

**Supplementary Table S1:** Bias and agreement between internet-based applications and Nutrition Data System for Research per domains of caloric ranges, energy nutrients, and various diets for major nutrients (N=131).

Parameters (n)	Calories, kcal	Carb, g	Protein, g	Fat, g	Sat Fat, g	Cholesterol, g	Fiber, g
	<i>r</i> (95%CI)	<i>r</i> (95%CI)	<i>r</i> (95%CI)	<i>r</i> (95%CI)	<i>r</i> (95%CI)	<i>r</i> (95%CI)	<i>r</i> (95%CI)
	%diff M ± SD	%diff M ± SD	%diff M ± SD	%diff M ± SD	%diff M ± SD	%diff M ± SD	%diff M ± SD
<b>Caloric Ranges</b>							
<1000 (63)	0.75** (0.62-0.84) -4.26** ± 10.01	0.85** (0.77-0.91) -0.70** ± 12.55	0.80** (0.68-0.87) -6.27** ± 11.35	0.75** (0.61-0.84) -10.58** ± 13.73	0.68** (0.53-0.79) -14.81** ± 15.63	0.95** (0.91-0.97) -6.37** ± 16.24	0.89** (0.83-0.93) 8.23** ± 19.49
1000-2000 (50)	0.76** (0.60-0.85) -4.10** ± 11.67	0.94** (0.89-0.96) 5.15** ± 11.60	0.92** (0.86-0.95) -3.03** ± 9.04	0.56** (0.33-0.72) -14.34** ± 17.19	0.68** (0.50-0.8) -12.52** ± 16.04	0.92** (0.86-0.95) -2.08** ± 10.57	0.98** (0.97-0.99) 10.86** ± 10.64
>2000 (18)	0.57* (0.14-0.82) -11.56 ± 25.71	0.55* (0.15-0.8) -9.98 ± 29.51	0.65* (0.29-0.85) -12.03* ± 23.09	0.73** (0.41-0.89) -16.16** ± 23.74	0.76** (0.48-0.9) -13.62** ± 22.15	0.70** (0.37-0.87) -7.27 ± 23.06	0.43 (-0.02-0.73) -10.21 ± 35.72
<b>Energy Nutrients</b>							
Fat	0.61** (0.43-0.74) -12.37** ± 15.54	0.56** (0.37-0.71) -3.40 ± 20.26	0.70** (0.55-0.8) -9.80** ± 15.08	-	0.70** (0.56-0.81) -24.48** ± 14.86	0.74** (0.61-0.84) -9.84** ± 16.43	0.60** (0.41-0.74) 3.39 ± 24.82
Protein	0.76** (0.64-0.85) -9.64** ± 15.20	0.73** (0.59-0.82) -4.86* ± 18.89	-	0.80** (0.69-0.87) -14.55** ± 14.59	0.81** (0.71-0.88) -17.51** ± 14.30	0.84** (0.75-0.9) -9.20** ± 17.09	0.73** (0.59-0.82) -0.93 ± 22.80
Carbohydrate	0.71** (0.58-0.82) -11.47** ± 15.50	-	0.78** (0.67-0.86) -10.03** ± 12.60	0.70** (0.55-0.8) -15.76** ± 18.42	0.73** (0.59-0.82) -16.78** ± 16.25	0.80** (0.69-0.87) -4.51* ± 13.47	0.78** (0.66-0.86) -2.58 ± 21.81
<b>Diet Types</b>							
Pure Liquid (8)	0.99** (0.93-1.0) -0.38 ± 7.32	1.0** (0.99-1.0) 2.88 ± 4.52	0.79* (0.18-0.96) -9.53 ± 17.28	0.79* (0.19-0.96) -0.66 ± 17.65	0.57 (-0.23-0.91) -12.82 ± 21.72	0.23 (-0.57-0.8) -27.99** ± 30.20	1.00** (0.97-1.0) 11.69 ± 32.54
Convenient Diet (30)	0.81** (0.63-0.9) 8.30** ± 12.81	0.85** (0.71-0.93) 4.18** ± 9.94	0.94** (0.88-0.97) 1.85 ± 10.41	0.59** (0.29-0.78) -23.65** ± 20.16	0.78** (0.58-0.89) -19.50** ± 22.79	0.96** (0.92-0.98) -5.52* ± 13.23	0.74** (0.51-0.87) 18.46** ± 15.91
Canned Food (10)	0.15 (-0.53-0.71) -6.83* ± 9.16	0.95** (0.79-0.99) 5.60** ± 4.15	1.0** (0.98-1.0) 3.84** ± 4.35	0.29 (-0.42-0.78) -27.27** ± 17.56	0.04 (-0.61-0.65) -29.80** ± 14.44	0.78* (0.31-0.95) -17.74** ± 3.92	0.99** (0.96-1.0) 29.33** ± 16.50
High School (10)	0.95** (0.8-0.99) 0.55 ± 3.84	0.97** (0.89-0.99) 5.50** ± 2.64	0.89** (0.6-0.97) 0.42 ± 8.33	0.93** (0.74-0.98) -5.32* ± 5.35	0.89** (0.61-0.98) 2.22 ± 8.31	0.77* (0.27-0.94) 2.72 ± 8.48	0.85* (0.48-0.96) 12.77** ± 6.58
Fast Food (10)	-0.22 (-0.75-0.48) -18.61** ± 14.93	0.11 (-0.56-0.69) 1.43 ± 16.78	-0.03 (-0.65-0.61) 1.30 ± 15.94	0.21 (-0.48-0.74) -38.36** ± 18.54	0.23 (-0.46-0.75) -30.94** ± 18.11	0.76* (0.25-0.94) -1.55 ± 14.77	-0.39 (-0.82-0.32) 13.29** ± 17.43
Ethnic Food (71)	0.95** (0.92-0.97) -3.22** ± 9.90	0.93** (0.88-0.95) 2.01 ± 13.96	0.96** (0.93-0.97) -7.40** ± 8.35	0.92** (0.88-0.95) -9.14** ± 8.53	0.91** (0.86-0.94) -11.73** ± 11.65	0.96** (0.93-0.97) -1.05 ± 7.86	0.97** (0.96-0.98) 5.39** ± 12.12
Western Diet (38)	0.85** (0.72-0.92) -1.90 ± 9.66	0.77** (0.6-0.87) 2.86* ± 14.24	0.86** (0.74-0.92) -5.15** ± 7.57	0.84** (0.72-0.92) -6.53** ± 9.03	0.83** (0.69-0.91) -6.10** ± 11.27	0.84** (0.71-0.91) -0.59 ± 8.10	0.89** (0.8-0.94) 5.37** ± 13.40
Mexican (10)	0.66* (0.06-0.91) 3.40 ± 11.83	0.62 (-0.01-0.9) 13.04* ± 17.65	0.91** (0.66-0.98) -5.01** ± 3.45	0.83* (0.42-0.96) -6.59 ± 11.83	0.78* (0.29-0.94) -6.45 ± 11.52	0.49 (-0.2-0.86) -3.49** ± 3.26	0.83* (0.43-0.96) 15.54** ± 8.92
Italian (10)	0.56 (-0.11-0.88) -1.31 ± 3.10	0.94** (0.77-0.99) 4.46** ± 1.98	-0.17 (-0.72-0.51) -2.95 ± 7.29	0.22 (-0.47-0.75) -8.11** ± 3.76	0.01 (-0.62-0.63) -8.65** ± 5.05	-0.08 (-0.68-0.58) -3.51 ± 6.14	0.96** (0.83-0.99) 7.89** ± 4.59
Mediterranean (9)	0.03 (-0.65-0.68) -6.80 ± 8.68	0.74* (0.14-0.94) -3.11 ± 8.65	0.54 (-0.19-0.89) -10.10 ± 9.10	0.06 (-0.63-0.7) -8.94 ± 10.88	-0.05 (-0.69-0.63) -4.56 ± 18.09	0.62 (-0.08-0.91) -3.11 ± 9.58	0.92** (0.66-0.98) 1.21 ± 7.62
American (9)	0.46 (-0.29-0.86) -3.53 ± 11.07	0.65 (-0.02-0.92) -4.27 ± 16.67	0.41 (-0.35-0.85) -2.81 ± 8.34	0.21 (-0.53-0.77) -2.28 ± 7.41	0.05 (-0.64-0.69) -4.41 ± 8.22	0.66 (-0.00-0.92) 8.39** ± 6.19	0.90* (0.58-0.98) -4.59 ± 19.76
Eastern Diet (33)	0.98** (0.96-0.99) -4.75** ± 10.10	0.97** (0.95-0.99) 1.03 ± 13.78	0.98** (0.96-0.99) -9.99 ± 8.57	0.98** (0.96-0.99) -12.15 ± 6.88	0.98** (0.96-0.99) -18.22 ± 8.30	0.98** (0.96-0.99) -1.59 ± 7.67	0.99** (0.98-1.0) 5.41 ± 10.67
Japanese (10)	0.89** (0.58-0.97) -3.13** ± 2.20	0.96** (0.84-0.99) 1.92* ± 2.86	0.99** (0.97-1.0) -4.57** ± 1.61	0.66* (0.06-0.91) -8.34** ± 3.76	0.66* (0.05-0.91) -15.11** ± 2.88	1.00** (0.98-1.0) 1.89** ± 1.38	1.00** (0.99-1.0) 7.58** ± 4.40
Chinese (10)	0.82* (0.40-0.96) -6.85** ± 2.31	0.95** (0.79-0.99) 1.83* ± 2.87	0.93** (0.74-0.98) -10.74** ± 1.57	0.78* (0.30-0.95) -16.71** ± 2.09	0.70* (0.13-0.92) -20.09** ± 1.88	0.66* (0.05-0.91) -2.46 ± 10.33	0.95** (0.80-0.99) 7.74** ± 3.88
Korean (13)	0.98** (0.93-0.99) -4.38 ± 16.07	0.97** (0.91-0.99) -0.26 ± 22.16	0.98** (0.95-1.0) -13.57** ± 12.38	0.99** (0.96-1.0) -11.57** ± 9.09	0.98** (0.94-0.99) -19.16** ± 12.77	0.99** (0.97-1.0) -3.58* ± 7.76	0.99** (0.97-1.0) 1.96 ± 16.02
Smoothie (22)	0.62* (0.27-0.83) -9.13 ± 23.79	0.46* (0.05-0.74) -7.70 ± 27.16	0.65* (0.32-0.84) -9.86* ± 21.40	0.77** (0.52-0.9) -14.12** ± 23.53	0.79** (0.56-0.91) -12.90** ± 21.37	0.77** (0.52-0.9) -7.80 ± 22.04	0.11 (-0.33-0.51) -6.89 ± 33.37

Note: Carb: carbohydrate; Sat Fat: saturated fat; *r*: pairwise for intraclass correlation coefficient; CI: confidence interval; %diff: % difference against Nutrition Data System for Research; M: mean; SD: standard deviation; *r*: correlation; \**p* < 0.05; \*\**p* < 0.001.

**Supplementary Table S2.** Bias and agreement between internet-based application and Nutrition Data System for Research per domains of caloric ranges, energy nutrients, and various diets for vitamins Bs (N=131).

Parameters (n)	Thiamin, mg <i>r</i> ** (95%CI) %diff M ± SD	Riboflavin, mg <i>r</i> ** (95%CI) %diff M ± SD	Niacin, mg <i>r</i> ** (95%CI) %diff M ± SD	Pyridoxine, mg <i>r</i> ** (95%CI) %diff M ± SD	Folate, mcg <i>r</i> ** (95%CI) %diff M ± SD	Cobalamin, mcg <i>r</i> ** (95%CI) %diff M ± SD
<b>Calories</b>						
<1000 (63)	0.83**(0.74-0.9) 6.68** ± 11.25	0.71**(0.56-0.81) -0.14 ± 11.51	0.84**(0.74-0.9) 2.08 ± 13.03	0.94**(0.9-0.96) -2.75** ± 11.43	0.78**(0.66-0.86) 12.79** ± 18.86	0.72**(0.58-0.82) -13.43** ± 18.61
1000-2000 (50)	0.90**(0.83-0.94) 10.16** ± 9.41	0.87**(0.78-0.92) 3.47** ± 10.18	0.88**(0.80-0.93) 1.23 ± 8.57	0.98**(0.97-0.99) -2.91** ± 8.23	0.95**(0.91-0.97) 9.54** ± 10.94	0.53**(0.3-0.7) -12.27** ± 15.28
>2000 (18)	0.59*(0.21-0.82) -4.44 ± 24.81	0.61*(0.23-0.83) -7.77 ± 23.64	0.68**(0.35-0.87) -7.00 ± 25.08	0.54*(0.13-0.79) -14.18 ± 31.15	0.55*(0.14-0.8) -5.35 ± 27.79	0.44(-0.0-0.74) -17.83* ± 26.04
<b>Energy Nutrients</b>						
Fat	0.65**(0.48-0.77) 2.27 ± 16.95	0.66**(0.5-0.78) -3.02 ± 16.57	0.71**(0.56-0.81) -4.60* ± 14.94	0.62**(0.45-0.75) -8.76** ± 18.74	0.69**(0.54-0.8) 4.18 ± 19.94	0.60**(0.41-0.73) -18.66** ± 19.32
Protein	0.77**(0.65-0.85) 3.05 ± 16.66	0.80**(0.69-0.87) -6.17* ± 14.70	0.81**(0.71-0.88) -4.64* ± 14.87	0.74**(0.61-0.84) -10.24** ± 17.48	0.77**(0.66-0.86) 2.10 ± 17.62	0.77**(0.65-0.86) -22.90** ± 17.58
Carbohydrate	0.74**(0.6-0.83) 1.01 ± 15.70	0.78**(0.7-0.86) -5.14* ± 13.32	0.80**(0.69-0.87) -4.87* ± 13.62	0.75**(0.62-0.84) -10.05** ± 17.39	0.76**(0.64-0.85) 1.97 ± 17.00	0.73**(0.6-0.83) -16.33** ± 18.73
<b>Diet Types</b>						
Pure Liquid (8)	0.95**(0.76-0.99) 6.94 ± 12.73	0.47(-0.35-0.88) -11.68 ± 16.58	0.98**(0.91-1.0) 14.12 ± 23.59	1.00**(0.99-1.0) 5.91 ± 18.77	0.96**(0.77-0.99) 20.05** ± 38.13	0.38(-0.44-0.86) -22.04** ± 23.39
Convenient Diet (30)	0.93**(0.86-0.97) 8.67** ± 11.98	0.92**(0.83-0.96) 7.67** ± 10.65	0.92**(0.84-0.96) 2.06 ± 9.88	0.80**(0.62-0.9) -1.11 ± 10.32	0.80**(0.62-0.9) 0.47** ± 15.55	0.79**(0.59-0.89) -8.11** ± 12.91
Canned Food (10)	0.94**(0.76-0.99) 4.35 ± 8.21	0.80*(0.33-0.95) 7.54** ± 4.12	0.93**(0.72-0.98) 0.88 ± 1.71	0.96**(0.82-0.99) 2.93* ± 4.32	0.97**(0.89-0.99) 30.51** ± 15.86	0.21(-0.48-0.74) -8.96** ± 1.84
High School (10)	0.95**(0.81-0.99) 16.87** ± 5.15	0.93**(0.73-0.98) 10.83** ± 7.23	0.88**(0.55-0.97) 4.19 ± 7.01	0.91**(0.64-0.98) -2.73 ± 4.54	0.93**(0.72-0.98) 19.10** ± 6.64	0.70*(0.12-0.92) -12.51* ± 15.18
Fast Food (10)	0.26(-0.44-0.76) 4.78 ± 16.0	-0.03(-0.65-0.61) 4.63 ± 16.58	-0.32(-0.79-0.39) 1.05 ± 15.97	-0.30(-0.78-0.41) -3.54 ± 16.62	0.43(-0.27-0.83) 11.81** ± 16.93	0.01(-0.62-0.63) -2.87 ± 15.82
Ethnic Food (71)	0.97**(0.95-0.98) 8.68** ± 10.01	0.97**(0.95-0.98) 0.85 ± 8.66	0.95**(0.91-0.97) -0.01 ± 9.09	0.98**(0.97-0.99) -5.06** ± 8.13	0.97**(0.96-0.98) 7.10** ± 9.35	0.76**(0.64-0.85) -13.62** ± 16.05
Western Diet (38)	0.96**(0.92-0.98) 11.36** ± 7.06	0.87**(0.76-0.93) 2.28 ± 9.92	0.84**(0.72-0.92) 2.26 ± 7.59	0.92**(0.84-0.96) -5.21** ± 6.72	0.91**(0.83-0.95) 7.78** ± 9.60	0.77**(0.60-0.88) -12.82** ± 14.22
Mexican (10)	0.96**(0.84-0.99) 15.27** ± 5.64	0.80*(0.35-0.95) 4.38 ± 7.37	0.96**(0.82-0.99) 1.45 ± 2.95	0.56(-0.11-0.88) -3.22 ± 5.15	0.77*(0.28-0.94) 11.94** ± 9.62	-0.19(-0.73-0.5) -14.35** ± 4.66
Italian (10)	0.96**(0.84-0.99) 7.56** ± 1.59	0.51(-0.17-0.86) 1.65 ± 4.83	-0.24(-0.76-0.46) 6.51* ± 12.01	0.84*(0.45-0.96) -3.17 ± 4.76	0.93**(0.74-0.98) 5.02** ± 2.75	0.03(-0.61-0.65) -9.77* ± 10.05
Mediterranean (9)	0.81**(0.32-0.96) 12.97** ± 7.19	-0.22(-0.77-0.52) 1.83 ± 14.80	0.95**(0.78-0.99) -1.70 ± 2.66	0.82*(0.35-0.96) -7.82* ± 7.28	0.94**(0.74-0.99) 8.68** ± 6.48	0.03(-0.65-0.68) -27.93** ± 16.92
American (9)	0.60(-0.11-0.9) 9.60* ± 9.83	0.50(-0.24-0.88) 1.08 ± 11.87	0.65(-0.02-0.92) 2.40 ± 6.82	0.93**(0.68-0.98) -7.08* ± 8.89	0.70*(0.07-0.93) 5.32 ± 15.27	0.57(-0.15-0.89) 0.58 ± 6.08
Eastern Diet (33)	0.98**(0.95-0.99) 5.60** ± 11.97	0.99**(0.99-1.0) -0.80 ± 6.71	0.98**(0.96-0.99) -2.62 ± 10.05	0.99**(0.97-0.99) -4.88** ± 9.61	0.99**(0.97-0.99) 6.31** ± 9.14	0.78**(0.59-0.89) -14.55** ± 18.11
Japanese (10)	0.96**(0.84-0.99) -0.28 ± 2.17	0.97**(0.87-0.99) 0.97 ± 1.59	1.00**(0.98-1.0) 0.97** ± 0.87	1.00**(0.99-1.0) -1.76 ± 2.47	0.99**(0.96-1.0) 9.44** ± 2.95	1.0**(0.99-1.0) 8.90** ± 3.65
Chinese (10)	0.96**(0.82-0.99) 13.70** ± 1.81	0.87*(0.54-0.97) -0.38 ± 2.39	0.88**(0.56-0.97) -5.82** ± 1.92	0.97**(0.87-0.99) -7.11** ± 2.21	0.99**(0.97-1.0) 3.65** ± 0.83	0.97**(0.89-0.99) -20.62** ± 4.73
Korean (13)	0.98**(0.94-0.99) 3.89 ± 17.01	0.99**(0.98-1.0) -2.49 ± 10.40	0.98**(0.93-0.99) -2.91 ± 15.71	0.99**(0.96-1.0) -5.57 ± 15.0	0.99**(0.96-1.0) 5.94* ± 14.20	0.95**(0.85-0.99) -27.91** ± 12.88
Smoothie (22)	0.55*(0.17-0.79) -3.77 ± 22.21	0.57*(0.20-0.8) -7.81 ± 21.57	0.66**(0.34-0.85) -4.86 ± 23.20	0.36(-0.07-0.68) -10.38 ± 29.07	0.28(-0.16-0.63) -4.18 ± 25.22	0.58*(0.20-0.8) -17.89** ± 27.84

Note: *r*: pairwise for intraclass correlation coefficient; CI: confidence interval; %diff: % difference against Nutrition Data System for Research; M: mean; SD: standard deviation; *r*: correlation; \**p* < 0.05; \*\**p* < 0.001.

**Supplementary Table S3.** Bias and agreement between internet-based application and Nutrition Data System for Research per domains of caloric ranges, energy nutrients, and various diets for methyl donors and vitamins A, C, and D (N=131).

Parameters (n)	Methionine <sup>^</sup> , g <i>r</i> ** (95%CI) %diff M ± SD	Choline, mg <i>r</i> ** (95%CI) %diff M ± SD	Glycine, g <i>r</i> ** (95%CI) %diff M ± SD	Vitamin A, IU <i>r</i> ** (95%CI) %diff M ± SD	Vitamin C, mcg <i>r</i> ** (95%CI) %diff M ± SD	Vitamin D, mcg <i>r</i> ** (95%CI) %diff M ± SD
<b>Calories</b>						
<1000 (63)	0.83**(0.74-0.9) -9.97** ± 11.85	0.88**(0.82-0.93) -5.30** ± 9.93	0.76**(0.64-0.85) -11.43** ± 14.41	0.95**(0.92-0.97) 34.51** ± 18.60	0.85**(0.77-0.91) 4.70* ± 25.54	0.91**(0.86-0.95) -0.81 ± 12.28
1000-2000(50)	0.90**(0.82-0.94) -5.84** ± 9.63	0.94**(0.90-0.97) -2.95** ± 8.34	0.88**(0.80-0.93) -7.83** ± 9.84	0.99**(0.98-0.99) 33.32** ± 19.88	0.99**(0.98-0.99) 5.13** ± 13.98	0.61**(0.41-0.76) 2.68** ± 16.35
>2000 (18)	0.67*(0.33-0.86) -12.66** ± 22.51	0.50*(0.07-0.77) -6.10 ± 45.37	0.65*(0.29-0.85) -14.43** ± 24.44	0.50*(0.08-0.77) -9.60 ± 57.99	0.61*(0.23-0.83) -13.12 ± 38.08	0.86**(0.68-0.95) 0.59 ± 16.50
<b>Energy Nutrients</b>						
Fat	0.72**(0.58-0.82) -12.49** ± 14.80	0.48**(0.27-0.65) -7.23* ± 24.94	0.71**(0.57-0.81) -15.35** ± 15.48	0.69**(0.54-0.8) 22.84** ± 38.59	0.69**(0.54-0.8) -0.11 ± 31.11	0.84**(0.75-0.9) -1.70 ± 16.26
Protein	0.85**(0.76-0.9) -16.67** ± 11.63	0.77**(0.66-0.86) -12.07** ± 13.77	0.84**(0.75-0.9) -19.87** ± 12.36	0.73**(0.59-0.82) 18.49** ± 37.16	0.74**(0.61-0.84) -4.82 ± 28.92	0.86**(0.78-0.91) -2.28 ± 15.82
Carbohydrate	0.80**(0.69-0.87) -11.83** ± 12.21	0.74**(0.61-0.83) -9.94** ± 13.97	0.79**(0.68-0.87) -14.68** ± 13.84	0.76**(0.64-0.85) 21.10** ± 38.60	0.81**(0.71-0.88) -1.84 ± 29.26	0.80**(0.69-0.87) -0.62 ± 14.36
<b>Diet Types</b>						
Pure Liquid (8)	0.64(-0.12-0.93) -18.58* ± 18.21	0.91*(0.56-0.98) -7.0 ± 15.99	0.77*(0.13-0.96) -16.0 ± 23.29	0.98**(0.89-1.0) 35.27** ± 30.34	0.99**(0.95-1.0) -11.32 ± 26.18	0.29(-0.52-0.83) -15.48* ± 22.57
Convenient Diet (30)	0.94**(0.88-0.97) -1.54** ± 10.27	0.92**(0.84-0.96) 0.66 ± 10.35	0.92**(0.83-0.96) -2.51* ± 10.75	0.75**(0.54-0.88) 46.93** ± 16.17	0.90**(0.81-0.95) 15.17** ± 18.46	0.83**(0.67-0.92) 4.51 ± 13.94
Canned Food (10)	0.99**(0.98-1.0) -2.08** ± 1.0	0.98**(0.90-0.99) 5.06** ± 6.19	0.99**(0.98-1.0) 0.87 ± 4.62	0.92**(0.71-0.98) 34.18** ± 14.47	-0.31(-0.78-0.4) 22.51* ± 18.05	0.65*(0.03-0.91) -6.82** ± 2.33
High School (10)	0.86*(0.50-0.97) -2.35 ± 9.10	0.87*(0.54-0.97) -1.86 ± 5.55	0.80*(0.33-0.95) -4.41 ± 10.58	0.13(-0.55-0.7) 53.82** ± 13.05	0.94**(0.75-0.99) -0.44 ± 5.38	0.56(-0.10-0.88) 12.98** ± 9.18
Fast Food (10)	0.12(-0.55-0.7) -0.20 ± 15.90	0.37(-0.34-0.81) -1.22 ± 15.60	0.05(-0.60-0.66) -4.0 ± 14.83	0.16(-0.52-0.72) 52.78** ± 13.83	0.99**(0.95-1.0) 23.43** ± 18.36	0.24(-0.46-0.76) 7.38 ± 17.45
Ethnic Food (71)	0.94**(0.91-0.96) -10.17** ± 8.83	0.97**(0.95-0.98) -6.3 ** ± 7.05	0.92**(0.87-0.95) -12.80** ± 10.54	0.99**(0.98-0.99) 31.40 ± 16.48	0.92**(0.87-0.95) 1.85** ± 20.45	0.97**(0.95-0.98) 2.62** ± 8.34
Western Diet (38)	0.82**(0.67-0.9) -8.21 ± 8.60	0.86**(0.75-0.93) -4.88 ± 7.15	0.79**(0.62-0.88) -10.11 ± 9.71	0.94**(0.89-0.97) 38.82** ± 13.55	0.89**(0.80-0.94) -3.51 ± 17.93	0.91**(0.83-0.95) 3.06 ± 9.74
Mexican (10)	0.94**(0.77-0.99) -10.65** ± 1.99	0.69*(0.10-0.92) -3.36 ± 5.45	0.90**(0.61-0.98) -9.79** ± 2.91	0.94**(0.77-0.99) 36.40** ± 6.97	0.87**(0.53-0.97) -6.04 ± 9.31	0.18(-0.51-0.73) 3.30 ± 10.72
Italian (10)	-0.23(-0.75-0.47) -5.36 ± 8.07	-0.06(-0.66-0.59) -5.56* ± 6.54	-0.34(-0.80-0.37) -5.51 ± 9.85	0.99**(0.97-1.0) 38.05** ± 9.74	0.99**(0.97-1.0) 1.30 ± 3.89	0.29(-0.41-0.78) -2.64 ± 10.43
Mediterranean (9)	0.63(-0.05-0.91) -13.16* ± 11.20	0.17(-0.55-0.75) -7.70 ± 8.66	0.85*(0.43-0.97) -21.13** ± 6.59	0.99**(0.97-1.0) 41.53** ± 16.18	1.00**(0.99-1.0) -10.94** ± 5.80	0.66(-0.01-0.92) 9.41** ± 1.93
American (9)	0.51(-0.23-0.88) -3.71 ± 8.42	0.61(-0.09-0.91) -2.98 ± 7.95	0.58(-0.14-0.9) -4.55 ± 8.70	0.86*(0.46-0.97) 39.64** ± 20.21	0.75*(0.18-0.94) 1.38 ± 34.82	0.44(-0.32-0.85) 2.75 ± 9.88
Eastern Diet (33)	0.97**(0.95-0.99) -12.43** ± 8.67	0.99**(0.97-0.99) -7.95** ± 6.67	0.96**(0.91-0.98) -15.89** ± 10.75	0.99**(0.98-1.0) 22.86** ± 15.55	0.92**(0.85-0.96) 8.03** ± 21.68	0.99**(0.99-1.0) 2.12** ± 6.46
Japanese (10)	0.99**(0.98-1.0) -7.16** ± 1.94	0.99**(0.97-1.0) -6.70** ± 1.36	0.99**(0.98-1.0) -6.48** ± 1.65	1.00**(0.98-1.0) 40.95** ± 12.02	1.00**(1.0-1.0) 12.37** ± 8.91	1.00**(0.99-1.0) 1.27** ± 2.27
Chinese (10)	0.97**(0.87-0.99) -13.76** ± 1.52	0.55(-0.12-0.88) -5.88 ± 5.37	0.95**(0.80-0.99) -19.15** ± 1.58	1.00**(1.0-1.0) 18.22** ± 5.25	1.00**(0.99-1.0) 1.44 ± 3.41	0.99**(0.96-1.0) 3.83** ± 3.58
Korean (13)	0.98**(0.93-0.99) -15.46** ± 12.71	0.99**(0.97-1.0) -10.50** ± 9.15	0.97**(0.90-0.99) -20.63** ± 14.05	0.99**(0.98-1.0) 12.52** ± 10.44	0.89**(0.67-0.97) 9.77 ± 33.62	0.99**(0.97-1.0) 1.46 ± 9.71
Smoothie (22)	0.70**(0.40-0.87) -10.49** ± 21.01	0.41(-0.01-0.71) -4.88 ± 40.98	0.66**(0.33-0.85) -11.79** ± 22.86	0.23(-0.21-0.59) -11.46 ± 47.91	0.54*(0.16-0.79) -8.18 ± 35.77	0.83**(0.62-0.93) -4.73 ± 21.74

Note: <sup>^</sup>Methionine RDI derived from a standard weight of 65 kg; *r*: pairwise for intraclass correlation coefficient; CI: confidence interval; %diff: % difference against Nutrition Data System for Research; M: mean; SD: standard deviation; *r*: correlation; \**p* <0.05; \*\**p* <0.001.

**Supplementary Table S4.** Bias and agreement between internet-based application and Nutrition Data System for Research per domains of caloric ranges, energy nutrients, and various diets for vitamin E and minerals (N=131).

Parameters (n)	Vitamin E, mcg	Zinc, mg	Calcium, mg	Magnesium, mg	Iron, mg	Sodium, mg
	<i>r</i> ** (95%CI)	<i>r</i> ** (95%CI)	<i>r</i> ** (95%CI)	<i>r</i> ** (95%CI)	<i>r</i> ** (95%CI)	<i>r</i> ** (95%CI)
	%diff M ± SD	%diff M ± SD	%diff M ± SD	%diff M ± SD	%diff M ± SD	%diff M ± SD
<b>Caloric Ranges</b>						
<1000 (63)	0.81** (0.70-0.88) 7.55** ± 22.56	0.50** (0.29-0.66) -12.21** ± 16.74	-0.11 (-0.34-0.14) 10.35 ± 41.41	0.83** (0.73-0.89) 2.22** ± 13.05	0.72** (0.58-0.82) 6.54** ± 21.09	0.83** (0.74-0.89) -18.09** ± 16.56
1000-2000 (50)	0.63** (0.43-0.77) -5.53 ± 22.04	0.57** (0.35-0.73) -11.98** ± 10.61	0.81** (0.69-0.89) -6.32** ± 11.60	0.98** (0.96-0.99) 4.02** ± 9.26	0.87** (0.78-0.92) 3.42** ± 9.53	0.50** (0.26-0.68) -15.84** ± 17.39
>2000 (18)	0.53* (0.12-0.79) -11.82 ± 28.51	0.64* (0.28-0.84) -14.89* ± 23.66	0.53* (0.12-0.79) -8.04 ± 23.10	0.55* (0.14-0.80) -8.78 ± 29.71	0.66* (0.31-0.85) -9.77 ± 22.78	0.59* (0.19-0.82) -36.59** ± 22.07
<b>Energy Nutrients</b>						
Fat	0.64** (0.47-0.76) -11.78** ± 25.18	0.60** (0.42-0.74) -17.36** ± 17.82	0.26* (0.02-0.47) -4.31 ± 29.77	0.60** (0.42-0.74) -2.20 ± 19.80	0.68** (0.53-0.79) -1.09 ± 18.61	0.51** (0.30-0.67) -22.24** ± 17.12
Proteins	0.73** (0.60-0.83) -0.53 ± 21.28	0.81** (0.71-0.88) -21.96** ± 13.68	0.25* (0.01-0.47) 1.06 ± 41.65	0.74** (0.61-0.83) -5.60* ± 17.18	0.82** (0.73-0.89) -5.09* ± 15.91	0.72** (0.58-0.82) -24.65** ± 16.64
Carbohydrate	0.68** (0.52-0.79) -5.29 ± 25.05	0.75** (0.62-0.84) -17.42** ± 14.91	0.28* (0.04-0.48) -1.53 ± 34.90	0.75** (0.62-0.84) -4.62* ± 17.33	0.81** (0.70-0.88) -4.47* ± 15.87	0.69** (0.54-0.8) -25.93** ± 17.06
<b>Diet Type</b>						
Pure Liquid (8)	0.99** (0.93-1.0) 21.70 ± 44.47	0.49 (-0.33-0.89) -12.66 ± 23.51	-0.32 (-0.84-0.49) -12.76 ± 21.24	0.96** (0.77-0.99) 3.21 ± 19.25	0.77* (0.14-0.96) 18.50 ± 46.19	0.84* (0.32-0.97) -13.88 ± 43.08
Convenient Diet (30)	0.40* (0.05-0.67) 19.65** ± 24.43	0.83** (0.68-0.92) -3.99* ± 13.02	0.93** (0.87-0.97) -1.47 ± 11.27	0.84** (0.69-0.92) 10.45** ± 11.41	0.86** (0.72-0.93) 14.04** ± 12.83	0.93** (0.86-0.97) -8.88** ± 13.38
Canned Food (10)	0.51 (-0.17-0.86) 20.0 ± 21.14	0.99** (0.96-1.0) 8.50** ± 3.19	0.90** (0.61-0.98) 0.31 ± 3.09	0.99** (0.96-1.0) 15.67** ± 5.52	0.99** (0.97-1.0) 25.71** ± 2.20	0.98** (0.9-1.0) -20.02** ± 6.81
High School (10)	0.92** (0.68-0.98) 2.18 ± 5.56	0.90** (0.63-0.98) -10.13** ± 7.42	0.94** (0.77-0.99) 3.19 ± 7.30	0.91** (0.66-0.98) 10.22** ± 5.68	0.92** (0.70-0.98) 9.90** ± 5.45	0.89** (0.61-0.98) 1.42 ± 7.57
Fast Food (10)	0.27 (-0.43-0.77) 41.13** ± 20.09	-0.25 (-0.76-0.45) -10.33 ± 14.86	0.20 (-0.49-0.74) -7.90 ± 16.52	0.06 (0.59-0.67) 5.45 ± 17.29	-0.16 (-0.72-0.52) 6.52 ± 16.21	0.25 (-0.45-0.76) -8.05 ± 14.71
Ethnic Food (71)	0.93** (0.89-0.96) -8.58** ± 10.84	0.91** (0.86-0.94) -16.45** ± 11.44	0.22 (0.01-0.43) 7.99 ± 39.24	0.98** (0.97-0.99) -0.33 ± 9.25	0.97** (0.94-0.98) 0.58 ± 9.95	0.91** (0.86-0.95) -18.38** ± 10.23
Western Diet (38)	0.64** (0.4-0.8) 7.91** ± 12.15	0.78** (0.61-0.88) -16.28** ± 10.44	0.60** (0.34-0.77) -5.63* ± 15.05	0.80** (0.64-0.89) 0.01 ± 9.12	0.96** (0.92-0.98) 1.80 ± 8.51	0.91** (0.84-0.95) -12.18** ± 7.86
Mexican (10)	-0.25 (-0.76-0.45) 4.04 ± 18.06	0.76* (0.26-0.94) -15.31** ± 5.61	0.74* (0.21-0.93) -11.41** ± 10.40	0.89** (0.59-0.97) 2.23 ± 5.64	0.96** (0.82-0.99) 5.36** ± 3.82	0.88** (0.55-0.97) -8.01** ± 5.55
Italian (10)	0.99** (0.94-1.0) 11.91** ± 3.61	-0.42 (-0.83-0.29) -12.10** ± 11.32	0.44 (-0.26-0.84) -7.64** ± 6.25	0.74* (0.20-0.93) 0.46 ± 4.09	0.40 (-0.31-0.82) 6.76** ± 4.97	0.62 (-0.01-0.9) -16.40** ± 3.35
Mediterranean (9)	0.95** (0.78-0.99) 0.74 ± 6.09	-0.25 (-0.79-0.49) -23.17** ± 13.26	-0.25 (-0.78-0.5) 1.89 ± 21.36	0.61 (-0.09-0.91) 2.12 ± 8.16	0.75* (0.18-0.94) -8.90** ± 5.36	-0.26 (-0.79-0.49) -12.23* ± 10.70
American (9)	0.81* (0.30-0.96) 14.93** ± 10.60	0.22 (-0.52-0.77) -15.11** ± 8.41	0.12 (-0.59-0.73) -4.51 ± 17.70	0.59 (-0.13-0.9) -5.07 ± 14.93	0.47 (-0.28-0.86) 3.03 ± 9.22	0.17 (-0.55-0.75) -12.06** ± 8.94
Eastern Diet (33)	0.98** (0.96-0.99) 9.36** ± 9.22	0.95** (0.89-0.97) -16.65** ± 12.67	0.34 (0.01-0.61) 23.67 ± 51.30	0.99** (0.98-1.0) -0.72 ± 9.53	0.98** (0.95-0.99) -0.82 ± 11.36	0.97** (0.95-0.99) -25.53** ± 7.68
Japanese (10)	0.93** (0.72-0.98) 15.91** ± 6.21	0.98** (0.93-1.0) -5.54** ± 1.16	0.99** (0.96-1.0) 2.44 ± 0.79	1.0** (0.99-1.0) 3.76** ± 0.93	0.93** (0.71-0.98) 6.93** ± 4.03	0.65* (0.03-0.91) -27.38** ± 3.71
Chinese (10)	0.98** (0.9-0.99) 1.35 ± 3.21	0.66* (0.05-0.91) -22.09** ± 1.80	0.97** (0.86-0.99) -8.44** ± 1.51	0.86* (0.49-0.97) -0.98 ± 3.19	0.93** (0.71-0.98) -3.74** ± 1.71	0.79* (0.31-0.95) -21.70** ± 3.30
Korean (13)	0.99** (0.98-1.0) 10.49** ± 9.98	0.96** (0.87-0.99) -21.01** ± 16.62	0.22 (-0.38-0.69) 64.70* ± 62.91	0.99** (0.97-1.0) -3.98 ± 14.34	0.98** (0.94-0.99) -4.54 ± 16.05	0.98** (0.94-1.0) -27.05** ± 11.01
Smoothie (22)	0.44* (0.02-0.73) 9.39 ± 26.64	-0.62* (0.27-0.82) -11.24 ± 23.16	0.57* (0.2-0.8) -10.46 ± 20.70	0.24 (-0.21-0.6) -6.03 ± 27.38	0.61* (0.25-0.82) -9.25* ± 20.28	0.67** (0.35-0.85) -41.27** ± 17.60

Note: *r*: pairwise for intraclass correlation coefficient; CI: confidence interval; %diff: % difference against Nutrition Data System for Research; M: mean; SD: standard deviation; *r*: correlation; \**p* < 0.05; \*\**p* < 0.001.

**Supplementary Table S5.** Progression on selecting significant factors contributing to the differences between Internet-based Application and Nutrition Data System for Research on total calories.

Parameters	Logistic Regression original model				Generalized Regression Elastic Net model validation			
	p ( $\chi^2$ )	MR	AICc	AUC	p ( $\chi^2$ )	MR	AICc	AUC
<b><u>Caloric Range, % Difference</u></b>								
< 1000	0.5467	0.5556	44.75	0.6335	0.5657	0.5556	44.75	0.6335
> 2000	0.1798				0.1875			
<b><u>Energy Nutrients, % Difference</u></b>								
Fat	0.0001	0.2593	36.63	0.8636	<0.0001	0.2593	35.83	0.8636
Carbohydrate	0.0003				<0.0001			
Protein	0.0454				0.0489			
<b><u>Diet Types</u></b>								
Fast Food	0.9148	0.4074	64.03	0.5142	0.0262	0.4074	44.71	0.5142
Chinese	0.9148				<0.0001			
<b><u>Combined Factor Model: 3 Factors</u></b> (Table 3)								
< 1000 caloric range	0.0318	0.1852	30.29	0.8920	0.0313	0.1852	30.29	0.8920
Protein % Difference	0.0118				0.0109			
Fat % Difference	<0.0001				<0.0001			
<b><u>Combined Factor Model: 4 Factors</u></b>								
< 1000 caloric range	0.0213	0.1852	33.09	0.8977	0.0212	0.1852	33.09	0.8977
Protein % Difference	0.0360				0.0332			
Fat % Difference	<0.0001				<0.0001			
Chinese	0.9073				<0.0001			

Note: MR: misclassification rate; AICc: Akaike's information criterion with corrections; AUC: Area under the curve

**Supplementary Table S6.** Progression on selecting significant factors contributing to the differences between Internet-based Application and Nutrition Data System for Research on folate.

Parameters	Logistic Regression original model				Generalized Regression Elastic Net model validation			
	p ( $\chi^2$ )	MR	AICc	AUC	p ( $\chi^2$ )	MR	AICc	AUC
<b><u>Caloric Range, % Difference</u></b>								
< 1000	0.0038	0.4074	44.53	0.6382	0.0454	0.4074	44.05	0.6382
<b><u>Energy Nutrients, % Difference</u></b>								
Carbohydrate	0.1436	0.3333	42.66	0.7697	0.1428	0.3333	42.66	0.7697
Protein	0.0529				0.0533			
Fiber	0.2859				0.2810			
<b><u>Diet Types</u></b>								
Canned food	0.8927	0.4815	45.67	0.8618	<0.0001	0.4815	45.67	0.8618
High School	0.8927				<0.0001			
Italian	0.8926				<0.0001			
Chinese	0.8783				<0.0001			
Smoothie	0.0342				0.0342			
<b><u>Combined Factor Model: 3 Factors</u></b> (Table 4)								
Calories range < 1000	0.0033	0.2963	38.52	0.9046	0.0033	0.2963	38.52	0.9046
Carbohydrate % Difference	0.0001				0.0001			
Italian diet	0.8842				<0.0001			
<b><u>Combined Factor Model: 4 Factors</u></b>								
Calories range < 1000	0.0119	0.2963	38.88	0.9112	0.0119	0.2963	38.88	0.9112
Carbohydrate % Difference	0.0004				0.0003			
Italian diet	0.9085				<0.0001			
Chinese diet	0.9039				<0.0001			

Note: MR: misclassification rate; AICc: Akaike's information criterion with corrections; AUC: Area under the curve

**Supplementary Table S7.** Progression on selecting significant factors contributing to the differences between Internet-based Application and Nutrition Data System for Research on cobalamin.

Parameters	Logistic Regression original model				Generalized Regression Elastic Net model validation			
	p ( $\chi^2$ )	MR	AICc	AUC	p ( $\chi^2$ )	MR	AICc	AUC
<b><u>Caloric Range, % Difference</u></b>								
> 2000	0.1480	0.5185	42.21	0.5167	0.6025	0.5185	41.84	0.5167
<b><u>Energy Nutrients, % Difference</u></b>								
Protein	<0.0001	0.2593	36.33	0.7583	<0.0001	0.2593	35.86	0.7583
<b><u>Diet Types</u></b>								
Mexican	0.0269	0.2963	45.45	0.8000	0.0269	0.2963	45.45	0.8000
Mediterranean	0.0269				0.0269			
American	0.8968				<0.0001			
Japanese	0.8830				<0.0001			
Chinese	0.8716				<0.0001			
Korea	0.0134				0.0134			
<b><u>Combined Factor Model: 3 Factors</u></b> (Table 5)								
Protein % Difference	<0.0001	0.2593	37.73	0.8083	<0.0001	0.2593	37.42	0.8083
American	0.9124				0.0002			
Japanese	0.8929				<0.0001			
<b><u>Combined Factor Model: 4 Factors</u></b>								
Protein % Difference	<0.0001	0.2593	40.58	0.8111	<0.0001	0.2593	40.42	0.8111
American	0.8910				<0.0001			
Japanese	0.8671				<0.0001			
Chinese	0.9105				<0.0001			
<b><u>Combined Factor Model: 5 Factors</u></b>								
Protein % Difference	<0.0001	0.2222	42.87	0.8361	<0.0001	0.222	42.56	0.8361
Mexican	0.0290				0.0363			
American diet	0.8915				0.0002			
Japanese diet	0.8680				<0.0001			
Chinese diet	0.9093				0.0111			

Note: MR: misclassification rate; AICc: Akaike's information criterion with corrections; AUC: Area under the curve

**Supplementary Table S8.** Summary of significant factors contributing to the differences between Internet-based Application and Nutrition Data System for Research on major nutrients.

Parameters	Carbohydrate	Protein	Fat	Saturated Fat	Cholesterol	Fiber
	% Difference	% Difference	% Difference	% Difference	% Difference	% Difference
<b>Caloric range</b>						
1000-2000	-	0.0086	-	-	-	0.0219
<b>Energy Nutrients, % Difference</b>						
Total Calories	<0.0001	<0.0001	-	0.0027	-	-
Carbohydrate	n/a	-	-	-	-	<0.0001
Protein	-	n/a	-	-	0.0053	-
Fat	-	-	n/a	0.0002	0.0018	-
Saturated fat	-	-	<0.0001	n/a	-	-
Cholesterol	-	0.0114	0.0020	-	n/a	-
Fiber	<0.0001	-	-	-	-	n/a
<b>Diet Types</b>						
Pure liquid	-	-	-	-	-	-
Canned-food	-	<0.0001	-	-	<0.0001	<0.0001
Fast foods	-	-	0.0273	-	-	-
Italian	<0.0001	-	-	-	-	-
American	-	-	-	-	<0.0001	-
Japanese	-	-	-	-	<0.0001	-
Korean	-	-	-	0.0042	-	-
MR	0.2222	0.1111	0.1111	0.1111	0.2222	0.1481
AICc	32.6010	32.2818	27.34	23.9683	36.8539	30.5846
AUC	0.8097	0.9000	0.9278	0.9753	0.9176	0.9056

Note: MR: misclassification rate; AICc: Akaike's information criterion with corrections; AUC: Area under the curve. Insignificant parameters are excluded: caloric ranges of <1000 and >2000, pure liquid diet, high school diet, Mexican diet, Mediterranean diet, Chinese diet, and smoothie-added diet.



**Supplementary Table S9.** Summary of significant factors contributing to the differences between Internet-based Application and Nutrition Data System for Research on methyl-donors and co-factors.

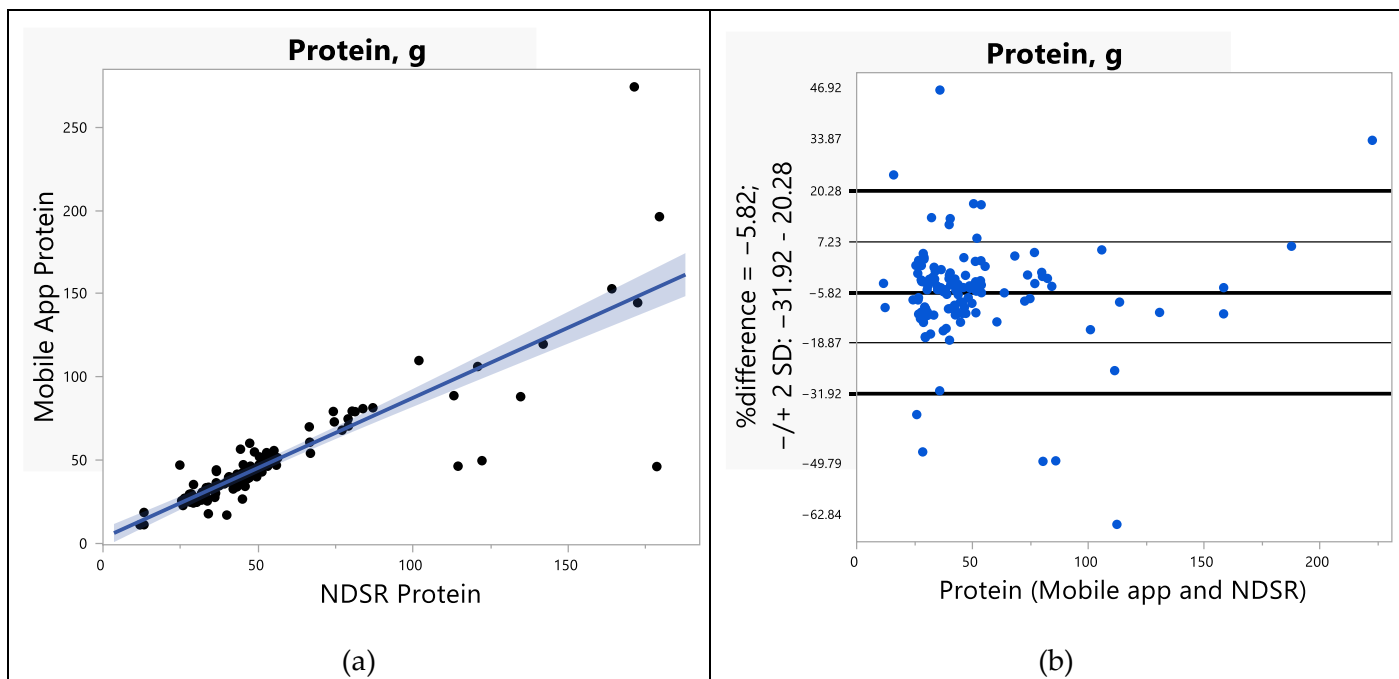
Parameters	Thiamin % Difference	Riboflavin % Difference	Niacin % Difference	Pyridoxine % Difference	Choline % Difference	Glycine % Difference	Zinc % Difference
<b>Energy Nutrients, % Difference</b>							
Total Calories	0.0018	-	<0.0001	<0.0001	<0.0001	-	0.0148
Carbohydrate	-	<0.0001	-	-	-	-	-
Protein	-	0.0015	-	-	-	<0.0001	0.0002
Fat	-	-	-	-	-	-	-
Fiber	0.0057	-	-	-	-	-	-
<b>Diet Types</b>							
Canned-food	-	-	-	<0.0001	<0.0001	<0.0001	<0.0001
High School	<0.0001	<0.0001	-	-	-	-	-
Japanese	-	-	-	-	-	<0.0001	<0.0001
Chinese	<0.0001	-	<0.0001	-	-	-	-
MR	0.2222	0.1852	0.1111	0.0741	0.1111	0.0370	0.1852
AICc	35.7070	29.7176	27.0972	24.2056	25.5887	19.7628	34.5265
AUC	0.9091	0.9056	0.8971	0.9176	0.8892	0.9659	0.8750

Note. MR: misclassification rate; AICc: Akaike's information criterion with corrections; AUC: Area under the curve. Insignificant parameters are excluded: all calories ranges, pure liquid diet, fast food diet, Mexican diet, Italian diet, Mediterranean diet, American diet, Korean diet and smoothie-added diet.

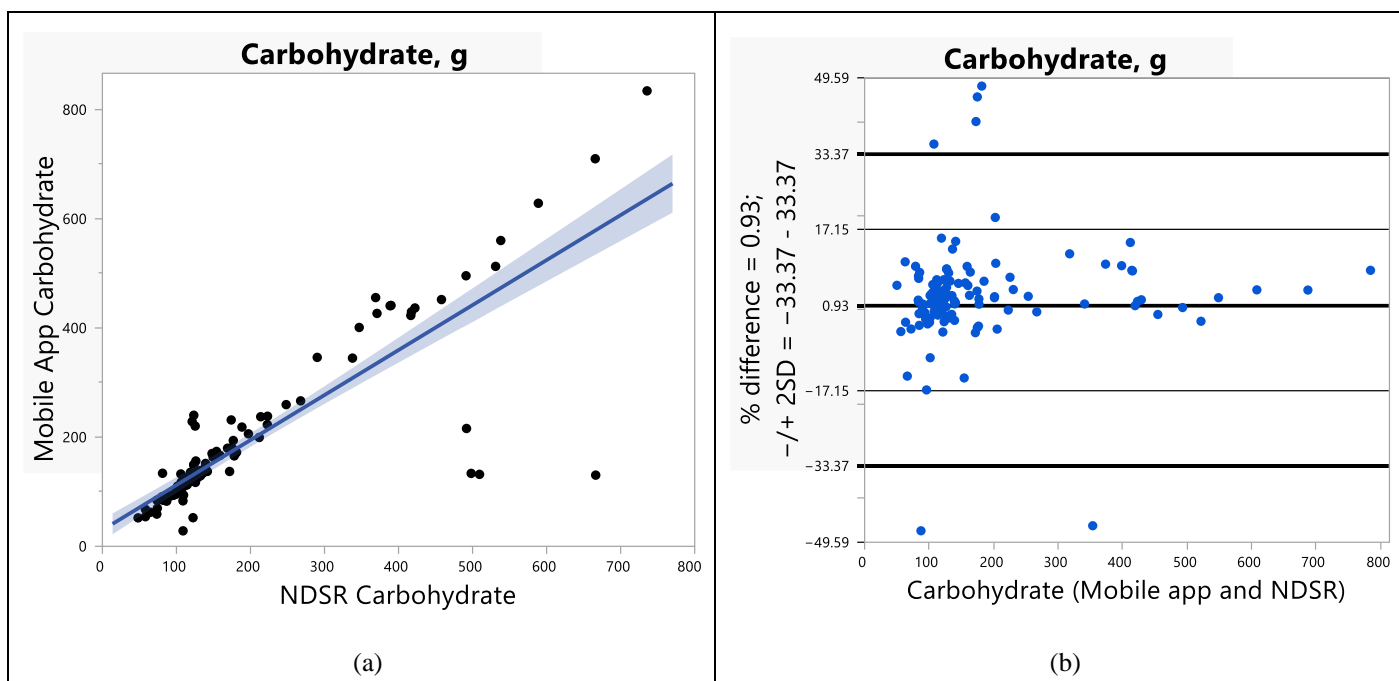
**Supplementary Table S10.** Summary of significant factors contributing to the differences between Internet-based Application and Nutrition Data System for Research on other vitamins and minerals.

Parameters	Vitamin A	Vitamin D	Vitamin E	Vitamin C	Calcium	Magnesium	Iron	Sodium
	% Difference	% Difference	% Difference	% Difference	% Difference	% Difference	% Difference	% Difference
<b>Energy Nutrients, % Difference</b>								
Total calories	-	-	-	-	-	0.0012	-	-
Protein	0.0039	-	-	-	-	0.0101	0.0050	-
Fat	-	-	0.0032	-	-	-	-	-
Saturated Fat	-	-	-	-	-	-	-	0.0214
Cholesterol	-	0.0002	-	-	<0.0001	-	-	-
Fiber	-	-	-	0.0042	-	0.0325	-	-
<b>Diet Types</b>								
Canned-food	-	<0.0001	-	-	-	<0.0001	-	-
High School	-	-	-	-	-	<0.0001	<0.0001	<0.0001
Fast-food	-	-	<0.0001	<0.0001	-	-	-	-
Mexican	-	-	-	0.0247-	0.0154	-	-	<0.0001
Italian	-	-	<0.0001	-	-	-	-	-
Mediterranean	-	<0.0001	-	-	-	-	<0.0001	-
Chinese	-	-	-	-	<0.0001	-	-	-
Korean	<0.0001	-	-	-	-	-	-	-
Smoothie-added	<0.0001	-	-	-	-	-	-	-
MR	0.1852	0.1852	0.2222	0.2222	0.3333	0.2222	0.1111	0.2963
AICc	31.1746	35.9705	37.1307	38.3823	41.7396	32.8717	33.4985	39.1133
AUC	0.8516	0.8472	0.8040	0.8022	0.7250	0.8892	0.8977	0.7500

Note. MR: misclassification rate; AICc: Akaike's information criterion with corrections; AUC: Area under the curve. Insignificant parameters are excluded: all caloric ranges of <1000, 1000 – 2000, and >2000, pure liquid diet, canned food diet, American diet, and Japanese diet.



**Supplementary Figure S1.** (a) Correlation, (b) Bland-Altman plots between internet-based application and Nutrition Data System for Research (NDSR) for protein (a, b).



**Supplementary Figure S2.** (a) Correlation, (b) Bland-Altman plots between internet-based application and Nutrition Data System for Research (NDSR) for carbohydrate (a, b).