HEI-2015 score + chronic medical conditions		AHEI-2010 score		AHEI-2010 score + chronic medical conditions		MedDiet score		MedDiet score + chronic medical conditions	
	$\beta$	95% CI	$\beta$	95% CI	$\beta$	95% CI	$\beta$	95% CI	$\beta$	95% CI	$\beta$	95% CI
Intercept	49.0	46.1, 51.9	49.1	46.1, 52.0	40.1	37.1, 43.1	39.8	36.7, 42.9	18.3	17.2, 19.3	18.1	17.0, 19.1
Age categories												
60-64	-2.95	-4.66, -1.23	-2.95	-4.71, -1.20	-1.78	-3.21, -0.35	-1.67	-3.15, -0.19	-1.09	-1.57, -0.61	-1.03	-1.53, -0.53
65-69	-0.97	-3.04, 1.09	-0.97	-3.04, 1.11	-0.57	-2.14, 1.00	-0.50	-2.08, 1.08	-0.58	-1.19, 0.03	-0.54	-1.18, 0.10
70-74	-0.64	-2.23, 0.96	-0.65	-2.24, 0.94	0.21	-1.19, 1.61	0.22	-1.17, 1.62	-0.34	-0.94, 0.27	-0.32	-0.92, 0.29
75-79	-1.38	-3.15, 0.40	-1.37	-3.13, 0.40	-0.76	-2.44, 0.92	-0.72	-2.39, 0.95	-0.18	-0.83, 0.47	-0.16	-0.82, 0.49
≥80	Ref.	-	Ref.	-	Ref.	-	Ref.	-	Ref.	-	Ref.	-
Sex												
Male	Ref.	-	Ref.	-	Ref.	-	Ref.	-	Ref.	-	Ref.	-
Female	2.83	1.79, 3.87	2.84	1.80, 3.88	1.42	0.44, 2.39	1.40	0.43, 2.37	1.32	0.94, 1.69	1.32	0.95, 1.69
Race/ethnicity												
Non-Hispanic White	Ref.	-	Ref.	-	Ref.	-	Ref.	-	Ref.	-	Ref.	-
Non-Hispanic Black	-0.22	-1.49, 1.04	-0.22	-1.49, 1.05	-2.21	-3.27, -1.15	-2.20	-3.25, -1.15	-0.23	-0.65, 0.18	-0.21	-0.63, 0.21
Hispanic	3.94	2.71, 5.18	3.95	2.70, 5.21	2.18	1.08, 3.28	2.19	1.10, 3.28	1.51	1.17, 1.85	1.53	1.19, 1.87
Other	4.01	1.81, 6.22	4.00	1.79, 6.20	4.64	2.50, 6.79	4.66	2.52, 6.80	2.06	1.23, 2.90	2.05	1.22, 2.88
Education												
<12 years	Ref.	-	Ref.	-	Ref.	-	Ref.	-	Ref.	-	Ref.	-
High school graduate or equivalent	0.70	-0.52, 1.91	0.68	-0.54, 1.90	0.70	-0.17, 1.57	0.72	-0.14, 1.59	0.12	-0.25, 0.49	0.13	-0.23, 0.50
Some college	2.50	1.17, 3.83	2.49	1.18, 3.81	2.64	1.55, 3.74	2.63	1.54, 3.72	0.80	0.29, 1.31	0.81	0.30, 1.31
College graduate	5.01	2.99, 7.02	5.03	3.02, 7.04	5.11	3.48, 6.75	5.13	3.51, 6.76	1.39	0.80, 1.98	1.41	0.83, 1.99
Poverty income ratio												
≤130% FPL	Ref.	-	Ref.	-	Ref.	-	Ref.	-	Ref.	-	Ref.	-
131-300% FPL	-0.11	-1.15, 0.94	-0.10	-1.15, 0.94	0.87	-0.10, 1.84	0.87	-0.10, 1.84	0.09	-0.25, 0.43	0.09	-0.24, 0.43
Missing	0.89	-0.96, 2.74	0.90	-0.95, 2.75	2.29	0.84, 3.73	2.29	0.85, 3.74	0.15	-0.40, 0.70	0.15	-0.40, 0.70
Marital status												
Married or living with partner	Ref.	-	Ref.	-	Ref.	-	Ref.	-	Ref.	-	Ref.	-
Never married	0.00	-2.46, 2.47	0.01	-2.47, 2.49	0.86	-1.55, 3.28	0.84	-1.58, 3.26	-0.72	-1.59, 0.16	-0.72	-1.60, 0.16
Separated, divorced, widowed	0.28	-0.87, 1.43	0.29	-0.85, 1.42	-0.33	-1.39, 0.74	-0.32	-1.38, 0.75	-0.15	-0.58, 0.27	-0.16	-0.58, 0.27

Smoking status													
Never smoker	Ref.	-	Ref.	-	Ref.	-	Ref.	-	Ref.	-	Ref.	-	
Former smoker	-0.97	-2.16, 0.22	-0.99	-2.18, 0.21	0.15	-0.97, 1.27	0.12	-1.01, 1.26	-0.26	-0.66, 0.13	-0.29	-0.68, 0.11	
Current smoker	-5.63	-7.28, -3.97	-5.67	-7.37, -3.96	-4.07	-5.39, -2.75	-4.10	-5.44, -2.76	-1.57	-2.10, -1.04	-1.61	-2.16, -1.06	
Moderate or vigorous physical activity	4.91	3.67, 6.14	4.88	3.64, 6.13	3.55	2.54, 4.57	3.55	2.53, 4.56	1.28	0.90, 1.66	1.30	0.93, 1.68	
Survey year													
2007-2008	2.64	0.76, 4.52	2.63	0.76, 4.51	1.51	0.03, 2.98	1.53	0.05, 3.01	1.23	0.69, 1.76	1.23	0.70, 1.76	
2009-2010	2.15	0.33, 3.96	2.13	0.30, 3.96	0.73	-0.61, 2.08	0.73	-0.62, 2.08	0.88	0.32, 1.44	0.89	0.33, 1.45	
2011-2012	3.41	1.09, 5.73	3.41	1.09, 5.73	2.14	0.74, 3.54	2.14	0.73, 3.55	1.28	0.61, 1.94	1.27	0.60, 1.93	
2013-2014	1.67	-0.20, 3.54	1.66	-0.18, 3.51	0.81	-0.59, 2.21	0.80	-0.60, 2.20	0.64	0.11, 1.18	0.65	0.11, 1.18	
2015-2016	Ref.	-	Ref.	-	Ref.	-	Ref.	-	Ref.	-	Ref.	-	
Total energy intake (average)	0.00	-0.001, 0.000	0.00	-0.001, 0.000	0.00	-0.001, 0.000	0	-0.001, 0.000	0.001	0.001, 0.001	0.001	0.001, 0.001	
Household food security status													
Food secure	Ref.	-	Ref.	-	Ref.	-	Ref.	-	Ref.	-	Ref.	-	
Marginal food secure	-1.43	-3.18, 0.33	-1.42	-3.19, 0.35	-2.42	-3.76, -1.07	-2.41	-3.77, -1.04	-0.62	-1.11, -0.12	-0.63	-1.12, -0.14	
Food insecure	-1.90	-3.70, -0.09	-1.91	-3.72, -0.10	-1.47	-2.51, -0.44	-1.49	-2.53, -0.45	-0.54	-1.06, -0.01	-0.55	-1.09, -0.02	
Chronic medical conditions													
0 conditions	-	-	Ref.	-	-	-	Ref.	-	-	-	Ref.	-	
1 condition	-	-	-0.15	-1.54, 1.24	-	-	0.46	-0.57, 1.49	-	-	0.25	-0.11, 0.61	
2 conditions	-	-	-0.59	-2.04, 0.87	-	-	0.27	-1.05, 1.59	-	-	0.20	-0.22, 0.61	
3 conditions	-	-	0.87	-0.78, 2.51	-	-	0.86	-0.57, 2.29	-	-	0.16	-0.34, 0.66	
4 or more conditions	-	-	-0.02	-2.12, 2.08	-	-	-0.17	-2.02, 1.67	-	-	0.47	-0.31, 1.24	

**Supplemental Table 3: Full statistical results from multivariate-adjusted logistic regression models comparing individuals in the top quintile to the bottom four quintiles of Healthy Eating Index-2015, Alternate Healthy Eating Index-2010, and the Mediterranean Diet Score**

	HEI-2015 score		HEI-2015 score + chronic medical conditions		AHEI-2010 score		AHEI-2010 score + chronic medical conditions		MedDiet score		MedDiet score + chronic medical conditions	
	OR	95% CI	OR	95% CI	OR	95% CI	OR	95% CI	OR	95% CI	OR	95% CI
Age categories												
60-64	0.66	0.46, 0.94	0.66	0.46, 0.94	0.73	0.49, 1.09	0.73	0.49, 1.08	0.66	0.48, 0.91	0.67	0.48, 0.94
65-69	1.08	0.75, 1.56	1.07	0.74, 1.54	0.90	0.58, 1.39	0.90	0.58, 1.38	0.97	0.69, 1.37	0.99	0.69, 1.41
70-74	1.04	0.73, 1.49	1.04	0.73, 1.48	0.99	0.71, 1.38	0.99	0.71, 1.38	1.14	0.86, 1.53	1.16	0.86, 1.55
75-79	0.78	0.53, 1.15	0.78	0.53, 1.14	0.88	0.61, 1.26	0.88	0.62, 1.26	0.94	0.64, 1.39	0.95	0.65, 1.41
≥80	Ref.	-	Ref.	-	Ref.	-	Ref.	-	Ref.	-	Ref.	-
Sex												
Male	Ref.	-	Ref.	-	Ref.	-	Ref.	-	Ref.	-	Ref.	-
Female	1.65	1.29, 2.11	1.64	1.28, 2.10	1.48	1.16, 1.89	1.49	1.16, 1.91	1.45	1.15, 1.83	1.47	1.17, 1.84
Race/ethnicity												
Non-Hispanic White	Ref.	-	Ref.	-	Ref.	-	Ref.	-	Ref.	-	Ref.	-
Non-Hispanic Black	0.98	0.74, 1.29	0.98	0.74, 1.29	0.67	0.49, 0.92	0.67	0.49, 0.91	1.02	0.76, 1.36	1.02	0.76, 1.38
Hispanic	1.97	1.50, 2.60	1.97	1.49, 2.60	1.48	1.16, 1.90	1.49	1.17, 1.91	1.87	1.52, 2.29	1.88	1.53, 2.31
Other	2.16	1.37, 3.41	2.16	1.36, 3.41	2.52	1.57, 4.05	2.51	1.57, 4.02	2.67	1.81, 3.94	2.67	1.81, 3.93
Education												
<12 years	Ref.	-	Ref.	-	Ref.	-	Ref.	-	Ref.	-	Ref.	-
High school graduate or equivalent	1.18	0.91, 1.52	1.18	0.91, 1.53	1.18	0.92, 1.52	1.17	0.92, 1.50	0.83	0.64, 1.09	0.83	0.63, 1.09
Some college	1.66	1.30, 2.12	1.67	1.31, 2.13	1.83	1.38, 2.43	1.83	1.39, 2.43	1.48	1.12, 1.95	1.47	1.12, 1.95
College graduate	2.70	1.85, 3.93	2.71	1.86, 3.96	2.51	1.85, 3.41	2.54	1.88, 3.43	1.76	1.31, 2.37	1.76	1.31, 2.37
Poverty income ratio												
≤130% FPL	Ref.	-	Ref.	-	Ref.	-	Ref.	-	Ref.	-	Ref.	-
131-300% FPL	1.01	0.80, 1.27	1.01	0.80, 1.28	0.91	0.70, 1.18	0.91	0.70, 1.18	0.93	0.72, 1.20	0.93	0.72, 1.20
Missing	1.06	0.76, 1.48	1.06	0.76, 1.47	1.06	0.78, 1.44	1.07	0.79, 1.45	0.97	0.70, 1.35	0.97	0.70, 1.35
Marital status												
Married or living with partner	Ref.	-	Ref.	-	Ref.	-	Ref.	-	Ref.	-	Ref.	-
Never married	1.42	0.87, 2.33	1.43	0.88, 2.34	1.37	0.82, 2.28	1.37	0.83, 2.27	0.86	0.53, 1.39	0.86	0.53, 1.39
Separated, divorced, widowed	1.14	0.89, 1.48	1.14	0.89, 1.48	0.81	0.60, 1.11	0.81	0.60, 1.10	0.90	0.69, 1.17	0.89	0.68, 1.17
Smoking status												
Never smoker	Ref.	-	Ref.	-	Ref.	-	Ref.	-	Ref.	-	Ref.	-
Former smoker	0.91	0.70, 1.20	0.92	0.70, 1.20	1.02	0.81, 1.28	1.01	0.80, 1.28	1.03	0.80, 1.32	1.01	0.78, 1.31
Current smoker	0.35	0.24, 0.51	0.35	0.24, 0.52	0.44	0.28, 0.70	0.44	0.28, 0.69	0.43	0.28, 0.66	0.42	0.27, 0.65

Moderate or vigorous physical activity	2.05	1.64, 2.56	2.04	1.63, 2.57	1.78	1.41, 2.24	1.78	1.41, 2.26	1.82	1.41, 2.34	1.84	1.43, 2.37
Survey year												
2007-2008	1.63	1.06, 2.50	1.63	1.06, 2.50	1.46	0.95, 2.25	1.46	0.95, 2.24	1.91	1.37, 2.66	1.91	1.37, 2.67
2009-2010	1.44	0.97, 2.15	1.45	0.97, 2.15	1.38	0.92, 2.07	1.38	0.92, 2.06	1.25	0.92, 1.71	1.26	0.92, 1.72
2011-2012	1.51	0.94, 2.41	1.51	0.95, 2.42	1.37	0.90, 2.10	1.37	0.90, 2.09	1.54	1.04, 2.29	1.54	1.04, 2.28
2013-2014	1.38	0.90, 2.10	1.40	0.92, 2.12	1.24	0.86, 1.78	1.24	0.87, 1.77	1.13	0.81, 1.59	1.12	0.79, 1.58
2015-2016	Ref.	-	Ref.	-	Ref.	-	Ref.	-	Ref.	-	Ref.	-
Total energy intake (average)	1.00	1.00, 1.00	1.00	1.00, 1.00	1.00	1.00, 1.00	1.00	1.00, 1.00	1.00	1.00, 1.00	1.00	1.00, 1.00
Household food security status												
Food secure	Ref.	-	Ref.	-	Ref.	-	Ref.	-	Ref.	-	Ref.	-
Marginal food secure	0.96	0.67, 1.38	0.96	0.67, 1.38	0.58	0.41, 0.83	0.58	0.41, 0.83	0.69	0.48, 0.99	0.69	0.48, 0.99
Food insecure	0.67	0.47, 0.96	0.68	0.47, 0.98	0.58	0.43, 0.77	0.57	0.43, 0.76	0.96	0.65, 1.42	0.94	0.64, 1.40
Chronic medical conditions												
0 conditions	-	-	Ref.	-	-	-	Ref.	-	-	-	Ref.	-
1 condition	-	-	1.11	0.85, 1.46	-	-	0.94	0.73, 1.22	-	-	0.99	0.79, 1.25
2 conditions	-	-	0.98	0.70, 1.36	-	-	0.85	0.59, 1.21	-	-	1.15	0.86, 1.54
3 conditions	-	-	0.87	0.60, 1.26	-	-	1.15	0.81, 1.62	-	-	1.11	0.76, 1.63
4 or more conditions	-	-	1.00	0.63, 1.59	-	-	1.14	0.72, 1.80	-	-	1.17	0.78, 1.77