Indicators of Diet Quality, Nutrition, and Health for Americans by Program Participation Status, 2011–2016: WIC Report



Appendix B. Healthy Eating Index







USDA is an equal opportunity provider, employer, and lender

Indicators of Diet Quality, Nutrition, and Health for Americans by Program Participation Status, 2011–2016: WIC Report

Appendix B. Healthy Eating Index



October 2021

Authors

Stacy Gleason Dani Hansen Breanna Wakar

Submitted to

USDA Food and Nutrition Service, Office of Policy Support 1320 Braddock Place Alexandria, VA 22314

Project Officer

Michael Burke

Submitted by

Insight Policy Research, Inc. 1901 North Moore Street Suite 1100 Arlington, VA 22209

Project Director

Stacy Gleason

Contents

Appendix B. Healthy Eating Index	1
Table B.1. Healthy Eating Index-2015 Scores for Young Children WIC Participants and Nonparticipants by Age and Gender	1
Table B.2. Healthy Eating Index-2010 Scores for Young Children WIC Participants and Nonparticipants by Age and Gender	9

Appendix B. Healthy Eating Index

Subarour	Maximum Possible	All Young C	hildren	WIC Partici	pants	Income-El Nonpartici		Higher Income Nonparticipants	
Subgroup	HEI Score	Mean Score	Standard Error	Mean Score	Standard Error	Mean Score	Standard Error	Mean Score	Standard Error
			All Yo	oung Children 2–4	ears Old				
Both genders									
Sample size	-	1,724	-	627	-	586	-	504	-
Total fruits	5	5.0	(0.04)	5.0	(0.07)	4.9	(0.10)	4.8	(0.11)
Whole fruits	5	5.0	(0.01)	4.9	(0.12)	4.8	(0.13)	5.0	(0.04)
Total vegetables	5	2.1	(0.06)	2.3	(0.11)	2.1	(0.09)	2.0	(0.11)
Greens and beans	5	1.6	(0.14)	2.1	(0.26)	1.4 *	(0.20)	1.6	(0.21)
Whole grains	10	3.2	(0.14)	3.0	(0.21)	2.8	(0.20)	3.8 *	(0.27)
Dairy	10	9.9	(0.11)	9.6	(0.15)	9.6	(0.27)	9.9	(0.11)
Total protein foods	5	4.1	(0.09)	4.2	(0.13)	4.1	(0.16)	3.9	(0.14)
Seafood and plant proteins	5	2.9	(0.17)	2.9	(0.27)	2.5	(0.25)	3.3	(0.31)
Fatty acids	10	2.5	(0.14)	3.1	(0.25)	2.3 *	(0.22)	2.3 *	(0.24)
Refined grains	10	5.9	(0.21)	5.9	(0.32)	6.2	(0.30)	5.5	(0.40)
Sodium	10	5.9	(0.14)	5.7	(0.21)	6.1	(0.22)	5.9	(0.24)
Added sugars	10	7.3	(0.14)	7.7	(0.22)	6.8 **	(0.22)	7.7	(0.21)
Saturated fats	10	5.1	(0.16)	5.7	(0.23)	5.1	(0.28)	4.8 *	(0.29)
Total HEI-2015 score	100	60.5	(0.62)	61.9	(1.02)	58.7 *	(0.94)	60.5	(1.13)
Boys	· · ·								
Sample size	_	850	_	310	-	287	-	248	-
Total fruits	5	5.0	(0.03)	5.0	(0.03)	4.9	(0.13)	4.9	(0.16)
Whole fruits	5	5.0	(0.01)	5.0	(0.08)	4.8	(0.21)	5.0	(0.08)
Total vegetables	5	2.0	(0.08)	2.2	(0.14)	2.1	(0.15)	1.9	(0.16)
Greens and beans	5	1.6	(0.18)	1.9	(0.27)	1.4	(0.30)	1.5	(0.32)
Whole grains	10	3.1	(0.18)	3.4	(0.31)	2.6	(0.26)	3.4	(0.32)
Dairy	10	9.8	(0.20)	9.4	(0.19)	9.5	(0.48)	10.0 **	(0.08)

Table B.1. Healthy Eating Index-2015 Scores for Young Children WIC Participants and Nonparticipants by Age and Gender

Insight = Indicators of Diet Quality, Nutrition, and Health for Americans by Program Participation Status, 2011–2016: WIC Report, Appendix B. Healthy Eating Index

Subgroup	Maximum Possible	All Young Cl	nildren	WIC Partici	pants	Income-Eligible Nonparticipants		Higher Income Nonparticipants	
Subgroup	HEI Score	Mean Score	Standard Error	Mean Score	Standard Error	Mean Score	Standard Error	Mean Score	Standard Error
Total protein foods	5	4.0	(0.13)	4.4	(0.16)	4.0	(0.21)	3.7 **	(0.19)
Seafood and plant proteins	5	2.8	(0.24)	3.3	(0.39)	2.3 *	(0.30)	3.0	(0.43)
Fatty acids	10	2.6	(0.18)	3.3	(0.29)	2.5	(0.29)	2.3 *	(0.28)
Refined grains	10	5.6	(0.30)	5.3	(0.48)	5.9	(0.38)	5.5	(0.54)
Sodium	10	6.0	(0.18)	5.3	(0.29)	6.4 *	(0.31)	6.2 *	(0.31)
Added sugars	10	7.3	(0.20)	8.2	(0.25)	6.7 ***	(0.25)	7.3 *	(0.34)
Saturated fats	10	5.4	(0.23)	5.9	(0.31)	5.5	(0.43)	5.1	(0.39)
Total HEI-2015 score	100	60.3	(0.89)	62.5	(1.64)	58.6	(1.29)	59.6	(1.66)
Girls	· · ·		· · ·		· · ·		· · ·		·
Sample size	-	874	-	317	-	299	-	256	_
Total fruits	5	5.0	(0.07)	4.9	(0.14)	4.9	(0.15)	4.8	(0.13)
Whole fruits	5	5.0	(0.02)	4.8	(0.23)	4.9	(0.17)	5.0	(0.04)
Total vegetables	5	2.1	(0.10)	2.3	(0.18)	2.1	(0.12)	2.1	(0.16)
Greens and beans	5	1.7	(0.21)	2.2	(0.44)	1.4	(0.25)	1.7	(0.26)
Whole grains	10	3.3	(0.22)	2.5	(0.28)	2.9	(0.31)	4.2 **	(0.43)
Dairy	10	9.9	(0.09)	9.8	(0.24)	9.8	(0.21)	9.8	(0.20)
Total protein foods	5	4.1	(0.14)	4.0	(0.20)	4.1	(0.24)	4.2	(0.21)
Seafood and plant proteins	5	3.1	(0.25)	2.6	(0.37)	2.7	(0.39)	3.7	(0.46)
Fatty acids	10	2.4	(0.23)	2.9	(0.40)	2.1	(0.32)	2.3	(0.38)
Refined grains	10	6.1	(0.30)	6.5	(0.43)	6.6	(0.46)	5.5	(0.58)
Sodium	10	5.8	(0.21)	6.0	(0.30)	5.8	(0.30)	5.6	(0.36)
Added sugars	10	7.4	(0.19)	7.1	(0.36)	6.8	(0.37)	8.1 *	(0.25)
Saturated fats	10	4.8	(0.23)	5.4	(0.34)	4.8	(0.36)	4.5	(0.43)
Total HEI-2015 score	100	60.8	(0.87)	61.2	(1.18)	58.8	(1.37)	61.4	(1.52)

Subgroup	Maximum Possible	All Young C	hildren	WIC Partic	ipants	Income-El Nonpartici		Higher Ine Nonpartici	
Subgroup	HEI Score	Mean Score	Standard Error	Mean Score	Standard Error	Mean Score	Standard Error	Mean Score	Standard Error
				2-Year-Olds					
Both genders									
Sample size	-	701	_	282	_	222	_	193	_
Total fruits	5	5.0	(0.00)	5.0	(0.01)	4.9	(0.15)	5.0	(0.11)
Whole fruits	5	5.0	(0.01)	5.0	(0.12)	4.8	(0.22)	5.0	(0.01)
Total vegetables	5	2.0	(0.09)	1.9	(0.13)	2.0	(0.15)	2.1	(0.17)
Greens and beans	5	1.5	(0.20)	1.1	(0.17)	1.6	(0.42)	1.8	(0.35)
Whole grains	10	3.4	(0.22)	2.8	(0.37)	3.2	(0.38)	4.2 *	(0.41)
Dairy	10	10.0	(0.00)	10.0	(0.02)	10.0	(0.02)	10.0	(0.00)
Total protein foods	5	3.8	(0.14)	3.8	(0.19)	3.8	(0.29)	3.9	(0.19)
Seafood and plant proteins	5	2.5	(0.24)	1.8	(0.24)	2.4	(0.36)	3.2 *	(0.57)
Fatty acids	10	1.9	(0.21)	2.4	(0.38)	1.2 *	(0.31)	2.1	(0.39)
Refined grains	10	6.6	(0.29)	6.7	(0.49)	6.3	(0.40)	6.7	(0.55)
Sodium	10	6.2	(0.20)	6.6	(0.39)	5.9	(0.29)	6.1	(0.29)
Added sugars	10	7.8	(0.24)	7.5	(0.44)	7.3	(0.34)	8.5	(0.36)
Saturated fats	10	4.8	(0.25)	5.3	(0.34)	4.4	(0.50)	4.6	(0.46)
Total HEI-2015 score	100	60.5	(0.92)	60.0	(1.30)	57.8	(1.34)	63.1	(1.88)
Boys	<u> </u>								
Sample size	_	327	-	126	_	108	-	90	_
Total fruits	5	5.0	(0.01)	5.0	(0.02)	5.0	(0.14)	4.9	(0.21)
Whole fruits	5	5.0	(0.01)	5.0	(0.16)	4.7	(0.43)	5.0	(0.02)
Total vegetables	5	1.8	(0.12)	1.9	(0.15)	2.0	(0.24)	1.6	(0.22)
Greens and beans	5	1.0	(0.25)	1.1	(0.28)	1.3 u	(0.58)	0.8 u	(0.30)
Whole grains	10	3.2	(0.31)	2.7	(0.36)	3.4	(0.55)	3.5	(0.53)
Dairy	10	10.0	(0.00)	10.0	(0.04)	10.0	(0.03)	10.0	(0.00)
Total protein foods	5	3.8	(0.20)	3.8	(0.25)	4.0	(0.46)	3.6	(0.26)
Seafood and plant proteins	5	2.2	(0.36)	1.8	(0.36)	2.1	(0.39)	2.8 u	(0.91)
Fatty acids	10	2.0	(0.27)	2.6	(0.38)	1.3 * u	(0.41)	2.1	(0.43)

Insight • Indicators of Diet Quality, Nutrition, and Health for Americans by Program Participation Status, 2011–2016: WIC Report, Appendix B. Healthy 3 Eating Index

Subgroup	Maximum Possible	All Young C	hildren	WIC Partic	WIC Participants		igible pants	Higher Income Nonparticipants	
Subgroup	HEI Score	Mean Score	Standard Error	Mean Score	Standard Error	Mean Score	Standard Error	Mean Score	Standard Error
Refined grains	10	6.1	(0.47)	6.2	(0.80)	6.1	(0.64)	6.1	(0.89)
Sodium	10	6.1	(0.26)	6.4	(0.51)	5.8	(0.45)	6.1	(0.41)
Added sugars	10	7.8	(0.34)	7.9	(0.59)	7.3	(0.51)	8.1	(0.57)
Saturated fats	10	4.8	(0.38)	5.7	(0.43)	4.4	(0.80)	4.4	(0.57)
Total HEI-2015 score	100	58.9	(1.38)	60.1	(1.90)	57.3	(1.88)	59.1	(2.82)
Girls	· · ·								
Sample size	-	374	_	156	-	114	-	103	-
Total fruits	5	5.0	(0.00)	5.0	(0.01)	4.9	(0.28)	5.0	(0.00)
Whole fruits	5	5.0	(0.00)	5.0	(0.17)	5.0	(0.07)	5.0	(0.00)
Total vegetables	5	2.2	(0.14)	2.0	(0.22)	2.0	(0.18)	2.5	(0.26)
Greens and beans	5	2.0	(0.31)	1.2	(0.18)	1.9 u	(0.60)	2.8 *	(0.65)
Whole grains	10	3.7	(0.32)	3.0	(0.66)	2.9	(0.52)	5.0 *	(0.63)
Dairy	10	10.0	(0.00)	10.0	(0.01)	10.0	(0.02)	10.0	(0.00)
Total protein foods	5	3.9	(0.19)	3.7	(0.28)	3.7	(0.35)	4.2	(0.27)
Seafood and plant proteins	5	2.7	(0.31)	1.8	(0.33)	2.7	(0.62)	3.7 *	(0.68)
Fatty acids	10	1.8	(0.33)	2.2 u	(0.67)	1.1 u	(0.47)	2.0 u	(0.66)
Refined grains	10	7.1	(0.32)	7.3	(0.55)	6.6	(0.47)	7.3	(0.65)
Sodium	10	6.3	(0.31)	6.8	(0.60)	6.0	(0.38)	6.0	(0.42)
Added sugars	10	7.7	(0.32)	7.0	(0.65)	7.2	(0.46)	8.9 *	(0.44)
Saturated fats	10	4.7	(0.32)	5.0	(0.52)	4.4	(0.60)	4.7	(0.74)
Total HEI-2015 score	100	62.1	(1.20)	59.9	(1.77)	58.3	(1.91)	67.2 *	(2.48)
				3-Year-Olds					
Both genders									
Sample size	-	522	-	186	-	171	-	162	-
Total fruits	5	5.0	(0.02)	5.0	(0.09)	4.9	(0.17)	5.0	(0.08)
Whole fruits	5	5.0	(0.00)	4.9	(0.19)	4.8	(0.30)	5.0	(0.00)
Total vegetables	5	2.0	(0.10)	2.1	(0.12)	2.2	(0.17)	1.9	(0.19)
Greens and beans	5	1.3	(0.18)	1.8	(0.31)	1.1	(0.25)	1.2	(0.36)

Subgroup	Maximum Possible	All Young C	hildren	WIC Partic	ipants	Income-El Nonpartici		Higher Income Nonparticipants	
Subgroup	HEI Score	Mean Score	Standard Error	Mean Score	Standard Error	Mean Score	Standard Error	Mean Score	Standard Error
Whole grains	10	3.2	(0.25)	3.1	(0.34)	2.6	(0.31)	3.6	(0.44)
Dairy	10	10.0	(0.06)	10.0	(0.10)	9.8	(0.35)	9.8	(0.28)
Total protein foods	5	4.2	(0.16)	4.6	(0.19)	4.0	(0.29)	4.2	(0.27)
Seafood and plant proteins	5	3.3	(0.31)	3.8	(0.49)	2.3 *	(0.47)	3.6	(0.47)
Fatty acids	10	2.6	(0.27)	3.3	(0.36)	2.2	(0.45)	2.4	(0.46)
Refined grains	10	6.2	(0.37)	6.4	(0.62)	6.3	(0.66)	6.1	(0.69)
Sodium	10	5.9	(0.28)	5.6	(0.30)	6.3	(0.38)	5.8	(0.53)
Added sugars	10	7.4	(0.24)	7.9	(0.27)	6.7 *	(0.42)	7.5	(0.41)
Saturated fats	10	5.0	(0.30)	5.5	(0.36)	5.0	(0.51)	4.9	(0.53)
Total HEI-2015 score	100	61.1	(1.25)	63.8	(1.70)	58.1 *	(1.79)	61.0	(2.14)
Boys	· · ·								
Sample size	-	271	-	97	-	93	-	79	-
Total fruits	5	5.0	(0.03)	5.0	(0.07)	4.9	(0.21)	5.0	(0.16)
Whole fruits	5	5.0	(0.00)	5.0	(0.18)	4.8	(0.36)	5.0	(0.00)
Total vegetables	5	2.0	(0.11)	2.1	(0.18)	2.2	(0.27)	1.7	(0.21)
Greens and beans	5	1.6	(0.32)	2.1	(0.45)	1.1 u	(0.41)	1.7 u	(0.69)
Whole grains	10	2.9	(0.32)	3.1	(0.54)	2.1	(0.33)	3.4	(0.62)
Dairy	10	10.0	(0.01)	10.0	(0.08)	9.7	(0.60)	10.0	(0.06)
Total protein foods	5	4.1	(0.25)	4.7	(0.26)	3.7 **	(0.33)	4.0	(0.47)
Seafood and plant proteins	5	3.1	(0.37)	4.1	(0.67)	2.4 *	(0.49)	3.0	(0.66)
Fatty acids	10	2.3	(0.33)	3.4	(0.40)	2.2	(0.61)	1.8 * u	(0.55)
Refined grains	10	5.9	(0.57)	5.8	(0.81)	5.7	(0.66)	6.1	(1.17)
Sodium	10	6.1	(0.34)	5.1	(0.46)	6.8 *	(0.53)	6.2	(0.71)
Added sugars	10	7.2	(0.38)	8.3	(0.37)	6.7 **	(0.40)	7.1	(0.72)
Saturated fats	10	5.3	(0.42)	5.8	(0.40)	4.9	(0.70)	5.2	(0.77)
Total HEI-2015 score	100	60.6	(1.74)	64.4	(2.53)	57.3 *	(1.79)	60.2	(3.34)

Insight • Indicators of Diet Quality, Nutrition, and Health for Americans by Program Participation Status, 2011–2016: WIC Report, Appendix B. Healthy Eating Index

Subgroup	Maximum Possible	All Young C	hildren	WIC Participants		Income-Eligible Nonparticipants		Higher Income Nonparticipants	
Subgroup	HEI Score	Mean Score	Standard Error	Mean Score	Standard Error	Mean Score	Standard Error	Mean Score	Standard Error
Girls									
Sample size	-	251	-	89	-	78	-	83	-
Total fruits	5	5.0	(0.01)	4.9	(0.16)	4.9	(0.27)	5.0	(0.02)
Whole fruits	5	5.0	(0.00)	4.9	(0.35)	4.7	(0.49)	5.0	(0.00)
Total vegetables	5	2.1	(0.18)	2.0	(0.16)	2.3	(0.22)	2.1	(0.32)
Greens and beans	5	1.0	(0.16)	1.6	(0.42)	1.0	(0.26)	0.8	(0.17)
Whole grains	10	3.4	(0.39)	3.0	(0.43)	3.1	(0.54)	3.8	(0.63)
Dairy	10	10.0	(0.13)	10.0	(0.18)	9.9	(0.36)	9.6	(0.56)
Total protein foods	5	4.4	(0.18)	4.4	(0.28)	4.4	(0.48)	4.4	(0.28)
Seafood and plant proteins	5	3.5	(0.51)	3.5	(0.72)	2.3 u	(0.81)	4.2	(0.67)
Fatty acids	10	2.8	(0.44)	3.3	(0.61)	2.2 u	(0.66)	3.0	(0.75)
Refined grains	10	6.5	(0.47)	6.9	(0.94)	6.9	(1.15)	6.1	(0.73)
Sodium	10	5.6	(0.44)	6.1	(0.37)	5.7	(0.53)	5.4	(0.78)
Added sugars	10	7.5	(0.27)	7.5	(0.40)	6.7	(0.75)	8.0	(0.36)
Saturated fats	10	4.8	(0.44)	5.2	(0.61)	5.0	(0.74)	4.5	(0.73)
Total HEI-2015 score	100	61.7	(1.80)	63.2	(2.25)	59.0	(3.15)	61.8	(2.64)
				4-Year-Olds					
Both genders									
Sample size	_	501	_	159	_	193	_	149	_
Total fruits	5	4.9	(0.12)	4.9	(0.19)	4.9	(0.19)	4.5	(0.29)
Whole fruits	5	5.0	(0.03)	4.8	(0.28)	4.9	(0.15)	4.9	(0.14)
Total vegetables	5	2.2	(0.13)	2.8	(0.29)	2.0 *	(0.16)	2.0 *	(0.23)
Greens and beans	5	2.1	(0.32)	3.2	(0.70)	1.5 *	(0.34)	1.7 *	(0.36)
Whole grains	10	3.0	(0.26)	3.0	(0.37)	2.6	(0.36)	3.4	(0.53)
Dairy	10	9.6	(0.33)	8.8	(0.45)	9.1	(0.72)	9.9 *	(0.16)
Total protein foods	5	4.1	(0.18)	4.3	(0.28)	4.4	(0.24)	3.7	(0.27)
Seafood and plant proteins	5	3.0	(0.35)	3.2	(0.59)	2.7	(0.44)	3.2	(0.58)
Fatty acids	10	3.1	(0.26)	3.5	(0.52)	3.5	(0.35)	2.4	(0.36)
Refined grains	10	4.8	(0.43)	4.5	(0.57)	6.1 *	(0.44)	3.6	(0.80)

Insight = Indicators of Diet Quality, Nutrition, and Health for Americans by Program Participation Status, 2011–2016: WIC Report, Appendix B. Healthy Eating Index

Subgroup	Maximum Possible	All Young C	hildren	WIC Partic	ipants	Income-El Nonpartici		Higher In Nonpartici	pants
Subgroup	HEI Score	Mean Score	Standard Error	Mean Score	Standard Error	Mean Score	Standard Error	Mean Score	Standard Error
Sodium	10	5.7	(0.24)	4.8	(0.40)	6.2 *	(0.45)	5.8	(0.38)
Added sugars	10	6.9	(0.23)	7.7	(0.41)	6.3 *	(0.38)	7.0	(0.33)
Saturated fats	10	5.6	(0.30)	6.2	(0.48)	6.0	(0.46)	4.9	(0.50)
Total HEI-2015 score	100	60.0	(1.03)	61.8	(2.19)	60.2	(1.71)	57.3	(1.81)
Boys					· · ·				
Sample size	-	252	_	87	-	86	_	79	-
Total fruits	5	5.0	(0.10)	5.0	(0.06)	4.9	(0.29)	4.7	(0.41)
Whole fruits	5	5.0	(0.04)	5.0	(0.01)	4.8	(0.26)	4.9	(0.24)
Total vegetables	5	2.3	(0.19)	2.8	(0.35)	2.0	(0.25)	2.3	(0.37)
Greens and beans	5	2.0	(0.35)	2.5	(0.62)	1.8 u	(0.55)	2.0 u	(0.59)
Whole grains	10	3.2	(0.32)	4.4	(0.67)	2.4 *	(0.44)	3.2	(0.49)
Dairy	10	9.4	(0.60)	8.3	(0.56)	8.7	(1.32)	9.9 **	(0.24)
Total protein foods	5	4.1	(0.19)	4.6	(0.32)	4.5	(0.30)	3.5 **	(0.22)
Seafood and plant proteins	5	3.1	(0.50)	3.9	(0.87)	2.4	(0.66)	3.3	(0.61)
Fatty acids	10	3.5	(0.32)	3.9	(0.67)	4.0	(0.47)	2.9	(0.48)
Refined grains	10	4.8	(0.49)	3.8	(0.90)	6.0	(0.65)	4.4	(0.68)
Sodium	10	5.9	(0.33)	4.4	(0.56)	6.6 *	(0.63)	6.2 *	(0.44)
Added sugars	10	6.9	(0.30)	8.5	(0.30)	6.2 ***	(0.38)	6.6 ***	(0.46)
Saturated fats	10	6.3	(0.42)	6.1	(0.71)	7.0	(0.73)	5.6	(0.67)
Total HEI-2015 score	100	61.5	(1.48)	63.1	(3.79)	61.3	(2.86)	59.5	(2.37)
Girls									
Sample size	-	249	_	72	-	107	_	70	-
Total fruits	5	4.9	(0.22)	4.8	(0.39)	4.9	(0.25)	4.3	(0.41)
Whole fruits	5	5.0	(0.06)	4.6	(0.58)	5.0	(0.13)	5.0	(0.13)
Total vegetables	5	2.1	(0.19)	3.0	(0.46)	2.0	(0.21)	1.6 *	(0.26)
Greens and beans	5	2.1	(0.54)	4.0 u	(1.26)	1.3 * u	(0.39)	1.4	(0.41)
Whole grains	10	2.8	(0.42)	1.5	(0.29)	2.8	(0.58)	3.7 *	(0.95)
Dairy	10	9.9	(0.25)	9.4	(0.71)	9.5	(0.54)	9.9	(0.19)
Total protein foods	5	4.2	(0.31)	4.1	(0.47)	4.3	(0.38)	4.0	(0.50)

Insight = Indicators of Diet Quality, Nutrition, and Health for Americans by Program Participation Status, 2011–2016: WIC Report, Appendix B. Healthy 7 Eating Index

Subgroup	Maximum Possible	e		WIC Partic	WIC Participants		gible pants	Higher Income Nonparticipants	
Subgroup	HEI Score	Mean Score	Standard Error	Mean Score	Standard Error	Mean Score	Standard Error	Mean Score	Standard Error
Seafood and plant proteins	5	2.9	(0.47)	2.4 u	(0.80)	3.0	(0.59)	3.1 u	(1.00)
Fatty acids	10	2.6	(0.41)	3.1	(0.81)	3.0	(0.51)	1.9	(0.54)
Refined grains	10	4.7	(0.70)	5.2	(0.68)	6.3	(0.59)	2.9 u	(1.47)
Sodium	10	5.5	(0.34)	5.2	(0.56)	5.8	(0.63)	5.4	(0.62)
Added sugars	10	6.9	(0.37)	6.9	(0.77)	6.3	(0.66)	7.5	(0.48)
Saturated fats	10	4.9	(0.43)	6.2	(0.64)	4.9	(0.54)	4.2 *	(0.74)
Total HEI-2015 score	100	58.5	(1.44)	60.4	(2.09)	59.1	(1.80)	55.0	(2.75)

Notes: "All young children" includes children with missing WIC participation or income. Estimates are based on the day 1 dietary recall. Mean component scores may not sum to total score because of rounding. Estimates are weighted to account for differential probabilities of selection, nonresponse to survey instruments, and differences between the final sample and the U.S. civilian noninstitutionalized population to ensure different age distributions of NSLP participants and nonparticipants are accounted for. Significant differences in estimates are noted by * p < .05, ** p < .01, or *** p < .001. Differences were tested using two-sample *t*-tests comparing WIC participants with income-eligible nonparticipants or higher income nonparticipants. WIC participants consist of children in households that at the time of data collection reported receiving WIC benefits.

HEI = Healthy Eating Index

u Indicates individual estimates did not meet the standards of reliability or precision because of large coefficient of variation

- Denotes not applicable

Sources: National Health And Nutrition Examination Survey (NHANES) 2011–2016 dietary recalls; Food Pattern Equivalents Database 2011–2012, 2013–2014, and 2015–2016. Sample includes NHANES children aged 2–4 years with complete day 1 dietary recall data.

Subgroup	Maximum Possible	All Young C	hildren	WIC Partici	pants	Income-El Nonpartici	pants	Higher Ind Nonpartici	
Subgroup	HEI Score	Mean Score	Standard Error	Mean Score	Standard Error	Mean Score	Standard Error	Mean Score	Standard Error
			All Your	ng Children 2–4 Ye	ears Old				
Both genders									
Sample size	-	1,724	-	627	-	586	-	504	-
Total fruits	5	5.0	(0.04)	5.0	(0.07)	4.9	(0.10)	4.8	(0.11)
Whole fruits	5	5.0	(0.01)	4.9	(0.12)	4.8	(0.13)	5.0	(0.04)
Total vegetables	5	1.9	(0.06)	2.0	(0.11)	1.9	(0.09)	1.8	(0.11)
Greens and beans	5	0.8	(0.12)	0.9 u	(0.30)	0.7	(0.18)	0.8	(0.16)
Whole grains	10	3.2	(0.14)	2.9	(0.21)	2.8	(0.21)	3.8 *	(0.27)
Dairy	10	9.9	(0.11)	9.6	(0.15)	9.6	(0.27)	9.9	(0.11)
Total protein foods	5	4.1	(0.09)	4.2	(0.13)	4.1	(0.16)	3.9	(0.14)
Seafood and plant proteins	5	2.9	(0.17)	2.9	(0.26)	2.5	(0.24)	3.3	(0.31)
Fatty acids	10	2.5	(0.14)	3.1	(0.25)	2.3 *	(0.22)	2.3 *	(0.24)
Refined grains	10	5.9	(0.21)	5.9	(0.32)	6.2	(0.29)	5.5	(0.40)
Sodium	10	5.9	(0.14)	5.7	(0.21)	6.1	(0.22)	5.9	(0.24)
Empty calories	20	14.3	(0.23)	15.1	(0.34)	13.5 ***	(0.33)	14.5	(0.40)
Total HEI-2010 score	100	61.3	(0.60)	62.1	(0.95)	59.5	(0.95)	61.5	(1.10)
Boys	· · ·								
Sample size	-	850	-	310	-	287	-	248	-
Total fruits	5	5.0	(0.04)	5.0	(0.03)	4.9	(0.13)	4.9	(0.16)
Whole fruits	5	5.0	(0.01)	5.0	(0.09)	4.8	(0.20)	5.0	(0.08)
Total vegetables	5	1.9	(0.08)	2.0	(0.12)	1.9	(0.14)	1.7	(0.16)
Greens and beans	5	0.7	(0.12)	0.6	(0.18)	0.8 u	(0.27)	0.7 u	(0.20)
Whole grains	10	3.1	(0.19)	3.4	(0.31)	2.6	(0.26)	3.4	(0.32)
Dairy	10	9.8	(0.20)	9.4	(0.19)	9.5	(0.48)	10.0 **	(0.08)
Total protein foods	5	4.0	(0.12)	4.4	(0.16)	4.0	(0.21)	3.7 **	(0.19)
Seafood and plant proteins	5	2.8	(0.24)	3.2	(0.38)	2.3	(0.30)	3.0	(0.42)
Fatty acids	10	2.6	(0.18)	3.3	(0.29)	2.5	(0.29)	2.3 *	(0.28)

Table B.2. Healthy Eating Index-2010 Scores for Young Children WIC Participants and Nonparticipants by Age and Gender

Subgroup	Maximum Possible	All Young C	hildren	WIC Partic	pants	Income-El Nonpartici		Higher Ind Nonpartici	
Subgroup	HEI Score	Mean Score	Standard Error	Mean Score	Standard Error	Mean Score	Standard Error	Mean Score	Standard Error
Refined grains	10	5.6	(0.30)	5.3	(0.48)	5.9	(0.37)	5.5	(0.54)
Sodium	10	6.0	(0.18)	5.3	(0.29)	6.4 *	(0.31)	6.2 *	(0.31)
Empty calories	20	14.3	(0.32)	16.0	(0.38)	13.6 ***	(0.44)	13.9 **	(0.58)
Total HEI-2010 score	100	60.8	(0.87)	62.8	(1.53)	59.2	(1.33)	60.1	(1.62)
Girls									
Sample size	-	874	-	317	-	299	_	256	-
Total fruits	5	5.0	(0.07)	4.9	(0.14)	4.9	(0.16)	4.8	(0.13)
Whole fruits	5	5.0	(0.02)	4.8	(0.23)	4.9	(0.17)	5.0	(0.04)
Total vegetables	5	2.0	(0.10)	2.1	(0.18)	2.0	(0.12)	1.9	(0.17)
Greens and beans	5	0.8	(0.20)	1.1 u	(0.59)	0.7 u	(0.22)	1.0	(0.25)
Whole grains	10	3.3	(0.22)	2.5	(0.28)	2.9	(0.32)	4.2 **	(0.44)
Dairy	10	9.9	(0.09)	9.8	(0.24)	9.8	(0.21)	9.8	(0.20)
Total protein foods	5	4.1	(0.14)	4.0	(0.20)	4.1	(0.23)	4.2	(0.21)
Seafood and plant proteins	5	3.1	(0.25)	2.6	(0.37)	2.6	(0.38)	3.7	(0.46)
Fatty acids	10	2.4	(0.23)	2.9	(0.40)	2.1	(0.32)	2.3	(0.38)
Refined grains	10	6.1	(0.30)	6.5	(0.42)	6.6	(0.46)	5.4	(0.58)
Sodium	10	5.8	(0.21)	6.0	(0.30)	5.8	(0.30)	5.6	(0.36)
Empty calories	20	14.3	(0.33)	14.2	(0.57)	13.4	(0.50)	15.1	(0.55)
Total HEI-2010 score	100	61.8	(0.84)	61.4	(1.11)	59.8	(1.35)	63.0	(1.49)
	· · ·			2-Year-Olds					
Both genders									
Sample size	_	701	-	282	-	222	-	193	-
Total fruits	5	5.0	(0.01)	5.0	(0.01)	4.9	(0.16)	5.0	(0.11)
Whole fruits	5	5.0	(0.01)	5.0	(0.12)	4.8	(0.22)	5.0	(0.01)
Total vegetables	5	1.9	(0.09)	1.8	(0.13)	1.9	(0.15)	1.9	(0.18)
Greens and beans	5	0.7	(0.17)	0.3	(0.07)	0.9 u	(0.40)	0.9 u	(0.33)
Whole grains	10	3.4	(0.23)	2.8	(0.38)	3.2	(0.38)	4.2 *	(0.41)
Dairy	10	10.0	(0.00)	10.0	(0.02)	10.0	(0.02)	10.0	(0.00)
Total protein foods	5	3.8	(0.14)	3.8	(0.19)	3.8	(0.29)	3.9	(0.18)

Insight = Indicators of Diet Quality, Nutrition, and Health for Americans by Program Participation Status, 2011–2016: WIC Report, Appendix B. Healthy 10 Eating Index

Subgroup	Maximum Possible	All Young C	hildren	WIC Partici	pants	Income-Eli Nonpartici		Higher Income Nonparticipants	
Subgroup	HEI Score	Mean Score	Standard Error	Mean Score	Standard Error	Mean Score	Standard Error	Mean Score	Standard Error
Seafood and plant proteins	5	2.5	(0.24)	1.8	(0.24)	2.4	(0.36)	3.2 *	(0.57)
Fatty acids	10	1.9	(0.21)	2.4	(0.38)	1.2 *	(0.31)	2.1	(0.39)
Refined grains	10	6.6	(0.29)	6.7	(0.49)	6.3	(0.40)	6.7	(0.55)
Sodium	10	6.2	(0.20)	6.6	(0.39)	5.9	(0.29)	6.1	(0.29)
Empty calories	20	14.7	(0.37)	14.9	(0.64)	13.6	(0.53)	15.7	(0.58)
Total HEI-2010 score	100	61.7	(0.91)	61.1	(1.30)	59.0	(1.29)	64.6	(1.81)
Boys	· · ·								
Sample size	-	327	-	126	_	108	-	90	-
Total fruits	5	5.0	(0.01)	5.0	(0.03)	5.0	(0.14)	4.9	(0.22)
Whole fruits	5	5.0	(0.01)	5.0	(0.17)	4.7	(0.42)	5.0	(0.02)
Total vegetables	5	1.7	(0.11)	1.7	(0.14)	1.9	(0.24)	1.5	(0.22)
Greens and beans	5	0.4 u	(0.19)	0.2 u	(0.09)	0.6 u	(0.53)	0.3 u	(0.23)
Whole grains	10	3.2	(0.31)	2.7	(0.36)	3.4	(0.55)	3.5	(0.53)
Dairy	10	10.0	(0.00)	10.0	(0.04)	10.0	(0.03)	10.0	(0.00)
Total protein foods	5	3.8	(0.20)	3.8	(0.25)	4.0	(0.46)	3.5	(0.25)
Seafood and plant proteins	5	2.2	(0.36)	1.8	(0.36)	2.1	(0.40)	2.8 u	(0.91)
Fatty acids	10	2.0	(0.27)	2.6	(0.38)	1.3 * u	(0.41)	2.1	(0.43)
Refined grains	10	6.1	(0.47)	6.2	(0.81)	6.1	(0.64)	6.1	(0.88)
Sodium	10	6.1	(0.26)	6.4	(0.51)	5.8	(0.44)	6.1	(0.40)
Empty calories	20	14.6	(0.49)	15.7	(0.62)	13.5 *	(0.79)	14.7	(0.80)
Total HEI-2010 score	100	60.1	(1.39)	61.2	(1.80)	58.3	(1.81)	60.7	(2.84)
Girls	· · ·				· · · ·				
Sample size	-	374	-	156	_	114	-	103	-
Total fruit	5	5.0	(0.00)	5.0	(0.01)	4.9	(0.28)	5.0	(0.00)
Whole fruit	5	5.0	(0.00)	5.0	(0.17)	5.0	(0.08)	5.0	(0.00)
Total vegetables	5	2.0	(0.14)	1.8	(0.21)	1.8	(0.18)	2.3	(0.29)
Greens and beans	5	1.0 u	(0.30)	0.3 u	(0.10)	1.2 u	(0.59)	1.5 u	(0.64)
Whole grains	10	3.7	(0.33)	3.0	(0.67)	2.9	(0.52)	5.0 *	(0.64)

Subgroup	Maximum Possible HEI Score	All Young Children		WIC Participants		Income-Eligible Nonparticipants		Higher Income Nonparticipants	
Subgroup		Mean Score	Standard Error	Mean Score	Standard Error	Mean Score	Standard Error	Mean Score	Standard Error
Dairy	10	10.0	(0.00)	10.0	(0.01)	10.0	(0.01)	10.0	(0.00)
Total protein foods	5	3.9	(0.19)	3.7	(0.28)	3.7	(0.35)	4.2	(0.26)
Seafood and plant proteins	5	2.7	(0.31)	1.8	(0.33)	2.7	(0.61)	3.7 *	(0.68)
Fatty acids	10	1.8	(0.33)	2.2 u	(0.66)	1.1 u	(0.48)	2.0 u	(0.66)
Refined grains	10	7.1	(0.32)	7.2	(0.54)	6.6	(0.46)	7.3	(0.65)
Sodium	10	6.3	(0.31)	6.8	(0.60)	6.0	(0.38)	6.0	(0.42)
Empty calories	20	14.9	(0.55)	14.0	(1.13)	13.8	(0.70)	16.7	(0.85)
Total HEI-2010 score	100	63.4	(1.14)	60.9	(1.87)	59.7	(1.85)	68.8 **	(2.22)
	· · ·			3-Year-Olds					
Both genders									
Sample size	-	522	-	186	-	171	-	162	-
Total fruits	5	5.0	(0.02)	5.0	(0.09)	4.9	(0.17)	5.0	(0.09)
Whole fruits	5	5.0	(0.00)	4.9	(0.20)	4.8	(0.30)	5.0	(0.00)
Total vegetables	5	1.9	(0.10)	1.8	(0.12)	2.1	(0.18)	1.8	(0.19)
Greens and beans	5	0.5	(0.12)	0.7 u	(0.23)	0.4 u	(0.23)	0.6 u	(0.24)
Whole grains	10	3.2	(0.26)	3.1	(0.34)	2.6	(0.32)	3.6	(0.44)
Dairy	10	10.0	(0.06)	10.0	(0.10)	9.8	(0.35)	9.8	(0.28)
Total protein foods	5	4.2	(0.16)	4.6	(0.19)	4.0	(0.29)	4.2	(0.27)
Seafood and plant proteins	5	3.3	(0.31)	3.7	(0.49)	2.3 *	(0.44)	3.6	(0.47)
Fatty acids	10	2.6	(0.27)	3.3	(0.36)	2.2	(0.44)	2.4	(0.46)
Refined grains	10	6.2	(0.37)	6.3	(0.61)	6.3	(0.65)	6.1	(0.69)
Sodium	10	5.9	(0.28)	5.6	(0.29)	6.3	(0.38)	5.8	(0.53)
Empty calories	20	14.2	(0.45)	15.1	(0.50)	13.1 **	(0.59)	14.4	(0.81)
Total HEI-2010 score	100	61.9	(1.23)	64.0	(1.60)	58.7 *	(1.78)	62.2	(2.10)
Boys									
Sample size	-	271	-	97	-	93	-	79	-
Total fruits	5	5.0	(0.03)	5.0	(0.08)	4.9	(0.21)	5.0	(0.17)
Whole fruits	5	5.0	(0.00)	5.0	(0.19)	4.8	(0.35)	5.0	(0.00)

Insight • Indicators of Diet Quality, Nutrition, and Health for Americans by Program Participation Status, 2011–2016: WIC Report, Appendix B. Healthy 12 Eating Index

Subgroup	Maximum Possible	All Young Children		WIC Participants		Income-Eligible Nonparticipants		Higher Income Nonparticipants	
	HEI Score	Mean Score	Standard Error	Mean Score	Standard Error	Mean Score	Standar d Error	Mean Score	Standard Error
Total vegetables	5	1.8	(0.11)	1.9	(0.17)	2.0	(0.27)	1.6	(0.19)
Greens and beans	5	0.7 u	(0.24)	0.9 u	(0.42)	0.5 u	(0.39)	0.9 u	(0.46)
Whole grains	10	2.9	(0.33)	3.1	(0.53)	2.1	(0.34)	3.4	(0.62)
Dairy	10	10.0	(0.01)	10.0	(0.08)	9.7	(0.61)	10.0	(0.06)
Total protein foods	5	4.1	(0.25)	4.7	(0.26)	3.7 **	(0.33)	4.0	(0.47)
Seafood and plant proteins	5	3.1	(0.36)	3.9	(0.66)	2.4	(0.49)	3.0	(0.65)
Fatty acids	10	2.3	(0.32)	3.4	(0.40)	2.2	(0.61)	1.8 * u	(0.55)
Refined grains	10	5.9	(0.57)	5.8	(0.81)	5.7	(0.66)	6.1	(1.17)
Sodium	10	6.1	(0.34)	5.1	(0.46)	6.8 *	(0.53)	6.2	(0.71)
Empty calories	20	14.0	(0.70)	15.9	(0.55)	12.8 **	(0.79)	13.7	(1.30)
Total HEI-2010 score	100	61.0	(1.69)	64.7	(2.55)	57.6 *	(1.83)	60.7	(3.22)
Girls	· · ·								
Sample size	-	251	-	89	-	78	-	83	-
Total fruits	5	5.0	(0.02)	4.9	(0.17)	4.9	(0.27)	5.0	(0.02)
Whole fruits	5	5.0	(0.01)	4.9	(0.35)	4.7	(0.49)	5.0	(0.00)
Total vegetables	5	2.0	(0.17)	1.8	(0.17)	2.2	(0.22)	2.0	(0.32)
Greens and beans	5	0.3	(0.07)	0.3 u	(0.17)	0.4 u	(0.25)	0.2 u	(0.07)
Whole grains	10	3.4	(0.40)	3.0	(0.43)	3.1	(0.54)	3.8	(0.63)
Dairy	10	10.0	(0.13)	10.0	(0.18)	9.9	(0.35)	9.6	(0.56)
Total protein foods	5	4.4	(0.18)	4.4	(0.28)	4.4	(0.48)	4.4	(0.28)
Seafood and plant proteins	5	3.5	(0.51)	3.5	(0.72)	2.2 u	(0.74)	4.2	(0.68)
Fatty acids	10	2.8	(0.44)	3.3	(0.61)	2.2	(0.65)	3.0	(0.75)
Refined grains	10	6.5	(0.47)	6.9	(0.92)	6.8	(1.15)	6.1	(0.71)
Sodium	10	5.6	(0.44)	6.1	(0.37)	5.7	(0.53)	5.4	(0.78)
Empty calories	20	14.4	(0.56)	14.4	(0.85)	13.3	(0.88)	15.1	(0.96)
Total HEI-2010 score	100	62.9	(1.78)	63.3	(1.89)	59.8	(3.09)	63.8	(2.66)

Subgroup	Maximum Possible	All Young Children		WIC Participants		Income-Eligible Nonparticipants		Higher Income Nonparticipants	
	HEI Score	Mean Score	Standard Error	Mean Score	Standard Error	Mean Score	Standard Error	Mean Score	Standard Error
				4-Year-Olds					
Both genders									
Sample size	-	501	-	159	-	193	-	149	-
Total fruits	5	4.9	(0.12)	4.9	(0.19)	4.9	(0.19)	4.5	(0.29)
Whole fruits	5	5.0	(0.03)	4.8	(0.28)	4.9	(0.15)	5.0	(0.13)
Total vegetables	5	2.0	(0.12)	2.5	(0.28)	1.9 *	(0.15)	1.8	(0.23)
Greens and beans	5	1.1	(0.28)	1.7 u	(0.89)	0.9	(0.25)	1.0	(0.25)
Whole grains	10	3.0	(0.27)	3.0	(0.37)	2.6	(0.37)	3.4	(0.53)
Dairy	10	9.6	(0.33)	8.8	(0.45)	9.1	(0.73)	9.9 *	(0.16)
Total protein foods	5	4.1	(0.18)	4.3	(0.28)	4.4	(0.24)	3.8	(0.27)
Seafood and plant proteins	5	3.0	(0.34)	3.1	(0.58)	2.7	(0.44)	3.2	(0.58)
Fatty acids	10	3.1	(0.26)	3.5	(0.52)	3.5	(0.35)	2.4	(0.36)
Refined grains	10	4.8	(0.43)	4.5	(0.56)	6.1 *	(0.44)	3.6	(0.79)
Sodium	10	5.7	(0.24)	4.8	(0.40)	6.2 *	(0.44)	5.8	(0.37)
Empty calories	20	14.0	(0.36)	15.3	(0.62)	13.8	(0.60)	13.3 *	(0.65)
Total HEI-2010 score	100	60.3	(0.97)	61.3	(1.99)	60.9	(1.81)	57.8	(1.80)
Boys	· · ·								
Sample size	-	252	-	87	-	86	-	79	_
Total fruits	5	5.0	(0.10)	5.0	(0.06)	4.9	(0.29)	4.7	(0.41)
Whole fruits	5	5.0	(0.03)	5.0	(0.02)	4.8	(0.26)	4.9	(0.23)
Total vegetables	5	2.1	(0.18)	2.4	(0.30)	1.9	(0.21)	2.1	(0.38)
Greens and beans	5	0.9	(0.20)	0.7 u	(0.35)	1.3 u	(0.45)	0.8 u	(0.33)
Whole grains	10	3.2	(0.33)	4.3	(0.67)	2.4 *	(0.45)	3.2	(0.49)
Dairy	10	9.4	(0.60)	8.2	(0.56)	8.7	(1.32)	9.9 **	(0.24)
Total protein foods	5	4.1	(0.19)	4.6	(0.32)	4.5	(0.29)	3.5 **	(0.22)
Seafood and plant proteins	5	3.1	(0.50)	3.9	(0.86)	2.4	(0.64)	3.3	(0.61)
Fatty acids	10	3.5	(0.32)	3.9	(0.67)	4.0	(0.48)	2.9	(0.48)
Refined grains	10	4.8	(0.49)	3.8	(0.89)	6.0	(0.65)	4.4	(0.68)

Subgroup	Maximum Possible HEI Score	All Young Children		WIC Participants		Income-Eligible Nonparticipants		Higher Income Nonparticipants	
		Mean Score	Standard Error	Mean Score	Standard Error	Mean Score	Standard Error	Mean Score	Standard Error
Sodium	10	5.9	(0.33)	4.4	(0.56)	6.6 *	(0.63)	6.2 *	(0.44)
Empty calories	20	14.4	(0.41)	16.4	(0.78)	14.5	(0.71)	13.2 **	(0.80)
Total HEI-2010 score	100	61.4	(1.39)	62.6	(3.38)	61.9	(3.07)	59.0	(2.24)
Girls	· · ·		· · · · ·				· · · · ·		
Sample size	-	249	-	72	_	107	_	70	-
Total fruits	5	4.9	(0.22)	4.8	(0.39)	4.9	(0.25)	4.3	(0.41)
Whole fruits	5	5.0	(0.06)	4.6	(0.57)	5.0	(0.14)	5.0	(0.13)
Total vegetables	5	1.9	(0.18)	2.6	(0.48)	1.9	(0.20)	1.6	(0.24)
Greens and beans	5	1.2 u	(0.52)	2.6 u	(1.78)	0.5 u	(0.21)	1.1 u	(0.37)
Whole grains	10	2.8	(0.43)	1.5	(0.29)	2.8	(0.59)	3.7 *	(0.96)
Dairy	10	9.9	(0.25)	9.4	(0.71)	9.5	(0.54)	9.9	(0.20)
Total protein foods	5	4.2	(0.31)	4.1	(0.46)	4.3	(0.37)	4.0	(0.50)
Seafood and plant proteins	5	2.9	(0.47)	2.4 u	(0.77)	3.0	(0.59)	3.1 u	(0.99)
Fatty acids	10	2.6	(0.41)	3.2	(0.81)	3.0	(0.51)	1.9	(0.55)
Refined grains	10	4.7	(0.70)	5.2	(0.68)	6.3	(0.59)	2.9 u	(1.45)
Sodium	10	5.5	(0.34)	5.2	(0.57)	5.8	(0.63)	5.4	(0.61)
Empty calories	20	13.5	(0.59)	14.1	(0.97)	13.1	(0.98)	13.5	(1.03)
Total HEI-2010 score	100	59.1	(1.35)	59.8	(2.00)	60.0	(1.86)	56.4	(2.83)

Notes: "All young children" includes children with missing WIC participation or income. Estimates are based on the day 1 dietary recall. Mean component scores may not sum to total score because of rounding. Estimates are weighted to account for differential probabilities of selection, nonresponse to survey instruments, and differences between the final sample and the U.S. civilian noninstitutionalized population to ensure different age distributions of NSLP participants and nonparticipants are accounted for. Significant differences in estimates are noted by * p < .05, ** p < .01, or *** p < .001. Differences were tested using two-sample t-tests comparing WIC participants with income-eligible nonparticipants or higher income nonparticipants. WIC participants consist of children in households that at the time of data collection reported receiving WIC benefits.

HEI = Healthy Eating Index

u Indicates individual estimates did not meet the standards of reliability or precision because of large coefficient of variation

– Denotes not applicable

Source: National Health And Nutrition Examination Survey (NHANES) 2011–2016 dietary recalls; Food Pattern Equivalents Database 2011–2012, 2013–2014, and 2015–2016. Sample includes NHANES children aged 2–4 years with complete day 1 dietary recall data.