

## Appendix A

### Variable Names and Definitions Used in the Regression Model

Variable	Definition
<b><i>Child characteristics</i></b>	
WIC recipient	Equals 1 if child participates in WIC, else 0
Male	Equals 1 if child is male, else 0
Black	Equals 1 if child is a non-Hispanic black, else 0
Hispanic	Equals 1 if child is Hispanic, else 0
Other racial/ethnic	Equals 1 if child is a non-Hispanic other, else 0
White	Omitted base group—child is a non-Hispanic white
Age-1 year	Equals 1 if child is 1 year of age, else 0
Age-2 year	Equals 1 if child is 2 years of age, else 0
Age-3 year	Equals 1 if child is 3 years of age, else 0
Age-4 year	Omitted base group—child is 4 years of age
<b><i>Household characteristics</i></b>	
Percent of poverty	Household income as a percent of poverty threshold
Homeowner	Equals 1 if household head owns home, else 0
Assets of \$5,000	Equals 1 if household has assets of \$5,000 or more, else 0 (Assets include cash, savings or checking accounts, stocks, bonds, and certificates of deposit.)
Food Stamp recipient	Equals 1 if household receives Food Stamps, else 0
Single-headed household	Equals 1 if a single-headed household, else 0
<b><i>Geographic characteristics</i></b>	
Midwest	Equals 1 if household is in the Midwest, else 0
South	Equals 1 if household is in the South, else 0
West	Equals 1 if household is in the West, else 0
Northeast	Omitted base group—household is in the Northeast
Central city	Equals 1 if household is in metropolitan area-central city, else 0
Nonmetro	Equals 1 if household is outside a metropolitan area, else 0
Metro-outside	Omitted base group—household is in metropolitan area, outside central city
<b><i>Characteristics of head of household</i></b>	
Head's education	Years of schooling completed by head. (In dual-headed households, the head's education refers to the female head.)
<b><i>Year of survey</i></b>	
Year95	Survey conducted in 1995
Year96	Survey conducted in 1996
Year94	Omitted base group—survey conducted in 1994

**Appendix table 1—Socioeconomic and demographic characteristics of children residing in households in which an adult or infant participates in WIC, by WIC status of the child**

	All children (n=180)	WIC participant (n=110)	Nonparticipating (n=70)
<b>Individual characteristics</b>			
	<i>Percent</i>		
Race/ethnicity:			
White (non-Hispanic)	35.2	36.4	33.6
Black (non-Hispanic)	26.7	31.7	19.9
Hispanic	28.5	19.3	40.7
Other (non-Hispanic)	9.7	12.6	5.7
Age:			
1 year	24.5	27.8	20.1
2 years	32.6	40.8 <sup>1</sup>	21.7
3 years	21.1	16.9	26.8
4 years	21.7	14.5 <sup>1</sup>	31.4
Sex:			
Male	50.6	53.5	46.7
Female	49.4	46.5	53.3
<b>Household characteristics</b>			
	<i>Mean</i>		
Annual income	\$16,685	\$15,034	\$18,898
Percent of poverty	94.7	87.1	104.8
	<i>Percent</i>		
Own their home	29.6	28.9	30.5
Have assets over \$5,000	1.4	1.4	1.5
	<i>Persons</i>		
Household size	5.3	5.1	5.5
	<i>Percent</i>		
Receive Food Stamps	54.1	60.0	46.3
	<i>Dollars</i>		
Monthly value of Food Stamps	283.8	288.4	275
Region:	<i>Percent</i>		
Northeast	11.5	13.3	9.0
South	38.3	38.6	37.8
Midwest	10.6	15.8 <sup>1</sup>	3.5
West	39.7	32.2	49.7
Metropolitan status:			
Central city	46.4	43.6	50.2
Metro-outside	32.1	30.7	34
Nonmetro	21.5	25.7	15.7
Household structure:			
Dual headed	71.2	68.2	75.2
Single head—female	28.8	31.8	24.8
	<i>Years of schooling</i>		
Education of head	10.0	9.7	10.5
	<i>Percent</i>		
Completed high school	54.2	53.3	55.3

Note: Weighted data.

<sup>1</sup>Significantly different from the corresponding nonparticipant coefficient at the 95-percent confidence level.

**Appendix table 2—Nutrient intake of children residing in households in which an adult or infant participates in WIC, by WIC status of the child**

	All children (n=180)	WIC participant (n=110)	Nonparticipating (n=70)
<b>Nutrient adequacy ratio</b>			
	<i>Mean</i>		
Iron	114.0 (5.19)	119.7 (4.33)	106.4 (7.42)
Calcium	91.8 (2.46)	94.7 (2.03)	88.0 (3.22)
Vitamin C	246.4 (10.36)	276.4 <sup>1</sup> (11.10)	206.3 (17.44)
Vitamin A	147.6 (7.24)	151.2 (6.45)	142.7 (15.17)
Protein	291.6 (8.34)	304.3 (4.41)	274.7 (8.88)
Vitamin B-6	119.5 (3.90)	126.4 <sup>1</sup> (3.75)	110.1 (3.27)
Folate	339.9 (15.26)	372.2 <sup>1</sup> (11.61)	296.6 (15.26)
Zinc	75.5 (3.06)	76.9 (1.82)	73.8 (3.03)
Food energy	99.9 (3.16)	101.5 (2.01)	97.9 (3.44)
<b>Percent of children failing to meet 100 percent of the RDA</b>			
	<i>Percent</i>		
Iron	45.1 (4.57)	40.3 (4.35)	51.5 (5.95)
Calcium	66.9 (3.51)	64.2 (3.53)	70.6 (4.93)
Vitamin C	20.1 (3.38)	17.1 (3.77)	24.1 (4.41)
Vitamin A	36.3 (4.76)	34.8 (3.19)	38.2 (6.99)
Protein	0.7 (.53)	0.6 (.05)	0.8 (.87)
Vitamin B-6	35.6 (4.25)	28.6 (3.98)	44.9 (5.17)
Folate	3.1 (1.89)	4.2 <sup>1</sup> (.34)	1.7 (.21)
Zinc	82.3 (3.34)	79.9 (3.60)	85.5 (3.67)
Food energy	54.0 (3.88)	48.5 (3.99)	61.3 (5.18)

Note: Weighted data.

<sup>1</sup>Significantly different from the corresponding nonparticipant coefficient at the 95-percent confidence level.