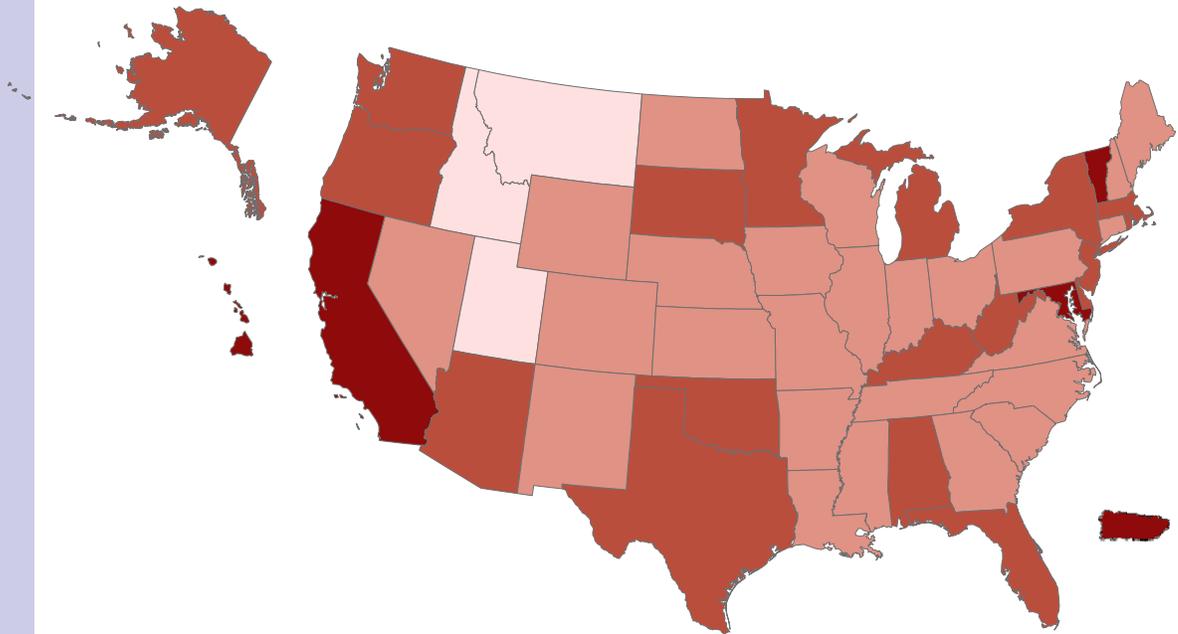


**Nutrition Assistance Program Report Series**  
**Office of Research and Analysis**

Special Nutrition Programs

Report No. WIC-14-ELIG



**Volume II**  
**Appendices**  
**National- and State-Level Estimates of**  
**WIC Eligibles and Program Reach,**  
**2011**

**Final Report**



March 2014

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March 2014  
Special Nutrition Programs  
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# Volume II Appendices

## National- and State-Level Estimates of WIC Eligibles and Program Reach, 2011

### Final Report

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The opinions expressed reflect those of the authors and not the Urban Institute.  
This study was conducted under Contract number AG-3198-B-10-0016 with the Food and Nutrition Service. This report is available on the Food and Nutrition Service website:  
<http://www.fns.usda.gov/research-and-analysis>

**Suggested Citation:**

U.S. Department of Agriculture, Food and Nutrition Service, Office of Research and Analysis. *National and State-Level Estimates of Special Supplemental Nutrition Program for Women, Infants, and Children (WIC) Eligibles and Program Reach, 2011*, by Paul Johnson, Linda Giannarelli, Erika Huber, and David Betson. Project Officer: Grant Lovellette. Alexandria, VA: March 2014.

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## **Acknowledgements**

The authors gratefully acknowledge the guidance provided by FNS staff and other Urban Institute staff and consultants. Grant Lovellette, the FNS project officer, provided guidance throughout the project. Sheila Zedlewski directed the first two years of the project and guided the initial phases of work on the estimates in this report. Michael Martinez-Schiferl was the lead analyst on this work for the first two years of the project, and developed the technical framework used for this year's analysis.

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## **Appendix A**

### **National Estimates: 2011**

The appendix tables show the detailed estimates of WIC-eligible individuals by participant group. A brief description of each of these tables is given below. These tables document the assumptions and calculations used to produce the estimates.

#### **CY 2011 National Estimates Appendix Tables**

*Tables A.1a and A.1b: Steps and Sources for Update to Estimates of WIC Eligibility for Infants, Young Children, Pregnant Women, and Postpartum Women*

These tables document the data sources used and summarize the steps performed in producing national and State eligibility estimates.

*Table A.2: Estimates of the Average Monthly Number of Individuals Eligible for WIC by Participant Group*

This table shows the estimated average monthly number of WIC eligibles in the calendar year along with the total number of infants and children. Note that the number of non-eligible infants and children is calculated as the difference between the total population and the number of eligible infants and children. These figures include infants and children in the U.S. territories. The reader is referred to table A.6 for the steps used in calculating the estimated number of eligible individuals.

*Table A.3a: Four-Year Accumulations of Census Estimates and CPS Estimates by Single-Year Age Groups, Race, and Gender*

This table shows the four-year accumulations of census estimates next to the four-year accumulations of March CPS total weighted populations used to calculate the population factors used to adjust the CPS weights.

*Table A.3b: Current Year Census Estimates and CPS Estimates by Single-Year Age Groups, Race and Gender*

This table shows the current year Census estimates and CPS estimates by single-year age groups, race, and gender, and the ratio of Census estimates to CPS estimates.

*Table A.3c: Effect of Applying Population Adjustment Factors on Population Counts in the CPS ASEC by Race and Gender*

This table shows the results of applying the population adjustment factors shown in Table A.3a to the weights on the March CPS.

*Table A.4: Breastfeeding Adjustment Factor Calculations for WIC-Eligible Postpartum Women*

This table shows the calculated national breastfeeding adjustment factors assuming the use of the current NHANES and SIPP adjustments.

*Table A.5: A Comparison of Estimates of the Average Monthly Number of Individuals Eligible for WIC by Participant Group According to the Year of Breastfeeding Rates Used*

This table shows the effect of the change in breastfeeding rate from the prior calendar year by applying the breastfeeding rate from the prior calendar year to the current year. The result is the estimated change in the number of eligible postpartum breastfeeding women and postpartum non-breastfeeding women that can be attributable to the year-to-year change in the breastfeeding rate. This table includes infants and children in the U.S. territories.

*Table A.6: Adjustments for Calculating the Average Monthly Number of Individuals Eligible for WIC by Participant Group*

This table shows the step-by-step adjustments made in calculating the total number of infants, children, and pregnant and postpartum women that are eligible for WIC.

*Tables A.7a and A.7b: Estimates of the Average Monthly Number of Infants and Children Eligible for WIC by Income and Adjunctive Eligibility in the March 2012 CPS by Demographic Characteristics*

These two tables show the estimates of WIC-eligible infants and children (in total and by single year of age) by demographic and income characteristics in the March CPS. Note that these tables do not include infants and children from the territories. Table A.7a shows characteristics of WIC-eligible infants and children in the March CPS using unadjusted person weights, and Table A.7b shows these characteristics using weights that have been fully adjusted including adjustments for the under/over count in the CPS (population adjustment), monthly income and certification periods (annual-to-monthly adjustment), and nutritional risk. The numbers are shown as both total counts and column percentages of eligible individuals by their demographic and income characteristics. A comparison of Table A.7a to Table A.7b shows the impact of the CPS weight adjustments on the national estimates of WIC-eligible infants and children.

*Table A.8: Estimates of the Average Monthly Number of Individuals Eligible for WIC by Participant Group: A Comparison of the Change from Calendar Year 2010 to 2011*

This table shows change between the 2010 and 2011 in the total number of infants and children, the numbers of WIC-eligible individuals, and the eligibility rate (including infants and children in the U.S. territories). The percent change for each participant group is calculated.

*Table A.9: Stepwise Comparison of the Change in Average Monthly Number of Infants and Children Eligible for WIC, as estimated by the March CPS*

This table shows a step-by-step comparison of the difference in estimates from year to year. The percentage change from year to year is calculated after each adjustment.

*Table A.10: Standard Error and Coefficient of Variation for National Estimates from the CPS-ASEC by Participant Group*

This table presents the standard error of the estimate and coefficient of variance for the national estimates for the total population and the number eligible for WIC by participant group.

Table A.1a-2011

**Steps and Sources for 2011 Update to Estimates of WIC Eligibility for Infants and Young Children, Using Data from the 2012 CPS-ASEC, 2011 ACS, 2011 PRCS, AND Census Bureau International Data Base**

Step	Description	Sources for 2011 Updates to Estimates and Adjustment Factors
Demographic eligibility	Identify individuals age 0, 1, 2, 3, or 4 in the survey.	2012 CPS-ASEC - National Estimates 2011 ACS - State Estimates 2011 PRCS - Puerto Rico Estimates Census Bureau International Data Base - Other Island Territories
Weight adjustment	Adjust sampling weights to account for under-count or over-count in the CPS relative to Census estimates, by exact age, gender, and race.	National Estimates: Population estimates from the Census Bureau (intercensal estimates for March 2009 & 2010, and post-censal estimates for 2011 & 2012) and the 2009-2012 CPS-ASEC surveys State and Puerto Rico Estimates: Population estimates from the Census Bureau for CY 2011 (post-censal)
Income eligibility	Count as eligible if prior year's annual family income is <= 185 percent of the applicable poverty guideline--"family" for income purposes is defined as the broadly defined family, with related subfamilies included in the primary.	2012 CPS-ASEC - National Estimates 2011 ACS - State Estimates 2011 PRCS - Puerto Rico Estimates
	Poverty guidelines are the blended poverty guidelines for the calendar year for which estimates are produced.	Blended FY 2010 and FY 2011 poverty guidelines
Adjunctive eligibility	Add in as eligible those infants/children whose household reports SNAP, family reports TANF, or who are themselves reported as being enrolled in Medicaid at any point during the prior calendar year.  For TANF receipt, "family" on the CPS is defined as the narrowly defined family and also includes any related children whose parents are not present in the household. On the ACS and PRCS the definition is just the narrowly defined family with subfamilies separate.	2012 CPS-ASEC
Adjust for fluctuations in monthly income and certification periods	Multiply the estimates by a factor of 1.16 for infants and 1.0 for children to account for the impact of monthly fluctuations in income and program participation, and for the impact of 6 and 12 month certification periods.	Average of factors for 2005, 2006, and 2010, as computed from the SIPP panels from 2004 and 2008.
Adjust for nutritional risk	Multiply the infant estimates by 0.97 and the child estimates by 0.99 to account for the fact that some otherwise-eligible infants and children might not be found to be at nutritional risk.	No update.
Territories	Eligibility in Puerto Rico is based on the PRCS and is estimated with the same methods as those used for the State estimates. Eligibility in the Other Island Territories is based on a proportion of the estimated population of infants and children.	PRCS 2011 - Puerto Rico  Census Bureau International Data Base - Other Island Territories

**Table A.1b-2011**

**Steps and Sources for 2011 Update to Estimates of WIC Eligibility for Pregnant and Postpartum Women, Using Data from the 2012 CPS-ASEC, 2011 ACS, 2011 PRCS, AND Census Bureau International Data Base**

Step	Description	Sources for 2011 Updates to Estimates and Adjustment Factors
Starting point	Use as a starting point the final average monthly eligibility estimate for infants.	Infants as estimated using methods outlined in table A.1a.
Adjust for multiple births and infant deaths	Multiply by a factor of 0.9961 to account for the impact of multiple births and infant deaths (so the number of pregnant women/mothers is not exactly equal to the number of infants).	Multiple birth, infant and fetal death data from 2004 vital statistics data. March 2004 Census estimates for count of infants.
<i>For pregnant women:</i> Adjust for length of pregnancy and difference in income during pregnancy vs. after birth	Multiply by 0.533 to account for 9 months of pregnancy (0.75 factor) and to account for lower likelihood of financial eligibility during pregnancy vs. after birth (additional 0.71).	No update.
<i>For postpartum mothers:</i> Separately estimate the average monthly number who are eligible as breastfeeding mothers and the number eligible as postpartum non-breastfeeding mothers	Multiply by one year-specific factor to estimate the average monthly women eligible for WIC as breastfeeding mothers (0<12 months postpartum). Multiply the estimate by another factor to estimate the average monthly women eligible for WIC as non-breastfeeding women <6 months postpartum.	2011 Abbott Laboratories Infant Feeding Survey (formerly the Mother Survey); 2001-2002, 2003-2004, and 2005-2006 waves of National Health and Nutrition Examination Survey (NHANES); 1996, 2001, and 2004 SIPP panels.  Territorial estimates assume the national breastfeeding rates.
Adjust for nutritional risk	Multiply the estimate for pregnant women by 0.97 to account for the fact that some otherwise-eligible pregnant women might not be found to be at nutritional risk. Assume all postpartum women are at nutritional risk (factor of 1.0).	No update.

**Table A.2-2011: Estimates of the Average Monthly Number of Individuals Eligible for WIC by Participant Group in the March 2012 CPS**

*NOTE: This table includes estimates for the territories*

Participant Group	2011		
	Eligibles	Non-Eligibles <sup>a</sup>	Total <sup>b</sup>
Infants	2,516,309	1,496,666	4,012,975
Total Children Ages 1-4	8,888,005	7,477,459	16,365,464
Children Age 1	2,325,258	1,795,215	4,120,473
Children Age 2	2,154,671	1,850,767	4,005,439
Children Age 3	2,180,779	1,866,200	4,046,978
Children Age 4	2,227,296	1,965,278	4,192,574
Pregnant Women	1,294,668		
Postpartum Breastfeeding Women	811,356		
Postpartum Non-Breastfeeding Women	767,116		
All Postpartum Women	1,578,471		
<b>Total WIC Eligibles</b>	<b>14,277,453</b>		

Source: 2012 CPS-ASEC for U.S. estimate, 2011 PRCS and Census International Data Base for territories

Notes:

<sup>a</sup>The non-eligible infants and children represent the difference between the Total estimates of infants and children age 1 to 4 in the total United States and the WIC-eligible infants and children.

<sup>b</sup>The total numbers of infants and children represent the sum of the March 2012 total number of infants and children adjusted for the under and over count of infants and children in the CPS relative to Census estimates plus the number of infants and children in Puerto Rico and the other island territories based on the 2011 PRCS and annual Census Bureau population estimates.

**Table A.3a-2011: Four-Year Accumulations of Census Estimates and CPS Estimates by Single-Year Age Groups, Race and Gender, March 2009-2012**

*NOTE: This table does not include estimates for the territories.*

	Females				Males				Total			
	White	Black	Other	Total	White	Black	Other	Total	White	Black	Other	Total
<b>Age 0</b>												
Census estimates	5,639,949	1,197,842	991,949	7,829,740	5,908,019	1,240,428	1,033,454	8,181,901	11,547,968	2,438,270	2,025,403	16,011,641
CPS estimate	6,036,212	1,176,780	851,522	8,064,514	6,321,735	1,245,585	883,024	8,450,344	12,357,947	2,422,365	1,734,546	16,514,858
Ratio of Census estimate to CPS estimate	0.934	1.018	1.165	0.971	0.935	0.996	1.170	0.968	0.934	1.007	1.168	0.970
<b>Age 1</b>												
Census estimates	5,671,131	1,204,608	977,878	7,853,617	5,937,064	1,242,128	1,013,229	8,192,421	11,608,194	2,446,736	1,991,107	16,046,038
CPS estimate	6,020,514	1,340,623	963,474	8,324,611	6,313,194	1,375,132	1,010,770	8,699,097	12,333,708	2,715,755	1,974,244	17,023,708
Ratio of Census estimate to CPS estimate	0.942	0.899	1.015	0.943	0.940	0.903	1.002	0.942	0.941	0.901	1.009	0.943
<b>Age 2</b>												
Census estimates	5,721,326	1,207,689	967,674	7,896,688	6,000,442	1,242,184	999,730	8,242,356	11,721,768	2,449,873	1,967,404	16,139,044
CPS estimate	6,058,737	1,185,218	921,950	8,165,906	6,355,546	1,232,153	878,161	8,465,860	12,414,283	2,417,371	1,800,111	16,631,766
Ratio of Census estimate to CPS estimate	0.944	1.019	1.050	0.967	0.944	1.008	1.138	0.974	0.944	1.013	1.093	0.970
<b>Age 3</b>												
Census estimates	5,777,887	1,207,044	960,696	7,945,628	6,059,643	1,241,542	993,783	8,294,969	11,837,530	2,448,587	1,954,480	16,240,597
CPS estimate	6,091,361	1,380,242	913,987	8,385,591	6,392,655	1,266,736	906,847	8,566,238	12,484,016	2,646,978	1,820,834	16,951,829
Ratio of Census estimate to CPS estimate	0.949	0.875	1.051	0.948	0.948	0.980	1.096	0.968	0.948	0.925	1.073	0.958
<b>Age 4</b>												
Census estimates	5,830,154	1,199,398	956,259	7,985,810	6,124,706	1,236,522	987,344	8,348,572	11,954,859	2,435,919	1,943,603	16,334,382
CPS estimate	6,087,127	1,190,585	839,043	8,116,753	6,392,893	1,372,068	991,836	8,756,799	12,480,020	2,562,653	1,830,879	16,873,552
Ratio of Census estimate to CPS estimate	0.958	1.007	1.140	0.984	0.958	0.901	0.995	0.953	0.958	0.951	1.062	0.968
<b>Total Age 1 to 4</b>												
Census estimates	23,000,497	4,818,739	3,862,507	31,681,743	24,121,855	4,962,376	3,994,087	33,078,317	47,122,352	9,781,115	7,856,594	64,760,061
CPS estimate	24,257,739	5,096,668	3,638,454	32,992,861	25,454,288	5,246,089	3,787,614	34,487,991	49,712,027	10,342,757	7,426,068	67,480,852
Ratio of Census estimate to CPS estimate	0.948	0.945	1.062	0.960	0.948	0.946	1.055	0.959	0.948	0.946	1.058	0.960
<b>Total Age 0 to 4</b>												
Census estimates	28,640,446	6,016,581	4,854,456	39,511,483	30,029,874	6,202,804	5,027,541	41,260,219	58,670,320	12,219,385	9,881,997	80,771,702
CPS estimate	30,293,951	6,273,448	4,489,976	41,057,375	31,776,023	6,491,674	4,670,638	42,938,335	62,069,974	12,765,122	9,160,614	83,995,710
Ratio of Census estimate to CPS estimate	0.945	0.959	1.081	0.962	0.945	0.956	1.076	0.961	0.945	0.957	1.079	0.962

Source: March 2009 CPS, March 2010 CPS, March 2011 CPS, and March 2012 CPS; Intercensal Census estimates with imputations for March 2009-2010, postcensal Census estimates for March 2011-2012.

Census estimates represent estimates for March 2009-2012 based on the 2010 Census. CPS estimates use weights based on the 2000 Census (March 2009-2011) and 2010 Census (March 2012), and with updated Census controls used in the weight calculations.

The weights were calculated using more age detail for children to provide better estimates of children by single year of age.

Note: To calculate WIC eligibles in the CPS, the age/race/gender specific ratios are applied to the CPS weights by age/race/gender to adjust for the under/over count of children in the CPS relative to the Census estimates. The ratios shown in the total columns (by age/race/gender) are for informational purposes only.

**Table A.3b-2011: Current Year Census Estimates and CPS Estimates by Single-Year Age Groups, Race and Gender, March 2012**

*NOTE: This table does not include estimates for the territories.*

	Females				Males				Total			
	White	Black	Other	Total	White	Black	Other	Total	White	Black	Other	Total
<b>Age 0</b>												
Census estimates	1,399,264	297,331	256,332	1,952,927	1,465,392	310,889	267,532	2,043,813	2,864,656	608,220	523,864	3,996,740
CPS estimate	1,398,679	281,636	233,244	1,913,559	1,464,882	290,886	233,784	1,989,552	2,863,561	572,522	467,028	3,903,111
Ratio of Census estimate to CPS estimate	1.000	1.056	1.099	1.021	1.000	1.069	1.144	1.027	1.000	1.062	1.122	1.024
<b>Age 1</b>												
Census estimates	1,408,870	297,952	255,674	1,962,496	1,475,754	310,853	265,121	2,051,728	2,884,624	608,805	520,795	4,014,224
CPS estimate	1,408,596	313,214	278,601	2,000,411	1,475,473	330,377	298,704	2,104,555	2,884,069	643,591	577,305	4,104,966
Ratio of Census estimate to CPS estimate	1.000	0.951	0.918	0.981	1.000	0.941	0.888	0.975	1.000	0.946	0.902	0.978
<b>Age 2</b>												
Census estimates	1,398,897	295,587	247,355	1,941,839	1,465,472	303,793	254,637	2,023,902	2,864,369	599,380	501,992	3,965,741
CPS estimate	1,398,645	262,754	258,682	1,920,081	1,465,232	310,839	234,591	2,010,662	2,863,877	573,593	493,273	3,930,743
Ratio of Census estimate to CPS estimate	1.000	1.125	0.956	1.011	1.000	0.977	1.085	1.007	1.000	1.045	1.018	1.009
<b>Age 3</b>												
Census estimates	1,421,804	302,230	244,783	1,968,817	1,489,321	310,762	253,341	2,053,424	2,911,125	612,992	498,124	4,022,241
CPS estimate	1,421,508	346,274	231,220	1,999,002	1,489,060	287,509	238,814	2,015,383	2,910,568	633,783	470,034	4,014,385
Ratio of Census estimate to CPS estimate	1.000	0.873	1.059	0.985	1.000	1.081	1.061	1.019	1.000	0.967	1.060	1.002
<b>Age 4</b>												
Census estimates	1,457,088	307,745	249,106	2,013,939	1,528,517	316,128	257,912	2,102,557	2,985,605	623,873	507,018	4,116,496
CPS estimate	1,456,847	296,125	251,147	2,004,118	1,528,254	331,882	292,307	2,152,444	2,985,101	628,007	543,454	4,156,562
Ratio of Census estimate to CPS estimate	1.000	1.039	0.992	1.005	1.000	0.953	0.882	0.977	1.000	0.993	0.933	0.990
<b>Total Age 1 to 4</b>												
Census estimates	5,686,659	1,203,514	996,918	7,887,091	5,959,064	1,241,536	1,031,011	8,231,611	11,645,723	2,445,050	2,027,929	16,118,702
CPS estimate	5,685,596	1,218,367	1,019,650	7,923,613	5,958,019	1,260,607	1,064,416	8,283,042	11,643,615	2,478,974	2,084,066	16,206,655
Ratio of Census estimate to CPS estimate	1.000	0.988	0.978	0.995	1.000	0.985	0.969	0.994	1.000	0.986	0.973	0.995
<b>Total Age 0 to 4</b>												
Census estimates	7,085,923	1,500,845	1,253,250	9,840,018	7,424,456	1,552,425	1,298,543	10,275,424	14,510,379	3,053,270	2,551,793	20,115,442
CPS estimate	7,084,275	1,500,003	1,252,894	9,837,172	7,422,901	1,551,493	1,298,200	10,272,594	14,507,176	3,051,496	2,551,094	20,109,766
Ratio of Census estimate to CPS estimate	1.000	1.001	1.000	1.000	1.000	1.001	1.000	1.000	1.000	1.001	1.000	1.000

Source: March 2009 CPS, March 2010 CPS, March 2011 CPS, and March 2012 CPS; Intercensal Census estimates with imputations for March 2009-2010, postcensal Census estimates for March 2011-2012.

Census estimates represent estimates for March 2009-2012 based on the 2010 Census. CPS estimates use weights based on the 2000 Census (March 2009-2011) and 2010 Census (March 2012), and with updated Census controls used in the weight calculations.

The weights were calculated using more age detail for children to provide better estimates of children by single year of age.

Note: To calculate WIC eligibles in the CPS, the age/race/gender specific ratios are applied to the CPS weights by age/race/gender to adjust for the under/over count of children in the CPS relative to the Census estimates. The ratios shown in the total columns (by age/race/gender) are for informational purposes only.

**Table A.3c-2011: Effect of Applying Population Adjustment Factors on Population Counts in the 2012 CPS ASEC by Race and Gender**

NOTE: This table does not include estimates for the territories.

	Females				Males				Total			
	White	Black	Other	Total	White	Black	Other	Total	White	Black	Other	Total
<b>Age 0</b>												
Population adjustment factor	1.000	1.018	1.099	na	1.000	1.000	1.144	na	na	na	na	na
Revised 2011 CPS estimate	1,398,679	286,677	256,335	1,941,691	1,464,882	290,886	267,542	2,023,310	2,863,561	577,563	523,877	3,965,001
Original 2011 CPS estimate	1,398,679	281,636	233,244	1,913,559	1,464,882	290,886	233,784	1,989,552	2,863,561	572,522	467,027	3,903,110
% relative change	0.0%	1.8%	9.9%	1.5%	0.0%	0.0%	14.4%	1.7%	0.0%	0.9%	12.2%	1.6%
<b>Age 1</b>												
Population adjustment factor	1.000	0.951	1.000	na	1.000	0.941	1.000	na	na	na	na	na
Revised 2011 CPS estimate	1,408,596	297,961	278,601	1,985,158	1,475,473	310,852	298,704	2,085,029	2,884,069	608,812	577,306	4,070,187
Original 2011 CPS estimate	1,408,596	313,214	278,601	2,000,411	1,475,473	330,377	298,704	2,104,555	2,884,069	643,591	577,306	4,104,966
% relative change	0.0%	-4.9%	0.0%	-0.8%	0.0%	-5.9%	0.0%	-0.9%	0.0%	-5.4%	0.0%	-0.8%
<b>Age 2</b>												
Population adjustment factor	1.000	1.019	1.000	na	1.000	1.000	1.085	na	na	na	na	na
Revised 2011 CPS estimate	1,398,645	267,747	258,682	1,925,074	1,465,232	310,839	254,649	2,030,720	2,863,877	578,586	513,331	3,955,794
Original 2011 CPS estimate	1,398,645	262,754	258,682	1,920,081	1,465,232	310,839	234,591	2,010,662	2,863,877	573,593	493,273	3,930,744
% relative change	0.0%	1.9%	0.0%	0.3%	0.0%	0.0%	8.5%	1.0%	0.0%	0.9%	4.1%	0.6%
<b>Age 3</b>												
Population adjustment factor	1.000	0.875	1.051	na	1.000	1.000	1.061	na	na	na	na	na
Revised 2011 CPS estimate	1,421,508	302,817	243,035	1,967,360	1,489,060	287,509	253,334	2,029,903	2,910,568	590,326	496,369	3,997,263
Original 2011 CPS estimate	1,421,508	346,274	231,220	1,999,002	1,489,060	287,509	238,814	2,015,383	2,910,568	633,783	470,034	4,014,385
% relative change	0.0%	-12.5%	5.1%	-1.6%	0.0%	0.0%	6.1%	0.7%	0.0%	-6.9%	5.6%	-0.4%
<b>Age 4</b>												
Population adjustment factor	1.000	1.007	1.000	na	1.000	0.953	0.995	na	na	na	na	na
Revised 2011 CPS estimate	1,456,847	298,316	251,147	2,006,309	1,528,254	316,118	290,992	2,135,364	2,985,101	614,434	542,139	4,141,673
Original 2011 CPS estimate	1,456,847	296,125	251,147	2,004,118	1,528,254	331,882	292,307	2,152,444	2,985,101	628,007	543,454	4,156,562
% relative change	0.0%	0.7%	0.0%	0.1%	0.0%	-4.8%	-0.4%	-0.8%	0.0%	-2.2%	-0.2%	-0.4%
<b>Total Age 1 to 4</b>												
Population adjustment factor	na	na	na	na	na							
Revised 2011 CPS estimate	5,685,596	1,166,840	1,031,465	7,883,901	5,958,020	1,225,317	1,097,679	8,281,016	11,643,616	2,392,157	2,129,144	16,164,917
Original 2011 CPS estimate	5,685,596	1,218,367	1,019,649	7,923,613	5,958,020	1,260,607	1,064,417	8,283,044	11,643,616	2,478,974	2,084,067	16,206,657
% relative change	0.0%	-4.2%	1.2%	-0.5%	0.0%	-2.8%	3.1%	0.0%	0.0%	-3.5%	2.2%	-0.3%
<b>Total Age 0 to 4</b>												
Population adjustment factor	na	na	na	na	na							
Revised 2011 CPS estimate	7,084,275	1,453,517	1,287,800	9,825,592	7,422,902	1,516,204	1,365,221	10,304,327	14,507,177	2,969,721	2,653,021	20,129,919
Original 2011 CPS estimate	7,084,275	1,500,003	1,252,893	9,837,171	7,422,902	1,551,493	1,298,201	10,272,596	14,507,177	3,051,496	2,551,094	20,109,767
% relative change	0.0%	-3.1%	2.8%	-0.1%	0.0%	-2.3%	5.2%	0.3%	0.0%	-2.7%	4.0%	0.1%

Source: March 2009 CPS, March 2010 CPS, March 2011 CPS, and March 2012 CPS; intercensal Census estimates with imputations for March 2009-2010, postcensal Census estimates for March 2011-2012.

Census estimates represent estimates for March 2009-2012 based on the 2010 Census. CPS estimates use weights based on the 2000 Census (March 2009-2011) and 2010 Census (March 2012), and with updated Census controls used in the weight calculations.

The weights were calculated using more age detail for children to provide better estimates of children by single year of age.

Note: To calculate WIC eligibles in the CPS, the age/race/gender specific ratios are applied to the CPS weights by age/race/gender to adjust for the under/over count of children in the CPS relative to the Census estimates. The ratios shown in the total columns (by age/race/gender) are for informational purposes only.

**Table A.4-2011: Breastfeeding Adjustment Factor Calculations for WIC Eligible Postpartum Women (1993-2011)**

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Breastfeeding rates among WIC-participants (IFS)																			
In-hospital	0.416	0.443	0.466	0.466	0.504	0.568	0.561	0.568	0.582	0.588	0.543	0.536	0.562	0.531	0.499	0.495	0.507	0.533	0.592
At 6 months	0.108	0.116	0.127	0.129	0.165	0.189	0.199	0.201	0.208	0.221	0.210	0.214	0.214	0.191	0.160	0.170	0.176	0.185	0.271
Breastfeeding rates among WIC-eligibles after NHANES adjustment																			
In-hospital	0.430	0.458	0.482	0.482	0.521	0.587	0.580	0.587	0.602	0.608	0.561	0.554	0.581	0.549	0.527	0.523	0.535	0.563	0.625
At 6 months	0.117	0.126	0.138	0.140	0.179	0.205	0.216	0.218	0.226	0.240	0.228	0.232	0.232	0.207	0.184	0.196	0.202	0.213	0.312
NHANES 'In-hospital' adjustment factor	1.034	1.034	1.034	1.034	1.034	1.034	1.034	1.034	1.034	1.034	1.034	1.034	1.034	1.034	1.056	1.056	1.056	1.056	1.056
NHANES 'At 6 months' adjustment factor	1.085	1.085	1.085	1.085	1.085	1.085	1.085	1.085	1.085	1.085	1.085	1.085	1.085	1.085	1.150	1.150	1.150	1.150	1.150
Breastfeeding rates among WIC-eligibles after adjustment for overestimate of monthly eligibility																			
In-hospital	0.274	0.292	0.307	0.307	0.332	0.375	0.370	0.375	0.384	0.388	0.358	0.353	0.371	0.350	0.327	0.324	0.332	0.349	0.388
At 6 months	0.096	0.103	0.113	0.115	0.147	0.168	0.177	0.179	0.185	0.197	0.187	0.191	0.191	0.170	0.153	0.163	0.169	0.177	0.260
Breastfeeding adjustment factors																			
Breastfeeding	0.185	0.198	0.210	0.211	0.240	0.271	0.274	0.277	0.284	0.292	0.272	0.272	0.281	0.260	0.240	0.244	0.250	0.263	0.324
<6 months postpartum	0.137	0.146	0.154	0.154	0.166	0.187	0.185	0.187	0.192	0.194	0.179	0.177	0.185	0.175	0.164	0.162	0.166	0.175	0.194
>=6 months postpartum	0.048	0.052	0.057	0.057	0.073	0.084	0.089	0.089	0.093	0.098	0.093	0.095	0.095	0.085	0.077	0.081	0.084	0.089	0.130
Not breastfeeding																			
<6 months postpartum	0.363	0.354	0.346	0.346	0.334	0.313	0.315	0.313	0.308	0.306	0.321	0.323	0.315	0.325	0.337	0.338	0.334	0.325	0.306

Sources:

Breastfeeding rates among WIC participants for 2011 are from the Infant Feeding Survey, Abbott Nutrition, Abbott Laboratories, as published in "2011 Breastfeeding Trends". This survey was formerly known as the "Ross Mothers Survey".

Adjustment for WIC eligible versus WIC participants from analysis of the combined 2001-2002, 2003-2004 and 2005-2006 NHANES.

Adjustment for using month 0 and month 6 breastfeeding rates (rather than monthly rates) and for certification periods from analysis of the 1996, 2001, and 2004 SIPP panels with breastfeeding prevalence rates derived from the combined 2001-2002, 2003-2004 and 2005-2006 NHANES.

Note: The columns corresponding to 1993 to 2006 use SIPP adjustment factors based on 1996 and 2001 SIPP panels. The 2007 and 2008 columns include the 2004 SIPP panel as well.

**Table A.5-2011: A Comparison of Estimates of the Average Monthly Number of Individuals Eligible for WIC by Participant Group in the March 2012 CPS. According to Whether the 2011 or 2010 Breastfeeding Rates are Used**

*NOTE: This table includes estimates for the territories.*

Participant Group	2011 (Using 2011 Breastfeeding Rates)			2011 (Using 2010 Breastfeeding Rates)			Percent Change		
	Eligibles	Non-Eligibles <sup>a</sup>	Total <sup>b</sup>	Eligibles	Non-Eligibles <sup>a</sup>	Total <sup>b</sup>	Eligibles	Non-Eligibles	Total
Infants	2,516,309	1,496,666	4,012,975	2,516,309	1,496,666	4,012,975	0.00%	0.00%	0.00%
Total Children Ages 1-4	8,888,005	7,477,459	16,365,464	8,888,005	7,477,459	16,365,464	0.00%	0.00%	0.00%
Children Age 1	2,325,258	1,795,215	4,120,473	2,325,258	1,795,215	4,120,473	0.00%	0.00%	0.00%
Children Age 2	2,154,671	1,850,767	4,005,439	2,154,671	1,850,767	4,005,439	0.00%	0.00%	0.00%
Children Age 3	2,180,779	1,866,200	4,046,978	2,180,779	1,866,200	4,046,978	0.00%	0.00%	0.00%
Children Age 4	2,227,296	1,965,278	4,192,574	2,227,296	1,965,278	4,192,574	0.00%	0.00%	0.00%
Pregnant Women	1,294,668			1,294,668			0.00%		
Postpartum Breastfeeding Women	811,356			659,699			22.99%		
Postpartum Non-Breastfeeding Women	767,116			815,565			-5.94%		
<b>Total WIC Eligibles</b>	<b>14,277,453</b>			<b>14,174,246</b>			<b>0.73%</b>		

Source: March 2012 CPS; 2004 and 2008 SIPP panels; 2001-2002, 2003-2004, 2005-2006 NHANES

Notes:

<sup>a</sup>The non-eligible infants and children represent the difference between the total estimates of infants and children age 1 to 4 in the total United States and the WIC-eligible infants and children.

<sup>b</sup>The total numbers of infants and children represent the sum of the March 2012 total number of infants and children adjusted for the under and over count of infants and children in the CPS relative to Census estimates, plus the numbers of infants and children in Puerto Rico and the other island territories based on the 2011 PRCS and annual Census Bureau population estimates.

**Table A.6-2011: Adjustments for Calculating the Average Monthly Number of Individuals Eligible for WIC by Participant Group  
CY 2011 (March 2012 CPS)**

NOTE: Estimates for the territories are added at the bottom of this table. The top portion of this table does not include estimates from the territories.

	Infants	Children Age 1	Children Age 2	Children Age 3	Children Age 4	Total Children Age 1 to 4	Pregnant Women	Postpartum Breastfeeding Women	Postpartum Non- Breastfeeding Women	Total
Total number of infants/children in the 2012 CPS-ASEC	3,903,110	4,104,966	3,930,744	4,014,385	4,156,562	16,206,657				20,109,767
Number (non-U.S. Territory) after adjustment for CPS under/overcount <sup>a</sup>	3,965,001	4,070,187	3,955,794	3,997,263	4,141,673	16,164,917				20,129,919
Number with annual income <185% FPG	1,783,049	1,808,639	1,726,178	1,751,075	1,795,053	7,080,945				8,863,994
Number of additional people adjunctively eligible above 185% FPG	413,998	497,269	411,228	409,621	412,580	1,730,698				2,144,696
Through SNAP <sup>b</sup>	87,844	125,101	89,280	103,456	78,787	396,624				484,468
Through TANF	18,899	16,017	2,633	9,323	639	28,611				47,510
Through Medicaid	307,255	356,151	319,315	296,842	333,155	1,305,463				1,612,718
Total number income and adjunctively eligible	2,197,047	2,305,908	2,137,406	2,160,696	2,207,633	8,811,643				11,008,690
Number after monthly income adjustment <sup>c</sup>	2,548,575	2,305,908	2,137,406	2,160,696	2,207,633	8,811,643				11,360,218
<b>Total Eligibles - Number after adjustment for nutritional risk (infants and children)<sup>d</sup></b>	2,472,118	2,282,849	2,116,032	2,139,089	2,185,557	8,723,527				11,195,644
Starting point for estimates of women is fully eligible infants							2,472,118	2,472,118	2,472,118	7,416,353
Number after adjustment for length of pregnancy and income of woman during pregnancy <sup>e</sup>							1,316,403			1,316,403
Number after adjustment for multiple births and infant deaths <sup>f</sup>							1,311,269	2,462,476	2,462,476	6,236,221
Number after adjustment for breastfeeding								797,106	753,644	1,550,750
<b>Total Eligibles - Number after adjustment for nutritional risk (pregnant and postpartum women)<sup>d</sup></b>							1,271,931	797,106	753,644	2,822,681

Source: March 2012 CPS

	Infants	Children Age 1	Children Age 2	Children Age 3	Children Age 4	Total Children Ages 1-4	Pregnant Women	Postpartum Breastfeeding Women	Postpartum Non- Breastfeeding Women	Total
<b>CY 2011 - Eligibles in the U.S. Territories</b>										
<b>Total Eligibles in the U.S. Territories</b>	44,192	42,409	38,640	41,690	41,740	164,478	22,737	14,249	13,472	259,128

Source: 2011 PRCS and Census International Data Base

<b>Total Eligibles - States and Territories U.S. Total</b>	<b>2,516,309</b>	<b>2,325,258</b>	<b>2,154,671</b>	<b>2,180,779</b>	<b>2,227,296</b>	<b>8,888,005</b>	<b>1,294,668</b>	<b>811,356</b>	<b>767,116</b>	<b>14,277,453</b>
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Notes for Table A.6-2011:

FPG = Federal poverty guidelines

<sup>a</sup> See Tables A.3a and A3.b for the adjustment factors used to correct for the under/over count of infants and children in the CPS relative to estimates based on the Census. Table A.3a compares 4 years of accumulated CPS and Census estimates for children ages 0 to 4 by single years of age, gender and race (white, black, and other) and calculates adjustment factors based on the ratio of the Census estimate to the CPS estimate. Table A.3b shows the

<sup>b</sup> There is a hierarchy imposed on the number of infants and children adjunctively eligible for WIC. Any mention of SNAP receipt is coded as SNAP; if no mention of SNAP, but report TANF, coded as TANF. If no mention of SNAP or TANF, coded as Medicaid.

<sup>c</sup> The SIPP-based multipliers used to adjust for monthly versus annual income and to account for certification periods are:

Infants:	1.16
Children:	1.00

<sup>d</sup> The adjustment factors for nutritional risk by participant group are:

Infants	0.97
Children	0.99
Pregnant women	0.97
Postpartum breastfeeding women	1.00
Postpartum nonbreastfeeding women	1.00

<sup>e</sup> The multiplier used to adjust for the length of pregnancy and a woman's income during pregnancy is:

Pregnancy length and income	0.533
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<sup>f</sup> The multiplier used to adjust for multiple births and infants deaths is:

Multiple births and infants death	0.9961
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<sup>g</sup> The multipliers used to adjust for breastfeeding status are:

Less than 12 months who breastfeed	0.324
Less than 6 months who do not breastfeed	0.306

**Table A.7a-2011: Estimates of the Average Monthly Number of Infants and Children Eligible for WIC by Income and Adjunctive Eligibility in the 2012 CPS-ASEC by Demographic Characteristics - CY 2011**  
**Unadjusted weights<sup>a</sup>**

*NOTE: This table does not include estimates for the territories.*

Demographic Characteristics	WIC-Eligible Infants			WIC-Eligible Children Age 1			WIC-Eligible Children Age 2		
	Family income <185% FPG <sup>b</sup>	Adjunct- ively eligible <sup>c</sup>	Total	Family income <185% FPG <sup>b</sup>	Adjunct- ively eligible <sup>c</sup>	Total	Family income <185% FPG <sup>b</sup>	Adjunct- ively eligible <sup>c</sup>	Total
	Total	1,755,043	407,041	2,162,084	1,827,739	503,270	2,331,008	1,713,923	407,951
Gender									
Male	905,225	213,702	1,118,927	929,836	249,039	1,178,875	889,161	210,365	1,099,527
Female	849,818	193,339	1,043,156	897,902	254,231	1,152,133	824,762	197,585	1,022,347
Race									
White	1,163,586	306,595	1,470,180	1,194,837	309,007	1,503,844	1,141,760	262,331	1,404,090
Black	392,971	45,668	438,639	355,304	110,515	465,819	350,418	79,838	430,256
Other	198,486	54,779	253,265	277,597	83,748	361,345	221,746	65,782	287,528
Ethnicity									
Hispanic	610,980	136,893	747,872	629,079	133,258	762,337	688,696	97,520	786,216
Non-Hispanic	1,144,063	270,148	1,414,211	1,198,660	370,011	1,568,671	1,025,227	310,431	1,335,657
Living arrangement									
Two-parent family	1,043,722	265,552	1,309,274	1,035,986	343,097	1,379,083	902,466	261,918	1,164,384
Single-parent family	627,407	131,329	758,737	716,106	144,751	860,857	723,464	111,740	835,204
No-parent family	83,913	10,160	94,073	75,647	15,422	91,069	87,993	34,293	122,286
Related non-parent caretaker	45,916	10,160	56,076	40,905	15,422	56,326	60,359	34,293	94,652
Unrelated non-parent caretaker	37,996	0	37,996	34,742	0	34,742	27,634	0	27,634
Household size (number of persons)									
2	93,622	6,617	100,239	126,024	18,131	144,156	113,566	17,809	131,374
3	353,806	133,719	487,525	436,898	117,625	554,523	318,656	95,070	413,727
4	535,847	105,827	641,674	505,835	172,571	678,407	458,622	125,970	584,592
5	383,791	60,484	444,275	361,005	111,892	472,897	370,096	85,272	455,368
6 or more	387,977	100,394	488,371	397,976	83,050	481,027	452,983	83,829	536,813
Mean	4.6	4.5	4.6	4.5	4.4	4.5	4.7	4.5	4.7
Number with working parent(s)	1,068,387	304,905	1,373,292	1,175,706	432,347	1,608,053	1,095,827	357,698	1,453,525
Annual family income relative to poverty <sup>b</sup>									
Less than 50% FPL	538,067	0	538,067	521,864	0	521,864	530,039	0	530,039
50% to <100% FPL	490,163	0	490,163	526,052	0	526,052	490,355	0	490,355
100% to <130% FPL	300,420	0	300,420	322,089	0	322,089	290,261	0	290,261
130% to <185% FPL <sup>d</sup>	418,333	21,754	440,087	449,836	23,886	473,723	396,164	25,111	421,274
185% to <200% FPL	6,186	44,585	50,771	7,138	72,779	79,917	5,997	45,279	51,277
200% to <250% FPL	1,873	138,856	140,729	759	152,080	152,839	1,108	119,510	120,617
250% FPL and above	0	201,846	201,846	0	254,525	254,525	0	218,051	218,051
Annual family income									
Mean	\$20,654	\$76,408	\$31,150	\$20,913	\$71,840	\$31,908	\$20,657	\$83,386	\$32,717
Median	\$20,000	\$62,000	\$25,000	\$20,000	\$57,425	\$25,010	\$20,000	\$63,686	\$25,000
Benefit receipt									
No benefit receipt	437,511	0	437,511	440,176	0	440,176	380,228	0	380,228
SNAP, TANF, & Medicaid	119,060	14,254	133,314	136,053	13,646	149,698	131,921	7,974	139,895
SNAP & TANF	0	0	0	2,180	0	2,180	0	0	0
SNAP & Medicaid	652,470	58,864	711,334	640,366	89,012	729,378	667,824	68,368	736,191
TANF & Medicaid	19,258	18,848	38,107	14,265	16,297	30,562	30,527	2,633	33,160
SNAP only	107,801	12,719	120,520	136,048	25,083	161,130	72,685	11,767	84,452
TANF only	0	0	0	0	0	0	0	0	0
Medicaid only	418,942	302,355	721,298	458,651	359,232	817,883	430,738	317,209	747,948

Source: 2012 CPS-ASEC  
 See notes at the end of this table.

**Table A.7a-2011: Estimates of the Average Monthly Number of Infants and Children Eligible for WIC by Income and Adjunctive Eligibility in the 2012 CPS-ASEC by Demographic Characteristics - CY 2011**  
**Unadjusted weights<sup>a</sup>**

*NOTE: This table does not include estimates for the territories.*

Demographic Characteristics	WIC-Eligible Children Age 3			WIC-Eligible Children Age 4			WIC-Eligible Children Age 1 to 4		
	Family income <185% FPG <sup>b</sup>	Adjunct- ively eligible <sup>c</sup>	Total	Family income <185% FPG <sup>b</sup>	Adjunct- ively eligible <sup>c</sup>	Total	Family income <185% FPG <sup>b</sup>	Adjunct- ively eligible <sup>c</sup>	Total
	Total	1,768,710	410,598	2,179,308	1,803,415	414,493	2,217,907	7,113,787	1,736,311
Gender									
Male	919,942	207,550	1,127,492	958,120	211,244	1,169,365	3,697,060	878,198	4,575,258
Female	848,768	203,048	1,051,817	845,294	203,248	1,048,543	3,416,727	858,113	4,274,840
Race									
White	1,174,620	293,572	1,468,192	1,199,605	287,039	1,486,644	4,710,821	1,151,949	5,862,770
Black	412,460	61,188	473,648	382,459	65,470	447,929	1,500,641	317,011	1,817,652
Other	181,630	55,838	237,468	221,351	61,983	283,334	902,325	267,350	1,169,675
Ethnicity									
Hispanic	645,251	104,739	749,989	654,852	122,374	777,226	2,617,878	457,891	3,075,769
Non-Hispanic	1,123,460	305,860	1,429,319	1,148,563	292,119	1,440,681	4,495,909	1,278,420	5,774,329
Living arrangement									
Two-parent family	918,541	265,800	1,184,341	933,563	260,066	1,193,630	3,790,556	1,130,881	4,921,438
Single-parent family	758,105	129,774	887,878	789,550	136,482	926,032	2,987,225	522,747	3,509,971
No-parent family	92,065	15,024	107,089	80,301	17,944	98,246	336,006	82,683	418,689
Related non-parent caretaker	70,495	15,024	85,519	62,631	17,944	80,575	234,390	82,683	317,072
Unrelated non-parent caretaker	21,570	0	21,570	17,671	0	17,671	101,616	0	101,616
Household size (number of persons)									
2	92,935	14,376	107,311	89,848	13,312	103,159	422,372	63,627	486,000
3	331,083	78,404	409,487	305,930	79,108	385,038	1,392,567	370,207	1,762,774
4	478,732	142,620	621,352	519,953	164,543	684,497	1,963,143	605,704	2,568,847
5	391,980	71,174	463,155	434,421	82,181	516,602	1,557,502	350,519	1,908,021
6 or more	473,980	104,025	578,005	453,263	75,349	528,612	1,778,202	346,254	2,124,456
Mean	4.8	4.6	4.8	4.7	4.4	4.7	4.7	4.5	4.6
Number with working parent(s)	1,185,038	356,493	1,541,532	1,211,334	371,612	1,582,946	4,667,906	1,518,150	6,186,056
Annual family income relative to poverty <sup>b</sup>									
Less than 50% FPL	510,839	0	510,839	487,806	0	487,806	2,050,548	0	2,050,548
50% to <100% FPL	511,287	0	511,287	538,750	0	538,750	2,066,444	0	2,066,444
100% to <130% FPL	290,279	0	290,279	311,690	0	311,690	1,214,319	0	1,214,319
130% to <185% FPL <sup>d</sup>	440,023	15,473	455,496	457,564	15,626	473,190	1,743,587	80,097	1,823,683
185% to <200% FPL	15,594	59,325	74,919	7,003	62,466	69,468	35,732	239,848	275,580
200% to <250% FPL	688	134,531	135,219	602	143,402	144,004	3,157	549,522	552,679
250% FPL and above	0	201,269	201,269	0	192,999	192,999	0	866,844	866,844
Annual family income									
Mean	\$21,601	\$72,954	\$31,276	\$21,514	\$76,407	\$31,773	\$21,175	\$75,906	\$31,913
Median	\$20,800	\$61,198	\$25,538	\$20,800	\$59,464	\$25,045	\$20,055	\$60,000	\$25,000
Benefit receipt									
No benefit receipt	458,972	0	458,972	446,568	0	446,568	1,725,944	0	1,725,944
SNAP, TANF, & Medicaid	111,105	6,998	118,102	162,586	3,441	166,027	541,665	32,058	573,723
SNAP & TANF	1,700	0	1,700	3,272	0	3,272	7,152	0	7,152
SNAP & Medicaid	695,083	73,220	768,303	694,681	69,063	763,744	2,697,955	299,662	2,997,617
TANF & Medicaid	8,438	9,323	17,761	13,814	639	14,453	67,045	28,891	95,936
SNAP only	111,844	24,731	136,574	69,022	7,037	76,060	389,599	68,617	458,216
TANF only	0	0	0	0	0	0	0	0	0
Medicaid only	381,568	296,327	677,896	413,471	334,313	747,784	1,684,428	1,307,082	2,991,510

Source: 2012 CPS-ASEC

See notes at the end of this table.

**Table A.7a-2011: Estimates of the Average Monthly Number of Infants and Children Eligible for WIC by Income and Adjunctive Eligibility in the 2012 CPS-ASEC by Demographic Characteristics - CY 2011**  
**Unadjusted weights<sup>a</sup>**

*NOTE: This table does not include estimates for the territories.*

Demographic Characteristics	WIC-Eligible Infants			WIC-Eligible Children Age 1			WIC-Eligible Children Age 2		
	Family income <185% FPG <sup>b</sup>	Adjunct- ively eligible <sup>c</sup>	Total	Family income <185% FPG <sup>b</sup>	Adjunct- ively eligible <sup>c</sup>	Total	Family income <185% FPG <sup>b</sup>	Adjunct- ively eligible <sup>c</sup>	Total
	Total	1,755,043	407,041	2,162,084	1,827,739	503,270	2,331,008	1,713,923	407,951
Gender									
Male	51.6	52.5	51.8	50.9	49.5	50.6	51.9	51.6	51.8
Female	48.4	47.5	48.2	49.1	50.5	49.4	48.1	48.4	48.2
Race									
White	66.3	75.3	68.0	65.4	61.4	64.5	66.6	64.3	66.2
Black	22.4	11.2	20.3	19.4	22.0	20.0	20.4	19.6	20.3
Other	11.3	13.5	11.7	15.2	16.6	15.5	12.9	16.1	13.6
Ethnicity									
Hispanic	34.8	33.6	34.6	34.4	26.5	32.7	40.2	23.9	37.1
Non-Hispanic	65.2	66.4	65.4	65.6	73.5	67.3	59.8	76.1	62.9
Living arrangement									
Two-parent family	59.5	65.2	60.6	56.7	68.2	59.2	52.7	64.2	54.9
Single-parent family	35.7	32.3	35.1	39.2	28.8	36.9	42.2	27.4	39.4
No-parent family	4.8	2.5	4.4	4.1	3.1	3.9	5.1	8.4	5.8
Related non-parent caretaker	2.6	2.5	2.6	2.2	3.1	2.4	3.5	8.4	4.5
Unrelated non-parent caretaker	2.2	0.0	1.8	1.9	0.0	1.5	1.6	0.0	1.3
Household size (number of persons)									
2	5.3	1.6	4.6	6.9	3.6	6.2	6.6	4.4	6.2
3	20.2	32.9	22.5	23.9	23.4	23.8	18.6	23.3	19.5
4	30.5	26.0	29.7	27.7	34.3	29.1	26.8	30.9	27.6
5	21.9	14.9	20.5	19.8	22.2	20.3	21.6	20.9	21.5
6 or more	22.1	24.7	22.6	21.8	16.5	20.6	26.4	20.5	25.3
% with working parent(s)	60.9	74.9	63.5	64.3	85.9	69.0	63.9	87.7	68.5
Annual family income relative to poverty <sup>b</sup>									
Less than 50% FPL	30.7	0.0	24.9	28.6	0.0	22.4	30.9	0.0	25.0
50% to <100% FPL	27.9	0.0	22.7	28.8	0.0	22.6	28.6	0.0	23.1
100% to <130% FPL	17.1	0.0	13.9	17.6	0.0	13.8	16.9	0.0	13.7
130% to <185% FPL <sup>d</sup>	23.8	5.3	20.4	24.6	4.7	20.3	23.1	6.2	19.9
185% to <200% FPL	0.4	11.0	2.3	0.4	14.5	3.4	0.3	11.1	2.4
200% to <250% FPL	0.1	34.1	6.5	0.0	30.2	6.6	0.1	29.3	5.7
250% FPL and above	0.0	49.6	9.3	0.0	50.6	10.9	0.0	53.5	10.3
Benefit receipt									
No benefit receipt	24.9	0.0	20.2	24.1	0.0	18.9	22.2	0.0	17.9
SNAP, TANF, & Medicaid	6.8	3.5	6.2	7.4	2.7	6.4	7.7	2.0	6.6
SNAP & TANF	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0
SNAP & Medicaid	37.2	14.5	32.9	35.0	17.7	31.3	39.0	16.8	34.7
TANF & Medicaid	1.1	4.6	1.8	0.8	3.2	1.3	1.8	0.6	1.6
SNAP only	6.1	3.1	5.6	7.4	5.0	6.9	4.2	2.9	4.0
TANF only	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Medicaid only	23.9	74.3	33.4	25.1	71.4	35.1	25.1	77.8	35.2

Source: 2012 CPS-ASEC  
 See notes at the end of this table.

**Table A.7a-2011: Estimates of the Average Monthly Number of Infants and Children Eligible for WIC by Income and Adjunctive Eligibility in the 2012 CPS-ASEC by Demographic Characteristics - CY 2011**  
**Unadjusted weights<sup>a</sup>**

*NOTE: This table does not include estimates for the territories.*

Demographic Characteristics	WIC-Eligible Children Age 3			WIC-Eligible Children Age 4			WIC-Eligible Children Age 1 to 4		
	Family income <185% FPG <sup>b</sup>	Adjunct- ively eligible <sup>c</sup>	Total	Family income <185% FPG <sup>b</sup>	Adjunct- ively eligible <sup>c</sup>	Total	Family income <185% FPG <sup>b</sup>	Adjunct- ively eligible <sup>c</sup>	Total
	Total	1,768,710	410,598	2,179,308	1,803,415	414,493	2,217,907	7,113,787	1,736,311
Gender									
Male	52.0	50.5	51.7	53.1	51.0	52.7	52.0	50.6	51.7
Female	48.0	49.5	48.3	46.9	49.0	47.3	48.0	49.4	48.3
Race									
White	66.4	71.5	67.4	66.5	69.3	67.0	66.2	66.3	66.2
Black	23.3	14.9	21.7	21.2	15.8	20.2	21.1	18.3	20.5
Other	10.3	13.6	10.9	12.3	15.0	12.8	12.7	15.4	13.2
Ethnicity									
Hispanic	36.5	25.5	34.4	36.3	29.5	35.0	36.8	26.4	34.8
Non-Hispanic	63.5	74.5	65.6	63.7	70.5	65.0	63.2	73.6	65.2
Living arrangement									
Two-parent family	51.9	64.7	54.3	51.8	62.7	53.8	53.3	65.1	55.6
Single-parent family	42.9	31.6	40.7	43.8	32.9	41.8	42.0	30.1	39.7
No-parent family	5.2	3.7	4.9	4.5	4.3	4.4	4.7	4.8	4.7
Related non-parent caretaker	4.0	3.7	3.9	3.5	4.3	3.6	3.3	4.8	3.6
Unrelated non-parent caretaker	1.2	0.0	1.0	1.0	0.0	0.8	1.4	0.0	1.1
Household size (number of persons)									
2	5.3	3.5	4.9	5.0	3.2	4.7	5.9	3.7	5.5
3	18.7	19.1	18.8	17.0	19.1	17.4	19.6	21.3	19.9
4	27.1	34.7	28.5	28.8	39.7	30.9	27.6	34.9	29.0
5	22.2	17.3	21.3	24.1	19.8	23.3	21.9	20.2	21.6
6 or more	26.8	25.3	26.5	25.1	18.2	23.8	25.0	19.9	24.0
% with working parent(s)	67.0	86.8	70.7	67.2	89.7	71.4	65.6	87.4	69.9
Annual family income relative to poverty <sup>b</sup>									
Less than 50% FPL	28.9	0.0	23.4	27.0	0.0	22.0	28.8	0.0	23.2
50% to <100% FPL	28.9	0.0	23.5	29.9	0.0	24.3	29.0	0.0	23.3
100% to <130% FPL	16.4	0.0	13.3	17.3	0.0	14.1	17.1	0.0	13.7
130% to <185% FPL <sup>d</sup>	24.9	3.8	20.9	25.4	3.8	21.3	24.5	4.6	20.6
185% to <200% FPL	0.9	14.4	3.4	0.4	15.1	3.1	0.5	13.8	3.1
200% to <250% FPL	0.0	32.8	6.2	0.0	34.6	6.5	0.0	31.6	6.2
250% FPL and above	0.0	49.0	9.2	0.0	46.6	8.7	0.0	49.9	9.8
Benefit receipt									
No benefit receipt	25.9	0.0	21.1	24.8	0.0	20.1	24.3	0.0	19.5
SNAP, TANF, & Medicaid	6.3	1.7	5.4	9.0	0.8	7.5	7.6	1.8	6.5
SNAP & TANF	0.1	0.0	0.1	0.2	0.0	0.1	0.1	0.0	0.1
SNAP & Medicaid	39.3	17.8	35.3	38.5	16.7	34.4	37.9	17.3	33.9
TANF & Medicaid	0.5	2.3	0.8	0.8	0.2	0.7	0.9	1.7	1.1
SNAP only	6.3	6.0	6.3	3.8	1.7	3.4	5.5	4.0	5.2
TANF only	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Medicaid only	21.6	72.2	31.1	22.9	80.7	33.7	23.7	75.3	33.8

Source: 2012 CPS-ASEC

See notes at the end of this table.

Notes for Table A.7a-2011:  
FPG - Federal Poverty Guidelines  
FPL - Federal Poverty Level

<sup>a</sup> These estimates are tabulated from the unadjusted person weights on the 2012 CPS-ASEC. They are not adjusted to account for the under or over count of infants and children in the CPS relative to Census estimates, monthly income, or nutritional risk.

<sup>b</sup> This table uses both the Federal Poverty Guidelines (FPG) and the Federal Poverty Thresholds or "Levels" (FPL). The thresholds are used to calculate the ratio of annual family income to the poverty threshold for their family size. The guidelines are used in determining WIC eligibility. The Federal Poverty Thresholds are updated by the Census Bureau each year and are used mainly to produce official poverty population estimates. The Federal Poverty Guidelines are issued by the Department of Health and Human Services (HHS) and are a simplification of the poverty thresholds for use in determining financial eligibility for certain federal programs, including WIC.

<sup>c</sup> Infants and children adjunctively eligible are those whose family income was not below 185% FPG but who reported receipt of SNAP, Medicaid, or TANF. Therefore, the two categories are mutually exclusive.

<sup>d</sup> There are infants and children adjunctively eligible for WIC with annual family incomes above 185 percent of the Federal Poverty Guidelines (FPG) who have annual family incomes below 185% of the Federal Poverty Level (FPL). For example, in Jan 2009 a family of five with three children and an annual family income of \$45,125 has an income to FPL ratio of 1.734, but an income to FPG ratio of 1.750 (FPL for a family of 5 = \$26,023; FPG for a family of 5 = \$25,790).

**Table A.7b-2011: Estimates of the Average Monthly Number of Infants and Children Eligible for WIC by Income and Adjunctive Eligibility in the 2012 CPS-ASEC by Demographic Characteristics - CY 2011**  
Fully adjusted weights<sup>a</sup>

NOTE: This table does not include estimates for the territories.

Demographic Characteristics	WIC-Eligible Infants			WIC-Eligible Children Age 1			WIC-Eligible Children Age 2		
	Family income <185% FPG <sup>b</sup>	Adjunctively eligible <sup>c</sup>	Total	Family income <185% FPG <sup>b</sup>	Adjunctively eligible <sup>c</sup>	Total	Family income <185% FPG <sup>b</sup>	Adjunctively eligible <sup>c</sup>	Total
	Total	2,040,878	473,863	2,514,741	1,808,458	497,220	2,305,678	1,726,005	411,186
Gender									
Male	1,053,501	249,044	1,302,545	919,536	245,502	1,165,038	898,619	212,686	1,111,305
Female	987,378	224,819	1,212,196	888,922	251,718	1,140,640	827,386	198,500	1,025,887
Race									
White	1,331,840	350,928	1,682,768	1,194,718	308,976	1,503,694	1,141,645	262,305	1,403,950
Black	453,895	52,632	506,527	336,171	104,504	440,675	353,089	80,765	433,854
Other	255,143	70,303	325,446	277,570	83,739	361,309	231,270	68,117	299,387
Ethnicity									
Hispanic	701,931	159,671	861,603	628,189	132,308	760,498	691,737	97,865	789,603
Non-Hispanic	1,338,947	314,191	1,653,138	1,180,269	364,911	1,545,180	1,034,268	313,321	1,347,589
Living arrangement									
Two-parent family	1,211,581	308,900	1,520,481	1,030,599	340,303	1,370,902	908,283	263,806	1,172,089
Single-parent family	731,408	153,152	884,560	703,099	141,622	844,722	729,245	112,853	842,097
No-parent family	97,889	11,811	109,699	74,759	15,295	90,054	88,477	34,528	123,005
Related non-parent caretaker	53,716	11,811	65,527	40,138	15,295	55,432	60,718	34,528	95,246
Unrelated non-parent caretaker	44,173	0	44,173	34,622	0	34,622	27,759	0	27,759
Household size (number of persons)									
2	109,287	7,632	116,919	123,463	18,023	141,486	114,383	17,912	132,295
3	412,051	154,259	566,311	432,172	115,988	548,160	321,306	95,969	417,275
4	621,938	123,130	745,068	501,396	170,235	671,630	461,334	126,867	588,201
5	446,162	70,110	516,272	357,757	110,820	468,577	373,454	86,058	459,512
6 or more	451,440	118,731	570,171	393,670	82,154	475,824	455,528	84,380	539,908
Mean	4.6	4.6	4.6	4.5	4.4	4.5	4.7	4.5	4.7
Number with working parent(s)	1,241,523	355,641	1,597,164	1,165,047	427,790	1,592,837	1,103,872	360,166	1,464,038
Annual family income relative to poverty <sup>b</sup>									
Less than 50% FPL	625,952	0	625,952	515,011	0	515,011	533,917	0	533,917
50% to <100% FPL	568,849	0	568,849	519,538	0	519,538	494,503	0	494,503
100% to <130% FPL	350,258	0	350,258	319,612	0	319,612	291,835	0	291,835
130% to <185% FPL <sup>d</sup>	486,224	25,221	511,445	446,432	23,399	469,831	398,596	25,356	423,952
185% to <200% FPL	7,218	52,129	59,347	7,107	71,871	78,978	5,997	45,607	51,603
200% to <250% FPL	2,377	163,017	165,393	759	149,992	150,751	1,158	120,305	121,463
250% FPL and above	0	233,496	233,496	0	251,958	251,958	0	219,918	219,918
Annual family income									
Mean	\$20,653	\$76,402	\$31,158	\$20,943	\$71,880	\$31,927	\$20,653	\$83,357	\$32,717
Median	\$20,000	\$62,600	\$25,000	\$20,000	\$57,425	\$25,010	\$20,000	\$63,265	\$25,000
Benefit receipt									
No benefit receipt	507,103	0	507,103	437,403	0	437,403	382,708	0	382,708
SNAP, TANF, & Medicaid	137,633	16,696	154,329	133,504	13,271	146,775	133,232	8,108	141,339
SNAP & TANF	0	0	0	2,074	0	2,074	0	0	0
SNAP & Medicaid	760,112	69,292	829,404	632,506	87,545	720,051	672,392	69,398	741,790
TANF & Medicaid	22,043	21,632	43,675	14,165	16,016	30,181	30,665	2,633	33,297
SNAP only	125,974	14,559	140,533	133,722	24,272	157,994	73,603	11,766	85,368
TANF only	0	0	0	0	0	0	0	0	0
Medicaid only	488,013	351,684	839,697	455,084	356,116	811,200	433,406	319,283	752,689

Source: 2012 CPS-ASEC  
See notes at the end of this table.

**Table A.7b-2011: Estimates of the Average Monthly Number of Infants and Children Eligible for WIC by Income and Adjunctive Eligibility in the 2012 CPS-ASEC by Demographic Characteristics - CY 2011**  
Fully adjusted weights<sup>a</sup>

NOTE: This table does not include estimates for the territories.

Demographic Characteristics	WIC-Eligible Children Age 3			WIC-Eligible Children Age 4			WIC-Eligible Children Ages 1-4		
	Family income <185% FPG <sup>b</sup>	Adjunct- ively eligible <sup>c</sup>	Total	Family income <185% FPG <sup>b</sup>	Adjunct- ively eligible <sup>c</sup>	Total	Family income <185% FPG <sup>b</sup>	Adjunct- ively eligible <sup>c</sup>	Total
	Total	1,750,900	409,580	2,160,480	1,794,874	412,539	2,207,413	7,080,237	1,730,525
Gender									
Male	926,285	208,930	1,135,215	948,270	209,126	1,157,396	3,692,710	876,244	4,568,954
Female	824,615	200,649	1,025,264	846,604	203,413	1,050,017	3,387,527	854,281	4,241,808
Race									
White	1,174,503	293,542	1,468,045	1,199,485	287,011	1,486,495	4,710,350	1,151,834	5,862,184
Black	384,479	57,128	441,606	374,596	63,731	438,327	1,448,336	306,127	1,754,463
Other	191,919	58,909	250,828	220,793	61,798	282,591	921,551	272,563	1,194,115
Ethnicity									
Hispanic	645,347	104,888	750,234	653,890	122,246	776,137	2,619,163	457,308	3,076,471
Non-Hispanic	1,105,553	304,692	1,410,245	1,140,984	290,293	1,431,276	4,461,074	1,273,217	5,734,291
Living arrangement									
Two-parent family	917,323	266,425	1,183,748	931,128	259,089	1,190,216	3,787,334	1,129,622	4,916,955
Single-parent family	743,762	128,132	871,894	784,197	135,718	919,915	2,960,303	518,325	3,478,628
No-parent family	89,814	15,023	104,837	79,549	17,733	97,282	332,600	82,578	415,178
Related non-parent caretaker	68,231	15,023	83,254	62,013	17,733	79,746	231,100	82,578	313,678
Unrelated non-parent caretaker	21,583	.	21,583	17,536	.	17,536	101,500	0	101,500
Household size (number of persons)									
2	90,573	14,007	104,581	89,223	13,243	102,466	417,641	63,186	480,827
3	326,709	77,358	404,066	304,797	78,816	383,613	1,384,984	368,131	1,753,115
4	474,951	142,737	617,687	517,041	163,898	680,939	1,954,722	603,736	2,558,458
5	386,923	71,049	457,972	432,100	81,759	513,859	1,550,235	349,685	1,899,920
6 or more	471,744	104,429	576,174	451,712	74,823	526,535	1,772,655	345,787	2,118,441
Mean	4.8	4.6	4.8	4.7	4.4	4.7	4.7	4.5	4.6
Number with working parent(s)	1,177,445	356,249	1,533,694	1,206,843	369,926	1,576,769	4,653,207	1,514,131	6,167,338
Annual family income relative to poverty <sup>b</sup>									
Less than 50% FPL	501,756	0	501,756	484,383	0	484,383	2,035,067	0	2,035,067
50% to <100% FPL	504,485	0	504,485	536,863	0	536,863	2,055,388	0	2,055,388
100% to <130% FPL	289,582	0	289,582	310,452	0	310,452	1,211,481	0	1,211,481
130% to <185% FPL <sup>d</sup>	439,292	15,395	454,687	455,526	15,613	471,138	1,739,845	79,763	1,819,608
185% to <200% FPL	15,063	59,374	74,437	7,048	61,923	68,971	35,214	238,775	273,989
200% to <250% FPL	723	133,383	134,106	602	142,469	143,071	3,242	546,149	549,391
250% FPL and above	0	201,427	201,427	0	192,534	192,534	0	865,838	865,838
Annual family income									
Mean	\$21,712	\$73,018	\$31,438	\$21,531	\$76,465	\$31,797	\$21,211	\$75,969	\$31,966
Median	\$20,800	\$61,198	\$25,799	\$20,816	\$59,464	\$25,223	\$20,102	\$60,000	\$25,001
Benefit receipt									
No benefit receipt	455,906	0	455,906	444,949	0	444,949	1,720,966	0	1,720,966
SNAP, TANF, & Medicaid	108,255	7,093	115,348	161,900	3,440	165,340	536,890	31,912	568,802
SNAP & TANF	1,486	0	1,486	3,209	0	3,209	6,770	0	6,770
SNAP & Medicaid	686,295	72,118	758,413	690,837	68,343	759,180	2,682,030	297,404	2,979,434
TANF & Medicaid	8,182	9,322	17,504	13,691	639	14,330	66,703	28,609	95,312
SNAP only	110,582	24,234	134,816	68,427	6,996	75,422	386,333	67,268	453,601
TANF only	0	0	0	0	0	0	0	0	0
Medicaid only	380,194	296,812	677,006	411,861	333,122	744,983	1,680,545	1,305,332	2,985,877

Source: 2012 CPS-ASEC

See notes at the end of this table.

**Table A.7b-2011: Estimates of the Average Monthly Number of Infants and Children Eligible for WIC by Income and Adjunctive Eligibility in the 2012 CPS-ASEC by Demographic Characteristics - CY 2011**  
Fully adjusted weights<sup>a</sup>

NOTE: This table does not include estimates for the territories.

Demographic Characteristics	WIC-Eligible Infants			WIC-Eligible Children Age 1			WIC-Eligible Children Age 2		
	Family income <185% FPG <sup>b</sup>	Adjunct- ively eligible <sup>c</sup>	Total	Family income <185% FPG <sup>b</sup>	Adjunct- ively eligible <sup>c</sup>	Total	Family income <185% FPG <sup>b</sup>	Adjunct- ively eligible <sup>c</sup>	Total
	Total	2,040,878	473,863	2,514,741	1,808,458	497,220	2,305,678	1,726,005	411,186
Gender									
Male	51.6	52.6	51.8	50.8	49.4	50.5	52.1	51.7	52.0
Female	48.4	47.4	48.2	49.2	50.6	49.5	47.9	48.3	48.0
Race									
White	65.3	74.1	66.9	66.1	62.1	65.2	66.1	63.8	65.7
Black	22.2	11.1	20.1	18.6	21.0	19.1	20.5	19.6	20.3
Other	12.5	14.8	12.9	15.3	16.8	15.7	13.4	16.6	14.0
Ethnicity									
Hispanic	34.4	33.7	34.3	34.7	26.6	33.0	40.1	23.8	36.9
Non-Hispanic	65.6	66.3	65.7	65.3	73.4	67.0	59.9	76.2	63.1
Living arrangement									
Two-parent family	59.4	65.2	60.5	57.0	68.4	59.5	52.6	64.2	54.8
Single-parent family	35.8	32.3	35.2	38.9	28.5	36.6	42.3	27.4	39.4
No-parent family	4.8	2.5	4.4	4.1	3.1	3.9	5.1	8.4	5.8
Related non-parent caretaker	2.6	2.5	2.6	2.2	3.1	2.4	3.5	8.4	4.5
Unrelated non-parent caretaker	2.2	0.0	1.8	1.9	0.0	1.5	1.6	0.0	1.3
Household size (number of persons)									
2	5.4	1.6	4.6	6.8	3.6	6.1	6.6	4.4	6.2
3	20.2	32.6	22.5	23.9	23.3	23.8	18.6	23.3	19.5
4	30.5	26.0	29.6	27.7	34.2	29.1	26.7	30.9	27.5
5	21.9	14.8	20.5	19.8	22.3	20.3	21.6	20.9	21.5
6 or more	22.1	25.1	22.7	21.8	16.5	20.6	26.4	20.5	25.3
% with working parent(s)	60.8	75.1	63.5	64.4	86.0	69.1	64.0	87.6	68.5
Annual family income relative to poverty <sup>b</sup>									
Less than 50% FPL	30.7	0.0	24.9	28.5	0.0	22.3	30.9	0.0	25.0
50% to <100% FPL	27.9	0.0	22.6	28.7	0.0	22.5	28.7	0.0	23.1
100% to <130% FPL	17.2	0.0	13.9	17.7	0.0	13.9	16.9	0.0	13.7
130% to <185% FPL <sup>d</sup>	23.8	5.3	20.3	24.7	4.7	20.4	23.1	6.2	19.8
185% to <200% FPL	0.4	11.0	2.4	0.4	14.5	3.4	0.3	11.1	2.4
200% to <250% FPL	0.1	34.4	6.6	0.0	30.2	6.5	0.1	29.3	5.7
250% FPL and above	0.0	49.3	9.3	0.0	50.7	10.9	0.0	53.5	10.3
Benefit receipt									
No benefit receipt	24.8	0.0	20.2	24.2	0.0	19.0	22.2	0.0	17.9
SNAP, TANF, & Medicaid	6.7	3.5	6.1	7.4	2.7	6.4	7.7	2.0	6.6
SNAP & TANF	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0
SNAP & Medicaid	37.2	14.6	33.0	35.0	17.6	31.2	39.0	16.9	34.7
TANF & Medicaid	1.1	4.6	1.7	0.8	3.2	1.3	1.8	0.6	1.6
SNAP only	6.2	3.1	5.6	7.4	4.9	6.9	4.3	2.9	4.0
TANF only	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Medicaid only	23.9	74.2	33.4	25.2	71.6	35.2	25.1	77.6	35.2

Source: 2012 CPS-ASEC

See notes at the end of this table.

**Table A.7b-2011: Estimates of the Average Monthly Number of Infants and Children Eligible for WIC by Income and Adjunctive Eligibility in the 2012 CPS-ASEC by Demographic Characteristics - CY 2011**  
Fully adjusted weights<sup>a</sup>

NOTE: This table does not include estimates for the territories.

Demographic Characteristics	WIC-Eligible Children Age 3			WIC-Eligible Children Age 4			WIC-Eligible Children Age 1 to 4		
	Family income <185% FPG <sup>b</sup>	Adjunct- ively eligible <sup>c</sup>	Total	Family income <185% FPG <sup>b</sup>	Adjunct- ively eligible <sup>c</sup>	Total	Family income <185% FPG <sup>b</sup>	Adjunct- ively eligible <sup>c</sup>	Total
	Total	1,750,900	409,580	2,160,480	1,794,874	412,539	2,207,413	7,080,237	1,730,525
Gender									
Male	52.9	51.0	52.5	52.8	50.7	52.4	52.2	50.6	51.9
Female	47.1	49.0	47.5	47.2	49.3	47.6	47.8	49.4	48.1
Race									
White	67.1	71.7	67.9	66.8	69.6	67.3	66.5	66.6	66.5
Black	22.0	13.9	20.4	20.9	15.4	19.9	20.5	17.7	19.9
Other	11.0	14.4	11.6	12.3	15.0	12.8	13.0	15.8	13.6
Ethnicity									
Hispanic	36.9	25.6	34.7	36.4	29.6	35.2	37.0	26.4	34.9
Non-Hispanic	63.1	74.4	65.3	63.6	70.4	64.8	63.0	73.6	65.1
Living arrangement									
Two-parent family	52.4	65.0	54.8	51.9	62.8	53.9	53.5	65.3	55.8
Single-parent family	42.5	31.3	40.4	43.7	32.9	41.7	41.8	30.0	39.5
No-parent family	5.1	3.7	4.9	4.4	4.3	4.4	4.7	4.8	4.7
Related non-parent caretaker	3.9	3.7	3.9	3.5	4.3	3.6	3.3	4.8	3.6
Unrelated non-parent caretaker	1.2	0.0	1.0	1.0	0.0	0.8	1.4	0.0	1.2
Household size (number of persons)									
2	5.2	3.4	4.8	5.0	3.2	4.6	5.9	3.7	5.5
3	18.7	18.9	18.7	17.0	19.1	17.4	19.6	21.3	19.9
4	27.1	34.8	28.6	28.8	39.7	30.8	27.6	34.9	29.0
5	22.1	17.3	21.2	24.1	19.8	23.3	21.9	20.2	21.6
6 or more	26.9	25.5	26.7	25.2	18.1	23.9	25.0	20.0	24.0
% with working parent(s)	67.2	87.0	71.0	67.2	89.7	71.4	65.7	87.5	70.0
Annual family income relative to poverty <sup>b</sup>									
Less than 50% FPL	28.7	0.0	23.2	27.0	0.0	21.9	28.7	0.0	23.1
50% to <100% FPL	28.8	0.0	23.4	29.9	0.0	24.3	29.0	0.0	23.3
100% to <130% FPL	16.5	0.0	13.4	17.3	0.0	14.1	17.1	0.0	13.8
130% to <185% FPL <sup>d</sup>	25.1	3.8	21.0	25.4	3.8	21.3	24.6	4.6	20.7
185% to <200% FPL	0.9	14.5	3.4	0.4	15.0	3.1	0.5	13.8	3.1
200% to <250% FPL	0.0	32.6	6.2	0.0	34.5	6.5	0.0	31.6	6.2
250% FPL and above	0.0	49.2	9.3	0.0	46.7	8.7	0.0	50.0	9.8
Benefit receipt									
No benefit receipt	26.0	0.0	21.1	24.8	0.0	20.2	24.3	0.0	19.5
SNAP, TANF, & Medicaid	6.2	1.7	5.3	9.0	0.8	7.5	7.6	1.8	6.5
SNAP & TANF	0.1	0.0	0.1	0.2	0.0	0.1	0.1	0.0	0.1
SNAP & Medicaid	39.2	17.6	35.1	38.5	16.6	34.4	37.9	17.2	33.8
TANF & Medicaid	0.5	2.3	0.8	0.8	0.2	0.6	0.9	1.7	1.1
SNAP only	6.3	5.9	6.2	3.8	1.7	3.4	5.5	3.9	5.1
TANF only	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Medicaid only	21.7	72.5	31.3	22.9	80.7	33.7	23.7	75.4	33.9

Source: 2012 CPS-ASEC

See notes at the end of this table.

Notes for Table A.7b-2011:  
FPG - Federal Poverty Guidelines  
FPL - Federal Poverty Level

<sup>a</sup> These estimates are tabulated from the fully adjusted person weights on the 2012 CPS-ASEC. They are adjusted to account for the under or over count of infants and children in the CPS relative to Census estimates, monthly income, and nutritional risk. See Tables A.3a and A.3b for the adjustment factors.

<sup>b</sup> This table uses both the Federal Poverty Guidelines (FPG) and the Federal Poverty Thresholds or "Levels" (FPL). The thresholds are used to calculate the ratio of annual family income to the poverty threshold for their family size. The guidelines are used in determining WIC eligibility. The Federal Poverty Thresholds are updated by the Census Bureau each year and are used mainly to produce official poverty population estimates. The Federal Poverty Guidelines are issued by the Department of Health and Human Services (HHS) and are a simplification of the poverty thresholds for use in determining financial eligibility for certain federal programs, including WIC.

<sup>c</sup> Infants and children adjunctively eligible are those whose family income was not below 185% FPG but who reported receipt of SNAP, Medicaid, or TANF. Therefore, the two categories are mutually exclusive.

<sup>d</sup> There are infants and children adjunctively eligible for WIC with annual family incomes above 185 percent of the Federal Poverty Guidelines (FPG) who have annual family incomes below 185% of the Federal Poverty Level (FPL). For example, in Jan 2009 a family of five with three children and an annual family income of \$45,125 has an income to FPL ratio of 1.734, but an income to FPG ratio of 1.750 (FPL for a family of 5 = \$26,023; FPG for a family of 5 = \$25,790).

**Table A.8-2011: Estimates of the Average Monthly Number of Individuals Eligible  
for WIC by Participant Group:  
A Comparison of the Change from Calendar Year 2010 to 2011**

*NOTE: This table includes estimates for the territories.*

Participant Group	Total		Percent Change	Total Eligibles		Percent Change	Eligibility Rate		Percent Change	Coverage Rate		Percent Change
	2011	2010		2011	2010		2011	2010		2011	2010	
Infants	4,012,975	3,971,131	1.1%	2,516,309	2,535,074	-0.7%	62.7	63.8	-1.8%	83.4	84.8	-1.7%
Total Children Ages 1-4	16,365,464	16,587,060	-1.3%	8,888,005	9,224,455	-3.6%	54.3	55.6	-2.3%	53.6	52.4	2.1%
Children Age 1	4,120,473	3,996,618	3.1%	2,325,258	2,210,315	5.2%	56.4	55.3	2.0%			
Children Age 2	4,005,439	4,127,247	-3.0%	2,154,671	2,341,191	-8.0%	53.8	56.7	-5.2%			
Children Age 3	4,046,978	4,266,132	-5.1%	2,180,779	2,402,957	-9.2%*	53.9	56.3	-4.3%			
Children Age 4	4,192,574	4,197,062	-0.1%	2,227,296	2,269,991	-1.9%	53.1	54.1	-1.8%			
Pregnant Women				1,294,668	1,304,322	-0.7%				69.5	70.8	-1.8%
Postpartum Breastfeeding Women				811,356	664,619	22.1%*				71.1	85.1	-16.5%
Postpartum Non-Breastfeeding Women				767,116	821,646	-6.6%				81.2	76.9	5.5%
<b>Total WIC Eligibles</b>				<b>14,277,453</b>	<b>14,550,116</b>	<b>-1.9%</b>				<b>62.7</b>	<b>62.6</b>	<b>0.2%</b>

Source: March 2012 and March 2011 CPS; 2004 and 2008 SIPP panels; 2001-2002, 2003-2004, 2005-2006 NHANES

\*Significant at the 90 percent level of confidence. Changes in eligibility that are not marked as significant could be due solely to sampling variability in the survey.

**Table A.9-2011: Stepwise Comparison of the Change in Average Monthly Number of Infants and Children Eligible for WIC, from Calendar Year 2010 to 2011 as estimated by the March CPS**

*NOTE: This table does not include estimates for the territories.*

	2011			2010			Percent Change <sup>a</sup>		
	Infants	Children Age 1 to 4	Total	Infants	Children Age 1 to 4	Total	Infants	Children Age 1 to 4	Total
Total number of infants/children in the March CPS	3,903,110	16,206,657	20,109,767	4,104,900	17,159,847	21,264,747	-4.9%	-5.6%	-5.4%
Number (non-U.S. Territory) after adjustment for CPS under/overcount	3,965,001	16,164,917	20,129,919	3,919,981	16,380,022	20,300,003	1.1%	-1.3%	-0.8%
Number with annual income <185% FPG	1,783,049	7,080,945	8,863,994	1,766,750	7,365,978	9,132,728	0.9%	-3.9%	-2.9%
Number with adjunctive eligibility	413,998	1,730,698	2,144,696	405,278	1,692,609	2,097,887	2.2%	2.3%	2.2%
Through SNAP	87,844	396,624	484,468	116,872	418,960	535,832	-24.8%	-5.3%	-9.6%
Through TANF	18,899	28,611	47,510	2,512	15,802	18,314	652.4%	81.1%	159.4%
Through Medicaid	307,255	1,305,463	1,612,718	285,894	1,257,847	1,543,741	7.5%	3.8%	4.5%
Number before monthly income adjustment	2,197,047	8,811,643	11,008,690	2,172,028	9,058,587	11,230,615	1.2%	-2.7%	-2.0%
Number after monthly income adjustment	2,548,575	8,811,643	11,360,218	2,562,993	9,149,173	11,712,166	-0.6%	-3.7%	-3.0%
<b>Total Eligibles - Number after adjustment for nutritional risk (infants and children)</b>	2,472,118	8,723,527	11,195,644	2,486,103	9,057,681	11,543,784	-0.6%	-3.7%	-3.0%

Source: March 2012 CPS and March 2011 CPS

See footnotes on Table A.6 for adjustment factor calculations for 2011.

<sup>a</sup> When interpreting percent changes keep in mind that groups with small populations can show large changes simply as a result of year-to-year sample variation.

**Table A.10-2011: Standard Error and Coefficient of Variation for National Estimates from the 2012 CPS-ASEC by Participant Group**

*NOTE: This table does not include estimates for the territories*

Participant Group	2011					
	Estimate		Standard Error		Coefficient of	
	Total	Eligibles	Total	Eligibles	Total	Eligibles
Infants	3,965,001	2,472,118	69,812	113,815	1.8%	4.6%
Total Children Age 1 to 4	16,164,917	8,723,527	137,417	211,622	0.9%	2.4%
Children Age 1	4,070,187	2,282,849	70,717	109,405	1.7%	4.8%
Children Age 2	3,955,794	2,116,032	69,732	105,360	1.8%	5.0%
Children Age 3	3,997,263	2,139,089	70,091	105,929	1.8%	5.0%
Children Age 4	4,141,673	2,185,557	71,324	107,065	1.7%	4.9%
Pregnant Women	2,962,153	1,271,931	52,155	58,559	1.8%	4.6%
Postpartum Breastfeeding Women	2,085,356	797,106	36,717	36,698	1.8%	4.6%
Postpartum Non-Breastfeeding Women	1,864,182	753,644	32,823	34,697	1.8%	4.6%
<b>Total</b>	<b>27,041,610</b>	<b>14,018,325</b>	<b>173,547</b>	<b>265,902</b>	<b>0.6%</b>	<b>1.9%</b>

Source: 2012 CPS-ASEC

## **Appendix B**

### **State and Regional Estimates: 2011**

The tables in this appendix show the estimates of total WIC-eligible individuals by State and by participant group and region for calendar year 2011 as summarized in Volume I of this report. Note that these estimates refer to the FNS regions as defined on page B-3. The estimates rely on the American Community Survey (ACS) that allows calculation of income and adjunctive eligibility by State. Note that adjunctive eligibility reflects individuals that report receipt of SNAP, TANF, or public health coverage on the ACS but are not already income-eligible for WIC. The ACS does not separately identify Medicaid vs. the State's Children's Health Insurance Program (CHIP).

#### **State and Regional Estimates Appendix Table Definitions**

##### *Table B.1: WIC Eligibles and Coverage Rates by State and FNS Region*

This table shows the estimated total number of WIC-eligible individuals by State (alphabetical) and FNS region. Also shown is the total number of participants and calculated coverage rates by State and FNS region. Totals and coverage rates by FNS region include the territories.

##### *Table B.2: WIC Eligibles and Coverage Rates by FNS Region and State*

This table shows the estimated total number of WIC-eligible individuals by FNS region with each State listed under its region. Also shown is the total number of participants and calculated coverage rates by FNS region and State. Totals and coverage rates by FNS region include the territories.

##### *Table B.3: WIC Eligibles and Coverage Rates by FNS Region and Participant Group*

This table shows the estimated number of WIC-eligible individuals by FNS region and participant group. Also shown is the total number of participants and calculated coverage rates by FNS region and participant group. Totals and coverage rates by FNS region and participant group include the territories.

##### *Table B.4: WIC Eligibles Standard Errors by State and FNS Region*

This table shows the estimated total number of WIC-eligible individuals and the associated standard errors and coefficients of variance by State (listed alphabetically) and FNS region.

*Table B.5: WIC Eligibles Standard Errors by FNS Region and State*

This table shows the estimated total number of WIC-eligible individuals and the associated standard errors and coefficients of variance by FNS region with each State listed under its region.

*Table B.6: WIC Eligibles Standard Errors by FNS Region and Participant Group*

This table shows the estimated number of WIC-eligible individuals and the associated standard errors and coefficients of variance by FNS region and participant group.

*Table B.7: State-Specific Breastfeeding Adjustment Factors*

This table shows the State-specific breastfeeding adjustment factors. These factors were determined using the same methodology used to produce the national breastfeeding adjustments but substitute the State-specific breastfeeding rates as reported by the Abbott Laboratories' Infant Feeding Survey (IFS). Estimates for the territories assumed the national breastfeeding rates.

*Table B.8: Adjustments for Calculating the Average Monthly Number of Individuals Eligible for WIC in Puerto Rico and the Other Island Territories by Participant Group*

Analogous to Table A.6 of the national estimates, this table shows the step-by-step adjustments made from the total number of infants and children to the final numbers of infants, children, and pregnant and postpartum women that are fully eligible for WIC for the territories based on the ACS data and population estimates from the Census Bureau.

*Table B.9: FNS Region Estimates of the Average Monthly Number of Infants and Children Eligible for WIC in the CPS-ASEC by Demographic Characteristics*

This tables shows the estimates of total WIC-eligible infants and children by demographic and income characteristics in the CPS-ASEC. Note that these tables do not include infants and children from the territories. This table shows these characteristics using weights that have been fully adjusted, including adjustments for the under/over count in the CPS (population adjustment), monthly income and certification periods (annual-to-monthly adjustment), and nutritional risk. The numbers are shown as a single total count and the column percentages of eligible individuals by their demographic and income characteristics.

## FNS Regions

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### Northeast

- Connecticut
- Maine
- Massachusetts
- New Hampshire
- New York
- Rhode Island
- Vermont

### Mid-Atlantic

- Delaware
- District of Columbia
- Maryland
- New Jersey
- Pennsylvania
- Puerto Rico
- Virgin Islands
- Virginia
- West Virginia

### Southeast

- Alabama
- Florida
- Georgia
- Kentucky
- Mississippi
- North Carolina
- South Carolina
- Tennessee

### Midwest

- Illinois
- Indiana
- Michigan
- Minnesota
- Ohio
- Wisconsin

### Southwest

- Arkansas
- Louisiana
- New Mexico
- Oklahoma
- Texas

### Mountain Plains

- Colorado
- Iowa
- Kansas
- Missouri
- Montana
- Nebraska
- North Dakota
- South Dakota
- Utah
- Wyoming

### Western

- Alaska
- American Samoa
- Arizona
- California
- Guam
- Hawaii
- Idaho
- Nevada
- Northern Mariana Islands
- Oregon
- Washington

**Table B.1-2011: WIC Eligibles and Coverage Rates by State and FNS Region, CY 2011**

	Eligibles	Participants	Coverage Rate		Eligibles	Participants	Coverage Rate
<b>State<sup>a</sup></b>							
Alabama	234,929	143,562	61.1%	New York	783,538	512,659	65.4%
Alaska	40,939	26,244	64.1%	North Carolina	478,477	267,198	55.8%
Arizona	332,799	198,472	59.6%	North Dakota	27,251	14,026	51.5%
Arkansas	157,458	93,559	59.4%	Ohio	479,586	278,781	58.1%
California	1,799,515	1,469,758	81.7%	Oklahoma	200,181	126,007	62.9%
Colorado	208,414	104,782	50.3%	Oregon	175,055	111,764	63.8%
Connecticut	109,316	56,036	51.3%	Pennsylvania	449,881	256,620	57.0%
Delaware	35,582	22,529	63.3%	Puerto Rico	232,447	195,317	84.0%
D.C.	24,504	16,459	67.2%	Rhode Island	37,597	24,413	64.9%
Florida	822,148	493,613	60.0%	South Carolina	237,888	130,640	54.9%
Georgia	524,132	306,249	58.4%	South Dakota	34,159	22,556	66.0%
Hawaii	51,999	36,797	70.8%	Tennessee	301,084	161,539	53.7%
Idaho	90,105	43,705	48.5%	Texas	1,542,052	988,807	64.1%
Illinois	574,785	294,732	51.3%	Utah	150,567	72,715	48.3%
Indiana	301,118	167,013	55.5%	Vermont	18,117	15,782	87.1%
Iowa	121,220	70,605	58.2%	Virginia	264,798	156,670	59.2%
Kansas	135,379	75,246	55.6%	Washington	295,601	193,727	65.5%
Kentucky	210,544	141,180	67.1%	West Virginia	72,773	49,000	67.3%
Louisiana	250,221	148,925	59.5%	Wisconsin	231,633	120,856	52.2%
Maine	46,292	26,259	56.7%	Wyoming	24,501	12,913	52.7%
Maryland	206,636	147,387	71.3%				
Massachusetts	199,196	120,203	60.3%	<b>FNS Region<sup>b</sup></b>			
Michigan	415,640	253,859	61.1%	Northeast	1,224,880	772,115	63.0%
Minnesota	187,751	130,545	69.5%	Mid-Atlantic	1,573,385	1,018,278	64.7%
Mississippi	174,855	97,056	55.5%	Southeast	2,984,057	1,741,037	58.3%
Missouri	255,843	145,588	56.9%	Midwest	2,190,513	1,245,786	56.9%
Montana	46,325	20,310	43.8%	Southwest	2,277,919	1,422,009	62.4%
Nebraska	80,701	43,442	53.8%	Mountain Plains	1,084,360	582,183	53.7%
Nevada	134,975	76,182	56.4%	Western	2,942,339	2,175,451	73.9%
New Hampshire	30,823	16,763	54.4%				
New Jersey	281,433	169,075	60.1%	<b>Total</b>	<b>14,277,453</b>	<b>8,956,859</b>	<b>62.7%</b>
New Mexico	128,007	64,711	50.6%				

Source: 2012 CPS-ASEC, 2011 ACS, 2011 PRCS, Census International Data Base, WIC Administrative Data

Notes:

<sup>a</sup> State and regional eligibility estimates and participant data include those eligible for WIC and/or receiving WIC via Indian Tribal Organizations.

<sup>b</sup> Estimates for the other island territories (territories other than Puerto Rico) are included in regional totals but not shown separately due to small sample constraints.

**Table B.2-2011: WIC Eligibles and Coverage Rates by FNS Region and State, CY 2011<sup>a,b</sup>**

	Eligibles	Participants	Coverage Rate		Eligibles	Participants	Coverage Rate
<b>Northeast</b>	<b>1,224,880</b>	<b>772,115</b>	<b>63.0%</b>	<b>Southwest</b>	<b>2,277,919</b>	<b>1,422,009</b>	<b>62.4%</b>
Connecticut	109,316	56,036	51.3%	Arkansas	157,458	93,559	59.4%
Maine	46,292	26,259	56.7%	Louisiana	250,221	148,925	59.5%
Massachusetts	199,196	120,203	60.3%	New Mexico	128,007	64,711	50.6%
New Hampshire	30,823	16,763	54.4%	Oklahoma	200,181	126,007	62.9%
New York	783,538	512,659	65.4%	Texas	1,542,052	988,807	64.1%
Rhode Island	37,597	24,413	64.9%				
Vermont	18,117	15,782	87.1%	<b>Mountain Plains</b>	<b>1,084,360</b>	<b>582,183</b>	<b>53.7%</b>
				Colorado	208,414	104,782	50.3%
<b>Mid-Atlantic</b>	<b>1,573,385</b>	<b>1,018,278</b>	<b>64.7%</b>	Iowa	121,220	70,605	58.2%
Delaware	35,582	22,529	63.3%	Kansas	135,379	75,246	55.6%
D.C.	24,504	16,459	67.2%	Missouri	255,843	145,588	56.9%
Maryland	206,636	147,387	71.3%	Montana	46,325	20,310	43.8%
New Jersey	281,433	169,075	60.1%	Nebraska	80,701	43,442	53.8%
Pennsylvania	449,881	256,620	57.0%	North Dakota	27,251	14,026	51.5%
Puerto Rico	232,447	195,317	84.0%	South Dakota	34,159	22,556	66.0%
Virginia	264,798	156,670	59.2%	Utah	150,567	72,715	48.3%
West Virginia	72,773	49,000	67.3%	Wyoming	24,501	12,913	52.7%
<b>Southeast</b>	<b>2,984,057</b>	<b>1,741,037</b>	<b>58.3%</b>	<b>Western</b>	<b>2,942,339</b>	<b>2,175,451</b>	<b>73.9%</b>
Alabama	234,929	143,562	61.1%	Alaska	40,939	26,244	64.1%
Florida	822,148	493,613	60.0%	Arizona	332,799	198,472	59.6%
Georgia	524,132	306,249	58.4%	California	1,799,515	1,469,758	81.7%
Kentucky	210,544	141,180	67.1%	Hawaii	51,999	36,797	70.8%
Mississippi	174,855	97,056	55.5%	Idaho	90,105	43,705	48.5%
North Carolina	478,477	267,198	55.8%	Nevada	134,975	76,182	56.4%
South Carolina	237,888	130,640	54.9%	Oregon	175,055	111,764	63.8%
Tennessee	301,084	161,539	53.7%	Washington	295,601	193,727	65.5%
<b>Midwest</b>	<b>2,190,513</b>	<b>1,245,786</b>	<b>56.9%</b>	<b>Total</b>	<b>14,277,453</b>	<b>8,956,859</b>	<b>62.7%</b>
Illinois	574,785	294,732	51.3%				
Indiana	301,118	167,013	55.5%				
Michigan	415,640	253,859	61.1%				
Minnesota	187,751	130,545	69.5%				
Ohio	479,586	278,781	58.1%				
Wisconsin	231,633	120,856	52.2%				

Source: 2012 CPS-ASEC, 2011 ACS, 2011 PRCS, Census International Data Base, WIC Administrative Data

Notes:

<sup>a</sup> State and regional eligibility estimates and participant data include those eligible for WIC and/or receiving WIC via Indian Tribal Organizations.

<sup>b</sup> Estimates for the other island territories (territories other than Puerto Rico) are included in regional totals but not shown separately due to small sample constraints.

**Table B.3-2011: WIC Eligibles and Coverage Rates by Region and Participant Group, CY 2011**

	<b>Infants</b>	<b>Children (1-4)</b>	<b>Pregnant Women</b>	<b>All Post-Partum Women</b>	<b>Total</b>
<b>Eligibles</b>					
Northeast	220,734	745,478	113,570	145,098	1,224,880
Mid-Atlantic	275,015	988,832	141,498	168,040	1,573,385
Southeast	523,653	1,876,799	269,425	314,180	2,984,057
Midwest	388,857	1,366,019	200,071	235,566	2,190,513
Southwest	416,382	1,398,047	214,233	249,257	2,277,919
Mountain Plains	185,360	685,266	95,370	118,365	1,084,360
Western	506,308	1,827,564	260,501	347,965	2,942,339
<b>Total</b>	<b>2,516,309</b>	<b>8,888,005</b>	<b>1,294,668</b>	<b>1,578,471</b>	<b>14,277,453</b>
<b>Participants</b>					
Northeast	180,829	407,834	75,977	107,478	772,118
Mid-Atlantic	238,705	548,062	98,657	132,857	1,018,281
Southeast	435,887	891,171	182,103	231,882	1,741,043
Midwest	309,529	650,643	131,298	154,318	1,245,788
Southwest	341,358	726,522	148,611	205,519	1,422,010
Mountain Plains	141,007	304,615	57,336	79,224	582,182
Western	450,643	1,230,785	205,704	288,324	2,175,456
<b>Total</b>	<b>2,097,958</b>	<b>4,759,632</b>	<b>899,686</b>	<b>1,199,602</b>	<b>8,956,878</b>
<b>Coverage Rates</b>					
Northeast	81.9%	54.7%	66.9%	74.1%	63.0%
Mid-Atlantic	86.8%	55.4%	69.7%	79.1%	64.7%
Southeast	83.2%	47.5%	67.6%	73.8%	58.3%
Midwest	79.6%	47.6%	65.6%	65.5%	56.9%
Southwest	82.0%	52.0%	69.4%	82.5%	62.4%
Mountain Plains	76.1%	44.5%	60.1%	66.9%	53.7%
Western	89.0%	67.3%	79.0%	82.9%	73.9%
<b>Total</b>	<b>83.4%</b>	<b>53.6%</b>	<b>69.5%</b>	<b>76.0%</b>	<b>62.7%</b>

Source: 2012 CPS-ASEC, 2011 ACS, 2011 PRCS, Census International Data Base, WIC Administrative Data

**Table B.4-2011: WIC Eligibles Standard Errors by State and FNS Region, CY 2011**

	Eligibles	Standard Error	Coefficient of Variation		Eligibles	Standard Error	Coefficient of Variation
<b>State<sup>a</sup></b>							
Alabama	234,929	12,894	5.5%	New York	783,538	25,713	3.3%
Alaska	40,939	5,157	12.6%	North Carolina	478,477	19,196	4.0%
Arizona	332,799	15,556	4.7%	North Dakota	27,251	4,145	15.2%
Arkansas	157,458	10,400	6.6%	Ohio	479,586	19,223	4.0%
California	1,799,515	45,231	2.5%	Oklahoma	200,181	11,768	5.9%
Colorado	208,414	12,055	5.8%	Oregon	175,055	10,936	6.2%
Connecticut	109,316	8,513	7.8%	Pennsylvania	449,881	18,536	4.1%
Delaware	35,582	4,785	13.4%	Puerto Rico	232,447	12,767	5.5%
D.C.	24,504	3,965	16.2%	Rhode Island	37,597	4,922	13.1%
Florida	822,148	26,661	3.2%	South Carolina	237,888	12,941	5.4%
Georgia	524,132	20,319	3.9%	South Dakota	34,159	4,689	13.7%
Hawaii	51,999	5,821	11.2%	Tennessee	301,084	14,813	4.9%
Idaho	90,105	7,698	8.5%	Texas	1,542,052	40,438	2.6%
Illinois	574,785	21,412	3.7%	Utah	150,567	10,133	6.7%
Indiana	301,118	14,710	4.9%	Vermont	18,117	3,526	19.5%
Iowa	121,220	9,072	7.5%	Virginia	264,798	13,662	5.2%
Kansas	135,379	9,595	7.1%	Washington	295,601	14,590	4.9%
Kentucky	210,544	12,093	5.7%	West Virginia	72,773	6,968	9.6%
Louisiana	250,221	13,299	5.3%	Wisconsin	231,633	12,738	5.5%
Maine	46,292	5,492	11.9%	Wyoming	24,501	3,965	16.2%
Maryland	206,636	11,947	5.8%				
Massachusetts	199,196	11,702	5.9%	<b>FNS Region<sup>b</sup></b>			
Michigan	415,640	17,692	4.3%	Northeast	1,224,880	38,347	3.1%
Minnesota	187,751	11,354	6.0%	Mid-Atlantic	1,335,608	40,594	3.0%
Mississippi	174,855	10,979	6.3%	Southeast	2,984,057	71,829	2.4%
Missouri	255,843	13,462	5.3%	Midwest	2,190,513	57,142	2.6%
Montana	46,325	5,471	11.8%	Southwest	2,277,919	58,782	2.6%
Nebraska	80,701	7,325	9.1%	Mountain Plains	1,084,360	35,441	3.3%
Nevada	134,975	9,510	7.0%	Western	2,920,988	70,676	2.4%
New Hampshire	30,823	4,499	14.6%				
New Jersey	281,433	14,244	5.1%	<b>Total</b>	<b>14,018,325</b>	<b>265,902</b>	<b>1.9%</b>
New Mexico	128,007	9,263	7.2%				

Source: 2012 CPS-ASEC, 2011 ACS, 2011 PRCS, Census International Data Base, WIC Administrative Data

Notes:

<sup>a</sup> State and regional eligibility estimates include those eligible for WIC via Indian Tribal Organizations.

<sup>b</sup> Estimates for the territories, including Puerto Rico, are not included in regional totals or standard errors.

**Table B.5-2011: WIC Eligibles Standard Errors by FNS Region and State, CY 2011<sup>a,b</sup>**

	Eligibles	Standard Error	Coefficient of Variation <sup>c</sup>		Eligibles	Standard Error	Coefficient of Variation <sup>c</sup>
<b>Northeast</b>	<b>1,224,880</b>	<b>38,347</b>	<b>3.1%</b>	<b>Southwest</b>	<b>2,277,919</b>	<b>58,782</b>	<b>2.6%</b>
Connecticut	109,316	8,513	7.8%	Arkansas	157,458	10,400	6.6%
Maine	46,292	5,492	11.9%	Louisiana	250,221	13,299	5.3%
Massachusetts	199,196	11,702	5.9%	New Mexico	128,007	9,263	7.2%
New Hampshire	30,823	4,499	14.6%	Oklahoma	200,181	11,768	5.9%
New York	783,538	25,713	3.3%	Texas	1,542,052	40,438	2.6%
Rhode Island	37,597	4,922	13.1%				
Vermont	18,117	3,526	19.5%	<b>Mountain Plains</b>	<b>1,084,360</b>	<b>35,441</b>	<b>3.3%</b>
				Colorado	208,414	12,055	5.8%
<b>Mid-Atlantic</b>	<b>1,335,608</b>	<b>40,594</b>	<b>3.0%</b>	Iowa	121,220	9,072	7.5%
Delaware	35,582	4,785	13.4%	Kansas	135,379	9,595	7.1%
D.C.	24,504	3,965	16.2%	Missouri	255,843	13,462	5.3%
Maryland	206,636	11,947	5.8%	Montana	46,325	5,471	11.8%
New Jersey	281,433	14,244	5.1%	Nebraska	80,701	7,325	9.1%
Pennsylvania	449,881	18,536	4.1%	North Dakota	27,251	4,145	15.2%
Virginia	264,798	13,662	5.2%	South Dakota	34,159	4,689	13.7%
West Virginia	72,773	6,968	9.6%	Utah	150,567	10,133	6.7%
				Wyoming	24,501	3,965	16.2%
<b>Southeast</b>	<b>2,984,057</b>	<b>71,829</b>	<b>2.4%</b>	<b>Western</b>	<b>2,920,988</b>	<b>70,676</b>	<b>2.4%</b>
Alabama	234,929	12,894	5.5%	Alaska	40,939	5,157	12.6%
Florida	822,148	26,661	3.2%	Arizona	332,799	15,556	4.7%
Georgia	524,132	20,319	3.9%	California	1,799,515	45,231	2.5%
Kentucky	210,544	12,093	5.7%	Hawaii	51,999	5,821	11.2%
Mississippi	174,855	10,979	6.3%	Idaho	90,105	7,698	8.5%
North Carolina	478,477	19,196	4.0%	Nevada	134,975	9,510	7.0%
South Carolina	237,888	12,941	5.4%	Oregon	175,055	10,936	6.2%
Tennessee	301,084	14,813	4.9%	Washington	295,601	14,590	4.9%
<b>Midwest</b>	<b>2,190,513</b>	<b>57,142</b>	<b>2.6%</b>	<b>Total</b>	<b>14,018,325</b>	<b>265,902</b>	<b>1.9%</b>
Illinois	574,785	21,412	3.7%				
Indiana	301,118	14,710	4.9%				
Michigan	415,640	17,692	4.3%				
Minnesota	187,751	11,354	6.0%				
Ohio	479,586	19,223	4.0%				
Wisconsin	231,633	12,738	5.5%				

Source: 2012 CPS-ASEC, 2011 ACS, 2011 PRCS, Census International Data Base, WIC Administrative Data

Notes:

<sup>a</sup> State and regional eligibility estimates include those eligible for WIC via Indian Tribal Organizations.

<sup>b</sup> Estimates for the territories, including Puerto Rico, are not included in regional totals or standard errors.

<sup>c</sup> The coefficient of variation is defined as the ratio of the standard deviation to the eligibility estimate.

**Table B.6-2011: WIC Eligibles Standard Errors by FNS Region and Participant Group, CY 2011**

	<b>Infants</b>	<b>Children (1-4)</b>	<b>Pregnant Women</b>	<b>All Post-Partum Women</b>	<b>Total</b>
<b>Eligibles<sup>a</sup></b>					
Northeast	220,734	745,478	113,570	145,098	1,224,880
Mid-Atlantic	234,706	837,389	120,759	142,754	1,335,608
Southeast	523,653	1,876,799	269,425	314,180	2,984,057
Midwest	388,857	1,366,019	200,071	235,566	2,190,513
Southwest	416,382	1,398,047	214,233	249,257	2,277,919
Mountain Plains	185,360	685,266	95,370	118,365	1,084,360
Western	502,426	1,814,529	258,503	345,530	2,920,988
<b>Total</b>	<b>2,472,118</b>	<b>8,723,527</b>	<b>1,271,931</b>	<b>1,550,750</b>	<b>14,018,325</b>
<b>Standard Error<sup>a</sup></b>					
Northeast	16,929	29,501	8,710	8,131	38,347
Mid-Atlantic	17,621	31,873	9,066	7,980	40,594
Southeast	30,946	56,980	15,922	13,547	71,829
Midwest	24,887	44,902	12,805	10,808	57,142
Southwest	26,139	45,670	13,449	11,506	58,782
Mountain Plains	15,139	27,920	7,789	6,898	35,441
Western	30,002	55,523	15,437	14,608	70,676
<b>Total</b>	<b>113,815</b>	<b>211,622</b>	<b>58,559</b>	<b>50,504</b>	<b>265,902</b>
<b>Coefficient of Variation<sup>b</sup></b>					
Northeast	7.7%	4.0%	7.7%	5.6%	3.1%
Mid-Atlantic	7.5%	3.8%	7.5%	5.6%	3.0%
Southeast	5.9%	3.0%	5.9%	4.3%	2.4%
Midwest	6.4%	3.3%	6.4%	4.6%	2.6%
Southwest	6.3%	3.3%	6.3%	4.6%	2.6%
Mountain Plains	8.2%	4.1%	8.2%	5.8%	3.3%
Western	6.0%	3.1%	6.0%	4.2%	2.4%
<b>Total</b>	<b>4.6%</b>	<b>2.4%</b>	<b>4.6%</b>	<b>3.3%</b>	<b>1.9%</b>

Source: 2012 CPS-ASEC, 2011 ACS, 2011 PRCS, Census International Data Base, WIC Administrative Data

Notes:

<sup>a</sup> Estimates for the territories, including Puerto Rico, are not included in regional totals or standard errors.

<sup>b</sup> The coefficient of variation is defined as the ratio of the standard deviation to the eligibility estimate.

**Table B.7-2011: State-Specific Breastfeeding Adjustment Factors  
CY 2011**

State	All Mothers		WIC Participants	
	Breastfeeding	Not Breastfeeding <6 months postpartum	Breastfeeding	Not Breastfeeding <6 months postpartum
Alabama	0.377	0.620	0.189	0.360
Alaska	0.686	0.310	0.393	0.234
Arizona	0.596	0.400	0.451	0.279
Arkansas	0.476	0.520	0.270	0.332
California	0.619	0.377	0.431	0.262
Colorado	0.626	0.370	0.353	0.251
Connecticut	0.588	0.408	0.349	0.297
Delaware	0.478	0.518	0.340	0.367
D.C.	0.527	0.469	0.245	0.301
Florida	0.506	0.491	0.331	0.307
Georgia	0.450	0.546	0.236	0.341
Hawaii	0.639	0.358	0.454	0.240
Idaho	0.647	0.349	0.455	0.248
Illinois	0.509	0.487	0.299	0.312
Indiana	0.510	0.487	0.312	0.293
Iowa	0.525	0.471	0.310	0.293
Kansas	0.635	0.362	0.506	0.283
Kentucky	0.380	0.617	0.197	0.370
Louisiana	0.375	0.622	0.248	0.359
Maine	0.583	0.413	0.373	0.273
Maryland	0.519	0.477	0.298	0.322
Massachusetts	0.593	0.403	0.351	0.306
Michigan	0.525	0.471	0.310	0.307
Minnesota	0.594	0.402	0.360	0.270
Mississippi	0.325	0.671	0.215	0.382
Missouri	0.485	0.511	0.278	0.306
Montana	0.723	0.273	0.444	0.228
Nebraska	0.591	0.405	0.311	0.282
Nevada	0.483	0.513	0.251	0.290
New Hampshire	0.640	0.356	0.424	0.281
New Jersey	0.480	0.516	0.277	0.327
New Mexico	0.611	0.385	0.401	0.274
New York	0.508	0.489	0.353	0.313
North Carolina	0.501	0.496	0.284	0.331
North Dakota	0.599	0.397	0.562	0.243
Ohio	0.441	0.555	0.253	0.326
Oklahoma	0.426	0.570	0.243	0.309
Oregon	0.715	0.281	0.467	0.233
Pennsylvania	0.515	0.481	0.305	0.316
Rhode Island	0.453	0.543	0.247	0.290
South Carolina	0.411	0.585	0.229	0.369
South Dakota	0.601	0.395	0.345	0.255
Tennessee	0.429	0.567	0.239	0.342
Texas	0.472	0.524	0.282	0.315
Utah	0.708	0.288	0.424	0.258
Vermont	0.630	0.366	0.260	0.238
Virginia	0.532	0.464	0.246	0.337
Washington	0.650	0.346	0.428	0.247
West Virginia	0.418	0.578	0.240	0.343
Wisconsin	0.555	0.441	0.327	0.285
Wyoming	0.595	0.401	0.359	0.240
<b>U.S.</b>	<b>0.526</b>	<b>0.470</b>	<b>0.322</b>	<b>0.305</b>

Source: Calculated factor based on the Infant Feeding Survey, Abbott Nutrition, Abbott Laboratories, as published in "2011 Breastfeeding Trends"

**Table B.8-2011: Adjustments for Calculating the Average Monthly Number of Individuals Eligible for WIC in Puerto Rico and the Other Island Territories by Participant Group, CY 2011**

<b>Puerto Rico</b>	<b>Infants</b>	<b>Children Age 1</b>	<b>Children Age 2</b>	<b>Children Age 3</b>	<b>Children Age 4</b>	<b>Total Children Ages 1-4</b>	<b>Pregnant Women</b>	<b>Postpartum Breastfeeding Women</b>	<b>Postpartum Non-Breastfeeding Women</b>	<b>Total</b>
Total number of infants/children in the 2011 PRCS	36,690	43,843	45,047	46,217	44,992	180,099				216,789
Number after adjustment for PRCS under/overcount	41,656	43,990	43,377	43,481	44,723	175,571				217,227
Number with annual income <185% FPG	33,580	36,692	32,899	36,514	35,897	142,002				175,583
Number of additional people adjunctively eligible above 185% FPG	1,452	1,956	1,959	1,447	2,152	7,513				8,965
Through SNAP <sup>a</sup>	1,206	1,168	654	737	1,466	4,025				5,230
Through TANF	0	0	0	46	75	121				121
Through Medicaid	246	788	1,305	664	611	3,368				3,614
Total number income and adjunctively eligible	35,032	38,647	34,858	37,961	38,049	149,516				184,548
Number after monthly income adjustment <sup>b</sup>	40,638	38,647	34,858	37,961	38,049	149,516				190,153
<b>Total Eligibles - Number after adjustment for nutritional risk (infants and children)<sup>c</sup></b>	39,418	38,261	34,509	37,582	37,669	148,020				187,439
Starting point for estimates of women is fully eligible infants							39,418	39,418	39,418	118,255
Number after adjustment for length of pregnancy and income of woman during pregnancy <sup>d</sup>							20,990			20,990
Number after adjustment for multiple births and infant deaths <sup>e</sup>							20,908	39,265	39,265	99,438
Number after adjustment for breastfeeding <sup>f</sup>								12,710	12,017	24,727
<b>Total Eligibles - Number after adjustment for nutritional risk (pregnant and postpartum women)<sup>g</sup></b>							20,281	12,710	12,017	45,008
<b>Other Island Territories</b>	<b>Infants</b>	<b>Children Age 1</b>	<b>Children Age 2</b>	<b>Children Age 3</b>	<b>Children Age 4</b>	<b>Total Children Ages 1-4</b>	<b>Pregnant Women</b>	<b>Postpartum Breastfeeding Women</b>	<b>Postpartum Non-Breastfeeding Women</b>	<b>Total</b>
Number after the other islands full-eligibility factor <sup>g</sup>	4,242	4,191	4,172	4,149	4,112	16,624				20,866
Number after monthly income adjustment <sup>b</sup>	4,921	4,191	4,172	4,149	4,112	16,624				21,545
<b>Total Eligibles - Number after adjustment for nutritional risk (infants and children)<sup>c</sup></b>	4,773	4,149	4,130	4,108	4,071	16,458				21,231
Starting point for estimates of women is fully eligible infants							4,773	4,773	4,773	14,319
Number after adjustment for length of pregnancy and income of woman during pregnancy <sup>e</sup>							2,542			2,542
Number after adjustment for multiple births and infant deaths <sup>e</sup>							2,532	4,755	4,755	12,041
Number after adjustment for breastfeeding <sup>f</sup>								1,539	1,455	2,994
<b>Total Eligibles - Number after adjustment for nutritional risk (pregnant and postpartum women)<sup>g</sup></b>							2,456	1,539	1,455	5,450

Source: Census Bureau International Data Base

Notes for Table B.8-2011:

FPG = Federal poverty guidelines

<sup>a</sup> There is a hierarchy imposed on the number of infants and children adjunctively eligible for WIC. Any mention of SNAP receipt is coded as SNAP; if no mention of SNAP, but report TANF, coded as TANF. If no mention of SNAP or TANF, coded as Medicaid.

<sup>b</sup> The SIPP-based multipliers used to adjust for monthly versus annual income and to account for certification periods are:

Infants:	1.16
Children:	1.00

<sup>c</sup> The adjustment factors for nutritional risk by participant group are:

Infants	0.97
Children	0.99
Pregnant women	0.97
Postpartum breastfeeding women	1.00
Postpartum nonbreastfeeding women	1.00

<sup>d</sup> The multiplier used to adjust for the length of pregnancy and a woman's income during pregnancy is:

Pregnancy length and income	0.533
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<sup>e</sup> The multiplier used to adjust for multiple births and infants deaths is:

Multiple births and infants death	0.9961
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<sup>f</sup> The multipliers used to adjust for breastfeeding status are:

Less than 12 months who breastfeed	0.324
Less than 6 months who do not breastfeed	0.306

<sup>g</sup> The full-eligibles to population factor for the Other Island Territories in CY2011 is:

Infants	0.671
Children	0.666

**Table B.9-2011: Region Estimates of the Average Monthly Number of Infants and Children Eligible for WIC by Income and Adjunctive Eligibility in the 2012 CPS-ASEC by Demographic Characteristics - CY 2011**

Fully adjusted weights<sup>a</sup>

Region	Northeast			Mid-Atlantic			Southeast			Midwest		
	WIC Eligible Infants	WIC Eligible Children Age 1-4	WIC Eligible Infants and Children	WIC Eligible Infants	WIC Eligible Children Age 1-4	WIC Eligible Infants and Children	WIC Eligible Infants	WIC Eligible Children Age 1-4	WIC Eligible Infants and Children	WIC Eligible Infants	WIC Eligible Children Age 1-4	WIC Eligible Infants and Children
<b>Demographic Characteristics</b>												
Total	217,024	784,374	1,001,398	257,919	854,849	1,112,768	516,165	1,805,170	2,321,335	389,479	1,389,123	1,778,602
Gender												
Male	54.8%	51.4%	52.1%	42.9%	52.5%	50.3%	51.3%	49.3%	49.7%	50.6%	51.2%	51.1%
Female	45.2%	48.6%	47.9%	57.1%	47.5%	49.7%	48.7%	50.7%	50.3%	49.4%	48.8%	48.9%
Race												
White	67.7%	66.7%	67.0%	59.7%	60.8%	60.5%	59.5%	55.1%	56.1%	65.1%	66.3%	66.1%
Black	20.6%	16.4%	17.3%	28.3%	29.3%	29.1%	32.8%	34.6%	34.2%	24.5%	22.6%	23.0%
Other	11.7%	16.9%	15.8%	12.0%	9.9%	10.4%	7.7%	10.4%	9.8%	10.4%	11.1%	10.9%
Ethnicity												
Hispanic	28.9%	35.7%	34.3%	24.4%	22.4%	22.9%	18.9%	18.8%	18.8%	22.6%	21.0%	21.3%
Non-Hispanic	71.1%	64.3%	65.7%	75.6%	77.6%	77.1%	81.1%	81.2%	81.2%	77.4%	79.0%	78.7%
Living arrangement												
2 parent family	61.1%	57.8%	58.5%	49.7%	53.9%	52.9%	55.6%	51.2%	52.2%	57.5%	48.2%	50.2%
Single parent family	38.3%	39.1%	38.9%	44.5%	40.5%	41.4%	40.9%	43.3%	42.7%	35.8%	47.8%	45.2%
No parent family	0.6%	3.1%	2.6%	5.7%	5.6%	5.7%	3.5%	5.6%	5.1%	6.7%	4.0%	4.6%
Related non-parent caretaker	0.6%	2.6%	2.1%	3.5%	4.2%	4.1%	1.9%	4.6%	4.0%	2.7%	2.7%	2.7%
Unrelated non-parent caretaker	0.0%	0.5%	0.4%	2.2%	1.4%	1.6%	1.6%	0.9%	1.1%	4.0%	1.3%	1.9%
Household size (number of persons)												
2	6.2%	2.5%	3.3%	6.8%	4.2%	4.8%	7.4%	6.1%	6.4%	7.8%	9.0%	8.7%
3	31.0%	22.2%	24.1%	28.3%	21.5%	23.1%	18.7%	22.4%	21.6%	26.2%	22.0%	22.9%
4	23.4%	35.1%	32.6%	21.6%	29.0%	27.3%	36.3%	31.3%	32.4%	28.6%	24.1%	25.1%
5	11.1%	19.4%	17.6%	21.7%	20.1%	20.5%	22.1%	22.0%	22.0%	19.8%	24.0%	23.1%
6 or more	28.3%	20.7%	22.4%	21.7%	25.2%	24.4%	15.4%	18.2%	17.6%	17.7%	20.9%	20.2%
% with working parent(s)	43.4%	31.6%	34.1%	46.4%	29.5%	33.4%	41.5%	33.8%	35.5%	35.6%	32.1%	32.9%
Annual family income relative to poverty <sup>b</sup>												
Less than 50% FPL	22.6%	20.1%	20.6%	28.8%	26.8%	27.2%	27.4%	22.6%	23.7%	27.3%	27.3%	27.3%
50% to <100% FPL	19.8%	22.7%	22.1%	26.0%	20.6%	21.8%	27.8%	22.7%	23.8%	20.7%	21.1%	21.0%
100% to <130% FPL	11.0%	12.6%	12.3%	12.6%	14.9%	14.4%	11.9%	14.1%	13.6%	12.8%	11.2%	11.6%
130% to <185% FPL <sup>d</sup>	15.5%	23.1%	21.5%	15.5%	17.6%	17.1%	19.8%	20.5%	20.3%	22.6%	21.8%	22.0%
185% to <200% FPL	3.8%	2.9%	3.1%	3.5%	2.2%	2.5%	0.7%	4.0%	3.3%	2.5%	2.7%	2.7%
200% to <250% FPL	12.8%	5.1%	6.7%	2.6%	6.4%	5.5%	5.2%	7.3%	6.9%	5.2%	5.9%	5.8%
250% FPL and above	14.6%	13.5%	13.7%	11.2%	11.7%	11.6%	7.1%	8.8%	8.4%	8.9%	9.9%	9.7%
Benefit receipt												
No benefit receipt	11.9%	16.9%	15.8%	15.1%	24.3%	22.2%	20.0%	20.1%	20.1%	18.1%	13.8%	14.7%
SNAP & TANF & Medicaid	2.3%	10.2%	8.5%	13.1%	7.7%	9.0%	4.2%	3.5%	3.6%	8.8%	7.0%	7.4%
SNAP & TANF	0.0%	0.0%	0.0%	0.0%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%	0.4%	0.3%
SNAP & Medicaid	39.4%	33.3%	34.6%	27.6%	25.8%	26.2%	42.7%	36.2%	37.6%	34.4%	41.0%	39.5%
TANF & Medicaid	1.5%	0.5%	0.7%	1.7%	0.7%	0.9%	2.9%	1.5%	1.8%	0.7%	0.3%	0.4%
SNAP only	5.7%	3.6%	4.0%	1.3%	5.7%	4.7%	5.1%	5.6%	5.5%	3.8%	5.2%	4.9%
TANF only	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Medicaid only	39.1%	35.5%	36.3%	41.2%	35.6%	36.9%	25.0%	33.2%	31.4%	34.2%	32.3%	32.7%

Source: 2012 CPS-ASEC, 2010 ACS

**Table B.9-2011: Region Estimates of the Average Monthly Number of Infants and Children Eligible for WIC by Income and Adjunctive Eligibility in the 2012 CPS-ASEC by Demographic Characteristics - CY 2011**

Fully adjusted weights<sup>a</sup>

Region	Southwest			Mountain Plains			Western			Total		
	WIC Eligible Infants	WIC Eligible Children Age 1-4	WIC Eligible Infants and Children	WIC Eligible Infants	WIC Eligible Children Age 1-4	WIC Eligible Infants and Children	WIC Eligible Infants	WIC Eligible Children Age 1-4	WIC Eligible Infants and Children	WIC Eligible Infants	WIC Eligible Children Age 1-4	WIC Eligible Infants and Children
<b>Demographic Characteristics</b>												
Total	438,257	1,398,899	1,837,157	198,964	660,744	859,709	496,933	1,917,601	2,414,534	2,514,741	8,810,762	11,325,503
Gender												
Male	55.1%	55.8%	55.7%	54.3%	51.4%	52.1%	52.7%	51.9%	52.1%	51.8%	51.9%	51.8%
Female	44.9%	44.2%	44.3%	45.7%	48.6%	47.9%	47.3%	48.1%	47.9%	48.2%	48.1%	48.2%
Race												
White	68.9%	70.6%	70.2%	75.7%	72.2%	73.0%	74.2%	75.0%	74.8%	66.9%	66.5%	66.6%
Black	19.7%	16.1%	17.0%	7.4%	10.6%	9.8%	4.7%	7.4%	6.9%	20.1%	19.9%	20.0%
Other	11.4%	13.3%	12.8%	17.0%	17.3%	17.2%	21.2%	17.5%	18.3%	12.9%	13.6%	13.4%
Ethnicity												
Hispanic	50.1%	51.7%	51.3%	22.2%	20.7%	21.0%	57.7%	58.1%	58.0%	34.3%	34.9%	34.8%
Non-Hispanic	49.9%	48.3%	48.7%	77.8%	79.3%	79.0%	42.3%	41.9%	42.0%	65.7%	65.1%	65.2%
Living arrangement												
2 parent family	60.2%	57.8%	58.4%	70.0%	55.5%	58.8%	69.5%	64.4%	65.4%	60.5%	55.8%	56.8%
Single parent family	32.1%	36.1%	35.1%	27.5%	40.6%	37.6%	28.3%	31.7%	31.0%	35.2%	39.5%	38.5%
No parent family	7.6%	6.2%	6.5%	2.5%	4.0%	3.6%	2.2%	3.9%	3.5%	4.4%	4.7%	4.6%
Related non-parent caretaker	6.2%	5.2%	5.4%	1.0%	2.3%	2.0%	1.1%	2.6%	2.3%	2.6%	3.6%	3.3%
Unrelated non-parent caretaker	1.5%	1.0%	1.1%	1.4%	1.6%	1.6%	1.1%	1.3%	1.3%	1.8%	1.2%	1.3%
Household size (number of persons)												
2	1.7%	6.0%	5.0%	4.9%	7.6%	7.0%	0.0%	2.9%	2.3%	4.6%	5.5%	5.3%
3	23.6%	16.8%	18.4%	19.6%	19.8%	19.8%	17.1%	16.6%	16.7%	22.5%	19.9%	20.5%
4	29.4%	31.7%	31.1%	36.1%	29.0%	30.7%	28.0%	26.0%	26.4%	26.4%	29.0%	29.2%
5	20.9%	20.7%	20.8%	22.3%	21.5%	21.7%	22.0%	21.6%	21.7%	20.5%	21.6%	21.3%
6 or more	24.5%	24.8%	24.7%	17.1%	22.1%	20.9%	32.8%	32.8%	32.8%	22.7%	24.0%	23.7%
% with working parent(s)	29.7%	25.8%	26.7%	31.2%	25.6%	26.9%	32.0%	29.1%	29.7%	36.5%	30.0%	31.4%
Annual family income relative to poverty <sup>b</sup>												
Less than 50% FPL	24.4%	22.8%	23.2%	22.5%	19.4%	20.1%	20.7%	21.6%	21.4%	24.9%	23.1%	23.5%
50% to <100% FPL	18.4%	25.0%	23.4%	24.8%	23.1%	23.5%	21.1%	25.9%	24.9%	22.6%	23.3%	23.2%
100% to <130% FPL	11.8%	13.8%	13.3%	12.8%	15.2%	14.6%	21.3%	14.6%	16.0%	13.9%	13.8%	13.8%
130% to <185% FPL <sup>d</sup>	23.7%	21.5%	22.1%	18.6%	23.7%	22.5%	21.4%	18.7%	19.2%	20.3%	20.7%	20.6%
185% to <200% FPL	3.2%	2.9%	3.0%	2.9%	3.9%	3.6%	1.7%	3.0%	2.7%	2.4%	3.1%	2.9%
200% to <250% FPL	9.5%	5.2%	6.3%	8.0%	5.7%	6.3%	5.3%	6.7%	6.4%	6.6%	6.2%	6.3%
250% FPL and above	8.8%	8.8%	8.8%	10.4%	9.0%	9.3%	8.5%	9.6%	9.3%	9.3%	9.8%	9.7%
Benefit receipt												
No benefit receipt	18.1%	20.0%	19.5%	34.2%	24.6%	26.8%	24.4%	20.0%	20.9%	20.2%	19.5%	19.7%
SNAP & TANF & Medicaid	2.1%	2.3%	2.3%	4.2%	4.6%	4.5%	8.4%	10.5%	10.0%	6.1%	6.5%	6.4%
SNAP & TANF	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%
SNAP & Medicaid	31.6%	39.0%	37.3%	25.4%	29.2%	28.3%	26.0%	28.0%	27.6%	33.0%	33.8%	33.6%
TANF & Medicaid	2.3%	0.6%	1.0%	0.0%	1.5%	1.1%	1.6%	1.9%	1.9%	1.7%	1.1%	1.2%
SNAP only	7.9%	4.5%	5.3%	4.4%	8.3%	7.4%	8.0%	4.5%	5.2%	5.6%	5.1%	5.2%
TANF only	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Medicaid only	37.9%	33.6%	34.6%	31.7%	31.9%	31.9%	31.6%	35.2%	34.4%	33.4%	33.9%	33.8%

Source: 2012 CPS-ASEC, 2010 ACS

Notes for Table B.9:

FPG - Federal Poverty Guidelines

FPL - Federal Poverty Level

<sup>a</sup> These estimates are tabulated from the fully adjusted person weights on the 2012 CPS-ASEC. They are adjusted to account for the under or over count of infants and children in the CPS relative to Census estimates, monthly income, or nutritional risk.

<sup>b</sup> This table uses both the Federal Poverty Guidelines (FPG) and the Federal Poverty Thresholds or "Levels" (FPL). The thresholds are used to calculate the ratio of annual family income to the poverty "Levels" (FPL). The thresholds are used to calculate the ratio of annual family income to the poverty threshold for their family size. The guidelines are used in determining WIC eligibility.

<sup>c</sup> There are infants and children adjunctively eligible for WIC with annual family incomes above 185 percent of the Federal Poverty Guidelines (FPG) who have annual family incomes below 185% of the Federal Poverty Level (FPL).

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## **Appendix C**

### **Coverage Rate Maps**

The maps in this appendix display WIC coverage rates at the State and regional levels. A coverage rate is defined here as the number of individuals participating in the WIC program divided by the number estimated to be eligible. For 2011, rates are shown at the regional level for all participants and for each of four subgroups—infants, children, pregnant women, and postpartum women. Coverage rates are also shown at the State level for 2011 for all participants combined. The maps are listed individually below.

#### FNS Region Level Coverage Rate

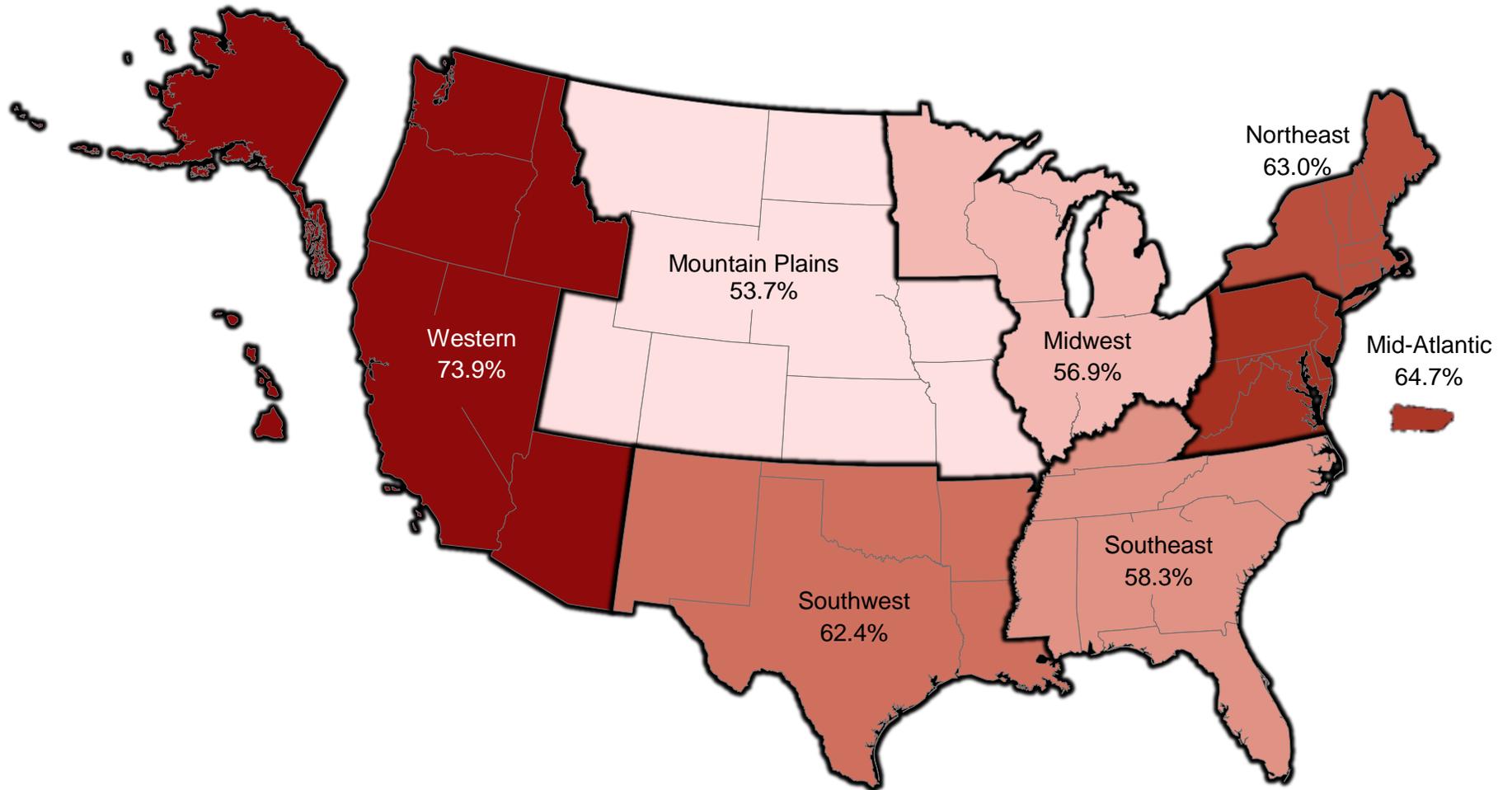
- C.1 – All Groups
- C.2 – Infants
- C.3 – Children
- C.4 – Pregnant Women
- C.5 – Postpartum Women

#### State Level Coverage Rate, All Groups

- C.6 – 2011

**Figure C-1. WIC Coverage Rate for All Participants by FNS Region, CY 2011**

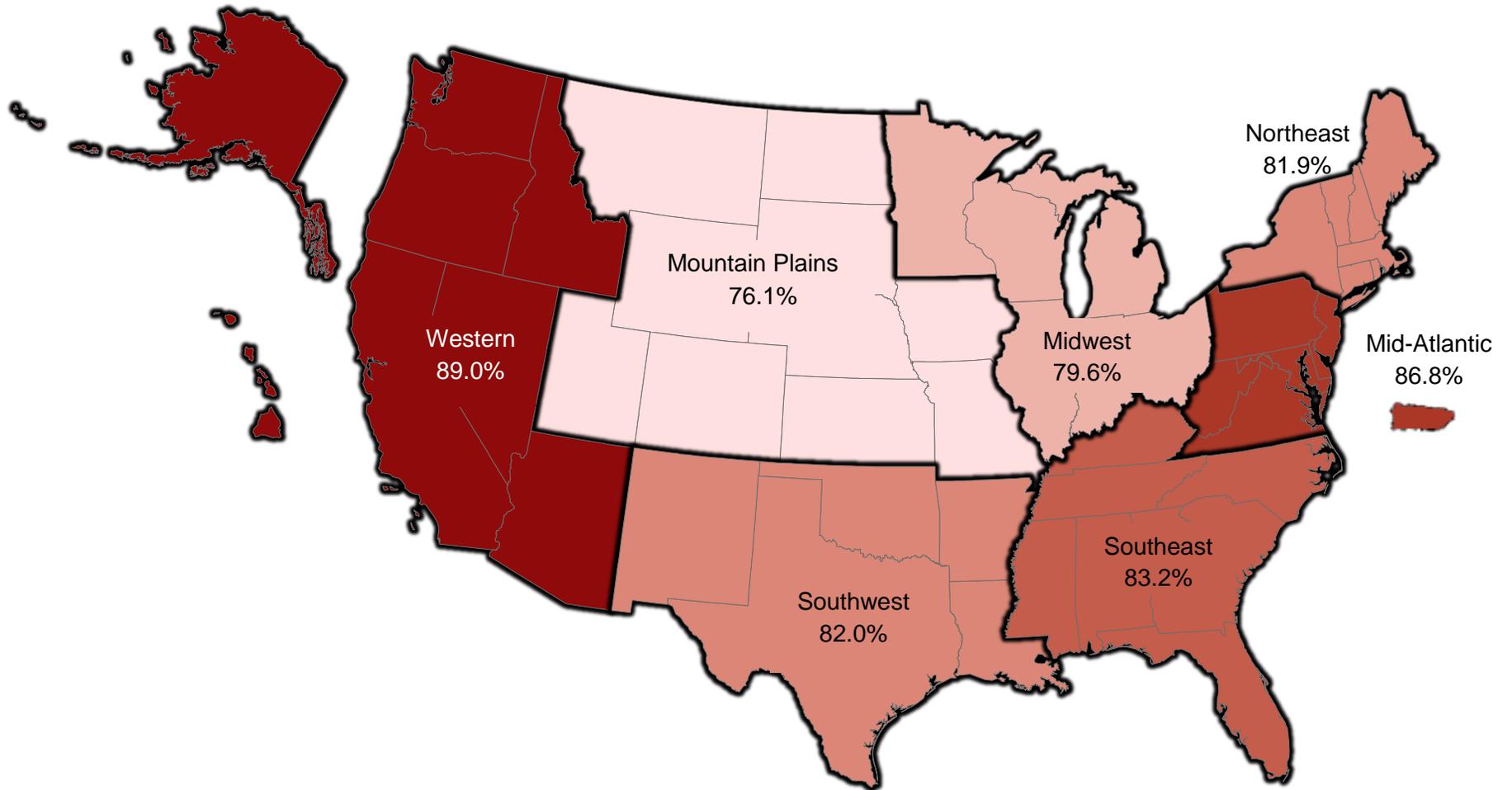
**National Coverage Rate: 62.7%**



Source: 2012 CPS-ASEC, 2011 ACS, 2011 PRCS, WIC Administrative Data

**Figure C-2. WIC Coverage Rate for Infants by FNS Region, CY 2011**

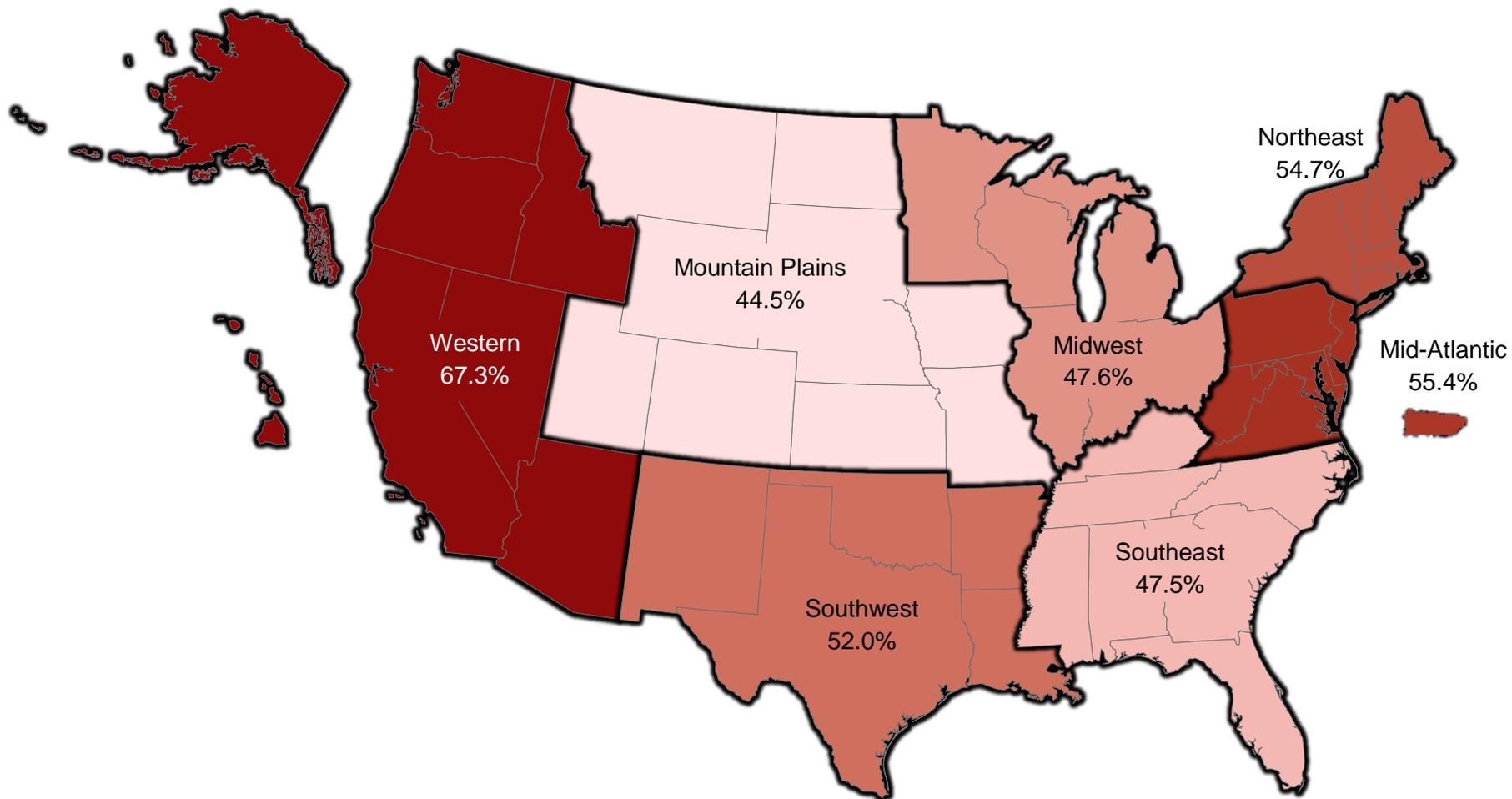
**National Coverage Rate: 83.4%**



Source: 2012 CPS-ASEC, 2011 ACS, 2011 PRCS, WIC Administrative Data

**Figure C-3. WIC Coverage Rate for Children (Ages 1-4) by FNS Region, CY 2011**

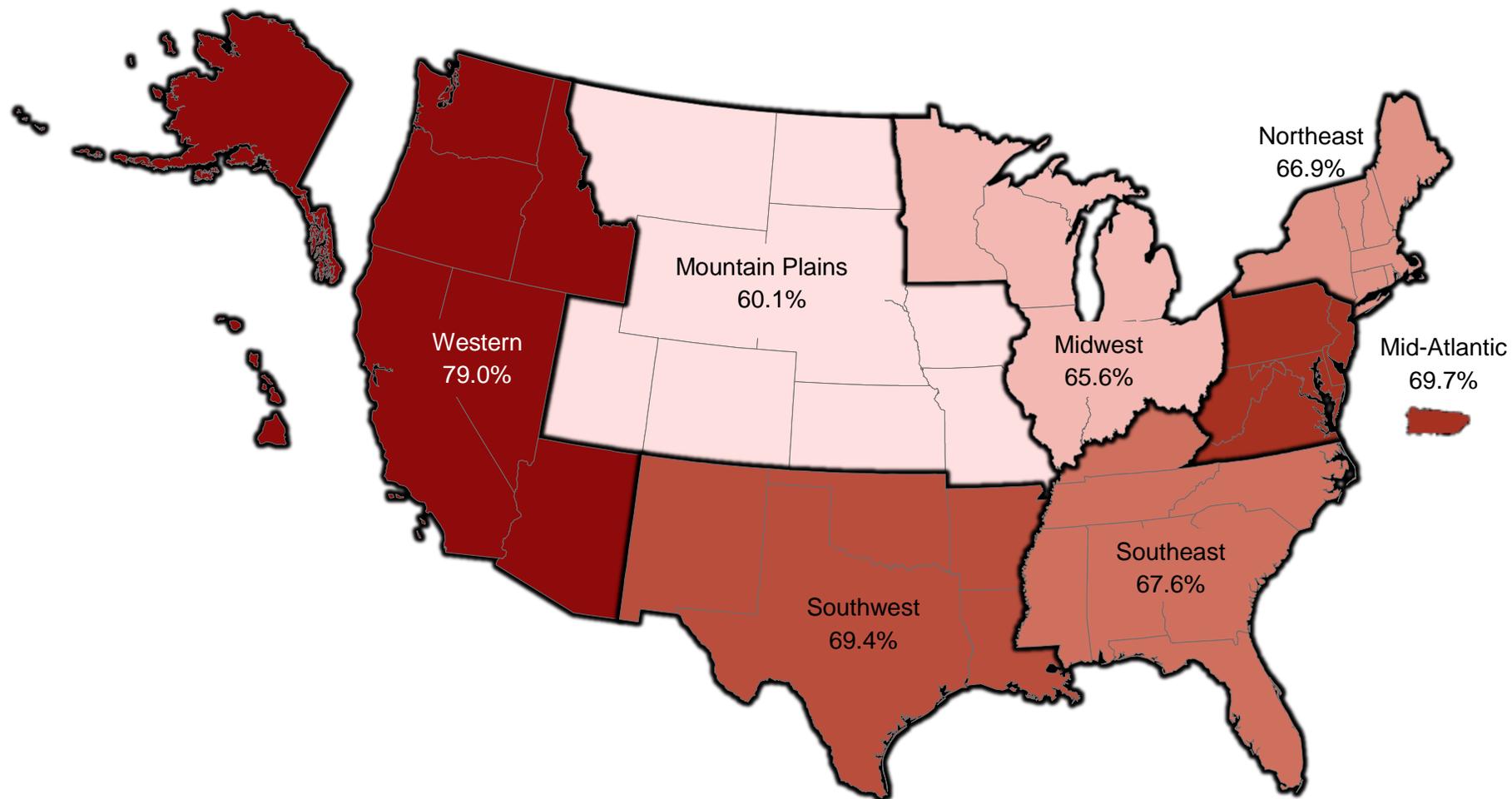
**National Coverage Rate: 53.6%**



Source: 2012 CPS-ASEC, 2011 ACS, 2011 PRCS, WIC Administrative Data

**Figure C-4. WIC Coverage Rate for Pregnant Women by FNS Region, CY 2011**

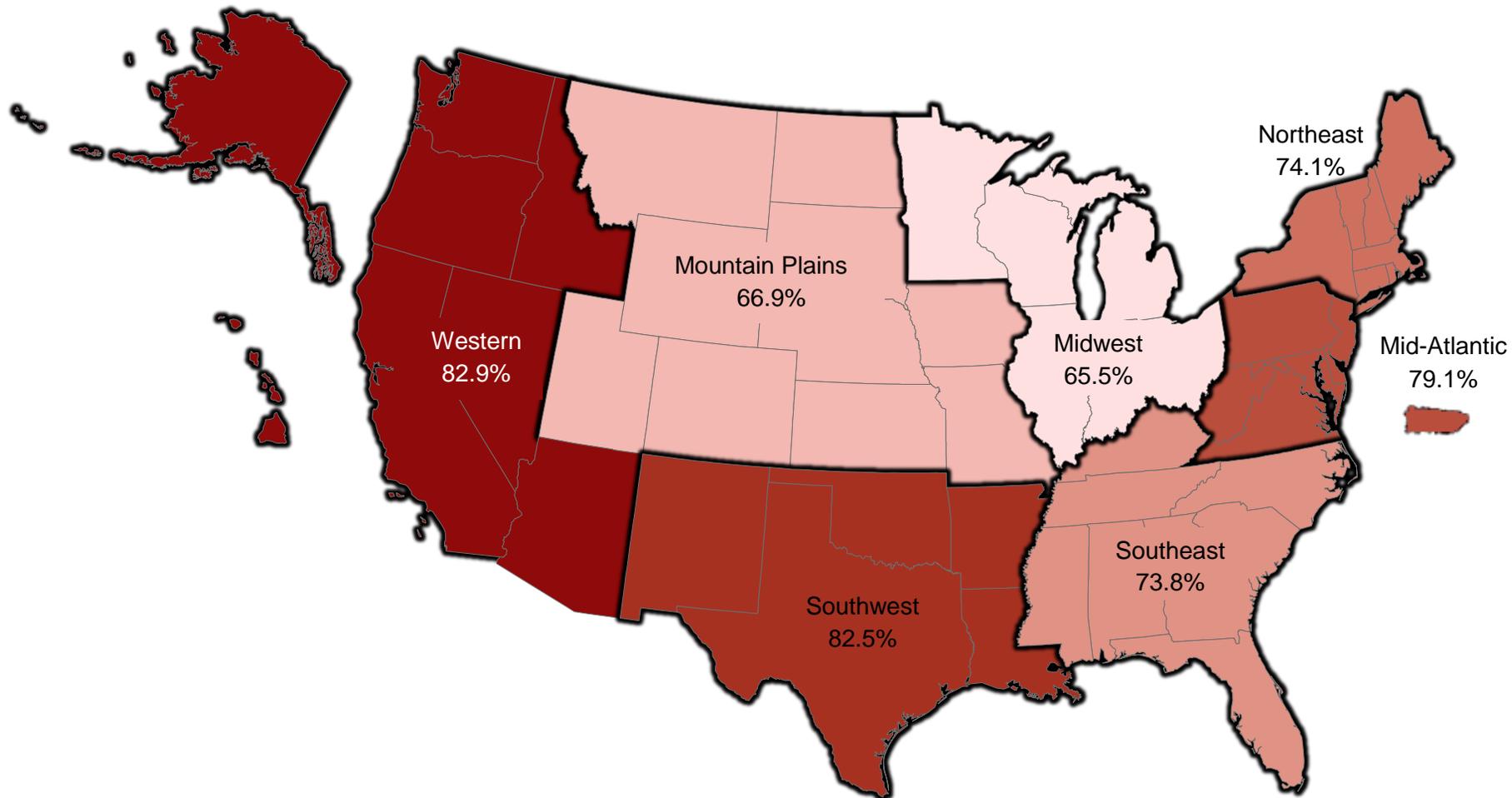
**National Coverage Rate: 69.5%**



Source: 2012 CPS-ASEC, 2011 ACS, 2011 PRCS, WIC Administrative Data

**Figure C-5. WIC Coverage Rate for All Postpartum Women by FNS Region, CY 2011**

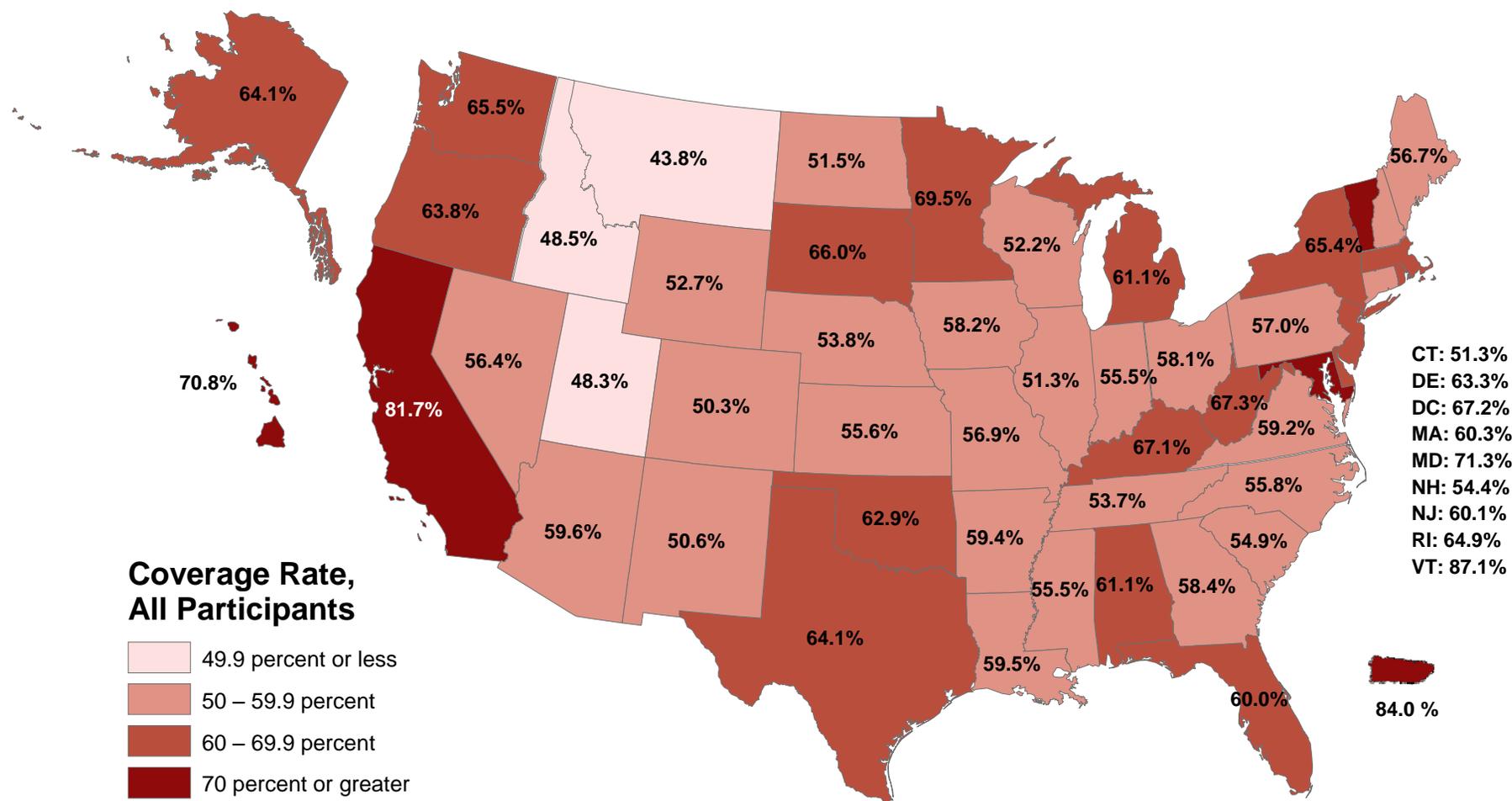
**National Coverage Rate: 76.0%**



Source: 2012 CPS-ASEC, 2011 ACS, 2011 PRCS, WIC Administrative Data

**Figure C-6. WIC Coverage Rate for All Participants by State, CY 2011**

**National Coverage Rate: 62.7%**



Source: 2012 CPS-ASEC, 2011 ACS, 2011 PRCS, WIC Administrative Data

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**Appendix D**  
**Eligibles and Coverage Rate Time Series by FNS Region: 2000-2011**

*Table D.1: Population Eligible for WIC Benefits: 2000-2011*

This table displays a time series of the population eligible for WIC benefits for the total U.S. by year.

*Table D.2: Coverage Rates by FNS Region and Participant Group: 2000-2011*

This table displays a time series of the coverage rate for each WIC participant group by FNS Region and the U.S by year.

**Table D.1: Population Eligible for WIC Benefits: 2000-2011**

<b>Participant Group</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>
Infants	2,417,133	2,494,306	2,203,108	2,501,169	2,578,635	2,596,448	2,702,049	2,651,367	2,633,819	2,673,683	2,535,074	2,516,309
Children	7,400,765	7,783,758	8,339,280	8,385,979	8,472,345	8,593,698	8,622,879	8,540,981	8,657,117	9,469,217	9,224,455	8,888,005
Pregnant Women	1,244,265	1,283,991	1,134,091	1,287,524	1,326,735	1,335,900	1,390,233	1,364,156	1,355,127	1,375,638	1,304,322	1,294,668
All Postpartum Women	1,420,038	1,473,125	1,313,853	1,479,398	1,529,028	1,539,590	1,574,645	1,522,834	1,525,315	1,556,053	1,486,265	1,578,471
<b>Total</b>	<b>12,482,201</b>	<b>13,035,181</b>	<b>12,990,331</b>	<b>13,654,070</b>	<b>13,906,742</b>	<b>14,065,636</b>	<b>14,289,805</b>	<b>14,079,339</b>	<b>14,171,378</b>	<b>15,074,591</b>	<b>14,550,116</b>	<b>14,277,453</b>

**Notes:**

For years 2000-2007, see Betson et al (2011), Appendix Table D.4.

For years 2008 and 2009, see Betson et al (2001), Appendix Table C.3.

For 2010, see Martinez-Schiferl et al. (2012), Appendix table D.1.

The decline in WIC eligibles from 2009 to 2010 is likely the result of revisions to Census population estimates that incorporate information from the 2010 Census.

See Martinez-Schiferl et al. (2012), Appendix E for further information.

**Table D.2: Coverage Rates by Region and Participant Group: 2000-2011**

<b>All Participants</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>
<b>U.S.</b>	<b>57.8%</b>	<b>56.5%</b>	<b>57.8%</b>	<b>56.3%</b>	<b>57.3%</b>	<b>57.1%</b>	<b>56.9%</b>	<b>59.5%</b>	<b>62.2%</b>	<b>60.9%</b>	<b>62.6%</b>	<b>62.7%</b>
Northeast	61.1%	58.6%	59.8%	57.3%	58.2%	60.7%	59.5%	63.0%	64.9%	63.7%	63.0%	63.0%
Mid-Atlantic	58.0%	56.6%	55.8%	57.9%	57.8%	57.8%	60.1%	61.2%	64.8%	62.6%	62.8%	64.7%
Southeast	53.5%	51.7%	53.4%	51.3%	52.2%	51.3%	51.1%	54.3%	58.9%	57.0%	58.6%	58.3%
Midwest	53.4%	53.2%	54.1%	54.6%	56.2%	55.4%	56.0%	57.6%	59.3%	57.3%	57.4%	56.9%
Southwest	58.0%	57.4%	58.9%	55.1%	56.6%	56.2%	53.9%	56.0%	59.0%	61.2%	63.9%	62.4%
Mountain Plains	50.0%	50.7%	52.2%	51.3%	53.9%	51.4%	50.0%	51.3%	54.2%	52.8%	53.6%	53.7%
Western	65.8%	63.5%	66.3%	63.4%	63.8%	64.7%	65.3%	69.5%	70.6%	68.2%	72.5%	73.9%
<b>Infants</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>
<b>U.S.</b>	<b>78.6%</b>	<b>77.2%</b>	<b>87.7%</b>	<b>78.3%</b>	<b>78.7%</b>	<b>79.1%</b>	<b>77.5%</b>	<b>82.4%</b>	<b>84.6%</b>	<b>82.9%</b>	<b>84.8%</b>	<b>83.4%</b>
Northeast	79.0%	83.1%	95.0%	83.7%	78.4%	84.4%	82.9%	88.6%	89.1%	86.3%	84.8%	81.9%
Mid-Atlantic	80.7%	77.3%	82.9%	79.6%	81.2%	79.9%	81.9%	85.5%	88.4%	83.1%	85.5%	86.8%
Southeast	80.4%	77.0%	85.6%	76.5%	76.7%	75.0%	73.2%	80.5%	85.0%	81.5%	83.6%	83.2%
Midwest	74.6%	78.0%	87.3%	82.0%	83.7%	81.6%	82.1%	84.7%	83.4%	80.8%	82.8%	79.6%
Southwest	77.7%	78.3%	88.7%	75.3%	76.6%	76.7%	73.7%	77.2%	81.3%	85.2%	87.0%	82.0%
Mountain Plains	66.0%	67.2%	76.6%	72.3%	74.0%	72.4%	68.9%	72.1%	73.0%	74.0%	76.7%	76.1%
Western	84.0%	77.1%	93.0%	79.2%	79.0%	82.9%	80.3%	86.7%	88.2%	86.1%	88.6%	89.0%
<b>Children</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>
<b>U.S.</b>	<b>48.0%</b>	<b>46.9%</b>	<b>45.1%</b>	<b>45.9%</b>	<b>47.1%</b>	<b>46.6%</b>	<b>46.2%</b>	<b>47.8%</b>	<b>51.2%</b>	<b>50.6%</b>	<b>52.4%</b>	<b>53.5%</b>
Northeast	53.6%	48.4%	46.1%	45.9%	48.6%	49.4%	47.8%	49.9%	53.1%	52.5%	52.8%	54.7%
Mid-Atlantic	48.3%	47.8%	44.8%	48.2%	47.9%	48.0%	49.6%	49.5%	53.5%	53.2%	53.3%	55.4%
Southeast	40.4%	39.6%	39.5%	39.4%	40.5%	39.5%	39.6%	41.2%	46.2%	45.8%	47.5%	47.5%
Midwest	44.3%	42.8%	41.1%	42.9%	44.2%	44.0%	43.7%	45.2%	48.5%	47.2%	47.0%	47.6%
Southwest	47.8%	46.8%	45.3%	45.0%	46.5%	46.1%	43.6%	44.8%	47.7%	49.1%	52.2%	52.0%
Mountain Plains	41.9%	42.5%	41.0%	41.3%	44.0%	41.5%	40.5%	41.2%	44.8%	43.5%	43.7%	44.5%
Western	56.9%	56.8%	54.3%	55.5%	55.9%	55.3%	56.5%	59.3%	60.9%	59.3%	64.4%	67.3%

**Table D.2: Coverage Rates by Region and Participant Group: 2000-2011**

<b>Pregnant Women</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>
<b>U.S.</b>	<b>67.6%</b>	<b>64.0%</b>	<b>72.6%</b>	<b>65.6%</b>	<b>65.5%</b>	<b>65.4%</b>	<b>64.6%</b>	<b>66.7%</b>	<b>68.4%</b>	<b>68.6%</b>	<b>70.8%</b>	<b>69.5%</b>
Northeast	83.2%	79.9%	76.0%	67.9%	63.9%	69.8%	69.5%	72.3%	71.7%	71.1%	70.0%	66.9%
Mid-Atlantic	64.6%	60.4%	66.3%	64.9%	64.8%	63.6%	66.0%	67.4%	70.7%	67.9%	69.2%	69.7%
Southeast	67.7%	61.4%	68.7%	63.1%	62.8%	60.7%	59.5%	62.3%	66.0%	64.7%	68.8%	67.6%
Midwest	57.2%	59.1%	68.5%	65.6%	65.7%	64.8%	66.0%	66.5%	65.9%	67.1%	68.5%	65.6%
Southwest	65.7%	64.9%	74.7%	63.9%	65.0%	64.2%	62.0%	63.1%	67.6%	71.8%	73.2%	69.4%
Mountain Plains	56.0%	57.1%	66.3%	62.3%	62.7%	60.5%	54.5%	55.2%	55.8%	58.4%	58.7%	60.1%
Western	75.9%	67.2%	82.7%	70.0%	70.4%	72.6%	71.7%	75.7%	75.5%	74.2%	78.4%	79.0%
<b>All Post-Partum Women</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>
<b>U.S.</b>	<b>64.7%</b>	<b>65.6%</b>	<b>75.7%</b>	<b>69.6%</b>	<b>70.3%</b>	<b>71.5%</b>	<b>72.8%</b>	<b>78.8%</b>	<b>81.0%</b>	<b>79.4%</b>	<b>80.6%</b>	<b>76.0%</b>
Northeast	49.7%	56.9%	77.6%	71.7%	71.0%	78.0%	78.8%	87.6%	84.6%	88.6%	82.1%	74.1%
Mid-Atlantic	68.2%	68.1%	72.3%	71.7%	70.8%	71.6%	77.2%	83.6%	87.6%	80.6%	78.6%	79.1%
Southeast	63.2%	65.1%	73.1%	67.9%	67.8%	68.8%	66.9%	74.7%	81.1%	77.4%	76.6%	73.8%
Midwest	58.5%	60.8%	68.8%	66.5%	68.4%	65.7%	71.6%	72.2%	70.9%	69.5%	70.2%	65.5%
Southwest	68.1%	68.9%	78.4%	68.1%	70.4%	69.9%	69.0%	74.6%	77.7%	85.0%	87.7%	82.5%
Mountain Plains	58.6%	59.0%	67.0%	63.5%	65.8%	62.5%	64.8%	67.6%	71.9%	65.2%	71.4%	66.9%
Western	74.9%	71.3%	85.0%	74.2%	74.6%	79.7%	80.3%	89.3%	89.0%	85.6%	90.0%	82.9%

**Notes:**

For years 2000-2007, see Betson et al (2011), Appendix Table D.2

For years 2008 and 2009, see Betson et al (2011), Volume I, Tables 18 and 19

For 2010, see Martinez-Schiferl et al. (2012), Appendix table D.1.

The decline in WIC eligibles from 2009 to 2010 is likely the result of revisions to Census population estimates that incorporate information from the 2010 Census. See Martinez-Schiferl et al. (2012), Appendix E for further information.

## **Appendix E**

### **Update to the Annual-to-Monthly Adjustment Factors**

The appendix describes the development of the updated annual-to-monthly adjustment factors used in the 2011 WIC eligibility estimates—1.16 for infants and 1.0 for children.<sup>1</sup> We also present an alternate factor for children ages 1 to 4 under the assumption of 12-month instead of 6-month certification. That factor is not used in this analysis, but it does suggest the extent to which 12-month certification could affect WIC eligibility.

#### **Background**

As discussed in Volume 1, the annual-to-monthly adjustment factor is one of several adjustments used to estimate the number of WIC-eligible infants and young children, following procedures outlined in 2003 by the National Research Council (2003). This factor accounts for the fact that the initial WIC eligibility estimates for infants and young children are based on an annual accounting period (the Current Population Survey's Annual Social and Economic Supplement, or CPS-ASEC, asks about annual income and whether the family ever participated in various programs during the year) with no modeling of intra-year income or benefit fluctuations or periods during which an enrolled infant or child remains eligible regardless of income changes. In reality, families' incomes may fluctuate during the year; a family with income above 185 percent of the poverty guideline on an annual basis may have had income below that level for part of the year. Furthermore, people remain enrolled during their certification period (12 months for infants in all States, and 6 months for children ages 1 through 4 throughout 2011 in almost all States) even if their circumstances change. As a result, some infants and children not identified as eligible based on annual income and program participation might in fact be eligible if their families applied for benefits in certain months of the year; or they might still be eligible in the early part of a year due to low income at the end of the prior calendar year. Conversely, some individuals identified as eligible because they were enrolled in TANF, SNAP, or Medicaid at some point during the year might not have been eligible for the entire year, if the family only began participating in those programs mid-way through the year.

The annual-to-monthly adjustment factor has been derived from analysis of data from the Survey of Income and Program Participation (SIPP) and updated periodically. Separate adjustments are estimated for infants and children to reflect their different certification periods and variations in family income patterns that often occur during the year a baby is born. The factors are calculated using two different SIPP-based WIC eligibility estimates:

- First, an estimate that mimics the type of estimates that can be computed from the CPS-ASEC data, with family income and program participation status viewed on a calendar-year basis, and with age taken from the March following the calendar year and treated

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<sup>1</sup> For more discussion of the annual-to-monthly adjustment factor and changes in the factor over time, see Appendix G in Volume II of Betson et al. (2011).

as constant during the calendar year.<sup>2</sup> An infant or child identified as eligible using this procedure is counted as eligible for the entire year.

- Second, an estimate that takes advantage of the monthly detail available in SIPP, assessing each month's eligibility based on age, family income, and program participation in that month, and then considering an infant or child eligible for the duration of the certification period. If the end of a certification period occurs during the calendar year, eligibility is re-assessed to see if eligibility will continue. Because an 11-month-old in January could be eligible based on initial enrollment at birth in February of the prior calendar year, creating this eligibility estimate for a particular calendar year requires SIPP data from February of the prior calendar year.

The use of monthly income data (in the second estimate) typically has found more infants and children ever-eligible during the calendar year than the use of annual income data (in the first estimate). All those with annual income below 185 percent of the poverty guidelines will have monthly income below that level in at least one month, while some of those with annual income above 185 percent of poverty will nevertheless have monthly income below that cutoff. Also, the modeling of certification periods can increase the eligibility estimates by capturing the fact that an infant or child could be eligible in the year of interest even if his/her family does not currently appear eligible, due to low income or program participation in the prior year. (The eligibility concept treats someone as eligible if they *could* have received benefits in a particular month based on lower income in a prior month.)

Other aspects of the second approach can decrease the eligibility estimates. For example, a child in a family with annual income just below 185 percent of the guidelines is considered eligible for 12 months in the first estimate, but if the family's income only fell below that level mid-way through the year, the second estimate will count this child as eligible for only 6 months. Also, the more detailed modeling of adjunctive modeling may reduce the eligibility estimate. For example, a child in a family that is never income-eligible for WIC but that started receiving Medicaid at the end of the calendar year would be counted as eligible the entire year by the first estimate, but would be counted as adjunctively eligible for only part of the year in the second estimate.

The ratio of the estimate including monthly detail and modeling certification periods to the estimate that uses only annual data produces the adjustment factors.<sup>3</sup> The National

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<sup>2</sup> If a child's family does not have data for that March, the child's age is taken from the latest month for which the child's family has data. To mimic the CPS-based procedures, age is treated as constant during the calendar year. For example, using SIPP data to estimate 2010 eligibility, a March 2011 infant who appears eligible based on the family's 2010 data is counted as eligible during all of 2010, even though the infant was born in March 2010 at the earliest. Conversely, a March 2011 one-year-old who is found eligible is counted as an eligible child, not an eligible infant, even though she was an infant for at least part of 2010.

<sup>3</sup> The ratio has been computed using the estimated *percentages* of infants and children found eligible by the two methods, rather than using the weighted *numbers* of eligible infants and children, due to differences between the weighted counts of total infants and young children using the annual versus average monthly approaches.

Research Council recommended using an average of the adjustment factors over time to account for the effect of sampling variability.

### Past Estimates and Changes over Time

As mentioned above, creating this eligibility estimate for a particular calendar year requires SIPP data from February of the prior calendar year. Thus, within any SIPP panel, the factor can only be computed for years following the first year of data collection. Prior to this update, these adjustment factors had been estimated for 1997 and 1998 (using the 1996 SIPP panel), 2002 (2001 SIPP panel), and 2005 and 2006 (2004 SIPP panel).

**Table E.1: Adjustment Factors for the Impact of Fluctuations in Monthly Income and Certification Periods: SIPP-based eligibility estimates using annual vs. monthly approach, and resulting factors**

	1997	1998	2002	2005	2006	Average (1997-2006)	Average <sup>1</sup> (2002-2006)
<b>Infants</b>							
Annual (% eligible)	44.01	45.77	47.83	52.72	49.16		
Monthly (% eligible)	58.85	56.99	60.61	58.87	56.7		
Factor	1.34	1.25	1.27	1.12	1.15	1.22	1.18
<b>Children</b>							
Annual (% eligible)	48.26	45.45	52.38	55.71	54.23		
Monthly (% eligible)	54.44	51.64	54.67	55.58	54.45		
Factor	1.13	1.14	1.04	1.00	1.00	1.06	1.01

<sup>1</sup>Used for 2009 and 2010 WIC eligibility estimation.

An average of all of these factors was used for WIC eligibility estimates for years prior to 2009. Because of the downward trend in the factors, the 2009 and 2010 eligibility estimates used an average of the factors computed from only the 2002, 2005, and 2006 SIPP data.

One factor in the downward trend may be increasing participation in other safety net programs due to longer certification periods and other factors. The more infants and children who are found adjunctively eligible in the SIPP-based estimate that mimics the CPS-ASEC approach (enrolled in SNAP, TANF, or Medicaid at some point during the year), the less potential for additional eligibility to be identified due to the use of the monthly income data and the application of certification periods. The downward trend might also be due in part changes in family income patterns, and differences due to the SIPP survey (such as the sample design and weighting).

### Updated Factors for 2011 Estimates

The 2008 Panel of the SIPP presented an opportunity to update the annual-to-monthly factors. The 2008 Panel includes data for monthly income and eligibility for the 12 months of

2009 and 2010; thus, there was sufficient data to compute factors for 2010. We also recomputed the 2006 factors using a more recent version of the 2004 SIPP panel data, which incorporated some corrections by the Census Bureau (Census Bureau, 2010).

The annual-to-monthly adjustment factors computed for 2010 are summarized in Table 2 and compared to the (updated) 2006 factors. The 2010 SIPP data suggests that the monthly detail increases the infant eligibility estimate by 17 percent, slightly lower than the 19 percent suggested by the 2006 updated data, and continuing the downward trend. Both the 2006 and 2010 SIPP data show that using the full monthly data vs. an annual approach has no net impact on the children’s eligibility estimate. However, all of the SIPP-based eligibility rates—both average monthly and annual—are higher in 2010 than 2006, reflecting lower incomes due to the weaker economy and higher program participation.

**Table E.2: Comparison of 2010 and 2006 Annual-to-Monthly Adjustment Factors**

	2006 Updated Estimates			2010 Estimates		
	Average Monthly	Annual	Factor	Average Monthly	Annual	Factor
Infants	56.42	47.28	1.19	61.32	52.5	1.17
Children	54.29	54.05	1.00	59.7	59.89	1.00

For the 2011 WIC eligibility estimates, the decision was reached jointly with FNS to use only the three most recent sets of factors – computed from SIPP data for 2005, 2006, and 2010—and to use the updated 2006 factors computed from the re-released SIPP data for that years. For infants, the average of the three factors is 1.16, slightly lower than the 1.18 used for the 2009 and 2010 estimates (Table 3). For children, all three factors are 1.00, slightly lower than the 1.01 average factor used for the 2009 and 2010 estimates.

**Table E.3: Adjustment Factors for the Impact of Fluctuations in Monthly Income and Certification Periods Used for 2011 Estimates**

	2005	2006	2010	Average (2005-2010)	Prior Average (2002 – 2006)
<b>Infants</b>					
Factor	1.12	1.19	1.17	1.16	1.18
<b>Children</b>					
Factor	1.00	1.00	1.00	1.00	1.01

## **Potential Change in Children's Factor due to 12-Month Certification**

The Healthy, Hunger-Free Kids Act of 2010 (HHFKA, PL 111-296) offers States the option of extending WIC certification for children ages 1 through 4 to 12 months from the current 6 months. The law was passed in December 2010; however, States were required to submit State plans prior to changing to 12-month certification. Only a few States began the process to implement 12-month certification during 2011. (Also, even if a State began implementation during 2011, the change would not affect already-certified cases, so it would not begin to affect the eligibility of young children until six months after implementation.) Thus, for the 2011 WIC eligibility estimates, we used the annual-to-monthly factors described above, which were computed with the assumption of 6-month certification for young children in all States.

However, to provide insights into the potential impact of 12-month certification on children's eligibility, we computed an alternate annual-to-monthly factor for children using the 2010 SIPP data, assuming that 12-month certification for children was in place in all States during 2009 and 2010. The resulting factor is 1.04, compared to the factor of 1.00 that is computed with the assumption of 6-month certification for young children in all States. Of course, the actual effect in future years will differ depending on the number of States that adopt the option (and on future changes in the economy and safety net program participation).

## **References**

U.S. Census Bureau. 2010. Survey of Income and Program Participation. SIPP Notes, SIPP 2004 Panel General Income User Note.